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Technical Specification

**Universal Mobile Telecommunications System (UMTS);
Common test environments for
User Equipment (UE) conformance testing
(3GPP TS 34.108 version 4.7.0 Release 4)**

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650 Route des Lucioles
F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00   Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C
Association à but non lucratif enregistrée à la
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Contents

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.

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

[1] 3GPP TS 34.123-1: "User Equipment (UE) conformance specification; Part 1: Protocol conformance specification".
[2] 3GPP TS 34.121: "Terminal Conformance Specification; Radio transmission and reception (FDD)".
[3] 3GPP TS 34.123-2: "User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification".
[4] 3GPP TS 34.124: "ElectroMagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment".
[5] 3GPP TS 34.122: "Terminal Conformance Specification; Radio transmission and reception (TDD)".
[6] 3GPP TS 34.109: "Terminal Logical Test Interface; Special conformance testing functions".
[8] 3GPP TS 25.214: "Physical layer procedures (FDD)".
[7] 3GPP TS 25.301 "Radio Interface Protocol Architecture".
[9] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".
[10] 3GPP TR 25.990: "Vocabulary".
[11] 3GPP TS 25.101: "UE Radio transmission and reception (FDD)".
[12] 3GPP TS 25.102: "UTRA (UE) TDD; Radio transmission and reception".
[13] 3GPP TS 25.211: "Physical Channels and mapping of Transport Channels onto Physical channels (FDD)".
[14] 3GPP TS 25.212: "Multiplexing and Channel Coding (FDD)".
[15] 3GPP TS 23.107: "Quality of Service (QoS) concept and architecture".
[16] 3GPP TS 26.110: "Codec for Circuit Switched Multimedia Telephony Service; General Description".
[17] 3GPP TS 29.007: "General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)".
[18] 3GPP TR 23.910: "Circuit Switched Data Bearer Service".
[19] Void.
[20] 3GPP TS 25.104: "UTRA (BS) FDD; Radio Transmission and Reception".
[21] 3GPP TS 25.105: "UTRA (BS) TDD; Radio Transmission and Reception".
[22] 3GPP TS 31.101: "UICC-Terminal Interface; Physical and Logical Characteristics".
[23] 3GPP TS 31.102: "Characteristics of the USIM Application".
[24] 3GPP TS 33.102: "3G Security; Security Architecture".
[25] 3GPP TS 33.103: "3G Security; Integration Guidelines".
[26] 3GPP TS 33.105: "3G Security; Cryptographic Algorithm Requirements".
[27] 3GPP TS 25.224: "Physical layer procedures (TDD)".
[28] 3GPP TS 25.221: "Physical Channels and mapping of Transport Channels onto Physical channels (TDD)".
[29] 3GPP TS 25.222: "Multiplexing and Channel Coding (TDD)".
[30] 3GPP TS 25.133: "Requirements for support of radio resource management (FDD)".
[31] 3GPP TS 51.010-1: "GSM/EDGE Radio Access Network; Digital cellular telecommunications system (Phase 2+); Mobile Station (MS) conformance specification; Part 1: Conformance specification".
[32] 3GPP TS 24.008: "Mobile radio interface layer 3 specification; Core Network Protocols; Stage 3".

3   Definitions and abbreviations

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

NAS   Non-access stratum

OBW   Occupied Bandwidth

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 multi-cell 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
1. BCCH	2. 1	3.
4. CCCH	5. 1	6.
7. DCCH	8. 4	9. 2 for RRC testing, 2 for NAS testing
10. PCCH	11. 1	12.
13. DTCH	14. n <FFS>	15. 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
16. BCH	17. 1	18.
19. FACH	20. 1	21.
22. PCH	23. 1	24.
25. DCH	26. n <FFS>	27.
28. DSCH	29. 1	30.

31. RACH	32. 2	33.
34. CPCH	35. 1	36.
37. FAUSCH	38. N/A	39. Not in Release 1999

4.2.1.1.3 Physical Channels

Physical Channel	Minimum Number	Comments
40. P-CCPCH	41. 1	42. 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.
43. P-CPICH	44. 1	45. Primary Common Pilot Channel using the Primary Scrambling Code for the Cell.
46. S-CPICH	47. 1 (For RF Tests)	48. Secondary Common Pilot Channel. This signal is used as the phase reference for some RF tests.
49. SCH	50. 1	51. Synchronisation Channel (includes P-SCH and S-SCH)
52. S-CCPCH	53. 2	54. Secondary Common Control Physical Channel.
55. PICH	56. 1	57. To identify when the UE should access the PCCH for Paging Messages.
58. AICH 59. 60.	61. 1	62. General Acquisition Indicator Channel that can be used for: 63. - Aquisition Indicator Channel, for PRACH 64. - Access Preamble Acquisition Indicator Channel (AP-ICH), for PCPCH 65. - Collision-Detection/Channel-Assignment Indicator Channel (CD/CA-ICH), for PCPCH
66. DPDCH	67. 3	68. Downlink Physical Data Channel. There will be a single DPCCH associated with all the DPDCHs used for Layer 1 signalling. 69. This number is for the First Cell. Additional Cells may define a lower number which should be at least 1.
70. PDSCH	71. 1	72. Physical Downlink Shared Channel.
73. DPCH	74. 1	75. Uplink Dedicated Physical Channel
76. PRACH	77. 2	78. Physical Random Access Channel.
79. PCPCH	80. 1	81. Physical Common Packet Channel.
82. CSICH	83. 1	84. 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
85. BCCH	86. 1	87.
88. CCCH	89. 1	90.
91. DCCH	92. 1	93.
94. PCCH	95. 1	96.
97. DTCH	98. 1	99.
100.SHCH	101.1	102.

4.2.1.2.2 Transport Channels

Transport Channel	Minimum Number	Comments
103.BCH	104.1	105.
106.FACH	107.1	108.
109.PCH	110.1	111.
112.DCH	113.n <FFS>	114.
115.DSCH	116.1	117.
118.USCH	119.1	120.
121.RACH	122.1	123.

4.2.1.2.3 Physical Channels (3.84 Mcps)

Physical Channel	Minimum Number	Comments
124.P-CCPCH	125.1	126.Primary Common Control Physical Channel. This is the Cell Broadcast Channel, transmitted using the Primary Scrambling Code for the Cell.
127.SCH	128.1	129.Synchronisation Channel
130.S-CCPCH	131.2	132.Secondary Common Control Physical Channel.
133.PICH	134.	135.To identify when the UE should access the PCCH for Paging Messages.
136.DPCH (DL)	137.3	138.Downlink Dedicated Physical Channel
139.PDSCH	140.1	141.Physical Downlink Shared Channel.
142.DPCH (UL)	143.1	144.Uplink Dedicated Physical Channel

145.PUSCH	146.1	147.Physical Uplink Shared Channel.
148.PRACH	149.2	150.Physical Random Access Channel.

4.2.1.2.4 Physical Channels (1.28 Mcps)

Physical Channel	Minimum Number	Comments
151.P-CCPCH	152.1	153.Primary Common Control Physical Channel. This is the Cell Broadcast Channel, transmitted using the Primary Scrambling Code for the Cell.
154.DwPCH	155.1	156.Synchronisation Channel
157.UpPCH	158.1	159.Synchronisation Channel
160.S-CCPCH	161.2	162.Secondary Common Control Physical Channel.
163.PICH	164.	165.To identify when the UE should access the PCCH for Paging Messages.
166.DPCH (DL)	167.3	168.Downlink Dedicated Physical Channel
169.PDSCH	170.1	171.Physical Downlink Shared Channel.
172.DPCH (UL)	173.1	174.Uplink Dedicated Physical Channel
175.PUSCH	176.1	177.Physical Uplink Shared Channel.
178.FPACH	179.1	180.Fast Physical Access Channel
181.PRACH	182.2	183.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 for FDD and 3.84 Mcps TDD option, and 0.8 MHz for 1.28 Mcps TDD option since the channel's width is 1.6 MHz. The raster spacing is 200KHz. Similarly the highest test frequency (downlink and uplink) needs to be offset downwardly by at least 2.6 MHz for FDD and 3.84 Mcps TDD option, and 0.8 MHz for 1.28 Mcps TDD option.

```
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
for FDD and 3.84 Mcps TDD option, and 0.8 MHz for 1.28 Mcps TDD option.
```

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

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

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

5.1.2.1 Standard TDD reference test frequencies (3.84 Mcps option)

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

5.1.2.2 Standard TDD reference test frequencies (1.28 Mcps option)

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

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), dual mode networks (FDD+TDD), or inter-RAT networks (FDD or TDD + GSM).

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

To simplify TTCN implementation the total number of simultaneous cells in intra-frequency, inter-frequency and inter-RAT cell information lists (SIB11) have been limited to 8 and a specific cell numbering scheme have been defined to associate cell identifiers with type of cell.

- Cell 1, Cell 2, Cell 3, Cell 7 and Cell 8 are associated with FDD/TDD cells using frequency f1;

- Cell 4, Cell 5 and Cell 6 are associated with FDD/TDD cells using frequency f2; and

- Cell 9 and Cell 10 are associated with GSM cells.

```
For FDD and TDD intra- and inter-frequency cell environment Cell 1 to Cell 8 are used.
```
For FDD/GSM inter-RAT cell environment Cell 1 to Cell 6, Cell 9 and Cell 10 are used.

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	184.MIB, SB1, (SB2), SIB1, SIB2, SIB3, SIB5, SIB7, SIB11
	Used in Connected Mode	185.SIB4, SIB6, SIB12
Mandatory for FDD CPCH		186.SIB8, SIB9
Mandatory for FDD DRAC		187.SIB10
Mandatory for TDD		188.SIB14, SIB17
Mandatory for LCS		189.SIB15, SIB15.1, SIB15.2, SIB15.3
Mandatory for ANSI-41 system		190.SIB13, SIB13.1, SIB13.2, SIB13.3, SIB13.4
Mandatory for InterSys HO		191.SIB16
Mandatory for Cell reselection		192.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.

Configuration 1	193.MIB, SB1, SIB1, SIB2, SIB3, SIB4, SIB5, SIB6, SIB7, SIB11, SIB12, SIB18
Configuration 2	194.MIB, SB1, SIB1, SIB2, SIB3, SIB4, SIB5, SIB7, SIB11, SIB12, SIB18
Configuration 3	195.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

196.- MIB value tag	197.1
198.- Supported PLMN types	199.
200. - PLMN type	201.GSM-MAP
202. - PLMN identity	203.
204. - MCC digit	205.Set to the same Mobile Country Codes stored in the test USIM card (TS 34.108 clause 8.3.2.2 EF IMSI(IMSI)).

206. - MNC digit	207.Set to the same Mobile Network Codesstored in the test USIM card (TS 34.108 clause 8.3.2.2 EF IMSI(IMSI)).
208.- ANSI-41 Core Network information	209.Not Present
210. - References to other system information blocks and scheduling blocks	211.
212. - References to other system information blocks	213.
214. - Scheduling information	215.
216. - CHOICE Value tag	217.Cell Value Tag
218. - Cell Value tag	219.1
220. - Scheduling	221.
222. - SEG_COUNT	223.1
224. - SIB_REP	225.16
226. - SIB_POS	227.2
228. - SIB_POS offset info	229.Not Present – use default
230. - SIB and SB type	231.Scheduling Block 1
232. - Scheduling information	233.
234. - CHOICE Value tag	235.PLMN Value tag
236. - PLMN Value tag	237.1
238. - SEG_COUNT	239.1
240. - SIB_REP	241.64
242. - SIB_POS	243.22
244. - SIB_POS offset info	245.Not Present – use default
246. - SIB and SB type	247.System Information Type 1
248. - Scheduling information	249.
250. - CHOICE Value tag	251.Cell Value tag
252. - Cell Value tag	253.1
254. - SEG_COUNT	255.1
256. - SIB_REP	257.64
258. - SIB_POS	259.22
260. - SIB_POS offset info	261.Not Present – use default
262. - SIB and SB type	263.System Information Type 2
264. - Scheduling information	265.
266. - CHOICE Value tag	267.Cell Value tag
268. - Cell Value tag	269.1

270. - SEG_COUNT	271.1
272. - SIB_REP	273.64
274. - SIB_POS	275.20
276. - SIB_POS offset info	277.Not Present – use default
278. - SIB and SB type	279.System Information Type 3
280. - Scheduling information	281.
282. - CHOICE Value tag	283.Cell Value tag
284. - Cell Value tag	285.1
286. - SEG_COUNT	287.1
288. - SIB_REP	289.64
290. - SIB_POS	291.52
292. - SIB_POS offset info	293.Not Present – use default
294. - SIB and SB type	295.System Information Type 4
296.- Scheduling information	297.
298. - CHOICE Value tag	299.Cell Value tag
300. - Cell Value tag	301.1
302. - SEG_COUNT	303.4
304. - SIB_REP	305.64
306. - SIB_POS	307.38
308. - SIB_POS offset info	309.
310. - SIB_OFF	311.4
312. - SIB_OFF	313.2
314. - SIB_OFF	315.2
316. - SIB and SB type	317.System Information Type 5

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

318.- References to other system information blocks	319.
320. - Scheduling information	321.
322. - CHOICE Value tag	323.Cell Value tag
324. - Cell Value tag	325.1
326. - SEG_COUNT	327.4
328. - SIB_REP	329.64
330. - SIB_POS	331.6

332. - SIB_POS offset info	333.
334. - SIB_OFF	335.4
336. - SIB_OFF	337.2
338. - SIB_OFF	339.2
340. - SIB type SIBs only	341.System Information Type 6
342. - Scheduling information	343.
344. - CHOICE Value tag	345.Not Present
346. - SEG_COUNT	347.1
348. - SIB_REP	349.16
350. - SIB_POS	351.4
352. - SIB_POS offset info	353.Not Present
354. - SIB type SIBs only	355.System Information Type 7
356. - Scheduling information	357.
358. - CHOICE Value tag	359.Cell Value tag
360. - Cell Value tag	361.1
362. - SEG_COUNT	363.3
364. - SIB_REP	365.64
366. - SIB_POS	367.58
368. - SIB_POS offset info	369.
370. - SIB_OFF	371.2
372. - SIB_OFF	373.2
374. - SIB type SIBs only	375.System Information Type 11
376. - Scheduling information	377.
378. - CHOICE Value tag	379.Cell Value tag
380. - Cell Value tag	381.1
382. - SEG_COUNT	383.3
384. - SIB_REP	385.64
386. - SIB_POS	387.26
388. - SIB_POS offset info	389.
390. - SIB_OFF	391.2
392. - SIB_OFF	393.2
394. - SIB type SIBs only	395.System Information Type 12
396. - Scheduling information	397.
398. - CHOICE Value tag	399.PLMN Value tag

400. - PLMN Value tag	401.1
402. - SEG_COUNT	403.1
404. - SIB_REP	405.64
406. - SIB_POS	407.36
408. - SIB_POS offset info	409.Not Present
410. - SIB type SIBs only	411.System Information Type 18

Contents of Scheduling Block 1 (3.84 Mcps TDD)

412.- References to other system information blocks	413.
414. - Scheduling information	415.
416. - CHOICE Value tag	417.Cell Value tag
418. - Cell Value tag	419.1
420. - SEG_COUNT	421.4
422. - SIB_REP	423.128
424. - SIB_POS	425.3
426. - SIB_POS offset info	427.
428. - SIB_OFF	429.4
430. - SIB_OFF	431.2
432. - SIB_OFF	433.2
434. - SIB type SIBs only	435.System Information Type 6
436. - Scheduling information	437.
438. - CHOICE Value tag	439.Not Present
440. - SEG_COUNT	441.1
442. - SIB_REP	443.16
444. - SIB_POS	445.2
446. - SIB_POS offset info	447.Not Present
448. - SIB type SIBs only	449.System Information Type 7
450. - Scheduling information	451.
452. - CHOICE Value tag	453.Cell Value tag
454. - Cell Value tag	455.1
456. - SEG_COUNT	457.3
458. - SIB_REP	459.64
460. - SIB_POS	461.29

462. - SIB_POS offset info	463.		
464. - SIB_OFF	465.2		
466. - SIB_OFF	467.2		
468. - SIB type SIBs only	469.System Information Type 11		
470. - Scheduling information	471.		
472. - CHOICE Value tag	473.Cell Value tag		
474. - Cell Value tag	475.1		
476. - SEG_COUNT	477.3		
478. - SIB_REP	479.64		
480. - SIB_POS	481.13		
482. - SIB_POS offset info	483.		
484. - SIB_OFF	485.2		
486. - SIB_OFF	487.2		
488. - SIB type SIBs only	489.System Information Type 12		
490. - Scheduling information	491.		
492. - CHOICE Value tag	493.Cell Value tag		
494. - Cell Value tag	495.1		
496. - SEG_COUNT	497.1		
498. - SIB_REP	499.64		
500. - SIB_POS	501.54		
502. - SIB_POS offset info	503.Not Present - use default		
504. - SIB type SIBs only	505.System Information Type 14		
506. - Scheduling information	507.		
508. - CHOICE Value tag	509.PLMN Value tag		
510. - PLMN Value tag	511.1		
512. - SEG_COUNT	513.1		
514. - SIB_REP	515.64		
516. - SIB_POS	517.6		
518. - SIB_POS offset info	519.Not Present		
520. - SIB type SIBs only	521.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)

522.- CN common GSM-MAP NAS system information	523.
524. - GSM-MAP NAS system information	525.00 01H
526.- CN domain system information	527.
528. - CN domain identity	529.PS
530. - CHOICE CN Type	531.GSM-MAP
532.　　　　- CN domain specific NAS system information	533.
534. - GSM-MAP NAS system information	535.05 00H
536.　　　　- CN domain specific DRX cycle length coefficient	537.7
538. - CN domain identity	539.CS
540. - CHOICE CN Type	541.GSM-MAP
542.　　　　- CN domain specific NAS system information	543.
544. - GSM-MAP NAS system information	545.1E 01H
546.　　　　- CN domain specific DRX cycle length coefficient	547.7
548.- UE Timers and constants in idle mode	549.
550. -T300	551.4000 milliseconds
552. -N300	553.7
554. -T312	555.10 seconds
556. - N312	557.1
558.- UE Timers and constants in connected mode	559.
560. - T301	561.Not Present (2000 milliseconds: default value)
562. - N301	563.Not Present (2: default value)
564. - T302	565.Not Present (4000 milliseconds: default value)
566. - N302	567.Not Present (3: default value)

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568. - T304	569.Not Present (2000 milliseconds: default value)
570. - N304	571.Not Present (2: default value)
572. - T305	573.Not Present (30 minutes: default value)
574. - T307	575.Not Present (30 seconds: default value)
576. - T308	577.Not Present (160 milliseconds: default value)
578. - T309	579.Not Present (5 seconds: default value)
580. - T310	581.Not Present (160 milliseconds: default value)
582. - N310	583.Not Present (4: default value)
584. - T311	585.Not Present (2000 milliseconds: default value)
586. - T312	587.Not Present (1 seconds: default value)
588. - N312	589.Not Present (1: default value)
590. - T313	591.Not Present (3 seconds: default value)
592. - N313	593.Not Present (20: default value)
594. - T314	595.Not Present (12 seconds: default value)
596. - T315	597.Not Present (180 seconds: default value)
598. - N315	599.Not Present (1: default value)
600. - T316	601.Not Present (30 seconds: default value)
602. - T317	603.Not Present (180 seconds: default value)

Contents of System Information Block type 2

604.- URA identity list	*605.Only 1 URA identity broadcasted*
606. - URA identity	607.0000 0000 0000 0001B

Contents of System Information Block type 3 (FDD)

608.- SIB4 indicator	609.TRUE
610.- Cell identity	611.0000 0000 0000 0000 0000 0000 0001B
612.- Cell selection and re-selection info	613.
614. - Mapping info	615.Not Present
616. - Cell selection and reselection quality measure	617.CPICH RSCP
618. - CHOICE mode	619.FDD

620.	- S$_{intrasearch}$	621.	16 dB
622.	- S$_{intersearch}$	623.	16 dB
624.	- S$_{searchHCS}$	625.	Not Present
626.	- RAT List	627.	This parameter is configurable
628.	- RAT identifier	629.	GSM
630.	- S$_{search,RAT}$	631.	-32 dB
632.	- S$_{HCS,RAT}$	633.	Not Present
634.	- S$_{limit,SearchRAT}$	635.	0
636.	- Q$_{qualmin}$	637.	Reference to table 6.1.1
638.	- Q$_{rxlevmin}$	639.	Reference to table 6.1.1
640.	- Q$_{hyst1s}$	641.	2 dB
642.	- Q$_{hyst2s}$	643.	Not Present
644.	- T$_{reselections}$	645.	0 seconds
646.	- HCS Serving cell information	647.	Not Present
648.	- Maximum allowed UL TX power	649.	Reference to table 6.1.1
650.	- Cell Access Restriction	651.	
652.	- Cell barred	653.	Not barred
654.	- Intra-frequency cell re-selection indicator	655.	Not present
656.	- T$_{barred}$	657.	Not present
658.	- Cell Reserved for operator use	659.	Not reserved
660.	- Cell Reservation Extension	661.	Not reserved
662.	- Access Class Barred List	663.	
664.	- Access Class Barred0	665.	Not barred
666.	- Access Class Barred1	667.	Not barred
668.	- Access Class Barred2	669.	Not barred
670.	- Access Class Barred3	671.	Not barred
672.	- Access Class Barred4	673.	Not barred
674.	- Access Class Barred5	675.	Not barred
676.	- Access Class Barred6	677.	Not barred
678.	- Access Class Barred7	679.	Not barred
680.	- Access Class Barred8	681.	Not barred
682.	- Access Class Barred9	683.	Not barred
684.	- Access Class Barred10	685.	Not barred

686.	- Access Class Barred11	687.	Not barred
688.	- Access Class Barred12	689.	Not barred
690.	- Access Class Barred13	691.	Not barred
692.	- Access Class Barred14	693.	Not barred
694.	- Access Class Barred15	695.	Not barred

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

696.	- SIB4 Indicator	697. TRUE
698.	- Cell identity	699. 0000 0000 0000 0000 0000 0000 0001B
700.	- Cell selection and re-selection info	701.
702.	- Mapping info	703. Not present
704.	- Cell selection and reselection quality measure	705. (no data)
706.	- CHOICE mode	707. TDD
708.	- $S_{intrasearch}$	709. 10 dB
710.	- $S_{intersearch}$	711. 10 dB
712.	- $S_{searchHCS}$	713. Not present
714.	- RAT List	715. This parameter is configurable
716.	- RAT identifier	717. GSM
718.	- $S_{search,RAT}$	719. -32 dB
720.	- $S_{HCS,RAT}$	721. Not present
722.	- $S_{limit,ShearchRAT}$	723. Not Present
724.	- Qrxlevmin	725. -103 dBm
726.	- Q_{hyst1s}	727. 0 dB
728.	- $T_{reselections}$	729. 0 seconds
730.	- HCS Serving cell information	731. Not present
732.	- Maximum allowed UL TX power	733. 30dBm
734.	- Cell Access Restriction	735.
736.	- Cell barred	737. Not barred
738.	- Intra-frequency cell re-selection indicator	739. Not present
740.	- T_{barred}	741. Not present
742.	- Cell Reserved for operator use	743. Not reserved
744.	- Cell Reservation Extension	745. Not reserved

746. - Access Class Barred List	747.
748. - Access Class Barred0	749.Not barred
750. - Access Class Barred1	751.Not barred
752. - Access Class Barred2	753.Not barred
754. - Access Class Barred3	755.Not barred
756. - Access Class Barred4	757.Not barred
758. - Access Class Barred5	759.Not barred
760. - Access Class Barred6	761.Not barred
762. - Access Class Barred7	763.Not barred
764. - Access Class Barred8	765.Not barred
766. - Access Class Barred9	767.Not barred
768. - Access Class Barred10	769.Not barred
770. - Access Class Barred11	771.Not barred
772. - Access Class Barred12	773.Not barred
774. - Access Class Barred13	775.Not barred
776. - Access Class Barred14	777.Not barred
778. - Access Class Barred15	779.Not barred

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

780.- Cell identity	781.0000 0000 0000 0000 0000 0000 0001B
782.- Cell selection and re-selection info	783.
784. - Mapping Info	785.Not present
786. - Cell selection and reselection quality measure	787.CPICH RSCP
788. - CHOICE mode	789.FDD
790. - Sintrasearch	791.16 dB
792. - Sintersearch	793.16 dB
794. - SsearchHCS	795.Not present
796. - RAT List	797.This parameter is configurable
798. - RAT identifier	799.GSM
800. - Ssearch,RAT	801.-32 dB
802. - SHCS,RAT	803.Not Present
804. - $S_{limit,SearchRAT}$	805.0
806. - Qqualmin	807.Reference to table 6.1.1
808. - Qrxlevmin	809.Reference to table 6.1.1
810. - Qhyst1s	811.2 dB
812. - Qhyst2s	813.Not Present
814. - Treselections	815.0 seconds
816. - HCS Serving cell information	817.Not Present
818. - Maximum allowed UL TX power	819.Reference to table 6.1.1
820.- Cell Access Restriction	821.
822. - Cell barred	823.Not barred
824. - Intra-frequency cell re-selection indicator	825.Not present
826. - T_{barred}	827.Not present
828. - Cell Reserved for operator use	829.Not reserved
830. - Cell Reservation Extension	831.Not reserved
832. - Access Class Barred List	833.Not present

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

834.- Cell identity	835.0000 0000 0000 0000 0000 0000 0001B

836.- Cell selection and re-selection info	837.
838. - Mapping info	839.Not Present
840. - Cell selection and reselection quality measure	841.(no data)
842. - CHOICE mode	843.TDD
844. - Sintrasearch	845. 10 dB
846. - Sintersearch	847. 10 dB
848. - SsearchHCS	849.Not present
850. - RAT List	851.This parameter is configurable
852. - RAT identifier	853.GSM
854. - $S_{search,RAT}$	855.-32 dB
856. - $S_{HCS,RAT}$	857.Not present
858. - $S_{limit,ShearchRAT}$	859.Not Present
860. - Qrxlevmin	861.-103 dBm
862. - Q_{hyst1s}	863.0 dB
864. - $T_{reselections}$	865.0 seconds
866. - HCS Serving cell information	867.Not present
868. - Maximum allowed UL TX power	869.30dBm
870.- Cell Access Restriction	871.
872. - Cell barred	873.Not barred
874. - Intra-frequency cell re-selection indicator	875.Not present
876. - T_{barred}	877.Not present
878. - Cell Reserved for operator use	879.Not reserved
880. - Cell Reservation Extension	881.Not reserved
882. - Access Class Barred List	883.Not present

Contents of System Information Block type 5 (FDD)

884.- SIB6 indicator	885.TRUE
886.- PICH Power offset	887.-5 dB
888.- CHOICE Mode	889.FDD
890. - AICH Power offset	891.5 dB
892.- Primary CCPCH info	893.Not present
894.- PRACH system information list	895.

896.- PRACH system information	897.
898. - PRACH info	899.
900. - CHOICE mode	901.FDD
902. - Available Signature	903.'0000 0000 1111 1111'B
904. - Available SF	905.64
906. - Preamble scrambling code number	907.0
908. - Puncturing Limit	909.1.00
910. - Available Sub Channel number	911.'1111 1111 1111'B
912. - Transport Channel Identity	913.15
914. - RACH TFS	915.
916. - CHOICE Transport channel type	917.Common transport channels
918. - Dynamic Transport format information	919.
920. - RLC size	921.168
922. - Number of TB and TTI List	923.
924. - Number of Transport blocks	925.1
926. - CHOICE Mode	927.FDD
928. - CHOICE Logical Channel List	929.Configured
930. - RLC size	931.360
932. - Number of TB and TTI List	933.
934. - Number of Transport blocks	935.1
936. - CHOICE Mode	937.FDD
938. - CHOICE Logical Channel List	939.Configured
940. - Semi-static Transport Format information	941.
942. - Transmission time interval	943.20 ms
944. - Type of channel coding	945.Convolutional
946. - Coding Rate	947.1/2
948. - Rate matching attribute	949.150
950. - CRC size	951.16
952. - RACH TFCS	953.
954. - CHOICE TFCI signalling	955.Normal

956. - TFCI Field 1 information	957.
958. - CHOICE TFCS representation	959. Complete reconfiguration
960. - TFCS complete reconfiguration information	961.
962. - CHOICE CTFC Size	963. 2 bit
964. - CTFC information	965. 0
966. - Power offset information	967.
968. - CHOICE Gain Factors	969. Computed Gain Factor
970. - Reference TFC ID	971. 0
972. - CHOICE Mode	973. FDD
974. - Power offset Pp-m	975. 0 dB
976. - CTFC information	977. 1
978. - Power offset information	979.
980. - CHOICE Gain Factors	981. Signalled Gain Factor
982. - CHOICE mode	983. FDD
984. - Gain factor ßc	985. 11
986. - Gain factor ßd	987. 15
988. - Reference TFC ID	989. 0
990. - CHOICE Mode	991. FDD
992. - Power offset Pp-m	993. 0 dB
994. - PRACH partitioning	995.
996. - Access Service Class	997.
998. - ASC Setting	999. Not Present
1000. - ASC Setting	1001.
1002. - CHOICE mode	1003. FDD
1004. - Available signature Start Index	1005. 0 (ASC#1)
1006. - Available signature End Index	1007. 7 (ASC#1)
1008. - Assigned Sub-Channel Number	1009. '1111'B
	1010. The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
1011. - ASC Setting	1012. Not Present
1013. - ASC Setting	1014.
1015. - CHOICE mode	1016. FDD

1017. - Available signature Start Index	1018. 0 (ASC#3)
1019. - Available signature End Index	1020. 7 (ASC#3)
1021. - Assigned Sub-Channel Number	1022. '1111'B
	1023. The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
1024. - ASC Setting	1025. Not Present
1026. - ASC Setting	1027.
1028. - CHOICE mode	1029. FDD
1030. - Available signature Start Index	1031. 0 (ASC#5)
1032. - Available signature End Index	1033. 7 (ASC#5)
1034. - Assigned Sub-Channel Number	1035. '1111'B
	1036. The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
1037. - ASC Setting	1038. Not Present
1039. - ASC Setting	1040.
1041. - CHOICE mode	1042. FDD
1043. - Available signature Start Index	1044. 0 (ASC#7)
1045. - Available signature End Index	1046. 7 (ASC#7)
1047. - Assigned Sub-Channel Number	1048. '1111'B
	1049. The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
1050. - Persistence scaling factor	1051.
1052. - Persistence scaling factor	1053. 0.9 (for ASC#2)
1054. - Persistence scaling factor	1055. 0.9 (for ASC#3)
1056. - Persistence scaling factor	1057. 0.9 (for ASC#4)
1058. - Persistence scaling factor	1059. 0.9 (for ASC#5)
1060. - Persistence scaling factor	1061. 0.9 (for ASC#6)
1062. - Persistence scaling factor	1063. 0.9 (for ASC#7)
1064. - AC-to-ASC mapping table	1065.
1066. - AC-to-ASC mapping	1067. 6 (AC0-9)
1068. - AC-to-ASC mapping	1069. 5 (AC10)

1070.	- AC-to-ASC mapping	1071. 4 (AC11)
1072.	- AC-to-ASC mapping	1073. 3 (AC12)
1074.	- AC-to-ASC mapping	1075. 2 (AC13)
1076.	- AC-to-ASC mapping	1077. 1 (AC14)
1078.	- AC-to-ASC mapping	1079. 0 (AC15)
1080.	- CHOICE mode	1081. FDD
1082.	- Primary CPICH TX power	1083. 31
1084.	- Constant value	1085. -10
1086.	- PRACH power offset	1087.
1088.	- Power Ramp Step	1089. 3dB
1090.	- Preamble Retrans Max	1091. 4
1092.	- RACH transmission parameters	1093.
1094.	- Mmax	1095. 2
1096.	- NB01min	1097. 3 slot
1098.	- NB01max	1099. 10 slot
1100.	- AICH info	1101.
1102.	- Channelisation code	1103. 3
1104.	- STTD indicator	1105. FALSE
1106.	- AICH transmission timing	1107. 0
1108.	- Secondary CCPCH system information	1109.
1110.	- Secondary CCPCH info	1111.
1112.	- CHOICE mode	1113. FDD
1114.	- Secondary scrambling code	1115. Not Present
1116.	- STTD indicator	1117. FALSE
1118.	- Spreading factor	1119. 64
1120.	- Code number	1121. 1
1122.	- Pilot symbol existence	1123. FALSE
1124.	- TFCI existence	1125. TRUE (default value)
1126.	- Fixed or Flexible position	1127. Flexible (default value)
1128.	- Timing offset	1129. Not Present
		1130. Absence of this IE is equivalent to default value 0
1131.	- TFCS	1132. (This IE is repeated for TFC number for PCH and FACH.)

1133. - CHOICE TFCI signalling	1134. Normal
1135. - TFCI Field 1 information	1136.
1137. - CHOICE TFCS representation	1138. Complete reconfiguration
1139. - TFCS complete reconfiguration information	1140.
1141. - CHOICE CTFC Size	1142. 4 bit
1143. - CTFC information	1144. 0
1145. - Power offset information	1146. Not Present
1147. - CTFC information	1148. 1
1149. - Power offset information	1150. Not Present
1151. - CTFC information	1152. 2
1153. - Power offset information	1154. Not Present
1155. - CTFC information	1156. 3
1157. - Power offset information	1158. Not Present
1159. - CTFC information	1160. 4
1161. - Power offset information	1162. Not Present
1163. - CTFC information	1164. 5
1165. - Power offset information	1166. Not Present
1167. - CTFC information	1168. 6
1169. - Power offset information	1170. Not Present
1171. - CTFC information	1172. 8
1173. - Power offset information	1174. Not Present
1175. - FACH/PCH information	1176.
1177. - TFS	1178. (PCH)
1179. - CHOICE Transport channel type	1180. Common transport channels
1181. - Dynamic Transport format information	1182.
1183. - RLC Size	1184. 240
1185. - Number of TB and TTI List	1186.
1187. - Number of Transport blocks	1188. 0
1189. - Number of Transport blocks	1190. 1
1191. - CHOICE Logical Channel List	1192. ALL

1193.	- Semi-static Transport Format information	1194.	
1195.	- Transmission time interval	1196.	10 ms
1197.	- Type of channel coding	1198.	Convolutional
1199.	- Coding Rate	1200.	1/2
1201.	- Rate matching attribute	1202.	230
1203.	- CRC size	1204.	16 bit
1205.	- Transport Channel Identity	1206.	12 (for PCH)
1207.	- CTCH indicator	1208.	FALSE
1209.	- TFS	1210.	(FACH)
1211.	- CHOICE Transport channel type	1212.	Common transport channels
1213.	- Dynamic Transport format information	1214.	
1215.	- RLC Size	1216.	168
1217.	- Number of TB and TTI List	1218.	
1219.	- Number of Transport blocks	1220.	0
1221.	- Number of Transport blocks	1222.	1
1223.	- Number of Transport blocks	1224.	2
1225.	- CHOICE Logical Channel List	1226.	ALL
1227.	- Semi-static Transport Format information	1228.	
1229.	- Transmission time interval	1230.	10 ms
1231.	- Type of channel coding	1232.	Convolutional
1233.	- Coding Rate	1234.	1/2
1235.	- Rate matching attribute	1236.	220
1237.	- CRC size	1238.	16 bit
1239.	- Transport Channel Identity	1240.	13 (for FACH)
1241.	- CTCH indicator	1242.	FALSE
1243.	- TFS	1244.	(FACH)
1245.	- CHOICE Transport channel type	1246.	Common transport channels
1247.	- Dynamic Transport format information	1248.	
1249.	- RLC Size	1250.	360

ETSI

1251.	- Number of TB and TTI List	1252.	
1253.	- Number of Transport blocks	1254.	0
1255.	- Number of Transport blocks	1256.	1
1257.	- CHOICE Logical Channel List	1258.	ALL
1259.	- Semi-static Transport Format information	1260.	
1261.	- Transmission time interval	1262.	10 ms
1263.	- Type of channel coding	1264.	Turbo
1265.	- Rate matching attribute	1266.	130
1267.	- CRC size	1268.	16bit
1269.	- Transport Channel Identity	1270.	14 (for FACH)
1271.	- CTCH indicator	1272.	FALSE
1273.	- PICH info	1274.	
1275.	- CHOICE mode	1276.	FDD
1277.	- Channelisation code	1278.	2
1279.	- Number of PI per frame	1280.	18
1281.	- STTD indicator	1282.	FALSE
1283.	- CBS DRX Level 1 information	1284.	Not Present

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

1285.	- SIB6 indicator	1286.	TRUE
1287.	- PICH Power offset	1288.	-5 dB
1289.	- CHOICE Mode	1290.	TDD
1291.	- PUSCH system information	1292.	Not Present
1293.	- PDSCH system information	1294.	Not Present
1295.	- TDD open loop power control	1296.	
1297.	- Primary CCPCH Tx Power	1298.	30 dbm
1299.	- CHOICE TDD option	1300.	3.84 Mcps TDD /REL-4/
1301.	- Alpha	1302.	(1/8)
1303.	- PRACH Constant Value	1304.	-10
1305.	- DPCH Constant Value	1306.	-10
1307.	- PUSCH Constant Value	1308.	-10

1309. - UE positioning related parameters	1310. Not Present /REL-4/
1311. - Primary CCPCH info	1312.
1313. - CHOICE *mode*	1314. TDD
1315. - CHOICE TDD option	1316. 3.84 Mcps TDD /REL-4/
1317. - CHOICE SyncCase	1318. Sync Case 2
1319. - Timeslot	1320. 0
1321. - Cell parameters ID	1322. Not Present
1323. - SCTD indicator	1324. FALSE
1325. - PRACH system information list	1326.
1327. - PRACH system information	1328.
1329. - PRACH info	1330.
1331. - CHOICE mode	1332. TDD
1333. - CHOICE TDD option	**1334.** 3.84 Mcps TDD /REL-4/
1335. - Timeslot number	1336. 14
1337. - PRACH Channelisation Code List	1338.
1339. - CHOICE SF	1340. SF8
1341. - Channelisation Code List	1342.
1343. - Channelisation Code	1344. 8/1
1345. - Channelisation Code	1346. 8/2
1347. - Channelisation Code	1348. 8/3
1349. - Channelisation Code	1350. 8/4
1351. - PRACH Midamble	1352. Direct
1353. - PNBSCH allocation	1354. Not Present /REL-4/
1355. - Transport Channel Identity	1356. 15
1357. - RACH TFS	1358.
1359. - CHOICE Transport channel type	1360. Common transport channels
1361. - Dynamic Transport format information	1362.
1363. - RLC size	1364. Reference clause 6.10 Parameter Set
1365. - Number of TB and TTI List	1366. Reference clause 6.10 Parameter Set
1367. - Number of Transport blocks	1368. Reference clause 6.10 Parameter Set

1369. - CHOICE Mode	1370. TDD
1371. - Transmission Time Interval	1372. Not Present
1373. - CHOICE Logical Channel List	1374. Configured
1375. - Semi-static Transport Format information	1376.
1377. - Transmission time interval	1378. Reference clause 6.10 Parameter Set
1379. - Type of channel coding	1380. Reference clause 6.10 Parameter Set
1381. - Coding Rate	1382. Reference clause 6.10 Parameter Set
1383. - Rate matching attribute	1384. Reference clause 6.10 Parameter Set
1385. - CRC size	1386. Reference clause 6.10 Parameter Set
1387. - RACH TFCS	1388. Not present
1389. - PRACH partitioning	1390.
1391. - Access Service Class	1392.
1393. - ASC Settings	1394. (ASC#0)
1395. - CHOICE mode	1396. TDD
1397. - CHOICE TDD option	1398. 3.84 Mcps TDD
1399. - Available Channelisation codes indices	1400. Not Present (Default all)
1401. - CHOICE subchannel size	1402. Size1
1403. - Available Subchannels	1404. null
1405. - ASC Settings	1406. (ASC#1)
1407. - CHOICE mode	1408. TDD
1409. - CHOICE TDD option	1410. 3.84 Mcps TDD
1411. - Available Channelisation codes indices	1412. Not Present (Default all)
1413. - CHOICE subchannel size	1414. Size1
1415. - Available Subchannels	1416. null
1417. - ASC Settings	1418. (ASC#2)
1419. - CHOICE mode	1420. TDD
1421. - CHOICE TDD option	1422. 3.84 Mcps TDD
1423. - Available Channelisation codes indices	1424. Not Present (Default all)
1425. - CHOICE subchannel size	1426. Size1
1427. - Available Subchannels	1428. null
1429. - ASC Settings	1430. (ASC#3)

1431. - CHOICE mode	1432. TDD
1433. - CHOICE TDD option	1434. 3.84 Mcps TDD
1435. - Available Channelisation codes indices	1436. Not Present (Default all)
1437. - CHOICE subchannel size	1438. Size1
1439. - Available Subchannels	1440. null
1441. - ASC Settings	1442. (ASC#4)
1443. - CHOICE mode	1444. TDD
1445. - CHOICE TDD option	1446. 3.84 Mcps TDD
1447. - Available Channelisation codes indices	1448. Not Present (Default all)
1449. - CHOICE subchannel size	1450. Size1
1451. - Available Subchannels	1452. null
1453. - ASC Settings	1454. (ASC#5)
1455. - CHOICE mode	1456. TDD
1457. - CHOICE TDD option	1458. 3.84 Mcps TDD
1459. - Available Channelisation codes indices	1460. Not Present (Default all)
1461. - CHOICE subchannel size	1462. Size1
1463. - Available Subchannels	1464. null
1465. - ASC Settings	1466. (ASC#6)
1467. - CHOICE mode	1468. TDD
1469. - CHOICE TDD option	1470. 3.84 Mcps TDD
1471. - Available Channelisation codes indices	1472. Not Present (Default all)
1473. - CHOICE subchannel size	1474. Size1
1475. - Available Subchannels	1476. null
1477. - Persistence scaling factors	1478.
1479. - Access Service Class	1480.
1481. - Persistence scaling factor	1482. 0.9 (for ASC#2)
1483. - Persistence scaling factor	1484. 0.9 (for ASC#3)
1485. - Persistence scaling factor	1486. 0.9 (for ASC#4)
1487. - Persistence scaling factor	1488. 0.9 (for ASC#5)
1489. - Persistence scaling factor	1490. 0.9 (for ASC#6)
1491. - AC-to-ASC mapping	1492.
1493. - AC-to-ASC mapping table	1494.

1495. - AC-to-ASC mapping	1496. 6 (AC0-9)	
1497. - AC-to-ASC mapping	1498. 5 (AC10)	
1499. - AC-to-ASC mapping	1500. 4 (AC11)	
1501. - AC-to-ASC mapping	1502. 3 (AC12)	
1503. - AC-to-ASC mapping	1504. 2 (AC13)	
1505. - AC-to-ASC mapping	1506. 1 (AC14)	
1507. - AC-to-ASC mapping	1508. 0 (AC15)	
1509. - CHOICE *mode*	1510. TDD (no data)	
1511. - Secondary CCPCH system information	1512.	
1513. - Secondary CCPCH system information	1514.	
1515. - Secondary CCPCH info	1516.	
1517. - CHOICE *mode*	1518. TDD	
1519. - Offset	1520. 0	
1521. - Common timeslot info	1522.	
1523. - 2nd interleaving mode	1524. Frame	
1525. - TFCI coding	1526. Reference clause 6.10 Parameter Set	
1527. - Puncturing limit	1528. Reference clause 6.10 Parameter Set	
1529. - Repetition period	1530. Not Present (MD "1")	
1531. - Repetition length	1532. Not present (empty)	
1533. - Individual timeslot info	1534.	
1535. - CHOICE TDD option	1536. 3.84 Mcps TDD	
1537. - Timeslot number	1538. 1	
1539. - TFCI existence	1540. Reference clause 6.10 Parameter Set	
1541. - Midamble Shift and burst type	1542.	
1543. - CHOICE *TDD option*	1544. 3.84 Mcps TDD	
1545. - CHOICE Burst Type	1546. Type 1	
1547. - Midamble Allocation Mode	1548. Default midamble	
1549. - Midamble configuration burst type 1 and 3	1550. 4	
1551. - Midamble Shift	1552. Not Present	
1553. - CHOICE *TDD option*	1554. 3.84 Mcps TDD	
1555. - no data	1556.	
1557. - Code List	1558.	

1559. - Channelisation Code	1560. (This IE is repeated for Code number for PCH and FACH)
1561. - TFCS	1562. (This IE is repeated for TFC number for PCH and FACH.)
1563. -CHOICE *TFCI signalling*	1564.
1565. - Normal	1566.
1567. - TFCI Field 1 information	1568.
1569. - CHOICE TFCS representation	1570. Complete reconfiguration
1571. - TFCS complete information	1572.
1573. - CHOICE CTFC Size	1574. Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.
1575. - CTFC information	1576. Reference clause 6.10 Parameter Set
1577. - Power offset information	1578. Not Present
1579. - FACH/PCH information	1580.
1581. - TFS	1582. (PCH)
1583. - CHOICE Transport channel type	1584. Common transport channels
1585. - Dynamic Transport format information	1586.
1587. - RLC Size	1588. Reference clause 6.10 Parameter Set
1589. - Number of TB and TTI List	1590. Reference clause 6.10 Parameter Set
1591. - Number of Transport blocks	1592. Reference clause 6.10 Parameter Set
1593. - CHOICE Mode	1594. TDD
1595. - Transmission Time Interval	1596. Reference clause 6.10 Parameter Set
1597. - CHOICE Logical Channel List	1598. ALL
1599. - Semi-static Transport Format information	1600.
1601. - Transmission time interval	1602. Reference clause 6.10 Parameter Set
1603. - Type of channel coding	1604. Reference clause 6.10 Parameter Set
1605. - Coding Rate	1606. Reference clause 6.10 Parameter Set
1607. - Rate matching attribute	1608. Reference clause 6.10 Parameter Set
1609. - CRC size	1610. Reference clause 6.10 Parameter Set

1611.	- Transport Channel Identity	1612.	12 (for PCH)
1613.	- CTCH indicator	1614.	FALSE
1615.	- TFS	1616.	(FACH)
1617.	- CHOICE Transport channel type	1618.	Common transport channels
1619.	- Dynamic Transport format information	1620.	
1621.	- RLC Size	1622.	Reference clause 6.10 Parameter Set
1623.	- Number of TB and TTI List	1624.	Reference clause 6.10 Parameter Set
1625.	- Number of Transport blocks	1626.	Reference clause 6.10 Parameter Set
1627.	- CHOICE Mode	1628.	TDD
1629.	- Transmission Time Interval	1630.	Reference clause 6.10 Parameter Set
1631.	- CHOICE Logical Channel List	1632.	ALL
1633.	- Semi-static Transport Format information	1634.	
1635.	- Transmission time interval	1636.	Reference clause 6.10 Parameter Set
1637.	- Type of channel coding	1638.	Reference clause 6.10 Parameter Set
1639.	- Coding Rate	1640.	Reference clause 6.10 Parameter Set
1641.	- Rate matching attribute	1642.	Reference clause 6.10 Parameter Set
1643.	- CRC size	1644.	Reference clause 6.10 Parameter Set
1645.	- Transport Channel Identity	1646.	13 (for FACH)
1647.	- CTCH indicator	1648.	FALSE
1649.	- TFS	1650.	(FACH)
1651.	- CHOICE Transport channel type	1652.	Common transport channels
1653.	- Dynamic Transport format information	1654.	
1655.	- RLC Size	1656.	Reference clause 6.10 Parameter Set
1657.	- Number of TB and TTI List	1658.	Reference clause 6.10 Parameter Set
1659.	- Number of Transport blocks	1660.	Reference clause 6.10 Parameter Set
1661.	- CHOICE Mode	1662.	TDD
1663.	- CHOICE Logical Channel List	1664.	ALL

1665. - Semi-static Transport Format information	1666.
1667. - Transmission time interval	1668. Reference clause 6.10 Parameter Set
1669. - Type of channel coding	1670. Reference clause 6.10 Parameter Set
1671. - Coding Rate	1672. Reference clause 6.10 Parameter Set
1673. - Rate matching attribute	1674. Reference clause 6.10 Parameter Set
1675. - CRC size	1676. Reference clause 6.10 Parameter Set
1677. - Transport Channel Identity	1678. 14 (for FACH)
1679. - CTCH indicator	1680. FALSE
1681. - PICH info	1682.
1683. - CHOICE *mode*	1684. TDD
1685. - CHOICE TDD option	1686. 3.84 Mcps TDD
1687. - Timeslot number	1688. 0
1689. - Midamble shift and burst type	1690.
1691. - CHOICE *TDD option*	1692. 3.84 Mcps TDD
1693. - CHOICE Burst Type	1694. Type 1
1695. - Midamble Shift	1696. 0
1697. - Channelisation code	1698. 16/16
1699. - Repetition period/length	1700. 64/2
1701. - Offset	1702. 0
1703. - Paging indicator length	1704. 4
1705. - N_{GAP}	1706. 4
1707. - N_{PCH}	1708. 2
1709. - CBS DRX Level 1 information	1710. Not Present

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

1711. - SIB6 indicator	1712. TRUE
1713. - PICH Power offset	1714. -5 dB
1715. - CHOICE Mode	1716. TDD
1717. - PUSCH system information	1718. Not Present
1719. - PDSCH system information	1720. Not Present
1721. - TDD open loop power control	1722.
1723. - Primary CCPCH Tx Power	1724. 30 dbm

1725. - CHOICE TDD option	1726. 1.28 Mcps TDD	/REL-4/
1727. - no data	1728.	
1729. - Primary CCPCH info	1730.	
1731. - CHOICE *mode*	1732. TDD	
1733. - CHOICE TDD option	1734. 1.28 Mcps TDD	/REL-4/
1735. - TSTD indicator	1736. FALSE	
1737. - Cell parameters ID	1738. Not Present	
1739. - Block SCTD indicator	1740. FALSE	
1741. - PRACH system information list	1742.	
1743. - PRACH system information	1744.	
1745. - PRACH info	1746.	
1747. - CHOICE mode	1748. TDD	
1749. - CHOICE TDD option	1750. 1.28 Mcps TDD	/REL-4/
1751. - SYNC_UL info	1752.	
1753. - SYNC_UL codes bitmap	1754. "11111111"	
1755. - UL Target SIR	1756. 10 dB	
1757. - Power Ramping Step	1758. 3 dB	
1759. - Max SYNC_UL Transmissions	1760. 8	
1761. - Mmax	1762. 32	
1763. - PRACH definition	1764.	
1765. - Timeslot number	1766.	
1767. - CHOICE TDD option	1768. 1.28 Mcps TDD	/REL-4/
1769. - Timeslot number	1770. 1	
1771. - PRACH Channelisation Code List	1772.	
1773. - Channelisation Code List	1774.	
1775. - Channelisation Code	1776. (8/1)	
1777. - Midamble Shift and burst type	1778.	
1779. - CHOICE TDD option	1780. 1.28 Mcps TDD	/REL-4/
1781. - Midamble Allocation Mode	1782. Default midamble	
1783. - Midamble configuration	1784. 8	

1785. - Midamble Shift	1786. Not present		
1787. - FPACH info	1788.		
1789. - Timeslot number	1790. 6		
1791. - Channelisation code	1792. (16/16)		
1793. - Midamble Shift and burst type	1794.		
1795. - CHOICE TDD option	1796. 1.28 Mcps TDD /REL-4/		
1797. - Midamble Allocation Mode	1798. Common Midamble		
1799. - Midamble configuration	1800. 8		
1801. - Midamble Shift	1802. Not present		
1803. - WT	1804. 4		
1805. - PNBSCH allocation	1806. Not Present /REL-4/		
1807. - Transport Channel Identity	1808. 15		
1809. - RACH TFS	1810.		
1811. - CHOICE Transport channel type	1812. Common transport channels		
1813. - Dynamic Transport format information	1814.		
1815. - RLC size	1816. Reference clause 6.10 Parameter Set		
1817. - Number of TB and TTI List	1818. Reference clause 6.10 Parameter Set		
1819. - Number of Transport blocks	1820. Reference clause 6.10 Parameter Set		
1821. - CHOICE Mode	1822. TDD		
1823. - Transmission Time Interval	1824. Not Present		
1825. - CHOICE Logical Channel List	1826. Configured		
1827. - Semi-static Transport Format information	1828.		
1829. - Transmission time interval	1830. Reference clause 6.10 Parameter Set		
1831. - Type of channel coding	1832. Reference clause 6.10 Parameter Set		
1833. - Coding Rate	1834. Reference clause 6.10 Parameter Set		
1835. - Rate matching attribute	1836. Reference clause 6.10 Parameter Set		
1837. - CRC size	1838. Reference clause 6.10 Parameter Set		
1839. - RACH TFCS	1840. Not present		

1841. - PRACH partitioning	1842.	
1843. - Access Service Class	1844.	
1845. - ASC Settings	1846. (ASC#0)	
1847. - CHOICE mode	1848. TDD	
1849. - CHOICE TDD option	1850. 1.28 Mcps TDD	
1851. - Available SYNC_UL codes indices	1852. "11111111"	
1853. - CHOICE subchannel size	1854. Size1	
1855. - Available Subchannels	1856. Null	
1857. - ASC Settings	1858. (ASC#1)	
1859. - CHOICE mode	1860. TDD	
1861. - CHOICE TDD option	1862. 1.28 Mcps TDD	
1863. - Available SYNC_UL codes indices	1864. "11111111"	
1865. - CHOICE subchannel size	1866. Size1	
1867. - Available Subchannels	1868. Null	
1869. - ASC Settings	1870. (ASC#2)	
1871. - CHOICE mode	1872. TDD	
1873. - CHOICE TDD option	1874. 1.28 Mcps TDD	
1875. - Available SYNC_UL codes indices	1876. "11111111"	
1877. - CHOICE subchannel size	1878. Size1	
1879. - Available Subchannels	1880. Null	
1881. - ASC Settings	1882. (ASC#3)	
1883. - CHOICE mode	1884. TDD	
1885. - CHOICE TDD option	1886. 1.28 Mcps TDD	
1887. - Available SYNC_UL codes indices	1888. "11111111"	
1889. - CHOICE subchannel size	1890. Size1	
1891. - Available Subchannels	1892. Null	
1893. - ASC Settings	1894. (ASC#4)	
1895. - CHOICE mode	1896. TDD	
1897. - CHOICE TDD option	1898. 1.28 Mcps TDD	
1899. - Available SYNC_UL	1900. "11111111"	

	codes indices		
1901.	- CHOICE subchannel size	1902.	Size1
1903.	- Available Subchannels	1904.	Null
1905.	- ASC Settings	1906.	(ASC#5)
1907.	- CHOICE mode	1908.	TDD
1909.	- CHOICE TDD option	1910.	1.28 Mcps TDD
1911.	- Available SYNC_UL codes indices	1912.	"11111111"
1913.	- CHOICE subchannel size	1914.	Size1
1915.	- Available Subchannels	1916.	Null
1917.	- ASC Settings	1918.	(ASC#6)
1919.	- CHOICE mode	1920.	TDD
1921.	- CHOICE TDD option	1922.	1.28 Mcps TDD
1923.	- Available SYNC_UL codes indices	1924.	"11111111"
1925.	- CHOICE subchannel size	1926.	Size1
1927.	- Available Subchannels	1928.	Null
1929.	- Access Service Class	1930.	
1931.	- Persistence scaling factor	1932.	0.9 (for ASC#2)
1933.	- Persistence scaling factor	1934.	0.9 (for ASC#3)
1935.	- Persistence scaling factor	1936.	0.9 (for ASC#4)
1937.	- Persistence scaling factor	1938.	0.9 (for ASC#5)
1939.	- Persistence scaling factor	1940.	0.9 (for ASC#6)
1941.	- AC-to-ASC mapping	1942.	
1943.	- AC-to-ASC mapping table	1944.	
1945.	- AC-to-ASC mapping	1946.	6 (AC0-9)
1947.	- AC-to-ASC mapping	1948.	5 (AC10)
1949.	- AC-to-ASC mapping	1950.	4 (AC11)
1951.	- AC-to-ASC mapping	1952.	3 (AC12)
1953.	- AC-to-ASC mapping	1954.	2 (AC13)
1955.	- AC-to-ASC mapping	1956.	1 (AC14)
1957.	- AC-to-ASC mapping	1958.	0 (AC15)
1959.	- CHOICE *mode*	1960.	TDD (no data)
1961.	- Secondary CCPCH system	1962.	

information	
1963. - Secondary CCPCH system information	1964.
1965. - Secondary CCPCH info	1966.
1967. - CHOICE *mode*	1968. TDD
1969. - Offset	1970. 0
1971. - Common timeslot info	1972.
1973. - 2nd interleaving mode	1974. Frame
1975. - TFCI coding	1976. Reference clause 6.10 Parameter Set
1977. - Puncturing limit	1978. Reference clause 6.10 Parameter Set
1979. - Repetition period	1980. 1
1981. - Repetition length	1982. 0
1983. - Individual timeslot info	1984.
1985. - CHOICE *TDD option*	1986. 1.28 Mcps TDD
1987. - Timeslot number	1988. 0
1989. - TFCI existence	1990. Reference clause 6.10 Parameter Set
1991. - Midamble Shift and burst type	1992.
1993. - CHOICE *TDD option*	1994. 1.28 Mcps TDD
1995. - Midamble Allocation Mode	1996. Default midamble
1997. - Midamble configuration	1998. 4
1999. - Midamble Shift	2000. Not Present
2001. - CHOICE *TDD option*	2002. 1.28 Mcps TDD
2003. - Modulation	2004. Reference clause 6.10 Parameter Set
2005. - SS-TPC Symbols	2006. Reference clause 6.10 Parameter Set
2007. - Code List	2008.
2009. - Channelisation Code	2010. Reference clause 6.10 Parameter Set
2011. - TFCS	2012. Reference clause 6.10 Parameter Set
2013. - CHOICE TFCI *signalling*	2014.
2015. - Normal	2016.
2017. - TFCI Field 1 information	2018.
2019. - CHOICE TFCS representation	2020. Addition
2021. - TFCS addition	2022.

information	
2023. - CHOICE CTFC Size	2024. Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.
2025. - CTFC information	2026. Reference clause 6.10 Parameter Set
2027. - Power offset information	2028. Not Present
2029. - FACH/PCH information	2030.
2031. - Transport Channel Identity	2032. 12 (for PCH)
2033. - TFS	2034. (PCH)
2035. - CHOICE Transport channel type	2036. Common transport channels
2037. - Dynamic Transport format information	2038. (This IE is repeated for TFI number.)
2039. - RLC Size	2040. Reference clause 6.10 Parameter Set
2041. - Number of TB and TTI List	2042. Reference clause 6.10 Parameter Set
2043. - Number of Transport blocks	2044. Reference clause 6.10 Parameter Set
2045. - CHOICE Mode	2046. TDD
2047. - Transmission Time Interval	2048. Not Present
2049. - CHOICE Logical Channel List	2050. ALL
2051. - Semi-static Transport Format information	2052.
2053. - Transmission time interval	2054. Reference clause 6.10 Parameter Set
2055. - Type of channel coding	2056. Reference clause 6.10 Parameter Set
2057. - Coding Rate	2058. Reference clause 6.10 Parameter Set
2059. - Rate matching attribute	2060. Reference clause 6.10 Parameter Set
2061. - CRC size	2062. Reference clause 6.10 Parameter Set
2063. - Transport Channel Identity	2064. 13 (for FACH)
2065. - TFS	2066. (FACH)
2067. - CHOICE Transport channel type	2068. Common transport channels
2069. - Dynamic Transport format information	2070. (This IE is repeated for TFI number.)
2071. - RLC Size	2072. Reference clause 6.10 Parameter Set
2073. - Number of TB and TTI	2074. Reference clause 6.10 Parameter Set

List	
2075. - Number of Transport blocks	2076. Reference clause 6.10 Parameter Set
2077. - CHOICE Mode	2078. TDD
2079. - Transmission Time Interval	2080. Not Present
2081. - CHOICE Logical Channel List	2082. ALL
2083. - Semi-static Transport Format information	2084.
2085. - Transmission time interval	2086. Reference clause 6.10 Parameter Set
2087. - Type of channel coding	2088. Reference clause 6.10 Parameter Set
2089. - Coding Rate	2090. Reference clause 6.10 Parameter Set
2091. - Rate matching attribute	2092. Reference clause 6.10 Parameter Set
2093. - CRC size	2094. Reference clause 6.10 Parameter Set
2095. - CTCH indicator	2096. FALSE
2097. - PICH info	2098.
2099. - CHOICE *mode*	2100. TDD
2101. - CHOICE *TDD option*	2102. 1.28 Mcps TDD
2103. - Timeslot number	2104. 0
2105. - Midamble shift and burst type	2106.
2107. - Midamble Allocation Mode	2108. Default midamble
2109. - Midamble configuration	2110. 8
2111. - Midamble Shift	2112. Not Present
2113. - Channelisation code list	2114.
2115. - Channelisation code	2116. (16/1)
2117. - Channelisation code	2118. (16/2)
2119. - Repetition period/length	2120. 64/2
2121. - Offset	2122. 0
2123. - Paging indicator length	2124. 4
2125. - N_{GAP}	2126. 4
2127. - N_{PCH}	2128. 2
2129. - CBS DRX Level 1 information	2130. Not Present

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

2131. - PICH power offset	2132. -5 dB
2133. - CHOICE Mode	2134. FDD
2135. - AICH power offset	2136. 5 dB
2137. - Primary CCPCH info	2138. Not Present
2139. - PRACH system information list	2140. Not present
2141. - Secondary CCPCH system info	2142. Not Present
2143. - CBS DRX Level 1 information	2144. Not Present

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

2145. - PICH Power offset	2146. -5 dB
2147. - CHOICE Mode	2148. TDD
2149. - PUSCH system information	2150. Not Present
2151. - PDSCH system information	2152. Not Present
2153. - TDD open loop power control	2154.
2155. - Primary CCPCH Tx Power	2156. 30 dbm
2157. - CHOICE TDD option	2158. 3.84 Mcps TDD /REL-4/
2159. - Alpha	2160. (1/8)
2161. - PRACH Constant Value	2162. -10
2163. - DPCH Constant Value	2164. -10
2165. - PUSCH Constant Value	2166. -10
2167. - Primary CCPCH info	2168.
2169. - CHOICE *mode*	2170. TDD
2171. - CHOICE TDD option	2172. 3.84 Mcps TDD /REL-4/
2173. - CHOICE SyncCase	2174. Sync Case 2
2175. - Timeslot	2176. 0
2177. - Cell parameters ID	2178. Not Present
2179. - SCTD indicator	2180. FALSE
2181. - PRACH system information list	2182.
2183. - PRACH system information	2184.
2185. - PRACH info	2186.

2187.	- CHOICE mode	2188.	TDD
2189.	- CHOICE TDD option	2190.	3.84 Mcps TDD /REL-4/
2191.	- Timeslot number	2192.	14
2193.	- PRACH Channelisation Code List	2194.	
2195.	- CHOICE SF	2196.	SF8
2197.	- Channelisation Code List	2198.	
2199.	- Channelisation Code	2200.	8/1
2201.	- Channelisation Code	2202.	8/2
2203.	- Channelisation Code	2204.	8/3
2205.	- Channelisation Code	2206.	8/4
2207.	- PRACH Midamble	2208.	Direct
2209.	- Transport Channel Identity	2210.	15
2211.	- RACH TFS	2212.	
2213.	- CHOICE Transport channel type	2214.	Common transport channels
2215.	- Dynamic Transport format information	2216.	
2217.	- RLC size	2218.	Reference clause 6.10 Parameter Set
2219.	- Number of TB and TTI List	2220.	Reference clause 6.10 Parameter Set
2221.	- Number of Transport blocks	2222.	Reference clause 6.10 Parameter Set
2223.	- CHOICE Mode	2224.	TDD
2225.	- Transmission Time Interval	2226.	Not Present
2227.	- CHOICE Logical Channel List	2228.	Configured
2229.	- Semi-static Transport Format information	2230.	
2231.	- Transmission time interval	2232.	Reference clause 6.10 Parameter Set
2233.	- Type of channel coding	2234.	Reference clause 6.10 Parameter Set
2235.	- Coding Rate	2236.	Reference clause 6.10 Parameter Set
2237.	- Rate matching attribute	2238.	Reference clause 6.10 Parameter Set
2239.	- CRC size	2240.	Reference clause 6.10 Parameter Set
2241.	- RACH TFCS	2242.	Not present
2243.	- PRACH partitioning	2244.	
2245.	- Access Service Class	2246.	

2247. - ASC Settings	2248. (ASC#0)
2249. - CHOICE mode	2250. TDD
2251. - CHOICE TDD option	2252. 3.84 Mcps TDD /REL-4/
2253. - Available Channelisation codes indices	2254. Not Present (Default all)
2255. - CHOICE subchannel size	2256. Size1
2257. - Available Subchannels	2258. null
2259. - ASC Settings	2260. (ASC#1)
2261. - CHOICE mode	2262. TDD
2263. - CHOICE TDD option	2264. 3.84 Mcps TDD /REL-4/
2265. - Available Channelisation codes indices	2266. Not Present (Default all)
2267. - CHOICE subchannel size	2268. Size1
2269. - Available Subchannels	2270. null
2271. - ASC Settings	2272. (ASC#2)
2273. - CHOICE mode	2274. TDD
2275. - CHOICE TDD option	2276. 3.84 Mcps TDD /REL-4/
2277. - Available Channelisation codes indices	2278. Not Present (Default all)
2279. - CHOICE subchannel size	2280. Size1
2281. - Available Subchannels	2282. null
2283. - ASC Settings	2284. (ASC#3)
2285. - CHOICE mode	2286. TDD
2287. - CHOICE TDD option	2288. 3.84 Mcps TDD /REL-4/
2289. - Available Channelisation codes indices	2290. Not Present (Default all)
2291. - CHOICE subchannel size	2292. Size1
2293. - Available Subchannels	2294. null
2295. - ASC Settings	2296. (ASC#4)
2297. - CHOICE mode	2298. TDD
2299. - CHOICE TDD option	2300. 3.84 Mcps TDD /REL-4/
2301. - Available Channelisation codes indices	2302. Not Present (Default all)
2303. - CHOICE subchannel size	2304. Size1
2305. - Available Subchannels	2306. null
2307. - ASC Settings	2308. (ASC#5)
2309. - CHOICE mode	2310. TDD

2311. - Available Channelisation codes indices	2312. Not Present (Default all)
2313. - CHOICE subchannel size	2314. Size1
2315. - Available Subchannels	2316. null
2317. - ASC Settings	2318. (ASC#6)
2319. - CHOICE mode	2320. TDD
2321. - CHOICE TDD option	2322. 3.84 Mcps TDD /REL-4/
2323. - Available Channelisation codes indices	2324. Not Present (Default all)
2325. - CHOICE subchannel size	2326. Size1
2327. - Available Subchannels	2328. null
2329. - Persistence scaling factors	2330.
2331. - Access Service Class	2332.
2333. - Persistence scaling factor	2334. 0.9 (for ASC#2)
2335. - Persistence scaling factor	2336. 0.9 (for ASC#3)
2337. - Persistence scaling factor	2338. 0.9 (for ASC#4)
2339. - Persistence scaling factor	2340. 0.9 (for ASC#5)
2341. - Persistence scaling factor	2342. 0.9 (for ASC#6)
2343. - AC-to-ASC mapping	2344. Not Present
2345. - CHOICE *mode*	2346. TDD (no data)
2347. - Secondary CCPCH system information	2348.
2349. - Secondary CCPCH system information	2350.
2351. - Secondary CCPCH info	2352.
2353. - CHOICE *mode*	2354. TDD
2355. - Offset	2356. 0
2357. - Common timeslot info	2358.
2359. - 2nd interleaving mode	2360. Not Present (MD "Frame")
2361. - TFCI coding	2362. Reference clause 6.10 Parameter Set
2363. - Puncturing limit	2364. Reference clause 6.10 Parameter Set
2365. - Repetition period	2366. Not Present (MD "1")
2367. - Repetition length	2368. Not present
2369. - Individual timeslot info	2370.
2371. - CHOICE TDD option	2372. 3.84 Mcps TDD /REL-4/
2373. - Timeslot number	2374. 1

2375. - TFCI existence	2376. Reference clause 6.10 Parameter Set
2377. - Midamble Shift and burst type	2378.
2379. - CHOICE Burst Type	2380. Type 1
2381. - Midamble Allocation Mode	2382. Default midamble
2383. - Midamble configuration burst type 1 and 3	2384. 4
2385. - Midamble Shift	2386. Not Present
2387. - Code List	2388.
2389. - Channelisation Code	2390. Reference clause 6.10 Parameter Set
2391. - TFCS	2392. (This IE is repeated for TFC number for PCH and FACH.)
2393. - Normal	2394.
2395. - TFCI Field 1 information	2396.
2397. - CHOICE TFCS representation	2398. Complete reconfiguration
2399. - TFCS complete reconfiguration information	2400.
2401. - CHOICE CTFC Size	2402. Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.
2403. - CTFC information	2404. Reference clause 6.10 Parameter Set
2405. - Power offset information	2406. Not Present
2407. - FACH/PCH information	2408.
2409. - TFS	2410. (PCH)
2411. - CHOICE Transport channel type	2412. Common transport channels
2413. - Dynamic Transport format information	2414.
2415. - RLC Size	2416. Reference clause 6.10 Parameter Set
2417. - Number of TB and TTI List	2418. Reference clause 6.10 Parameter Set
2419. - Number of Transport blocks	2420. Reference clause 6.10 Parameter Set
2421. - CHOICE Mode	2422. TDD
2423. - Transmission Time Interval	2424. Reference clause 6.10 Parameter Set
2425. - CHOICE Logical Channel List	2426. ALL

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2427. - Semi-static Transport Format information	2428.
2429. - Transmission time interval	2430. Reference clause 6.10 Parameter Set
2431. - Type of channel coding	2432. Reference clause 6.10 Parameter Set
2433. - Coding Rate	2434. Reference clause 6.10 Parameter Set
2435. - Rate matching attribute	2436. Reference clause 6.10 Parameter Set
2437. - CRC size	2438. Reference clause 6.10 Parameter Set
2439. - Transport Channel Identity	2440. 12 (for PCH)
2441. - CTCH indicator	2442. FALSE
2443. - TFS	2444. (FACH)
2445. - CHOICE Transport channel type	2446. Common transport channels
2447. - Dynamic Transport format information	2448.
2449. - RLC Size	2450. Reference clause 6.10 Parameter Set
2451. - Number of TB and TTI List	2452. Reference clause 6.10 Parameter Set
2453. - Number of Transport blocks	2454. Reference clause 6.10 Parameter Set
2455. - CHOICE Mode	2456. TDD
2457. - Transmission Time Interval	2458. Reference clause 6.10 Parameter Set
2459. - CHOICE Logical Channel List	2460. ALL
2461. - Semi-static Transport Format information	2462.
2463. - Transmission time interval	2464. Reference clause 6.10 Parameter Set
2465. - Type of channel coding	2466. Reference clause 6.10 Parameter Set
2467. - Coding Rate	2468. Reference clause 6.10 Parameter Set
2469. - Rate matching attribute	2470. Reference clause 6.10 Parameter Set
2471. - CRC size	2472. Reference clause 6.10 Parameter Set
2473. - Transport Channel Identity	2474. 13 (for FACH)
2475. - TFS	2476. (FACH)
2477. - CHOICE Transport channel type	2478. Common transport channels
2479. - Dynamic Transport format information	2480. (This IE is repeated for TFI number.)
2481. - RLC Size	2482. Reference clause 6.10 Parameter Set
2483. - Number of TB and TTI List	2484. Reference clause 6.10 Parameter Set

2485. - Number of Transport blocks	2486. Reference clause 6.10 Parameter Set
2487. - CHOICE Mode	2488. TDD
2489. - CHOICE Logical Channel List	2490. ALL
2491. - Semi-static Transport Format information	2492.
2493. - Transmission time interval	2494. Reference clause 6.10 Parameter Set
2495. - Type of channel coding	2496. Reference clause 6.10 Parameter Set
2497. - Coding Rate	2498. Reference clause 6.10 Parameter Set
2499. - Rate matching attribute	2500. Reference clause 6.10 Parameter Set
2501. - CRC size	2502. Reference clause 6.10 Parameter Set
2503. - Transport Channel Identity	2504. 14 (for FACH)
2505. - CTCH indicator	2506. FALSE
2507. - CTCH indicator	2508. FALSE
2509. - PICH info	2510.
2511. - CHOICE *mode*	2512. TDD
2513. - CHOICE TDD option	2514. 3.84 Mcps TDD
2515. - Timeslot number	2516. 0
2517. - Midamble shift and burst type	2518.
2519. - CHOICE Burst Type	2520. Type 1
2521. - Midamble Shift	2522. 0
2523. - Channelisation code	2524. 16/16
2525. - Repetition period/length	2526. 64/2
2527. - Offset	2528. 0
2529. - Paging indicator length	2530. 4
2531. - N_{GAP}	2532. 4
2533. - N_{PCH}	2534. 2
2535. - CBS DRX Level 1 information	2536. Not Present

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

2537. - SIB6 indicator	2538. TRUE
2539. - PICH Power offset	2540. -5 dB
2541. - CHOICE Mode	2542. TDD

2543. - PUSCH system information	2544. Not Present
2545. - PDSCH system information	2546. Not Present
2547. - TDD open loop power control	2548.
2549. - Primary CCPCH Tx Power	2550. 30 dbm
2551. - CHOICE TDD option	2552. 1.28 Mcps TDD /REL-4/
2553. - no data	2554.
2555. - Primary CCPCH info	2556.
2557. - CHOICE *mode*	2558. TDD
2559. - CHOICE TDD option	2560. 1.28 Mcps TDD /REL-4/
2561. - TSTD indicator	2562. FALSE
2563. - Cell parameters ID	2564. Not Present
2565. - Block SCTD indicator	2566. FALSE
2567. - PRACH system information list	2568.
2569. - PRACH system information	2570.
2571. - PRACH info	2572.
2573. - CHOICE mode	2574. TDD
2575. - CHOICE TDD option	2576. 1.28 Mcps TDD /REL-4/
2577. - SYNC_UL info	2578.
2579. - SYNC_UL codes bitmap	2580. "11111111"
2581. - UL Target SIR	2582. 10 dB
2583. - Power Ramping Step	2584. 3 dB
2585. - Max SYNC_UL Transmissions	2586. 8
2587. - Mmax	2588. 32
2589. - PRACH definition	2590.
2591. - Timeslot number	2592.
2593. - CHOICE TDD option	2594. 1.28 Mcps TDD /REL-4/
2595. - Timeslot number	2596. 1
2597. - PRACH Channelisation Code List	2598.
2599. - Channelisation Code List	2600.
2601. - Channelisation Code	2602. (8/1)
2603. - Midamble Shift and	2604.

burst type	
2605. - CHOICE TDD option	2606. 1.28 Mcps TDD /REL-4/
2607. - Midamble Allocation Mode	2608. Default midamble
2609. - Midamble configuration	2610. 8
2611. - Midamble Shift	2612. Not present
2613. - FPACH info	2614.
2615. - Timeslot number	2616. 6
2617. - Channelisation code	2618. (16/16)
2619. - Midamble Shift and burst type	2620.
2621. - CHOICE TDD option	2622. 1.28 Mcps TDD /REL-4/
2623. - Midamble Allocation Mode	2624. Common Midamble
2625. - Midamble configuration	2626. 8
2627. - Midamble Shift	2628. Not present
2629. - WT	2630. 4
2631. - PNBSCH allocation	2632. Not Present /REL-4/
2633. - Transport Channel Identity	2634. 15
2635. - RACH TFS	2636.
2637. - CHOICE Transport channel type	2638. Common transport channels
2639. - Dynamic Transport format information	2640.
2641. - RLC size	2642. Reference clause 6.10 Parameter Set
2643. - Number of TB and TTI List	2644. Reference clause 6.10 Parameter Set
2645. - Number of Transport blocks	2646. Reference clause 6.10 Parameter Set
2647. - CHOICE Mode	2648. TDD
2649. - Transmission Time Interval	2650. Not Present
2651. - CHOICE Logical Channel List	2652. Configured
2653. - Semi-static Transport Format information	2654.
2655. - Transmission time interval	2656. Reference clause 6.10 Parameter Set

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2657.	- Type of channel coding	2658.	Reference clause 6.10 Parameter Set
2659.	- Coding Rate	2660.	Reference clause 6.10 Parameter Set
2661.	- Rate matching attribute	2662.	Reference clause 6.10 Parameter Set
2663.	- CRC size	2664.	Reference clause 6.10 Parameter Set
2665.	- RACH TFCS	2666.	Not present
2667.	- PRACH partitioning	2668.	
2669.	- Access Service Class	2670.	
2671.	- ASC Settings	2672.	(ASC#0)
2673.	- CHOICE mode	2674.	TDD
2675.	- CHOICE TDD option	2676.	1.28 Mcps TDD
2677.	- Available SYNC_UL codes indices	2678.	"111111111"
2679.	- CHOICE subchannel size	2680.	Size1
2681.	- Available Subchannels	2682.	Null
2683.	- ASC Settings	2684.	(ASC#1)
2685.	- CHOICE mode	2686.	TDD
2687.	- CHOICE TDD option	2688.	1.28 Mcps TDD
2689.	- Available SYNC_UL codes indices	2690.	"111111111"
2691.	- CHOICE subchannel size	2692.	Size1
2693.	- Available Subchannels	2694.	Null
2695.	- ASC Settings	2696.	(ASC#2)
2697.	- CHOICE mode	2698.	TDD
2699.	- CHOICE TDD option	2700.	1.28 Mcps TDD
2701.	- Available SYNC_UL codes indices	2702.	"111111111"
2703.	- CHOICE subchannel size	2704.	Size1
2705.	- Available Subchannels	2706.	Null
2707.	- ASC Settings	2708.	(ASC#3)
2709.	- CHOICE mode	2710.	TDD
2711.	- CHOICE TDD option	2712.	1.28 Mcps TDD
2713.	- Available SYNC_UL codes indices	2714.	"111111111"
2715.	- CHOICE subchannel size	2716.	Size1

2717. - Available Subchannels	2718. Null	
2719. - ASC Settings	2720. (ASC#4)	
2721. - CHOICE mode	2722. TDD	
2723. - CHOICE TDD option	2724. 1.28 Mcps TDD	
2725. - Available SYNC_UL codes indices	2726. "111111111"	
2727. - CHOICE subchannel size	2728. Size1	
2729. - Available Subchannels	2730. Null	
2731. - ASC Settings	2732. (ASC#5)	
2733. - CHOICE mode	2734. TDD	
2735. - CHOICE TDD option	2736. 1.28 Mcps TDD	
2737. - Available SYNC_UL codes indices	2738. "111111111"	
2739. - CHOICE subchannel size	2740. Size1	
2741. - Available Subchannels	2742. Null	
2743. - ASC Settings	2744. (ASC#6)	
2745. - CHOICE mode	2746. TDD	
2747. - CHOICE TDD option	2748. 1.28 Mcps TDD	
2749. - Available SYNC_UL codes indices	2750. "111111111"	
2751. - CHOICE subchannel size	2752. Size1	
2753. - Available Subchannels	2754. Null	
2755. - Access Service Class	2756.	
2757. - Persistence scaling factor	2758. 0.9 (for ASC#2)	
2759. - Persistence scaling factor	2760. 0.9 (for ASC#3)	
2761. - Persistence scaling factor	2762. 0.9 (for ASC#4)	
2763. - Persistence scaling factor	2764. 0.9 (for ASC#5)	
2765. - Persistence scaling factor	2766. 0.9 (for ASC#6)	
2767. - AC-to-ASC mapping	2768. Not Present	
2769. - CHOICE *mode*	2770. TDD (no data)	
2771. - Secondary CCPCH system information	2772.	
2773. - Secondary CCPCH system information	2774.	
2775. - Secondary CCPCH info	2776.	

2777.	- CHOICE *mode*	2778. TDD
2779.	- Offset	2780. 0
2781.	- Common timeslot info	2782.
2783.	- 2nd interleaving mode	2784. Frame
2785.	- TFCI coding	2786. Reference clause 6.10 Parameter Set
2787.	- Puncturing limit	2788. Reference clause 6.10 Parameter Set
2789.	- Repetition period	2790. 1
2791.	- Repetition length	2792. 0
2793.	- Individual timeslot info	2794.
2795.	- CHOICE *TDD option*	2796. 1.28 Mcps TDD
2797.	- Timeslot number	2798. 0
2799.	- TFCI existence	2800. Reference clause 6.10 Parameter Set
2801.	- Midamble Shift and burst type	2802.
2803.	- CHOICE *TDD option*	2804. 1.28 Mcps TDD
2805.	- Midamble Allocation Mode	2806. Default midamble
2807.	- Midamble configuration	2808. 4
2809.	- Midamble Shift	2810. Not Present
2811.	- CHOICE *TDD option*	2812. 1.28 Mcps TDD
2813.	- Modulation	2814. Reference clause 6.10 Parameter Set
2815.	- SS-TPC Symbols	2816. Reference clause 6.10 Parameter Set
2817.	- Code List	2818.
2819.	- Channelisation Code	2820. Reference clause 6.10 Parameter Set
2821.	- TFCS	2822. Reference clause 6.10 Parameter Set
2823.	- Normal	2824.
2825.	- TFCI Field 1 information	2826.
2827.	- CHOICE TFCS representation	2828. Complete reconfiguration
2829.	- TFCS complete reconfiguration information	2830.
2831.	- CHOICE CTFC Size	2832. Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.
2833.	- CTFC information	2834. Reference clause 6.10 Parameter Set
2835.	- Power offset information	2836. Not Present

2837. - FACH/PCH information	2838.	
2839. - Transport Channel Identity	2840. 12 (for PCH)	
2841. - TFS	2842. (PCH)	
2843. - CHOICE Transport channel type	2844. Common transport channels	
2845. - Dynamic Transport format information	2846.	
2847. - RLC Size	2848. Reference clause 6.10 Parameter Set	
2849. - Number of TB and TTI List	2850. Reference clause 6.10 Parameter Set	
2851. - Number of Transport blocks	2852. Reference clause 6.10 Parameter Set	
2853. - CHOICE Mode	2854. TDD	
2855. - Transmission Time Interval	2856. Not Present	
2857. - CHOICE Logical Channel List	2858. ALL	
2859. - Semi-static Transport Format information	2860.	
2861. - Transmission time interval	2862. Reference clause 6.10 Parameter Set	
2863. - Type of channel coding	2864. Reference clause 6.10 Parameter Set	
2865. - Coding Rate	2866. Reference clause 6.10 Parameter Set	
2867. - Rate matching attribute	2868. Reference clause 6.10 Parameter Set	
2869. - CRC size	2870. Reference clause 6.10 Parameter Set	
2871. - Transport Channel Identity	2872. 13 (for FACH)	
2873. - TFS	2874. (FACH)	
2875. - CHOICE Transport channel type	2876. Common transport channels	
2877. - Dynamic Transport format information	2878.	
2879. - RLC Size	2880. Reference clause 6.10 Parameter Set	
2881. - Number of TB and TTI List	2882. Reference clause 6.10 Parameter Set	
2883. - Number of Transport blocks	2884. Reference clause 6.10 Parameter Set	
2885. - CHOICE Mode	2886. TDD	
2887. - Transmission Time Interval	2888. Not Present	
2889. - CHOICE Logical	2890. ALL	

Channel List	
2891. - Semi-static Transport Format information	2892.
2893. - Transmission time interval	2894. Reference clause 6.10 Parameter Set
2895. - Type of channel coding	2896. Reference clause 6.10 Parameter Set
2897. - Coding Rate	2898. Reference clause 6.10 Parameter Set
2899. - Rate matching attribute	2900. Reference clause 6.10 Parameter Set
2901. - CRC size	2902. Reference clause 6.10 Parameter Set
2903. - CTCH indicator	2904. FALSE
2905. - PICH info	2906.
2907. - CHOICE *mode*	2908. TDD
2909. - CHOICE TDD option	2910. 1.28 Mcps TDD
2911. - Timeslot number	2912. 0
2913. - Midamble shift and burst type	2914.
2915. - Midamble Allocation Mode	2916. Default midamble
2917. - Midamble configuration	2918. 8
2919. - Midamble Shift	2920. Not Present
2921. - Channelisation code list	2922.
2923. - Channelisation code	2924. (16/1)
2925. - Channelisation code	2926. (16/2)
2927. - Repetition period/length	2928. 64/2
2929. - Offset	2930. 0
2931. - Paging indicator length	2932. 4
2933. - N_{GAP}	2934. 4
2935. - N_{PCH}	2936. 2
2937. - CBS DRX Level 1 information	2938. Not Present

Contents of System Information Block type 7 (FDD)

2939. CHOICE Mode	2940. FDD
2941. - UL interference	2942. -100dBm
2943. - PRACHs listed in system information block type5	2944.
2945. - Dynamic persistence level	2946. 2

2947. - PRACHs listed in system information block type6	2948.
2949. - Dynamic persistence level	2950. 2
2951. - Expiration Time Factor	2952. Not Present – use default value of 1

Contents of System Information Block type 7 (TDD)

2953. CHOICE Mode	2954. TDD
2955. PRACHs listed in system information block type5	2956.
2957. - Dynamic persistence level	2958. 2
2959. PRACHs listed in system information block type6	2960.
2961. - Dynamic persistence level	2962. 2
2963. Expiration Time Factor	2964. Not Present – use default value of 1

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

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

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

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

Contents of System Information Block type 11 (FDD)

This is the default message content of SIB 11 for cell 1.

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

2965. - SIB12 indicator		2967. TRUE
2968. - FACH measurement occasion info		2970. Not Present
2971. - Measurement control system information		2973.
2974. - Use of HCS		2976. Not used
2977. - Cell selection and reselection quality measure		2979. CPICH RSCP

2980. - Intra-frequency measurement system information	2982.
2983. - Intra-frequency measurement identity	2985. Not Present
	2986. Absence of this IE is equivalent to default value 1
2987. - Intra-frequency cell info list	2989.
2990. - CHOICE intra-frequency cell removal	2992. Not present
	2993. (This IE shall be ignored by the UE for SIB11)
2994. - New intra-frequency cells	2996.
2997. - Intra-frequency cell id	2999. 1
3000. - Cell info	3002.
3003. - Cell individual offset	3005. Not present
	3006. Absence of this IE is equivalent to default value 0dB
3007. - Reference time difference to cell	3009. Not Present
3010. - Read SFN indicator	3012. FALSE
3013. - CHOICE mode	3015. FDD
3016. - Primary CPICH info	3018.
3019. - Primary scrambling code	3021. Refer to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1.4
3022. - Primary CPICH TX power	3024. Not Present
3025. - TX Diversity indicator	3027. FALSE
3028. - Cell Selection and Re-selection info	3030. Not Present (The IE shall be absent as this is the serving cell)
3031. - Intra-frequency cell id	3033. 2
3034. - Cell info	3036.
3037. - Cell individual offset	3039. Not present
	3040. Absence of this IE is equivalent to default value 0dB
3041. - Reference time difference to cell	3043. Not present
3044. - Read SFN indicator	3046. TRUE

3047.	- CHOICE mode	3049.	FDD
3050.	- Primary CPICH info	3052.	
3053.	- Primary scrambling code	3055.	Refer to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1.4
3056.	- Primary CPICH TX power	3058.	Not Present
3059.	- TX Diversity indicator	3061.	FALSE
3062.	- Cell Selection and Re-selection info	3064.	Not present
		3065.	For neigbouring cell, if HCS is not used and all the parameters in cell selection and re-selection info are Default value, this IE is absent.
3066.	- Intra-frequency cell id	3068.	3
3069.	- Cell info	3071.	Same content as specified for Intra-frequency cell id=2 with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1.4
3072.	- Intra-frequency cell id	3074.	7
3075.	- Cell info	3077.	Same content as specified for Intra-frequency cell id=2 with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1.4
3078.	- Intra-frequency cell id	3080.	8
3081.	- Cell info	3083.	Same content as specified for Intra-frequency cell id=2 with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1.4
3084.	- Cells for measurement	3086.	Not Present
3087.	- Intra-frequency measurement quantity	3089.	

3090. - Filter coefficient		3092. Not present
		3093. Absence of this IE is equivalent to the default value 0
3094. - CHOICE mode		3096. FDD
3097. - Measurement quantity		3099. CPICH RSCP
3100. - Intra-frequency reporting quantity for RACH Reporting		3102. Not Present
3103. - Maximum number of reported cells on RACH		3105. Not Present
3106. - Reporting information for state CELL_DCH		3108.
3109. - Intra-frequency reporting quantity		3111.
3112. - Reporting quantities for active set cells		3114.
3115. - SFN-SFN observed time difference type		3117. No report
3118. - Cell synchronisation information reporting indicator		3120. FALSE
3121. - Cell identity reporting indicator		3123. TRUE
3124. - CHOICE mode		3126. FDD
3127. - CPICH Ec/N0 reporting indicator		3129. FALSE
3130. - CPICH RSCP reporting indicator		3132. TRUE
3133. - Pathloss reporting indicator		3135. FALSE
3136. - Reporting quantities for monitored set cells		3138.
3139. - SFN-SFN observed time difference type		3141. No report
3142. - Cell synchronisation information reporting indicator		3144. TRUE
3145. - Cell identity reporting indicator		3147. TRUE
3148. - CHOICE mode		3150. FDD
3151. - CPICH Ec/N0 reporting indicator		3153. FALSE
3154. - CPICH RSCP reporting indicator		3156. TRUE
3157. - Pathloss reporting indicator		3159. FALSE

3160. - Reporting quantities for detected set cells	3162. Not Present
3163. - Measurement reporting mode	3165.
3166. - Measurement Report Transfer Mode	3168. Acknowledged mode RLC
3169. - Periodic Reporting/Event Trigger Reporting Mode	3171. Event trigger
3172. - CHOICE report criteria	3174. Intra-frequency measurement reporting criteria
3175. - Intra-frequency measurement reporting criteria	3177.
3178. - Parameters required for each event	3180. 3 kinds
3181. - Intra-frequency event identity	3183. 1a
3184. - Triggering condition 1	3186. Not Present
3187. - Triggering condition 2	3189. Monitored set cells
3190. - Reporting Range Constant	3192. 5dB
3193. - Cells forbidden to affect Reporting range	3195. Not Present
3196. - W	3198. 1.0
3199. - Hysteresis	3201. 0.0
3202. - Threshold Used Frequency	3204. Not Present
3205. - Reporting deactivation threshold	3207. 2
3208. - Replacement activation threshold	3210. Not Present
3211. - Time to trigger	3213. 640
3214. - Amount of reporting	3216. 4
3217. - Reporting interval	3219. 4000
3220. - Reporting cell status	3222.
3223. - CHOICE reported cell	3225. Report cell within active set and/or monitored set cells on used frequency
3226. - Maximum number of reported cells	3228. 3
3229. - Intra-frequency event identity	3231. 1b
3232. - Triggering condition 1	3234. Active set cells
3235. - Triggering condition 2	3237. Not Present

3238.	- Reporting Range Constant	3240. 5dB
3241.	- Cells forbidden to affect Reporting range	3243. Not Present
3244.	- W	3246. 1.0
3247.	- Hysteresis	3249. 0.0
3250.	- Threshold Used Frequency	3252. Not Present
3253.	- Reporting deactivation threshold	3255. Not Present
3256.	- Replacement activation threshold	3258. Not Present
3259.	- Time to trigger	3261. 640
3262.	- Amount of reporting	3264. Not Present
3265.	- Reporting interval	3267. Not Present
3268.	- Reporting cell status	3270.
3271.	- CHOICE reported cell	3273. Report cell within active set and/or monitored set cells on used frequency
3274.	- Maximum number of reported cells	3276. 3
3277.	- Intra-frequency event identity	3279. 1c
3280.	- Triggering condition 1	3282. Not Present
3283.	- Triggering condition 2	3285. Not Present
3286.	- Reporting Range Constant	3288. Not Present
3289.	- Cells forbidden to affect Reporting range	3291. Not Present
3292.	- W	3294. Not Present
3295.	- Hysteresis	3297. 0.0
3298.	- Threshold Used Frequency	3300. Not Present
3301.	- Reporting deactivation threshold	3303. Not Present
3304.	- Replacement activation threshold	3306. 3
3307.	- Time to trigger	3309. 640
3310.	- Amount of reporting	3312. 4
3313.	- Reporting interval	3315. 4000
3316.	- Reporting cell status	3318.
3319.	- CHOICE reported cell	3321. Report cell within active set and/or monitored set cells on used frequency

3322.	- Maximum number of reported cells	3324.	3
3325.	**- Inter-frequency measurement system information**	3327.	
3328.	- Inter-frequency cell info list	3330.	
3331.	- CHOICE Inter-frequency cell removal	3333.	Not present
		3334.	(This IE shall be ignored by the UE for SIB11)
3335.	- New inter-frequency cells	3337.	
3338.	- Inter frequency cell id	3340.	4
3341.	- Frequency info	3343.	
3344.	- CHOICE mode	3346.	FDD
3347.	- UARFCN uplink(Nu)	3349.	Not present
		3350.	Absence of this IE is equivalent to apply the default duplex distance defined for the operating frequency according to 25.101
3351.	- UARFCN downlink(Nd)	3353.	Reference to table 6.1.2 for Cell 4
3354.	- Cell info	3356.	
3357.	- Cell individual offset	3359.	Not present
		3360.	Absence of this IE is equivalent to default value 0dB
3361.	- Reference time difference to cell	3363.	Not present
3364.	- Read SFN indicator	3366.	FALSE
3367.	- CHOICE mode	3369.	FDD
3370.	- Primary CPICH info	3372.	
3373.	- Primary scrambling code	3375.	Refer to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1.4
3376.	- Primary CPICH Tx power	3378.	Not present
3379.	- TX Diversity Indicator	3381.	FALSE
3382.	- Cell Selection and Re-selection Info	3384.	Not present (same values as for serving cell applies)
3385.	- Inter frequency cell id	3387.	5

3388. - Frequency info		3390. Not Present
		3391. Absence of this IE is equivalent to value of the previous "frequency info" in the list.
3392. - Cell info		3394. Same content as specified for Inter-frequency cell id=4 with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1.4
3395. - Inter frequency cell id		3397. 6
3398. - Frequency info		3400. Not Present
		3401. Absence of this IE is equivalent to value of the previous "frequency info" in the list.
3402. - Cell info		3404. Same content as specified for Inter-frequency cell id=4 with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1.4
3405. - Cell for measurement		3407. Not present
3408. - Inter-RAT measurement system information		3410. Not Present
3411. **- Inter-RAT measurement system information**		3413.
3414. **- Inter-RAT cell info list**		3416.
3417. - CHOICE *Inter-RAT cell removal*		3419. Not Present (This IE shall be ignored by the UE for SIB11)
3420. - New inter-RAT cells		3422.
3423. - Inter-RAT cell id		3425. 9
3426. - CHOICE *Radio Access Technology*		3428. GSM
3429. - GSM		3431.
3432. - Cell individual offset		3434. 0
3435. - Cell selection and re-selection info		3437. Not Present
3438. - BSIC		3440.
3441. - Base transceiver Station Identity Code (BSIC)		3443. Reference to table 6.1.10 for Cell 9
3444. - Band indicator		3446. According to PICS/PIXIT
3447. - BCCH ARFCN		3449. Reference to table 6.1.10 for Cell 9

3450.	- Inter-RAT cell id	3452.	10
3453.	- CHOICE *Radio Access Technology*	3455.	GSM
3456.	- GSM	3458.	
3459.	- Cell individual offset	3461.	0
3462.	- Cell selection and re-selection info	3464.	Not Present
3465.	- BSIC	3467.	
3468.	- Base transceiver Station Identity Code (BSIC)	3470.	Reference to table 6.1.10 for Cell 10
3471.	- Band indicator	3473.	According to PICS/PIXITs
3474.	- BCCH ARFCN	3476.	Reference to table 6.1.10 for Cell 10
3477.	- Cell for measurement	3479.	Not present
3480.	- Traffic volume measurement system information	3482.	Not Present

Condition		Explanation	
3483.	A1	3484.	FDD cell environment
3485.	A2	3486.	FDD/GSM inter-RAT cell environment

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

This is the default message content of SIB 11 for cell 1.

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

3487.	- SIB 12 Indicator	3489.	TRUE
3490.	- FACH measurement occasion info	3492.	Not Present
3493.	- Measurement control system information	3495.	
3496.	- Use of HCS	3498.	Not used
3499.	- Cell selection and reselection quality measureCell	3501.	(no data)

3502. - Intra-frequency measurement system information	3504.
3505. - Intra-frequency measurement identity	3507. Not Present
	3508. Absence of this IE is equivalent to default value 1
3509. - Intra-frequency cell info list	3511.
3512. - CHOICE intra-frequency cell removal	3514. Not present
	3515. (This IE shall be ignored by the UE for SIB11)
3516. - New intra-frequency cells	3518.
3519. - Intra-frequency cell id	3521. 1
3522. - Cell info	3524.
3525. - Cell individual offset	3527. Not present
	3528. Absence of this IE is equivalent to default value 0dB
3529. - Reference time difference to cell	3531. Not Present
3532. - Read SFN Indicator	3534. FALSE
3535. - CHOICE mode	3537. TDD
3538. - Primary CCPCH info	3540.
3541. - Cell parameters ID	3543. Reference clause 6.1.4 Default settings for cell
3544. - Primary CCPCH TX power	3546. Not Present
3547. - Timeslot list	3549. Not Present
3550. - CHOICE TDD option	3552.
3553. - 3.84 Mcps TDD	3555.
3556. - Timeslot number	3558. Not Present
3559. - Burst type	3561. Not Present
3562. - 1.28 Mcps TDD	3564.
3565. - Timeslot number	3567. Not Present
3568. - Cell Selection and Re-selection info	3570. Not Present
	3571. (The IE shall be absent as this is the serving cell)

3572. - Cell for measurement	3574. Not Present
3575. - Intra-frequency measurement quantity	3577.
3578. - Filter coefficient	3580. Not present
	3581. Absence of this IE is equivalent to the default value 0
3582. - CHOICE mode	3584. TDD
3585. - Measurement quantity list	3587.
3588. - Measurement quantity	3590. P-CCPCH RSCP
3591. - Intra-frequency reporting quantity for RACH Reporting	3593. Not Present
3594. - Maximum number of reported cells on RACH	3596. Not Present
3597. - Reporting information for state CELL_DCH	3599.
3600. - Intra-frequency reporting quantity	3602.
3603. - Reporting quantities for active set cells	3605.
3606. - Cell synchronisation information reporting indicator	3608. TRUE
3609. - Cell identity reporting indicator	3611. TRUE
3612. - CHOICE mode	3614. TDD
3615. - Timeslot ISCP reporting indicator	3617. FALSE
3618. - Proposed TSGN reporting required	3620. FALSE
3621. - P-CCPCH RSCP reporting indicator	3623. TRUE
3624. - Pathloss reporting indicator	3626. FALSE
3627. - Reporting quantities for monitored set cells	3629.
3630. - Cell synchronisation information reporting indicator	3632. FALSE

3633. - Cell identity reporting indicator

3635. TRUE

3636. - CHOICE mode

3638. TDD

3639. - Timeslot ISCP reporting indicator

3641. FALSE

3642. - Proposed TSGN reporting required

3644. FALSE

3645. - P-CCPCH RSCP reporting indicator

3647. TRUE

3648. - Pathloss reporting indicator

3650. FALSE

3651. - Reporting quantities for detected set cells

3653. Not Present

3654. - Measurement reporting mode

3656.

3657. - Measurement Report Transfer Mode

3659. Acknowledged mode RLC

3660. - Periodical Reporting / Event Trigger Reporting Mode

3662. Event trigger

3663. -CHOICE report criteria

3665.

3666. - Intra-frequency measurement reporting criteria

3668.

3669. - Parameters required for each event

3671.

3672. - Intra-frequency event identity

3674. 1g

3675. - Triggering condition1

3677. Not Present

3678. - Triggering condition2

3680. Not Present

3681. - Reporting Range

3683. Not Present

3684. - cells forbidden to affect reporting range

3686. Not Present

3687. - W(optional in case of 1a,1b)

3689. Not Present

3690. - Hysteresis

3692. 0.0

3693. - Threshold used frequency

3695. Not Present

3696. - Reporting deactivation threshold

3698. 3

3699. - Replacement activation threshold

3701. Not Present

3702. - Time to trigger

3704. 640

3705. - Amount of reporting

3707. 4

3708. - Reporting interval

3710. 4000

3711. - Reporting cell status

3713.

3714.	- CHOICE reported cells	3716.	Report cell within active set and/or monitored cells on used frequency
3717.	- Maximum number of reported cells	3719.	3
3720.	- Inter-frequency measurement system information	3722.	
3723.	- Inter-frequency cell info list	3725.	
3726.	- CHOICE Inter-frequency cell removal	3728.	Not present
		3729.	(This IE shall be ignored by the UE for SIB11)
3730.	- New inter-frequency cells	3732.	
3733.	- Inter frequency cell id	3735.	4
3736.	- Frequency info	3738.	
3739.	- CHOICE mode	3741.	TDD
3742.	- UARFCN (Nt)	3744.	Reference to table 6.1.2 for Cell 4
3745.	- Cell info	3747.	
3748.	- Cell individual offset	3750.	Not present
		3751.	Absence of this IE is equivalent to default value 0dB
3752.	- Reference time difference to cell	3754.	Not present
3755.	- Cell individual offset	3757.	Not present
		3758.	Absence of this IE is equivalent to default value 0dB
3759.	- Reference time difference to cell	3761.	Not present
3762.	- Read SFN indicator	3764.	FALSE
3765.	- CHOICE mode	3767.	TDD
3768.	- Primary CCPCH info	3770.	Refer to clause titled "Default settings for cell No.4 (TDD)" in clause 6.1.4
3771.	- Primary CCPCH Tx power	3773.	Not present
3774.	- TX Diversity Indicator	3776.	FALSE
3777.	- Cell Selection and Re-selection Info	3779.	Not present (same values as for serving cell applies)
3780.	- Inter frequency cell id	3782.	5

3783. - Frequency info	3785. Not Present
	3786. Absence of this IE is equivalent to value of the previous "frequency info" in the list.
3787. - Cell info	3789. Same content as specified for Inter-frequency cell id=4 with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.5 (TDD)" in clause 6.1.4
3790. - Inter frequency cell id	3792. 6
3793. - Frequency info	3795. Not Present
	3796. Absence of this IE is equivalent to value of the previous "frequency info" in the list.
3797. - Cell info	3799. Same content as specified for Inter-frequency cell id=4 with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.6 (TDD)" in clause 6.1.4
3800. - Cell for measurement	3802. Not present
3803. - Inter-RAT measurement system information	3805. Not Present
3806. - Inter-RAT measurement system information	3808.
3809. - Inter-RAT cell info list	3811.
3812. - CHOICE *Inter-RAT cell removal*	3814. Not Present (This IE shall be ignored by the UE for SIB11)
3815. - New inter-RAT cells	3817.
3818. - Inter-RAT cell id	3820. 9
3821. - CHOICE *Radio Access Technology*	3823. GSM
3824. - GSM	3826.
3827. - Cell individual offset	3829. 0
3830. - Cell selection and re-selection info	3832. Not Present
3833. - BSIC	3835.
3836. - Base transceiver Station Identity Code (BSIC)	3838. Reference to table 6.1.10 for Cell 9
3839. - Band indicator	3841. According to PICS/PIXIT
3842. - BCCH ARFCN	3844. Reference to table 6.1.10 for Cell 9
3845. - Inter-RAT cell id	3847. 10

3848. - CHOICE *Radio Access Technology*	3850. GSM
3851. - GSM	3853.
3854. - Cell individual offset	3856. 0
3857. - Cell selection and re-selection info	3859. Not Present
3860. - BSIC	3862.
3863. - Base transceiver Station Identity Code (BSIC)	3865. Reference to table 6.1.10 for Cell 10
3866. - Band indicator	3868. According to PICS/PIXITs
3869. - BCCH ARFCN	3871. Reference to table 6.1.10 for Cell 10
3872. - Cell for measurement	3874. Not present
3875. - Traffic volume measurement system information	3877. Not Present

Condition	Explanation
3878. A1	3879. TDD cell environment
3880. A2	3881. TDD/GSM inter-RAT cell environment

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

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

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

3882. - FACH measurement occasion info	3883. Not Present
3884. - Measurement control system information	3885.
3886. - Use of HCS	3887. Not used
3888. - Cell selection and reselection quality measure	3889. CPICH RSCP
3890. - Intra-frequency measurement system information	3891. Not Present
3892. - Inter-frequency measurement system information	3893. Not Present
3894. - Inter-RAT measurement system information	3895. Not Present

3896. - Traffic volume measurement system information	3897. Not Present

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

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

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

3898. - FACH measurement occasion info	3899. Not Present
3900. - Measurement control system information	3901.
3902. - Use of HCS	3903. Not used
3904. - Cell selection and reselection quality measure	3905. (no data)
3906. - Intra-frequency measurement system information	3907. Not Present
3908. - Inter-RAT measurement system information	3909. Not Present
3910. - Traffic volume measurement system information	3911. Not Present

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

3912. - CN Domain system information list	3913.
3914. - CN Domain system information	*3915. For Packet-Switched domain*
3916. - CN domain identity	3917. PS
3918. - CHOICE CN Type	3919. ANSI-41
3920. - CN domain specific NAS system information	3921.
3922. - NAS (ANSI-41) system information	3923. T.B.D
3924. - CN domain specific DRX cycle length coefficient	3925. 7
3926. - CN Domain system information	*3927. For Circuit-Switched domain*
3928. - CN domain identity	3929. CS
3930. - CHOICE CN Type	3931. ANSI-41
3932. - CN domain specific NAS system information	3933.

3934. - NAS (ANSI-41) system information	3935. T.B.D
3936. - CN domain specific DRX cycle length coefficient	3937. 7
3938. - UE timers and constants in idle mode	3939.
3940. - T300	3941. 400 milliseconds
3942. - N300	3943. 7
3944. - T312	3945. 10 seconds
3946. - N312	3947. 200
3948. - Capability update requirement	3949.
3950. - UE radio access FDD capability update requirement	3951. TRUE
3952. - UE radio access TDD capability update requirement	3953. FALSE
3954. - System specific capability update requirement list	3955. Not Present

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

3956. - Individual Timeslot interference list	3957.
3958. - Individual Timeslot interference	3959.
3960. - Timeslot number	3961. 2
3962. - UL Timeslot Interference	3963. -90 dbm
3964. - Individual Timeslot interference	3965.
3966. - Timeslot number	3967. 3
3968. - UL Timeslot Interference	3969. -90 dbm
3970. - Individual Timeslot interference	3971.
3972. - Timeslot number	3973. 4
3974. - UL Timeslot Interference	3975. -90 dbm
3976. - Individual Timeslot interference	3977.
3978. - Timeslot number	3979. 5
3980. - UL Timeslot Interference	3981. -90 dbm
3982. - Individual Timeslot interference	3983.

3984.　- Timeslot number	3985. 6
3986.　- UL Timeslot Interference	3987. -90 dbm
3988.　- Individual Timeslot interference	3989.
3990.　- Timeslot number	3991. 7
3992.　- UL Timeslot Interference	3993. -90 dbm
3994.　- Individual Timeslot interference	3995.
3996.　- Timeslot number	3997. 9
3998.　- UL Timeslot Interference	3999. -90 dbm
4000.　- Individual Timeslot interference	4001.
4002.　- Timeslot number	4003. 10
4004.　- UL Timeslot Interference	4005. -90 dbm
4006.　- Individual Timeslot interference	4007.
4008.　- Timeslot number	4009. 11
4010.　- UL Timeslot Interference	4011. -90 dbm
4012.　- Individual Timeslot interference	4013.
4014.　- Timeslot number	4015. 12
4016.　- UL Timeslot Interference	4017. -90 dbm
4018.　- Individual Timeslot interference	4019.
4020.　- Timeslot number	4021. 13
4022.　- UL Timeslot Interference	4023. -90 dbm
4024.　- Individual Timeslot interference	4025.
4026.　- Timeslot number	4027. 14
4028.　- UL Timeslot Interference	4029. -90 dbm
4030.　- Expiration Time Factor	4031. Not Present (MD "1")

Contents of System Information Block type 16

4032.　- Predefined RB configuration	4033. [FFS]
4034.　- Predefined TrCh configuration	4035. [FFS]
4036.　- Predefined Phy configuration	4037. [FFS]

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

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

Contents of System Information Block type 18

4038. - Idle mode PLMN identities	4039.
4040. - PLMNs of intra-frequency cells list	4041.
4042. - PLMN identity	4043. Set to the same value as indicated in MIB
4044. - PLMNs of inter-frequency cells list	4045. Not present
4046. - PLMNs of inter-RAT cells list	4047. Not present
4048. - Connected mode PLMN identities	4049. 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)

4050. - SIB6 indicator	4051. TRUE
4052. - PICH Power offset	4053. -5 dB
4054. - CHOICE Mode	4055. FDD
4056. - AICH Power offset	4057. 5 dB
4058. - Primary CCPCH info	4059. Not Present
4060. - PRACH system information list	4061.
4062. - PRACH system information	4063.
4064. - PRACH info	4065.
4066. - CHOICE mode	4067. FDD
4068. - Available Signature	4069. '0000 0000 1111 1111'B
4070. - Available SF	4071. 64
4072. - Preamble scrambling code number	4073. 0

4074. - Puncturing Limit	4075. 1.00
4076. - Available Sub Channel number	4077. '1111 1111 1111'B
4078. - Transport Channel Identity	4079. 15
4080. - RACH TFS	4081.
4082. - CHOICE Transport channel type	4083. Common transport channels
4084. - Dynamic Transport format information	4085.
4086. - RLC size	4087. 168
4088. - Number of TB and TTI List	4089.
4090. - Number of Transport blocks	4091. 1
4092. - CHOICE Mode	4093. FDD
4094. - CHOICE Logical Channel List	4095. Configured
4096. - RLC size	4097. 360
4098. - Number of TB and TTI List	4099.
4100. - Number of Transport blocks	4101. 1
4102. - CHOICE Mode	4103. FDD
4104. - CHOICE Logical Channel List	4105. Configured
4106. - Semi-static Transport Format information	4107.
4108. - Transmission time interval	4109. 20 ms
4110. - Type of channel coding	4111. Convolutional
4112. - Coding Rate	4113. ½
4114. - Rate matching attribute	4115. 150
4116. - CRC size	4117. 16
4118. - RACH TFCS	4119.
4120. - CHOICE TFCI signalling	4121. Normal
4122. - TFCI Field 1 information	4123.
4124. - CHOICE TFCS representation	4125. Complete reconfiguration
4126. - TFCS complete reconfiguration information	4127.
4128. - CHOICE CTFC Size	4129. 2 bit

4130.　　- CTFC information	4131. 0
4132.　　- Power offset information	4133.
4134.　　- CHOICE Gain Factors	4135. Computed Gain Factor
4136.　　- Reference TFC ID	4137. 0
4138.　　- CHOICE Mode	4139. FDD
4140.　　- Power offset Pp-m	4141. 0 dB
4142.　　- CTFC information	4143. 1
4144.　　- Power offset information	4145.
4146.　　- CHOICE Gain Factors	4147. Signalled Gain Factor
4148.　　- CHOICE mode	4149. FDD
4150.　　- Gain factor ßc	4151. 11
4152.　　- Gain factor ßd	4153. 15
4154.　　- Reference TFC ID	4155. 0
4156.　　- CHOICE Mode	4157. FDD
4158.　　- Power offset Pp-m	4159. 0 dB
4160.　- PRACH partitioning	4161.
4162.　- Access Service Class	4163.
4164.　　- ASC Setting	4165. Not Present
4166.　　- ASC Setting	4167.
4168.　　- CHOICE mode	4169. FDD
4170.　　- Available signature Start Index	4171. 0 (ASC#1)
4172.　　- Available signature End Index	4173. 7 (ASC#1)
4174.　　- Assigned Sub-Channel Number	4175. '1111'B
	4176. The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
4177.　　- ASC Setting	4178. Not Present
4179.　　- ASC Setting	4180.
4181.　　- CHOICE mode	4182. FDD
4183.　　- Available signature Start Index	4184. 0 (ASC#3)
4185.　　- Available signature End Index	4186. 7 (ASC#3)
4187.　　- Assigned Sub-Channel	4188. '1111'B

Number	4189. The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
4190. - ASC Setting	4191. Not Present
4192. - ASC Setting	4193.
4194. - CHOICE mode	4195. FDD
4196. - Available signature Start Index	4197. 0 (ASC#5)
4198. - Available signature End Index	4199. 7 (ASC#5)
4200. - Assigned Sub-Channel Number	4201. '1111'B
	4202. The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
4203. - ASC Setting	4204. Not Present
4205. - ASC Setting	4206.
4207. - CHOICE mode	4208. FDD
4209. - Available signature Start Index	4210. 0 (ASC#7)
4211. - Available signature End Index	4212. 7 (ASC#7)
4213. - Assigned Sub-Channel Number	4214. '1111'B
	4215. The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
4216. - Persistence scaling factor	4217.
4218. - Persistence scaling factor	4219. 0.9 (for ASC#2)
4220. - Persistence scaling factor	4221. 0.9 (for ASC#3)
4222. - Persistence scaling factor	4223. 0.9 (for ASC#4)
4224. - Persistence scaling factor	4225. 0.9 (for ASC#5)
4226. - Persistence scaling factor	4227. 0.9 (for ASC#6)
4228. - Persistence scaling factor	4229. 0.9 (for ASC#7)
4230. - AC-to-ASC mapping table	4231.
4232. - AC-to-ASC mapping	4233. 6 (AC0-9)
4234. - AC-to-ASC mapping	4235. 5 (AC10)
4236. - AC-to-ASC mapping	4237. 4 (AC11)
4238. - AC-to-ASC mapping	4239. 3 (AC12)
4240. - AC-to-ASC mapping	4241. 2 (AC13)
4242. - AC-to-ASC mapping	4243. 1 (AC14)

4244. - AC-to-ASC mapping	4245. 0 (AC15)
4246. - CHOICE mode	4247. FDD
4248. - Primary CPICH TX power	4249. 31
4250. - Constant value	4251. -10
4252. - PRACH power offset	4253.
4254. - Power Ramp Step	4255. 3dB
4256. - Preamble Retrans Max	4257. 4
4258. - RACH transmission parameters	4259.
4260. - Mmax	4261. 2
4262. - NB01min	4263. 3 slot
4264. - NB01max	4265. 10 slot
4266. - AICH info	4267.
4268. - Channelisation code	4269. 3
4270. - STTD indicator	4271. FALSE
4272. - AICH transmission timing	4273. 0
4274. - Secondary CCPCH system information	4275. (For 2 SCCPCHs)
4276. - Secondary CCPCH info	4277. (SCCPCH for standalone PCH)
4278. - CHOICE mode	4279. FDD
4280. - Secondary scrambling code	4281. Not Present
4282. - STTD indicator	4283. FALSE
4284. - Spreading factor	4285. 128
4286. - Code number	4287. 4
4288. - Pilot symbol existence	4289. FALSE
4290. - TFCI existence	4291. FALSE
4292. - Fixed or Flexible position	4293. Fixed
4294. - Timing offset	4295. 30
4296. - TFCS	4297.
4298. - CHOICE TFCI signalling	4299. Normal
4300. - TFCI Field 1 information	4301.
4302. - CHOICE TFCS representation	4303. Complete reconfiguration
4304. - TFCS complete reconfiguration information	4305.
4306. - CHOICE CTFC Size	4307. 2 bit

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4308. - CTFC information	4309. 0
4310. - Power offset information	4311. Not Present
4312. - CTFC information	4313. 1
4314. - Power offset information	4315. Not Present
4316. - FACH/PCH information	4317.
4318. - TFS	4319. (PCH)
4320. - CHOICE Transport channel type	4321. Common transport channels
4322. - Dynamic Transport format information	4323.
4324. - RLC Size	4325. 240
4326. - Number of TB and TTI List	4327.
4328. - Number of Transport blocks	4329. 0
4330. - Number of Transport blocks	4331. 1
4332. - CHOICE Mode	4333. FDD
4334. - CHOICE Logical Channel List	4335. ALL
4336. - Semi-static Transport Format information	4337.
4338. - Transmission time interval	4339. 10 ms
4340. - Type of channel coding	4341. Convolutional
4342. - Coding Rate	4343. ½
4344. - Rate matching attribute	4345. 230
4346. - CRC size	4347. 16 bit
4348. - Transport Channel Identity	4349. 12 (for PCH)
4350. - CTCH indicator	4351. FALSE
4352. - PICH info	4353.
4354. - CHOICE mode	4355. FDD
4356. - Channelisation code	4357. 2
4358. - Number of PI per frame	4359. 18
4360. - STTD indicator	4361. FALSE
4362. - Secondary CCPCH info	4363. (SCCPCH including two FACHs)
4364. - CHOICE mode	4365. FDD

4366. - Secondary scrambling code	4367. Not Present
4368. - STTD indicator	4369. FALSE
4370. - Spreading factor	4371. 64
4372. - Code number	4373. 1
4374. - Pilot symbol existence	4375. FALSE
4376. - TFCI existence	4377. Not Present
	4378. Absence of this IE is equivalent to default value "TRUE"
4379. - Fixed or Flexible position	4380. Not Present
	4381. Absence of this IE is equivalent to default value "Flexible"
4382. - Timing offset	4383. Not Present
	4384. Absence of this IE is equivalent to default value 0
4385. - TFCS	4386.
4387. - CHOICE TFCI signalling	4388. Normal
4389. - TFCI Field 1 information	4390.
4391. - CHOICE TFCS representation	4392. Complete reconfiguration
4393. - TFCS complete reconfiguration information	4394.
4395. - CHOICE CTFC Size	4396. 4 bit
4397. - CTFC information	4398. 0
4399. - Power offset information	4400. Not Present
4401. - CTFC information	4402. 1
4403. - Power offset information	4404. Not Present
4405. - CTFC information	4406. 2
4407. - Power offset information	4408. Not Present
4409. - CTFC information	4410. 3
4411. - Power offset information	4412. Not Present
4413. - CTFC information	4414. 4
4415. - Power offset information	4416. Not Present
4417. - FACH/PCH information	4418.

4419.	- TFS	4420.	(FACH)
4421.	- CHOICE Transport channel type	4422.	Common transport channels
4423.	- Dynamic Transport format information	4424.	
4425.	- RLC Size	4426.	168
4427.	- Number of TB and TTI List	4428.	
4429.	- Number of Transport blocks	4430.	0
4431.	- Number of Transport blocks	4432.	1
4433.	- Number of Transport blocks	4434.	2
4435.	- CHOICE Mode	4436.	FDD
4437.	- CHOICE Logical Channel List	4438.	ALL
4439.	- Semi-static Transport Format information	4440.	
4441.	- Transmission time interval	4442.	10 ms
4443.	- Type of channel coding	4444.	Convolutional
4445.	- Coding Rate	4446.	½
4447.	- Rate matching attribute	4448.	220
4449.	- CRC size	4450.	16 bit
4451.	- Transport Channel Identity	4452.	13 (for FACH)
4453.	- CTCH indicator	4454.	FALSE
4455.	- TFS	4456.	(FACH)
4457.	- CHOICE Transport channel type	4458.	Common transport channels
4459.	- Dynamic Transport format information	4460.	
4461.	- RLC Size	4462.	360
4463.	- Number of TB and TTI List	4464.	
4465.	- Number of Transport blocks	4466.	0
4467.	- Number of Transport blocks	4468.	1
4469.	- CHOICE Mode	4470.	FDD

4471. - CHOICE Logical Channel List	4472. ALL
4473. - Semi-static Transport Format information	4474.
4475. - Transmission time interval	4476. 10 ms
4477. - Type of channel coding	4478. Turbo
4479. - Rate matching attribute	4480. 130
4481. - CRC size	4482. 16bit
4483. - Transport Channel Identity	4484. 14 (for FACH)
4485. - CTCH indicator	4486. FALSE
4487. - CBS DRX Level 1 information	4488. Not Present

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

<FFS>

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

<FFS>

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

4489. - PICH Power offset	4490. -5 dB
4491. - CHOICE Mode	4492. FDD
4493. - AICH Power offset	4494. 5 dB
4495. - Primary CCPCH info	4496. Not Present
4497. - PRACH system information list	4498. Not Present
4499. - Secondary CCPCH system information	4500. Not Present
4501. - CBS DRX Level 1 information	4502. Not Present

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

<FFS>

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

<FFS>

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

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

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

Contents of System Information Block type 5 (FDD)

4503. - SIB6 indicator	4504. TRUE
4505. - PICH Power offset	4506. -5 dB
4507. - CHOICE Mode	4508. FDD
4509. - AICH Power offset	4510. 5 dB
4511. - Primary CCPCH info	4512. Not Present
4513. - PRACH system information list	4514.
4515. - PRACH system information	4516.
4517. - PRACH info	4518.
4519. - CHOICE mode	4520. FDD
4521. - Available Signature	4522. '0000 0000 1111 1111'B
4523. - Available SF	4524. 64
4525. - Preamble scrambling code number	4526. 0
4527. - Puncturing Limit	4528. 1.00
4529. - Available Sub Channel number	4530. '1111 1111 1111'B
4531. - Transport Channel Identity	4532. 15
4533. - RACH TFS	4534.
4535. - CHOICE Transport channel type	4536. Common transport channels
4537. - Dynamic Transport format information	4538.
4539. - RLC size	4540. 168
4541. - Number of TB and TTI List	4542.
4543. - Number of Transport blocks	4544. 1
4545. - CHOICE Mode	4546. FDD

4547. - CHOICE Logical Channel List	4548. Configured
4549. - RLC size	4550. 360
4551. - Number of TB and TTI List	4552.
4553. - Number of Transport blocks	4554. 1
4555. - CHOICE Mode	4556. FDD
4557. - CHOICE Logical Channel List	4558. Configured
4559. - Semi-static Transport Format information	4560.
4561. - Transmission time interval	4562. 20 ms
4563. - Type of channel coding	4564. Convolutional
4565. - Coding Rate	4566. 1/2
4567. - Rate matching attribute	4568. 150
4569. - CRC size	4570. 16
4571. - RACH TFCS	4572.
4573. - CHOICE TFCI signalling	4574. Normal
4575. - TFCI Field 1 information	4576.
4577. - CHOICE TFCS representation	4578. Complete reconfiguration
4579. - TFCS complete reconfiguration information	4580.
4581. - CHOICE CTFC Size	4582. 2 bit
4583. - CTFC information	4584. 0
4585. - Power offset information	4586.
4587. - CHOICE Gain Factors	4588. Computed Gain Factor
4589. - Reference TFC ID	4590. 0
4591. - CHOICE mode	4592. FDD
4593. - Power offset Pp-m	4594. 0 dB
4595. - CTFC information	4596. 1
4597. - Power offset information	4598.
4599. - CHOICE Gain Factors	4600. Signalled Gain Factor
4601. - CHOICE mode	4602. FDD
4603. - Gain factor ßc	4604. 11

4605. - Gain factor ßd	4606. 15
4607. - Reference TFC ID	4608. 0
4609. - CHOICE Mode	4610. FDD
4611. - Power offset Pp-m	4612. 0 dB
4613. - PRACH partitioning	4614.
4615. - Access Service Class	4616.
4617. - ASC Setting	4618. Not Present
4619. - ASC Setting	4620.
4621. - CHOICE mode	4622. FDD
4623. - Available signature Start Index	4624. 0 (ASC#1)
4625. - Available signature End Index	4626. 7 (ASC#1)
4627. - Assigned Sub-Channel Number	4628. '1111'B
	4629. The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
4630. - ASC Setting	4631. Not Present
4632. - ASC Setting	4633.
4634. - CHOICE mode	4635. FDD
4636. - Available signature Start Index	4637. 0 (ASC#3)
4638. - Available signature End Index	4639. 7 (ASC#3)
4640. - Assigned Sub-Channel Number	4641. '1111'B
	4642. The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
4643. - ASC Setting	4644. Not Present
4645. - ASC Setting	4646.
4647. - CHOICE mode	4648. FDD
4649. - Available signature Start Index	4650. 0 (ASC#5)
4651. - Available signature End Index	4652. 7 (ASC#5)
4653. - Assigned Sub-Channel Number	4654. '1111'B
	4655. The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
4656. - ASC Setting	4657. Not Present

4658. - ASC Setting	4659.
4660. - CHOICE mode	4661. FDD
4662. - Available signature Start Index	4663. 0 (ASC#7)
4664. - Available signature End Index	4665. 7 (ASC#7)
4666. - Assigned Sub-Channel Number	4667. '1111'B
	4668. The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
4669. - Persistence scaling factor	4670.
4671. - Persistence scaling factor	4672. 0.9 (for ASC#2)
4673. - Persistence scaling factor	4674. 0.9 (for ASC#3)
4675. - Persistence scaling factor	4676. 0.9 (for ASC#4)
4677. - Persistence scaling factor	4678. 0.9 (for ASC#5)
4679. - Persistence scaling factor	4680. 0.9 (for ASC#6)
4681. - Persistence scaling factor	4682. 0.9 (for ASC#7)
4683. - AC-to-ASC mapping table	4684.
4685. - AC-to-ASC mapping	4686. 6 (AC0-9)
4687. - AC-to-ASC mapping	4688. 5 (AC10)
4689. - AC-to-ASC mapping	4690. 4 (AC11)
4691. - AC-to-ASC mapping	4692. 3 (AC12)
4693. - AC-to-ASC mapping	4694. 2 (AC13)
4695. - AC-to-ASC mapping	4696. 1 (AC14)
4697. - AC-to-ASC mapping	4698. 0 (AC15)
4699. - CHOICE mode	4700. FDD
4701. - Primary CPICH TX power	4702. 31
4703. - Constant value	4704. -10
4705. - PRACH power offset	4706.
4707. - Power Ramp Step	4708. 3dB
4709. - Preamble Retrans Max	4710. 4
4711. - RACH transmission parameters	4712.
4713. - Mmax	4714. 2
4715. - NB01min	4716. 3 slot
4717. - NB01max	4718. 10 slot
4719. - AICH info	4720.

4721. - Channelisation code	4722. 3	
4723. - STTD indicator	4724. FALSE	
4725. - AICH transmission timing	4726. 0	
4727. - Secondary CCPCH system information	4728. (For 2 SCCPCHs)	
4729. - Secondary CCPCH info	4730. (SCCPCH for standalone PCH)	
4731. - CHOICE mode	4732. FDD	
4733. - Secondary scrambling code	4734. Not Present	
4735. - STTD indicator	4736. FALSE	
4737. - Spreading factor	4738. 128	
4739. - Code number	4740. 4	
4741. - Pilot symbol existence	4742. FALSE	
4743. - TFCI existence	4744. FALSE	
4745. - Fixed or Flexible position	4746. Fixed	
4747. - Timing offset	4748. 30	
4749. - TFCS	4750.	
4751. - CHOICE TFCI signalling	4752. Normal	
4753. - TFCI Field 1 information	4754.	
4755. - CHOICE TFCS representation	4756. Complete reconfiguration	
4757. - TFCS complete reconfiguration information	4758.	
4759. - CHOICE CTFC Size	4760. 2 bit	
4761. - CTFC information	4762. 0	
4763. - Power offset information	4764. Not Present	
4765. - CTFC information	4766. 1	
4767. - Power offset information	4768. Not Present	
4769. - FACH/PCH information	4770.	
4771. - TFS	4772. (PCH)	
4773. - CHOICE Transport channel type	4774. Common transport channels	
4775. - Dynamic Transport format information	4776.	
4777. - RLC Size	4778. 240	
4779. - Number of TB and TTI	4780.	

	List	
4781.	- Number of Transport blocks	4782. 0
4783.	- Number of Transport blocks	4784. 1
4785.	- CHOICE Mode	4786. FDD
4787.	- CHOICE Logical Channel List	4788. ALL
4789.	- Semi-static Transport Format information	4790.
4791.	- Transmission time interval	4792. 10 ms
4793.	- Type of channel coding	4794. Convolutional
4795.	- Coding Rate	4796. ½
4797.	- Rate matching attribute	4798. 230
4799.	- CRC size	4800. 16 bit
4801.	- Transport Channel Identity	4802. 12 (for PCH)
4803.	- CTCH indicator	4804. FALSE
4805.	- PICH info	4806.
4807.	- CHOICE mode	4808. FDD
4809.	- Channelisation code	4810. 2
4811.	- Number of PI per frame	4812. 18
4813.	- STTD indicator	4814. FALSE
4815.	- Secondary CCPCH info	4816. (SCCPCH including two FACHs)
4817.	- CHOICE mode	4818. FDD
4819.	- Secondary scrambling code	4820. Not Present
4821.	- STTD indicator	4822. FALSE
4823.	- Spreading factor	4824. 128
4825.	- Code number	4826. 5
4827.	- Pilot symbol existence	4828. FALSE
4829.	- TFCI existence	4830. Not Present
		4831. Absence of this IE is equivalent to default value "TRUE"
4832.	- Fixed or Flexible position	4833. Not Present
		4834. Absence of this IE is equivalent to default value "Flexible"
4835.	- Timing offset	4836. Not Present

	4837. Absence of this IE is equivalent to default value 0
4838. - TFCS	4839.
4840. - CHOICE TFCI signalling	4841. Normal
4842. - TFCI Field 1 information	4843.
4844. - CHOICE TFCS representation	4845. Complete reconfiguration
4846. - TFCS complete reconfiguration information	4847.
4848. - CHOICE CTFC Size	4849. 2 bit
4850. - CTFC information	4851. 0
4852. - Power offset information	4853. Not Present
4854. - CTFC information	4855. 1
4856. - Power offset information	4857. Not Present
4858. - CTFC information	4859. 2
4860. - Power offset information	4861. Not Present
4862. - FACH/PCH information	4863.
4864. - TFS	4865. (FACH)
4866. - CHOICE Transport channel type	4867. Common transport channels
4868. - Dynamic Transport format information	4869.
4870. - RLC Size	4871. 168
4872. - Number of TB and TTI List	4873.
4874. - Number of Transport blocks	4875. 0
4876. - Number of Transport blocks	4877. 1
4878. - CHOICE Mode	4879. FDD
4880. - CHOICE Logical Channel List	4881. ALL
4882. - Semi-static Transport Format information	4883.
4884. - Transmission time interval	4885. 10 ms
4886. - Type of channel coding	4887. Convolutional

4888. - Coding Rate	4889. 1/3
4890. - Rate matching attribute	4891. 220
4892. - CRC size	4893. 16 bit
4894. - Transport Channel Identity	4895. 13 (for FACH)
4896. - CTCH indicator	4897. FALSE
4898. - TFS	4899. (FACH)
4900. - CHOICE Transport channel type	4901. Common transport channels
4902. - Dynamic Transport format information	4903.
4904. - RLC Size	4905. 168
4906. - Number of TB and TTI List	4907.
4908. - Number of Transport blocks	4909. 0
4910. - Number of Transport blocks	4911. 1
4912. - CHOICE Mode	4913. FDD
4914. - CHOICE Logical Channel List	4915. ALL
4916. - Semi-static Transport Format information	4917.
4918. - Transmission time interval	4919. 10 ms
4920. - Type of channel coding	4921. Convolutional
4922. - Coding Rate	4923. 1/3
4924. - Rate matching attribute	4925. 220
4926. - CRC size	4927. 16bit
4928. - Transport Channel Identity	4929. 14 (for FACH)
4930. - CTCH indicator	4931. TRUE
4932. - CBS DRX Level 1 information	4933.
4934. - Period of CTCH allocation (N)	4935. 2
4936. - CBS frame offset (K)	4937. 0

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

4938. - PICH Power offset	4939. -5 dB

4940. - CHOICE Mode	4941. FDD
4942. - AICH Power offset	4943. 5 dB
4944. - Primary CCPCH info	4945.
4946. - PRACH system information list	4947. Not Present
4948. - Secondary CCPCH system information	4949.
4950. - Secondary CCPCH info	4951. (SCCPCH including two FACHs)
4952. - CHOICE mode	4953. FDD
4954. - Secondary scrambling code	4955. Not Present
4956. - STTD indicator	4957. FALSE
4958. - Spreading factor	4959. 64
4960. - Code number	4961. 1
4962. - Pilot symbol existence	4963. FALSE
4964. - TFCI existence	4965. Not Present
	4966. Absence of this IE is equivalent to default value "TRUE"
4967. - Fixed or Flexible position	4968. Not Present
	4969. Absence of this IE is equivalent to default value "Flexible"
4970. - Timing offset	4971. 90
4972. - TFCS	4973.
4974. - CHOICE TFCI signalling	4975. Normal
4976. - TFCI Field 1 information	4977.
4978. - CHOICE TFCS representation	4979. Complete reconfiguration
4980. - TFCS complete reconfiguration information	4981.
4982. - CHOICE CTFC Size	4983. 4 bit
4984. - CTFC information	4985. 0
4986. - Power offset information	4987. Not Present
4988. - CTFC information	4989. 1
4990. - Power offset information	4991. Not Present
4992. - CTFC information	4993. 2
4994. - Power offset information	4995. Not Present

4996.　　- CTFC information	4997. 3
4998.　　- Power offset information	4999. Not Present
5000.　　- CTFC information	5001. 4
5002.　　- Power offset information	5003. Not Present
5004.　- FACH/PCH information	5005.
5006.　- TFS	5007. (FACH)
5008.　- CHOICE Transport channel type	5009. Common transport channels
5010.　　- Dynamic Transport format information	5011.
5012.　　- RLC Size	5013. 168
5014.　　- Number of TB and TTI List	5015.
5016.　　- Number of Transport blocks	5017. 0
5018.　　- Number of Transport blocks	5019. 1
5020.　　- Number of Transport blocks	5021. 2
5022.　　- CHOICE Mode	5023. FDD
5024.　　- CHOICE Logical Channel List	5025. ALL
5026.　　- Semi-static Transport Format information	5027.
5028.　　- Transmission time interval	5029. 10 ms
5030.　　- Type of channel coding	5031. Convolutional
5032.　　- Coding Rate	5033. ½
5034.　　- Rate matching attribute	5035. 220
5036.　　- CRC size	5037. 16 bit
5038.　- Transport Channel Identity	5039. 16 (for FACH)
5040.　- CTCH indicator	5041. FALSE
5042.　- TFS	5043. (FACH)
5044.　- CHOICE Transport channel type	5045. Common transport channels
5046.　　- Dynamic Transport format information	5047.
5048.　　- RLC Size	5049. 360

5050.	- Number of TB and TTI List	5051.	
5052.	- Number of Transport blocks	5053.	0
5054.	- Number of Transport blocks	5055.	1
5056.	- CHOICE Mode	5057.	FDD
5058.	- CHOICE Logical Channel List	5059.	ALL
5060.	- Semi-static Transport Format information	5061.	
5062.	- Transmission time interval	5063.	10 ms
5064.	- Type of channel coding	5065.	Turbo
5066.	- Rate matching attribute	5067.	130
5068.	- CRC size	5069.	16bit
5070.	- Transport Channel Identity	5071.	17 (for FACH)
5072.	- CTCH indicator	5073.	FALSE
5074.	- CBS DRX Level 1 information	5075.	Not Present

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

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

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

Contents of Scheduling Block 1 (FDD)

5076.	- References to other system information blocks	5077.	
5078.	- Scheduling information	5079.	
5080.	- CHOICE Value tag	5081.	Not Present
5082.	- SEG_COUNT	5083.	1
5084.	- SIB_REP	5085.	16
5086.	- SIB_POS	5087.	4
5088.	- SIB_POS offset info	5089.	Not Present
5090.	- SIB type SIBs only	5091.	System Information Type 7

5092. - Scheduling information	5093.
5094. - CHOICE Value tag	5095. Cell Value tag
5096. - Cell Value tag	5097. 1
5098. - SEG_COUNT	5099. 3
5100. - SIB_REP	5101. 64
5102. - SIB_POS	5103. 58
5104. - SIB_POS offset info	5105.
5106. - SIB_OFF	5107. 2
5108. - SIB_OFF	5109. 2
5110. - SIB type SIBs only	5111. System Information Type 11
5112. - Scheduling information	5113.
5114. - CHOICE Value tag	5115. Cell Value tag
5116. - Cell Value tag	5117. 1
5118. - SEG_COUNT	5119. 3
5120. - SIB_REP	5121. 64
5122. - SIB_POS	5123. 26
5124. - SIB_POS offset info	5125.
5126. - SIB_OFF	5127. 2
5128. - SIB_OFF	5129. 2
5130. - SIB type SIBs only	5131. System Information Type 12
5132. - Scheduling information	5133.
5134. - CHOICE Value tag	5135. PLMN Value tag
5136. - PLMN Value tag	5137. 1
5138. - SEG_COUNT	5139. 1
5140. - SIB_REP	5141. 64
5142. - SIB_POS	5143. 36
5144. - SIB_POS offset info	5145. Not Present
5146. - SIB type SIBs only	5147. System Information Type 18

Contents of System Information Block type 5 (FDD)

5148. - SIB6 indicator	5149. FALSE
5150. - PICH Power offset	5151. -5 dB
5152. - CHOICE Mode	5153. FDD
5154. - AICH Power offset	5155. 5 dB

5156. - Primary CCPCH info	5157. Not Present
5158. - PRACH system information list	5159.
5160. - PRACH system information	5161.
5162. - PRACH info	5163.
5164. - CHOICE mode	5165. FDD
5166. - Available Signature	5167. '0000 0000 1111 1111'B
5168. - Available SF	5169. 64
5170. - Preamble scrambling code number	5171. 0
5172. - Puncturing Limit	5173. 1.00
5174. - Available Sub Channel number	5175. '1111 1111 1111'B
5176. - Transport Channel Identity	5177. 15
5178. - RACH TFS	5179.
5180. - CHOICE Transport channel type	5181. Common transport channels
5182. - Dynamic Transport format information	5183.
5184. - RLC size	5185. 168
5186. - Number of TB and TTI List	5187.
5188. - Number of Transport blocks	5189. 1
5190. - CHOICE Mode	5191. FDD
5192. - CHOICE Logical Channel List	5193. Configured
5194. - RLC size	5195. 360
5196. - Number of TB and TTI List	5197.
5198. - Number of Transport blocks	5199. 1
5200. - CHOICE Mode	5201. FDD
5202. - CHOICE Logical Channel List	5203. Configured
5204. - Semi-static Transport Format information	5205.
5206. - Transmission time interval	5207. 20 ms
5208. - Type of channel coding	5209. Convolutional
5210. - Coding Rate	5211. ½

5212. - Rate matching attribute	5213. 150
5214. - CRC size	5215. 16
5216. - RACH TFCS	5217.
5218. - CHOICE TFCI signalling	5219. Normal
5220. - TFCI Field 1 information	5221.
5222. - CHOICE TFCS representation	5223. Complete reconfiguration
5224. - TFCS complete reconfiguration information	5225.
5226. - CHOICE CTFC Size	5227. 2 bit
5228. - CTFC information	5229. 0
5230. - Power offset information	5231.
5232. - CHOICE Gain Factors	5233. Computed Gain Factor
5234. - Reference TFC ID	5235. 0
5236. - CHOICE mode	5237. FDD
5238. - Power offset Pp-m	5239. 0 dB
5240. - CTFC information	5241. 1
5242. - Power offset information	5243.
5244. - CHOICE Gain Factors	5245. Signalled Gain Factor
5246. - CHOICE mode	5247. FDD
5248. - Gain factor ßc	5249. 11
5250. - Gain factor ßd	5251. 15
5252. - Reference TFC ID	5253. 0
5254. - CHOICE Mode	5255. FDD
5256. - Power offset Pp-m	5257. 0 dB
5258. - PRACH partitioning	5259.
5260. - Access Service Class	5261.
5262. - ASC Setting	5263. Not Present
5264. - ASC Setting	5265.
5266. - CHOICE mode	5267. FDD
5268. - Available signature Start Index	5269. 0 (ASC#1)
5270. - Available signature End Index	5271. 7 (ASC#1)
5272. - Assigned Sub-Channel	5273. '1111'B

Number	5274. The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
5275. - ASC Setting	5276. Not Present
5277. - ASC Setting	5278.
5279. - CHOICE mode	5280. FDD
5281. - Available signature Start Index	5282. 0 (ASC#3)
5283. - Available signature End Index	5284. 7 (ASC#3)
5285. - Assigned Sub-Channel Number	5286. '1111'B
	5287. The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
5288. - ASC Setting	5289. Not Present
5290. - ASC Setting	5291.
5292. - CHOICE mode	5293. FDD
5294. - Available signature Start Index	5295. 0 (ASC#5)
5296. - Available signature End Index	5297. 7 (ASC#5)
5298. - Assigned Sub-Channel Number	5299. '1111'B
	5300. The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
5301. - ASC Setting	5302. Not Present
5303. - ASC Setting	5304.
5305. - CHOICE mode	5306. FDD
5307. - Available signature Start Index	5308. 0 (ASC#7)
5309. - Available signature End Index	5310. 7 (ASC#7)
5311. - Assigned Sub-Channel Number	5312. '1111'B
	5313. The first/ leftmost bit of the bit string contains the most significant bit of the Assigned Sub-Channel Number.
5314. - Persistence scaling factor	5315.
5316. - Persistence scaling factor	5317. 0.9 (for ASC#2)
5318. - Persistence scaling factor	5319. 0.9 (for ASC#3)
5320. - Persistence scaling factor	5321. 0.9 (for ASC#4)

5322.	- Persistence scaling factor	5323. 0.9 (for ASC#5)
5324.	- Persistence scaling factor	5325. 0.9 (for ASC#6)
5326.	- Persistence scaling factor	5327. 0.9 (for ASC#7)
5328.	- AC-to-ASC mapping table	5329.
5330.	- AC-to-ASC mapping	5331. 6 (AC0-9)
5332.	- AC-to-ASC mapping	5333. 5 (AC10)
5334.	- AC-to-ASC mapping	5335. 4 (AC11)
5336.	- AC-to-ASC mapping	5337. 3 (AC12)
5338.	- AC-to-ASC mapping	5339. 2 (AC13)
5340.	- AC-to-ASC mapping	5341. 1 (AC14)
5342.	- AC-to-ASC mapping	5343. 0 (AC15)
5344.	- CHOICE mode	5345. FDD
5346.	- Primary CPICH TX power	5347. 31
5348.	- Constant value	5349. -10
5350.	- PRACH power offset	5351.
5352.	- Power Ramp Step	5353. 3dB
5354.	- Preamble Retrans Max	5355. 4
5356.	- RACH transmission parameters	5357.
5358.	- Mmax	5359. 2
5360.	- NB01min	5361. 3 slot
5362.	- NB01max	5363. 10 slot
5364.	- AICH info	5365.
5366.	- Channelisation code	5367. 3
5368.	- STTD indicator	5369. FALSE
5370.	- AICH transmission timing	5371. 0
5372.	- Secondary CCPCH system information	5373. (For 3 SCCPCHs)
5374.	- Secondary CCPCH info	5375. (SCCPCH for standalone PCH)
5376.	- CHOICE mode	5377. FDD
5378.	- Secondary scrambling code	5379. Not Present
5380.	- STTD indicator	5381. FALSE
5382.	- Spreading factor	5383. 128
5384.	- Code number	5385. 6
5386.	- Pilot symbol existence	5387. FALSE

5388. - TFCI existence	5389. FALSE
5390. - Fixed or Flexible position	5391. Fixed
5392. - Timing offset	5393. 30
5394. - TFCS	5395.
5396. - CHOICE TFCI signalling	5397. Normal
5398. - TFCI Field 1 information	5399.
5400. - CHOICE TFCS representation	5401. Complete reconfiguration
5402. - TFCS complete reconfiguration information	5403.
5404. - CHOICE CTFC Size	5405. 2 bit
5406. - CTFC information	5407. 0
5408. - Power offset information	5409. Not Present
5410. - CTFC information	5411. 1
5412. - Power offset information	5413. Not Present
5414. - FACH/PCH information	5415.
5416. - TFS	5417. (PCH)
5418. - CHOICE Transport channel type	5419. Common transport channels
5420. - Dynamic Transport format information	5421.
5422. - RLC Size	5423. 240
5424. - Number of TB and TTI List	5425.
5426. - Number of Transport blocks	5427. 0
5428. - Number of Transport blocks	5429. 1
5430. - CHOICE Mode	5431. FDD
5432. - CHOICE Logical Channel List	5433. ALL
5434. - Semi-static Transport Format information	5435.
5436. - Transmission time interval	5437. 10 ms
5438. - Type of channel coding	5439. Convolutional
5440. - Coding Rate	5441. ½
5442. - Rate matching attribute	5443. 230

5444. - CRC size	5445. 16 bit
5446. - Transport Channel Identity	5447. 12 (for PCH)
5448. - CTCH indicator	5449. FALSE
5450. - PICH info	5451.
5452. - CHOICE mode	5453. FDD
5454. - Channelisation code	5455. 2
5456. - Number of PI per frame	5457. 18
5458. - STTD indicator	5459. FALSE
5460. - Secondary CCPCH info	5461. (SCCPCH including two FACHs)
5462. - CHOICE mode	5463. FDD
5464. - Secondary scrambling code	5465. Not Present
5466. - STTD indicator	5467. FALSE
5468. - Spreading factor	5469. 64
5470. - Code number	5471. 1
5472. - Pilot symbol existence	5473. FALSE
5474. - TFCI existence	5475. Not Present
	5476. Absence of this IE is equivalent to default value "TRUE"
5477. - Fixed or Flexible position	5478. Not Present
	5479. Absence of this IE is equivalent to default value "Flexible"
5480. - Timing offset	5481. Not Present
	5482. Absence of this IE is equivalent to default value 0
5483. - TFCS	5484.
5485. - CHOICE TFCI signalling	5486. Normal
5487. - TFCI Field 1 information	5488.
5489. - CHOICE TFCS representation	5490. Complete reconfiguration
5491. - TFCS complete reconfiguration information	5492.
5493. - CHOICE CTFC Size	5494. 4 bit
5495. - CTFC information	5496. 0
5497. - Power offset information	5498. Not Present
5499. - CTFC information	5500. 1

5501. - Power offset information	5502. Not Present
5503. - CTFC information	5504. 2
5505. - Power offset information	5506. Not Present
5507. - CTFC information	5508. 3
5509. - Power offset information	5510. Not Present
5511. - CTFC information	5512. 4
5513. - Power offset information	5514. Not Present
5515. - FACH/PCH information	5516.
5517. - TFS	5518. (FACH)
5519. - CHOICE Transport channel type	5520. Common transport channels
5521. - Dynamic Transport format information	5522.
5523. - RLC Size	5524. 168
5525. - Number of TB and TTI List	5526.
5527. - Number of Transport blocks	5528. 0
5529. - Number of Transport blocks	5530. 1
5531. - Number of Transport blocks	5532. 2
5533. - CHOICE Mode	5534. FDD
5535. - CHOICE Logical Channel List	5536. ALL
5537. - Semi-static Transport Format information	5538.
5539. - Transmission time interval	5540. 10 ms
5541. - Type of channel coding	5542. Convolutional
5543. - Coding Rate	5544. ½
5545. - Rate matching attribute	5546. 220
5547. - CRC size	5548. 16 bit
5549. - Transport Channel Identity	5550. 13 (for FACH)
5551. - CTCH indicator	5552. FALSE
5553. - TFS	5554. (FACH)

5555. - CHOICE Transport channel type	5556. Common transport channels
5557. - Dynamic Transport format information	5558.
5559. - RLC Size	5560. 360
5561. - Number of TB and TTI List	5562.
5563. - Number of Transport blocks	5564. 0
5565. - Number of Transport blocks	5566. 1
5567. - CHOICE Mode	5568. FDD
5569. - CHOICE Logical Channel List	5570. ALL
5571. - Semi-static Transport Format information	5572.
5573. - Transmission time interval	5574. 10 ms
5575. - Type of channel coding	5576. Turbo
5577. - Rate matching attribute	5578. 130
5579. - CRC size	5580. 16bit
5581. - Transport Channel Identity	5582. 14 (for FACH)
5583. - CTCH indicator	5584. FALSE
5585. - Secondary CCPCH info	5586. (SCCPCH including two FACHs)
5587. - CHOICE mode	5588. FDD
5589. - Secondary scrambling code	5590. Not Present
5591. - STTD indicator	5592. FALSE
5593. - Spreading factor	5594. 64
5595. - Code number	5596. 2
5597. - Pilot symbol existence	5598. FALSE
5599. - TFCI existence	5600. Not Present
	5601. Absence of this IE is equivalent to default value "TRUE"
5602. - Fixed or Flexible position	5603. Not Present
	5604. Absence of this IE is equivalent to default value "Flexible"
5605. - Timing offset	5606. 90
5607. - TFCS	5608.

5609. - CHOICE TFCI signalling	5610. Normal
5611. - TFCI Field 1 information	5612.
5613. - CHOICE TFCS representation	5614. Complete reconfiguration
5615. - TFCS complete reconfiguration information	5616.
5617. - CHOICE CTFC Size	5618. 4 bit
5619. - CTFC information	5620. 0
5621. - Power offset information	5622. Not Present
5623. - CTFC information	5624. 1
5625. - Power offset information	5626. Not Present
5627. - CTFC information	5628. 2
5629. - Power offset information	5630. Not Present
5631. - CTFC information	5632. 3
5633. - Power offset information	5634. Not Present
5635. - CTFC information	5636. 4
5637. - Power offset information	5638. Not Present
5639. - FACH/PCH information	5640.
5641. - TFS	5642. (FACH)
5643. - CHOICE Transport channel type	5644. Common transport channels
5645. - Dynamic Transport format information	5646.
5647. - RLC Size	5648. 168
5649. - Number of TB and TTI List	5650.
5651. - Number of Transport blocks	5652. 0
5653. - Number of Transport blocks	5654. 1
5655. - Number of Transport blocks	5656. 2
5657. - CHOICE Mode	5658. FDD
5659. - CHOICE Logical Channel List	5660. ALL

5661. - Semi-static Transport Format information	5662.	
5663. - Transmission time interval	5664. 10 ms	
5665. - Type of channel coding	5666. Convolutional	
5667. - Coding Rate	5668. ½	
5669. - Rate matching attribute	5670. 220	
5671. - CRC size	5672. 16 bit	
5673. - Transport Channel Identity	5674. 16 (for FACH)	
5675. - CTCH indicator	5676. FALSE	
5677. - TFS	5678. (FACH)	
5679. - CHOICE Transport channel type	5680. Common transport channels	
5681. - Dynamic Transport format information	5682.	
5683. - RLC Size	5684. 360	
5685. - Number of TB and TTI List	5686.	
5687. - Number of Transport blocks	5688. 0	
5689. - Number of Transport blocks	5690. 1	
5691. - CHOICE Mode	5692. FDD	
5693. - CHOICE Logical Channel List	5694. ALL	
5695. - Semi-static Transport Format information	5696.	
5697. - Transmission time interval	5698. 10 ms	
5699. - Type of channel coding	5700. Turbo	
5701. - Rate matching attribute	5702. 130	
5703. - CRC size	5704. 16bit	
5705. - Transport Channel Identity	5706. 17 (for FACH)	
5707. - CTCH indicator	5708. FALSE	
5709. - CBS DRX Level 1 information	5710. Not Present	

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

<FFS>

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

<FFS>

6.1.4   Default parameters for 1 to 8 cell environments

Default settings for cell No.1 (FDD):

5711. Downlink input level	5712. Reference clause 6.10 Parameter Set
5713. Uplink output power	5714. Minimum supported by the UE's power class.
5715. PCCPCH/PCPICH carrier number	5716. Reference clause 6.10 Parameter Set
5717. Cell Channel Description	5718.
5719. - Primary CPICH info	5720.
5721. - Primary scrambling code	5722. 100

Contents of System Information Block type 11 for cell No.1 (FDD)

See sub-clause 6.1.0b for contents of System Information Block type 11 (FDD) for cell 1.

Contents of System Information Block type 12 in connected mode for cell No.1 (FDD)

See sub-clause 6.1.0b for contents of System Information Block type 12 (FDD) for cell 1.

Default settings for cell No.1 (TDD):

5723. Downlink input level	5724. Reference clause 6 Parameter Set
5725. Uplink output power	5726. Minimum supported by the UE's power class.
5727. PCCPCH/PCPICH carrier number	5728. Reference clause 6 Parameter Set
5729. Cell Channel Description	5730.
5731. - Primary CCPCH info	5732.
5733. - Cell parameters ID	5734. 0

Contents of System Information Block type 11 for cell No.1 (TDD)

See sub-clause 6.1.0b for contents of System Information Block type 11 (TDD) for cell 1.

Contents of System Information Block type 12 in connected mode for cell No.1 (TDD)

See sub-clause 6.1.0b for contents of System Information Block type 12 (TDD) for cell 1.

Cell No.2

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

5735. Cell identity	5736. 0000 0000 0000 0000 0000 0000 0010B
5737. URA identity	5738. 0000 0000 0000 0001B

Default settings for cell No.2 (FDD):

5739. Downlink input level	5740. Reference clause 6.10 Parameter Set
5741. Uplink output power	5742. Minimum supported by the UE's power class.
5743. PCCPCH/PCPICH carrier number	5744. Reference clause 6.10 Parameter Set
5745. Cell Channel Description	5746.
5747. - Primary CPICH info	5748.
5749. - Primary scrambling code	5750. 150

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

5751. - Intra-frequency measurement system information		5753.
5754. ….		5756.
5757. - New intra-frequency cells		5759.
5760. - Intra-frequency cell id		5762. 2
5763. - Cell info		5765. Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1.4
5766. - Intra-frequency cell id		5768. 1
5769. - Cell info		5771. Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1.4

5772. - Intra-frequency cell id		5774. 3
5775. - Cell info		5777. Same content as specified for Intra-frequency cell id=3 in SIB11 for Cell 1 in sub-clause 6.1.0b
5778. - Intra-frequency cell id		5780. 7
5781. - Cell info		5783. Same content as specified for Intra-frequency cell id=7 in SIB11 for Cell 1 in sub-clause 6.1.0b
5784. - Intra-frequency cell id		5786. 8
5787. - Cell info		5789. Same content as specified for Intra-frequency cell id=8 in SIB11 for Cell 1 in sub-clause 6.1.0b
5790. …..		5792.
5793. **- Inter-frequency measurement system information**		5795.
5796. …..		5798.
5799. - New inter-frequency cells		5801.
5802. - Inter frequency cell id		5804. 4
5805. - Frequency info		5807. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clasue 6.1.0b
5808. - Cell info		5810. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clasue 6.1.0b
5811. - Inter frequency cell id		5813. 5
5814. - Frequency info		5816. Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clasue 6.1.0b
5817. - Cell info		5819. Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clasue 6.1.0b
5820. - Inter frequency cell id		5822. 6

5823. - Frequency info	5825. Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clasue 6.1.0b
5826. - Cell info	5828. Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clasue 6.1.0b
5829. …..	5831.
5832. **- Inter-RAT cell info list**	5834.
5835. ….	5837.
5838. - New inter-RAT cells	5840.
5841. - Inter-RAT cell id	5843. 9
5844. - CHOICE *Radio Access Technology*	5846. GSM
5847. - GSM	5849. Same content as specified for inter-RAT cell id=9 in SIB11 for Cell 1 in sub-clause 6.1.0b
5850. - Inter-RAT cell id	5852. 10
5853. - CHOICE *Radio Access Technology*	5855. GSM
5856. - GSM	5858. Same content as specified for inter-RAT cell id=10 in SIB11 for Cell 1 in sub-clause 6.1.0b
5859. ….	5861.

Condition	Explanation
5862. A1	5863. FDD cell environment
5864. A2	5865. FDD/GSM inter-RAT cell environment

Default settings for cell No.2 (TDD):

5866. Downlink input level	5867. Reference clause 6 Parameter Set
5868. Uplink output power	5869. Minimum supported by the UE's power class.
5870. PCCPCH/PCPICH carrier number	5871. Reference clause 6 Parameter Set
5872. Cell Channel Description	5873.
5874. - Primary CCPCH info	5875.
5876. - Cell parameters ID	5877. 4

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

5878. - Intra-frequency measurement system information	5879.
5880. ….	5881.
5882. - New intra-frequency cells	5883.
5884. - Intra-frequency cell id	5885. 2
5886. - Cell info	5887. Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.2 (TDD)" in clause 6.1.4
5888. - Intra-frequency cell id	5889. 1
5890. - Cell info	5891. Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.1 (TDD)" in clause 6.1.4
5892. - Intra-frequency cell id	5893. 3
5894. - Cell info	5895. Same content as specified for Intra-frequency cell id=3 in SIB11 for Cell 1 in sub-clause 6.1.0b
5896. - Intra-frequency cell id	5897. 7
5898. - Cell info	5899. Same content as specified for Intra-frequency cell id=7 in SIB11 for Cell 1 in sub-clause 6.1.0b
5900. - Intra-frequency cell id	5901. 8
5902. - Cell info	5903. Same content as specified for Intra-frequency cell id=8 in SIB11 for Cell 1 in sub-clause 6.1.0b
5904. …..	5905.
5906. **- Inter-frequency measurement system information**	5907.
5908. …..	5909.
5910. - New inter-frequency cells	5911.
5912. - Inter frequency cell id	5913. 4
5914. - Frequency info	5915. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clasue 6.1.0b

5916.	- Cell info	5917. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clasue 6.1.0b
5918.	- Inter frequency cell id	5919. 5
5920.	- Frequency info	5921. Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clasue 6.1.0b
5922.	- Cell info	5923. Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clasue 6.1.0b
5924.	- Inter frequency cell id	5925. 6
5926.	- Frequency info	5927. Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clasue 6.1.0b
5928.	- Cell info	5929. Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clasue 6.1.0b
5930. …..		5931.

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:

5932. Cell identity	5933. 0000 0000 0000 0000 0000 0000 0011B
5934. URA identity	5935. 0000 0000 0000 0010B

Default settings for cell No.3 (FDD):

5936. Downlink input level	5937. Reference clause 6.10 Parameter Set
5938. Uplink output power	5939. Minimum supported by the UE's power class.
5940. PCCPCH/PCPICH carrier number	5941. Reference clause 6.10 Parameter Set
5942. Cell Channel Description	5943.
5944. - Primary CPICH info	5945.
5946. - Primary scrambling code	5947. 200

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

5948. - Intra-frequency measurement system information		5950.
5951. ….		5953.
5954. - New intra-frequency cells		5956.
5957. - Intra-frequency cell id		5959. 3
5960. - Cell info		5962. Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1.4
5963. - Intra-frequency cell id		5965. 1
5966. - Cell info		5968. Same content as specified for Intra-frequency cell id=2 (neigbour cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1.4
5969. - Intra-frequency cell id		5971. 2
5972. - Cell info		5974. Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b
5975. - Intra-frequency cell id		5977. 7
5978. - Cell info		5980. Same content as specified for Intra-frequency cell id=7 in SIB11 for Cell 1 in sub-clause 6.1.0b
5981. - Intra-frequency cell id		5983. 8
5984. - Cell info		5986. Same content as specified for Intra-frequency cell id=8 in SIB11 for Cell 1 in sub-clause 6.1.0b
5987. …..		5989.

5990. **- Inter-frequency measurement system information**	5992.	
5993. …..	5995.	
5996. - New inter-frequency cells	5998.	
5999. - Inter frequency cell id	6001. 4	
6002. - Frequency info	6004. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clasue 6.1.0b	
6005. - Cell info	6007. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clasue 6.1.0b	
6008. - Inter frequency cell id	6010. 5	
6011. - Frequency info	6013. Not Present	
	6014. Absence of this IE is equivalent to value of the previous "frequency info" in the list.	
6015. - Cell info	6017. Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clasue 6.1.0b	
6018. - Inter frequency cell id	6020. 6	
6021. - Frequency info	6023. Not Present	
	6024. Absence of this IE is equivalent to value of the previous "frequency info" in the list.	
6025. - Cell info	6027. Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clasue 6.1.0b	
6028. …..	6030.	
6031. **- Inter-RAT cell info list**	6033.	
6034. ….	6036.	
6037. - New inter-RAT cells	6039.	
6040. - Inter-RAT cell id	6042. 9	
6043. - CHOICE *Radio Access Technology*	6045. GSM	

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6046.	- GSM	6048.	Same content as specified for inter-RAT cell id=9 in SIB11 for Cell 1 in sub-clause 6.1.0b
6049.	- Inter-RAT cell id	6051.	10
6052.	- CHOICE *Radio Access Technology*	6054.	GSM
6055.	- GSM	6057.	Same content as specified for inter-RAT cell id=10 in SIB11 for Cell 1 in sub-clause 6.1.0b
6058.	….	6060.	

Condition		Explanation	
6061.	A1	6062.	FDD cell environment
6063.	A2	6064.	FDD/GSM inter-RAT cell environment

Default settings for cell No.3 (TDD):

6065.	Downlink input level	6066. Reference clause 6 Parameter Set
6067.	Uplink output power	6068. Minimum supported by the UE's power class.
6069.	PCCPCH/PCPICH carrier number	6070. Reference clause 6 Parameter Set
6071.	Cell Channel Description	6072.
6073.	- Primary CCPCH info	6074.
6075.	- Cell parameters ID	6076. 8

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

6077. - Intra-frequency measurement system information	6078.
6079. ….	6080.
6081. - New intra-frequency cells	6082.
6083. - Intra-frequency cell id	6084. 3
6085. - Cell info	6086. Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.3 (TDD)" in clause 6.1.4

6087.	- Intra-frequency cell id	6088. 1
6089.	- Cell info	6090. Same content as specified for Intra-frequency cell id=2 (neigbour cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.1 (TDD)" in clause 6.1.4
6091.	- Intra-frequency cell id	6092. 2
6093.	- Cell info	6094. Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b
6095.	- Intra-frequency cell id	6096. 7
6097.	- Cell info	6098. Same content as specified for Intra-frequency cell id=7 in SIB11 for Cell 1 in sub-clause 6.1.0b
6099.	- Intra-frequency cell id	6100. 8
6101.	- Cell info	6102. Same content as specified for Intra-frequency cell id=8 in SIB11 for Cell 1 in sub-clause 6.1.0b
6103. …..		6104.
6105. **- Inter-frequency measurement system information**		6106.
6107. …..		6108.
6109.	- New inter-frequency cells	6110.
6111.	- Inter frequency cell id	6112. 4
6113.	- Frequency info	6114. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clasue 6.1.0b
6115.	- Cell info	6116. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clasue 6.1.0b
6117.	- Inter frequency cell id	6118. 5
6119.	- Frequency info	6120. Not Present
		6121. Absence of this IE is equivalent to value of the previous "frequency info" in the list.
6122.	- Cell info	6123. Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clasue 6.1.0b
6124.	- Inter frequency cell id	6125. 6

6126.	- Frequency info	6127.	Not Present
		6128.	Absence of this IE is equivalent to value of the previous "frequency info" in the list.
6129.	- Cell info	6130.	Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clasue 6.1.0b
	6131. …..	6132.	

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:

6133.	Cell identity	6134. 0000 0000 0000 0000 0000 0000 0100B
6135.	URA identity	6136. 0000 0000 0000 0010B

Default settings for cell No.4 (FDD):

6137.	Downlink input level	6138. Reference clause 6.10 Parameter Set
6139.	Uplink output power	6140. Minimum supported by the UE's power class.
6141.	PCCPCH/PCPICH carrier number	6142. Reference clause 6.10 Parameter Set
6143.	Cell Channel Description	6144.
6145.	- Primary CPICH info	6146.
6147.	- Primary scrambling code	6148. 250

Contents of System Information Block type 11 for cell No.4 (FDD)

6149. - Intra-frequency measurement system information		6151.
6152. ….		6154.
6155. - New intra-frequency cells		6157.
6158. - Intra-frequency cell id		6160. 4

6161. - Cell info		6163. Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1.4
6164. - Intra-frequency cell id		6166. 5
6167. - Cell info		6169. Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1.4
6170. - Intra-frequency cell id		6172. 6
6173. - Cell info		6175. Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1.4
6176. …..		6178.
6179. **- Inter-frequency measurement system information**		6181.
6182. …..		6184.
6185. - New inter-frequency cells		6187.
6188. - Inter-frequency cell id		6190. 1
6191. - Frequency info		6193.
6194. - UARFCN uplink(Nu)		6196. Not present
		6197. Absence of this IE is equivalent to apply the default duplex distance defined for the operating frequency according to 25.101
6198. - UARFCN downlink(Nd)		6200. Reference to table 6.1.2 for Cell 1

6201. - Cell info		6203. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1.4
6204. - Inter-frequency cell id		6206. 2
6207. - Frequency info		6209. Not Present
		6210. Absence of this IE is equivalent to value of the previous "frequency info" in the list.
6211. - Cell info		6213. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1.4
6214. - Inter-frequency cell id		6216. 3
6217. - Frequency info		6219. Not Present
		6220. Absence of this IE is equivalent to value of the previous "frequency info" in the list.
6221. - Cell info		6223. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1.4
6224. - Inter-frequency cell id		6226. 7
6227. - Frequency info		6229. Not Present
		6230. Absence of this IE is equivalent to value of the previous "frequency info" in the list.
6231. - Cell info		6233. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1.4

6234. - Inter-frequency cell id		6236. 8	
6237. - Frequency info		6239. Not Present	
		6240. Absence of this IE is equivalent to value of the previous "frequency info" in the list.	
6241. - Cell info		6243. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1.4	
6244. **- Inter-RAT cell info list**		6246.	
6247. ….		6249.	
6250. - New inter-RAT cells		6252.	
6253. - Inter-RAT cell id		6255. 9	
6256. - CHOICE *Radio Access Technology*		6258. GSM	
6259. - GSM		6261. Same content as specified for inter-RAT cell id=9 in SIB11 for Cell 1 in sub-clause 6.1.0b	
6262. - Inter-RAT cell id		6264. 10	
6265. - CHOICE *Radio Access Technology*		6267. GSM	
6268. - GSM		6270. Same content as specified for inter-RAT cell id=10 in SIB11 for Cell 1 in sub-clause 6.1.0b	
6271. ….		6273.	

Condition	Explanation
6274. A1	6275. FDD cell environment
6276. A2	6277. FDD/GSM inter-RAT cell environment

Default settings for cell No.4 (TDD):

6278. Downlink input level	6279. Reference clause 6 Parameter Set
6280. Uplink output power	6281. Minimum supported by the UE's power class.
6282. PCCPCH/PCPICH carrier number	6283. Reference clause 6 Parameter Set
6284. Cell Channel Description	6285.

6286. - Primary CCPCH info	6287.
6288. - Cell parameters ID	6289. 12

Contents of System Information Block type 11 for cell No.4 (TDD)

6290. - Intra-frequency measurement system information	6291.
6292. ….	6293.
6294. - New intra-frequency cells	6295.
6296. - Intra-frequency cell id	6297. 4
6298. - Cell info	6299. Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.4 (TDD)" in clause 6.1.4
6300. - Intra-frequency cell id	6301. 5
6302. - Cell info	6303. Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.5 (TDD)" in clause 6.1.4
6304. - Intra-frequency cell id	6305. 6
6306. - Cell info	6307. Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1.4
6308. …..	6309.
6310. **- Inter-frequency measurement system information**	6311.
6312. …..	6313.
6314. - New inter-frequency cells	6315.
6316. - Inter-frequency cell id	6317. 1
6318. - Frequency info	6319.
6320. - UARFCN downlink(Nt)	6321. Reference to table 6.1.7 for Cell 1

6322.	- Cell info	6323. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.1 (TDD)" in clause 6.1.4
6324.	- Inter-frequency cell id	6325. 2
6326.	- Frequency info	6327. Not Present
		6328. Absence of this IE is equivalent to value of the previous "frequency info" in the list.
6329.	- Cell info	6330. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1.4
6331.	- Inter-frequency cell id	6332. 3
6333.	- Frequency info	6334. Not Present
		6335. Absence of this IE is equivalent to value of the previous "frequency info" in the list.
6336.	- Cell info	6337. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.3 (TDD)" in clause 6.1.4
6338.	- Inter-frequency cell id	6339. 7
6340.	- Frequency info	6341. Not Present
		6342. Absence of this IE is equivalent to value of the previous "frequency info" in the list.
6343.	- Cell info	6344. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.7 (TDD)" in clause 6.1.4
6345.	- Inter-frequency cell id	6346. 8
6347.	- Frequency info	6348. Not Present
		6349. Absence of this IE is equivalent to value of the previous "frequency info" in the list.

6350. - Cell info	6351. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1.4

Cell No.5

The contents of SYSTEM INFORMATION BLOCK TYPE 1 to 16 messages for cell No.5 are identical to those of cell No.4 with the following exceptions:

6352. Cell identity	6353. 0000 0000 0000 0000 0000 0000 0101B
6354. URA identity	6355. 0000 0000 0000 0011B

Default settings for cell No.5 (FDD):

6356. Downlink input level	6357. Reference clause 6.10 Parameter Set
6358. Uplink output power	6359. Minimum supported by the UE's power class.
6360. PCCPCH/PCPICH carrier number	6361. Reference clause 6.10 Parameter Set
6362. Cell Channel Description	6363.
6364. - Primary CPICH info	6365.
6366. - Primary scrambling code	6367. 300

Contents of System Information Block type 11 for cell No.5 (FDD)

6368. - Intra-frequency measurement system information		6370.
6371. ….		6373.
6374. - New intra-frequency cells		6376.
6377. - Intra-frequency cell id		6379. 5

6380. - Cell info		6382. Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1.4
6383. - Intra-frequency cell id		6385. 4
6386. - Cell info		6388. Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1.4
6389. - Intra-frequency cell id		6391. 6
6392. - Cell info		6394. Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1.4
6395. …..		6397.
6398. **- Inter-frequency measurement system information**		6400.
6401. …..		6403.
6404. - New inter-frequency cells		6406.
6407. - Inter-frequency cell id		6409. 1
6410. - Frequency info		6412.
6413. - UARFCN uplink(Nu)		6415. Not present
		6416. Absence of this IE is equivalent to apply the default duplex distance defined for the operating frequency according to 25.101
6417. - UARFCN downlink(Nd)		6419. Reference to table 6.1.2 for Cell 1
6420. - Cell info		6422. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1.4

6423.	- Inter-frequency cell id		6425. 2
6426.	- Frequency info		6428. Not Present
			6429. Absence of this IE is equivalent to value of the previous "frequency info" in the list.
6430.	- Cell info		6432. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1.4
6433.	- Inter-frequency cell id		6435. 3
6436.	- Frequency info		6438. Not Present
			6439. Absence of this IE is equivalent to value of the previous "frequency info" in the list.
6440.	- Cell info		6442. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1.4
6443.	- Inter-frequency cell id		6445. 7
6446.	- Frequency info		6448. Not Present
			6449. Absence of this IE is equivalent to value of the previous "frequency info" in the list.
6450.	- Cell info		6452. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1.4
6453.	- Inter-frequency cell id		6455. 8
6456.	- Frequency info		6458. Not Present
			6459. Absence of this IE is equivalent to value of the previous "frequency info" in the list.
6460.	- Cell info		6462. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1.4

6463.	**- Inter-RAT cell info list**	6465.	
6466.	….	6468.	
6469.	- New inter-RAT cells	6471.	
6472.	- Inter-RAT cell id	6474.	9
6475.	- CHOICE *Radio Access Technology*	6477.	GSM
6478.	- GSM	6480.	Same content as specified for inter-RAT cell id=9 in SIB11 for Cell 1 in sub-clause 6.1.0b
6481.	- Inter-RAT cell id	6483.	10
6484.	- CHOICE *Radio Access Technology*	6486.	GSM
6487.	- GSM	6489.	Same content as specified for inter-RAT cell id=10 in SIB11 for Cell 1 in sub-clause 6.1.0b
6490. ….		6492.	

Condition		Explanation
6493.	A1	6494. FDD cell environment
6495.	A2	6496. FDD/GSM inter-RAT cell environment

Default settings for cell No.5 (TDD):

6497.	Downlink input level	6498. Reference clause 6 Parameter Set
6499.	Uplink output power	6500. Minimum supported by the UE's power class.
6501.	PCCPCH/PCPICH carrier number	6502. Reference clause 6 Parameter Set
6503.	Cell Channel Description	6504.
6505.	- Primary CCPCH info	6506.
6507.	- Cell parameters ID	6508. 114

Contents of System Information Block type 11 for cell No.5 (TDD)

6509.	**- Intra-frequency measurement system information**	6510.
6511.	….	6512.
6513.	- New intra-frequency cells	6514.
6515.	- Intra-frequency cell id	6516. 5

6517. - Cell info	6518. Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.5 (TDD)" in clause 6.1.4	
6519. - Intra-frequency cell id	6520. 4	
6521. - Cell info	6522. Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.4 (TDD)" in clause 6.1.4	
6523. - Intra-frequency cell id	6524. 6	
6525. - Cell info	6526. Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.6 (TDD)" in clause 6.1.4	
6527. …..	6528.	
6529. **- Inter-frequency measurement system information**	6530.	
6531. …..	6532.	
6533. - New inter-frequency cells	6534.	
6535. - Inter-frequency cell id	6536. 1	
6537. - Frequency info	6538.	
6539. - UARFCN downlink(Nt)	6540. Reference to table 6.1.7 for Cell 1	
6541. - Cell info	6542. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1.4	
6543. - Inter-frequency cell id	6544. 2	
6545. - Frequency info	6546. Not Present	
	6547. Absence of this IE is equivalent to value of the previous "frequency info" in the list.	

6548. - Cell info	6549. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.2 (TDD)" in clause 6.1.4
6550. - Inter-frequency cell id	6551. 3
6552. - Frequency info	6553. Not Present
	6554. Absence of this IE is equivalent to value of the previous "frequency info" in the list.
6555. - Cell info	6556. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.3 (TDD)" in clause 6.1.4
6557. - Inter-frequency cell id	6558. 7
6559. - Frequency info	6560. Not Present
	6561. Absence of this IE is equivalent to value of the previous "frequency info" in the list.
6562. - Cell info	6563. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.7 (TDD)" in clause 6.1.4
6564. - Inter-frequency cell id	6565. 8
6566. - Frequency info	6567. Not Present
	6568. Absence of this IE is equivalent to value of the previous "frequency info" in the list.
6569. - Cell info	6570. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.8 (TDD)" in clause 6.1.4

Cell No.6

The contents of SYSTEM INFORMATION BLOCK TYPE 1 to 16 messages for cell No.6 are identical to those of cell No.4 with the following exceptions:

6571. Cell identity	6572. 0000 0000 0000 0000 0000 0000 0110B

6573. URA identity	6574. 0000 0000 0000 0011B

Default settings for cell No.6 (FDD):

6575. Downlink input level	6576. Reference clause 6 Parameter Set
6577. Uplink output power	6578. Minimum supported by the UE's power class.
6579. PCCPCH/PCPICH carrier number	6580. Reference clause 6 Parameter Set
6581. Cell Channel Description	6582.
6583. - Primary CPICH info	6584.
6585. - Primary scrambling code	6586. 350

Contents of System Information Block type 11 for cell No.6 (FDD)

6587. - Intra-frequency measurement system information	6589.
6590. ….	6592.
6593. - New intra-frequency cells	6595.
6596. - Intra-frequency cell id	6598. 6
6599. - Cell info	6601. Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.6 (FDD)" in clause 6.1.4
6602. - Intra-frequency cell id	6604. 4
6605. - Cell info	6607. Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.4 (FDD)" in clause 6.1.4
6608. - Intra-frequency cell id	6610. 5

6611.	- Cell info		6613. Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.5 (FDD)" in clause 6.1.4
	6614. …..		6616.
6617.	**- Inter-frequency measurement system information**		6619.
6620.	…..		6622.
6623.	- New inter-frequency cells		6625.
	6626. - Inter-frequency cell id		6628. 1
	6629. - Frequency info		6631.
	6632. - UARFCN uplink(Nu)		6634. Not present
			6635. Absence of this IE is equivalent to apply the default duplex distance defined for the operating frequency according to 25.101
	6636. - UARFCN downlink(Nd)		6638. Reference to table 6.1.2 for Cell 1
	6639. - Cell info		6641. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1.4
	6642. - Inter-frequency cell id		6644. 2
	6645. - Frequency info		6647. Not Present
			6648. Absence of this IE is equivalent to value of the previous "frequency info" in the list.

6649.	- Cell info			6651. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.2 (FDD)" in clause 6.1.4
6652.	- Inter-frequency cell id			6654. 3
6655.	- Frequency info			6657. Not Present
				6658. Absence of this IE is equivalent to value of the previous "frequency info" in the list.
6659.	- Cell info			6661. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.3 (FDD)" in clause 6.1.4
6662.	- Inter-frequency cell id			6664. 7
6665.	- Frequency info			6667. Not Present
				6668. Absence of this IE is equivalent to value of the previous "frequency info" in the list.
6669.	- Cell info			6671. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1.4
6672.	- Inter-frequency cell id			6674. 8
6675.	- Frequency info			6677. Not Present
				6678. Absence of this IE is equivalent to value of the previous "frequency info" in the list.

6679. - Cell info		6681. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1.4
6682. …..		6684.
6685. **- Inter-RAT cell info list**		6687.
6688. ….		6690.
6691. - New inter-RAT cells		6693.
6694. - Inter-RAT cell id		6696. 9
6697. - CHOICE *Radio Access Technology*		6699. GSM
6700. - GSM		6702. Same content as specified for inter-RAT cell id=9 in SIB11 for Cell 1 in sub-clause 6.1.0b
6703. - Inter-RAT cell id		6705. 10
6706. - CHOICE *Radio Access Technology*		6708. GSM
6709. - GSM		6711. Same content as specified for inter-RAT cell id=10 in SIB11 for Cell 1 in sub-clause 6.1.0b
6712. ….		6714.

Condition	Explanation
6715. A1	6716. FDD cell environment
6717. A2	6718. FDD/GSM inter-RAT cell environment

Default settings for cell No.6 (TDD):

6719. Downlink input level	6720. Reference clause 6 Parameter Set
6721. Uplink output power	6722. Minimum supported by the UE's power class.
6723. PCCPCH/PCPICH carrier number	6724. Reference clause 6 Parameter Set
6725. Cell Channel Description	6726.
6727. - Primary CCPCH info	6728.
6729. - Cell parameters ID	6730. 119

Contents of System Information Block type 11 for cell No.6 (TDD)

6731. - Intra-frequency measurement system information	6732.	
6733. ….	6734.	
6735. - New intra-frequency cells	6736.	
6737. - Intra-frequency cell id	6738. 6	
6739. - Cell info	6740. Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.6 (TDD)" in clause 6.1.4	
6741. - Intra-frequency cell id	6742. 4	
6743. - Cell info	6744. Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.4 (TDD)" in clause 6.1.4	
6745. - Intra-frequency cell id	6746. 5	
6747. - Cell info	6748. Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.5 (TDD)" in clause 6.1.4	
6749. …..	6750.	
6751. - Inter-frequency measurement system information	6752.	
6753. …..	6754.	
6755. - New inter-frequency cells	6756.	
6757. - Inter-frequency cell id	6758. 1	
6759. - Frequency info	6760.	
6761. - UARFCN downlink(Nt)	6762. Reference to table 6.1.7 for Cell 1	
6763. - Cell info	6764. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.1 (TDD)" in clause 6.1.4	
6765. - Inter-frequency cell id	6766. 2	

6767. - Frequency info	6768. Not Present	
	6769. Absence of this IE is equivalent to value of the previous "frequency info" in the list.	
6770. - Cell info	6771. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.2 (TDD)" in clause 6.1.4	
6772. - Inter-frequency cell id	6773. 3	
6774. - Frequency info	6775. Not Present	
	6776. Absence of this IE is equivalent to value of the previous "frequency info" in the list.	
6777. - Cell info	6778. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.3 (TDD)" in clause 6.1.4	
6779. - Inter-frequency cell id	6780. 7	
6781. - Frequency info	6782. Not Present	
	6783. Absence of this IE is equivalent to value of the previous "frequency info" in the list.	
6784. - Cell info	6785. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.7 (TDD)" in clause 6.1.4	
6786. - Inter-frequency cell id	6787. 8	
6788. - Frequency info	6789. Not Present	
	6790. Absence of this IE is equivalent to value of the previous "frequency info" in the list.	
6791. - Cell info	6792. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.8 (TDD)" in clause 6.1.4	
6793. …..	6794.	

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:

6795. Cell identity	6796. 0000 0000 0000 0000 0000 0000 0111B
6797. URA identity	6798. 0000 0000 0000 0100B

Default settings for cell No.7 (FDD):

6799. Downlink input level	6800. Reference clause 6.10 Parameter Set
6801. Uplink output power	6802. Minimum supported by the UE's power class.
6803. PCCPCH/PCPICH carrier number	6804. Reference clause 6.10 Parameter Set
6805. Cell Channel Description	6806.
6807. - Primary CPICH info	6808.
6809. - Primary scrambling code	6810. 400

Contents of System Information Block type 11 for cell No.7 (FDD)

6811. - Intra-frequency measurement system information	6812.
6813. ….	6814.
6815. - New intra-frequency cells	6816.
6817. - Intra-frequency cell id	6818. 7
6819. - Cell info	6820. Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.7 (FDD)" in clause 6.1.4
6821. - Intra-frequency cell id	6822. 1
6823. - Cell info	6824. Same content as specified for Intra-frequency cell id=2 (neigbour cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1.4
6825. - Intra-frequency cell id	6826. 2

6827. - Cell info	6828. Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b
6829. - Intra-frequency cell id	6830. 3
6831. - Cell info	6832. Same content as specified for Intra-frequency cell id=3 in SIB11 for Cell 1 in sub-clause 6.1.0b
6833. - Intra-frequency cell id	6834. 8
6835. - Cell info	6836. Same content as specified for Intra-frequency cell id=8 in SIB11 for Cell 1 in sub-clause 6.1.0b
6837. …..	6838.
6839. **- Inter-frequency measurement system information**	6840.
6841. …..	6842.
6843. - New inter-frequency cells	6844.
6845. - Inter frequency cell id	6846. 4
6847. - Frequency info	6848. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clasue 6.1.0b
6849. - Cell info	6850. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clasue 6.1.0b
6851. - Inter frequency cell id	6852. 5
6853. - Frequency info	6854. Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clasue 6.1.0b
6855. - Cell info	6856. Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clasue 6.1.0b
6857. - Inter frequency cell id	6858. 6
6859. - Frequency info	6860. Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clasue 6.1.0b
6861. - Cell info	6862. Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clasue 6.1.0b
6863. …..	6864.

Default settings for cell No.7 (TDD):

6865. Downlink input level	6866. Reference clause 6 Parameter Set
6867. Uplink output power	6868. Minimum supported by the UE's power class.

6869.	PCCPCH/PCPICH carrier number	6870. Reference clause 6 Parameter Set
6871.	Cell Channel Description	6872.
6873.	- Primary CCPCH info	6874.
6875.	- Cell parameters ID	6876. 123

Contents of System Information Block type 11 for cell No.7 (TDD)

6877.	**- Intra-frequency measurement system information**	6878.
6879.	….	6880.
6881.	- New intra-frequency cells	6882.
6883.	- Intra-frequency cell id	6884. 7
6885.	- Cell info	6886. Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.7 (TDD)" in clause 6.1.4
6887.	- Intra-frequency cell id	6888. 1
6889.	- Cell info	6890. Same content as specified for Intra-frequency cell id=2 (neigbour cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.1 (TDD)" in clause 6.1.4
6891.	- Intra-frequency cell id	6892. 2
6893.	- Cell info	6894. Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b
6895.	- Intra-frequency cell id	6896. 3
6897.	- Cell info	6898. Same content as specified for Intra-frequency cell id=3 in SIB11 for Cell 1 in sub-clause 6.1.0b
6899.	- Intra-frequency cell id	6900. 8
6901.	- Cell info	6902. Same content as specified for Intra-frequency cell id=8 in SIB11 for Cell 1 in sub-clause 6.1.0b
6903.	…..	6904.
6905.	**- Inter-frequency measurement system information**	6906.
6907.	…..	6908.

6909.	- New inter-frequency cells	6910.
6911.	- Inter frequency cell id	6912. 4
6913.	- Frequency info	6914. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clasue 6.1.0b
6915.	- Cell info	6916. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clasue 6.1.0b
6917.	- Inter frequency cell id	6918. 5
6919.	- Frequency info	6920. Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clasue 6.1.0b
6921.	- Cell info	6922. Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clasue 6.1.0b
6923.	- Inter frequency cell id	6924. 6
6925.	- Frequency info	6926. Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clasue 6.1.0b
6927.	- Cell info	6928. Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clasue 6.1.0b
6929. …..		6930.

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:

6931. Cell identity	6932. 0000 0000 0000 0000 0000 0000 1000B
6933. URA identity	6934. 0000 0000 0000 0100B

Default settings for cell No.8 (FDD):

6935. Downlink input level	6936. Reference clause 6.10 Parameter Set
6937. Uplink output power	6938. Minimum supported by the UE's power class.
6939. PCCPCH/PCPICH carrier number	6940. Reference clause 6.10 Parameter Set
6941. Cell Channel Description	6942.
6943. - Primary CPICH info	6944.
6945. - Primary scrambling code	6946. 450

Contents of System Information Block type 11 for cell No.8 (FDD)

6947. - Intra-frequency measurement system information	6948.
6949. ….	6950.
6951. - New intra-frequency cells	6952.
6953. - Intra-frequency cell id	6954. 8
6955. - Cell info	6956. Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.8 (FDD)" in clause 6.1.4
6957. - Intra-frequency cell id	6958. 1
6959. - Cell info	6960. Same content as specified for Intra-frequency cell id=2 (neigbour cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.1 (FDD)" in clause 6.1.4
6961. - Intra-frequency cell id	6962. 2
6963. - Cell info	6964. Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b
6965. - Intra-frequency cell id	6966. 3
6967. - Cell info	6968. Same content as specified for Intra-frequency cell id=3 in SIB11 for Cell 1 in sub-clause 6.1.0b
6969. - Intra-frequency cell id	6970. 7
6971. - Cell info	6972. Same content as specified for Intra-frequency cell id=7 in SIB11 for Cell 1 in sub-clause 6.1.0b
6973. …..	6974.
6975. **- Inter-frequency measurement system information**	6976.
6977. …..	6978.
6979. - New inter-frequency cells	6980.
6981. - Inter frequency cell id	6982. 4
6983. - Frequency info	6984. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clasue 6.1.0b

6985.	- Cell info	6986.	Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clasue 6.1.0b
6987.	- Inter frequency cell id	6988.	5
6989.	- Frequency info	6990.	Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clasue 6.1.0b
6991.	- Cell info	6992.	Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clasue 6.1.0b
6993.	- Inter frequency cell id	6994.	6
6995.	- Frequency info	6996.	Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clasue 6.1.0b
6997.	- Cell info	6998.	Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clasue 6.1.0b
6999.	…..	7000.	

Default settings for cell No.8 (TDD):

7001. Downlink input level	7002.	Reference clause 6 Parameter Set
7003. Uplink output power	7004.	Minimum supported by the UE's power class.
7005. PCCPCH/PCPICH carrier number	7006.	Reference clause 6 Parameter Set
7007. Cell Channel Description	7008.	
7009. - Primary CCPCH info	7010.	
7011. - Cell parameters ID	7012.	127

Contents of System Information Block type 11 for cell No.8 (TDD)

7013. - Intra-frequency measurement system information	7014.
7015. ….	7016.
7017. - New intra-frequency cells	7018.
7019. - Intra-frequency cell id	7020. 8

7021.	- Cell info	7022. Same content as specified for Intra-frequency cell id=1 (serving cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.8 (TDD)" in clause 6.1.4
7023.	- Intra-frequency cell id	7024. 1
7025.	- Cell info	7026. Same content as specified for Intra-frequency cell id=2 (neigbour cell) in SIB11 for Cell 1 in sub-clause 6.1.0b with the exception that value for Primary scrambling code shall be according to clause titled "Default settings for cell No.1 (TDD)" in clause 6.1.4
7027.	- Intra-frequency cell id	7028. 2
7029.	- Cell info	7030. Same content as specified for Intra-frequency cell id=2 in SIB11 for Cell 1 in sub-clause 6.1.0b
7031.	- Intra-frequency cell id	7032. 3
7033.	- Cell info	7034. Same content as specified for Intra-frequency cell id=3 in SIB11 for Cell 1 in sub-clause 6.1.0b
7035.	- Intra-frequency cell id	7036. 7
7037.	- Cell info	7038. Same content as specified for Intra-frequency cell id=7 in SIB11 for Cell 1 in sub-clause 6.1.0b
7039. …..		7040.
7041. **- Inter-frequency measurement system information**		7042.
7043. …..		7044.
7045. - New inter-frequency cells		7046.
7047. - Inter frequency cell id		7048. 4
7049. - Frequency info		7050. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clasue 6.1.0b
7051. - Cell info		7052. Same content as specified for Inter-frequency cell id=4 in SIB11 for Cell 1 in sub-clasue 6.1.0b
7053. - Inter frequency cell id		7054. 5
7055. - Frequency info		7056. Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clasue 6.1.0b
7057. - Cell info		7058. Same content as specified for Inter-frequency cell id=5 in SIB11 for Cell 1 in sub-clasue 6.1.0b

7059.	- Inter frequency cell id	7060. 6
7061.	- Frequency info	7062. Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clasue 6.1.0b
7063.	- Cell info	7064. Same content as specified for Inter-frequency cell id=6 in SIB11 for Cell 1 in sub-clasue 6.1.0b
	7065. …..	7066.

Cell No.9

Contents of System Information for cell No.9 (GSM)

See TS 51.010-1 [31], clause 10.1.2.

Default settings for cell No.9 (GSM):

See table 6.1.10

Cell No.10

Contents of System Information for cell No.10 (GSM)

See TS 51.010-1 [31], clause 10.1.2.

Default settings for cell No.10 (GSM):

See table 6.1.10

6.1.5 Reference Radio Conditions for signalling test cases (FDD)

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

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

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

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

Table 6.1.2: Default settings for a serving cell and a suitable neighbour cell in a multi-cell enviromemt

Parameter	Unit	Cell 1	Cell 2	Cell 4
Cell type		**Serving cell**	Suitable neighbour intra-frequency cell	Suitable neighbour inter-frequency cell
UTRA RF Channel Number		Channel 1	Channel 1	Channel 2
Qqualmin	dB	-24	-24	
Qrxlevmin	dBm	-81	-81	
UE_TXPWR_MAX_RACH	dBm	21	21	
CPICH Ec (see notes 1 and 2)	dBm/3.84 MHz	-60	-70	

Table 6.1.3: Default settings for a non-suitable cell

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

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

NOTE 2: The cell is not suitable according to TS 25.304, 3.2.1.1.

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

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

Table 6.1.5: Default power levels of physical channels relative to CPICH_Ec

Parameter	Unit	Level Idle mode	Level Connected mode
DPCH_Ec	dB	(NOTE)	-5
PCCPCH_Ec	dB	-2	
SCCPCH_Ec	dB	-2	
AICH_Ec	dB	-5	
SCH_Ec	dB	-2	
PICH_Ec	dB	-5	

6.1.6 Reference Radio Conditions for signalling test cases (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

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

Parameter	Unit	Cell 1	Cell 2	Cell 4
Cell type		**Serving cell**	Suitable neighbour intra-frequency cell	Suitable neighbour inter-frequency cell
NOTE: The cell is not suitable according to TS 25.304, 4.2.3.1.2.				
UTRA RF Channel Number		Channel 1	Channel 1	Channel 2
Qrxlevmin	dBm	−81	−81	
UE_TXPWR_MAX_RACH	dBm	21	21	
PCCPCH RSCP	dBm	−60	−70	

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

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

6.1.7   Reference Radio Conditions for signalling test cases (GSM)

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

Table 6.1.10: Default settings for a serving cell and a suitable neighbour cell in a multi-cell enviroment

Parameter	Unit	Cell 9	Cell 10
Cell type		**Serving cell**	**Suitable neighbour cell**
GSM RF Channel Number		Channel 1	Channel 2
Base transceiver Station Identity Code (BSIC)		BSIC1	BSIC2
Qrxlevmin	dBm	-81	-81
MS_TXPWR_MAX_CCH	dBm	According to maximum output power for the power class of the MS under test	
RF level	dBm	-48	-54

Table 6.1.11: Default settings for a non-suitable cell

NOTE: 1: Both cells fulfil TS25.304 criteria to TS25.304, 6.2.3.1.4.5		
Parameter	Unit	Level
Qrxlevmin	dBm	-81
MS_TXPWR_MAX_CCH	dBm	According to maximum output power for the power class of the MS under test
RF level	dBm	-90

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	7067. 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
2	7068. 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	7069. 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	7070. This configuration is intended to provide the capability for extensive cell selection and reselection testing, as defined under Idle Mode Testing.
	7071. It is <ffs> if 7 is the correct number of cells and also <ffs> is 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 Mode
	TSTD	STTD	
7072. P-CCPCH	–	X	–
7073. SCH	X	–	–
7074. S-CCPCH	–	X	–
7075. DPCH	–	X	–
7076. PICH	–	X	–
7077. AICH	–	X	–

6.7.2.2 Diverse Operation (TDD mode)

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

6.7.2.2.1 3.84.Mcps option

Physical channel type 7078.	Open loop TxDiversity		Closed loop TxDiversity
	TSTD	SCTD	
7079. P-CCPCH	–	X	–
7080. SCH	X	–	–
7081. DPCH	–	–	X

ETSI

6.7.2.2.2   1.28 Mcps option

Physical channel type 7082.	Open loop TxDiversity		Closed loop TxDiversity
	TSTD	Block STTD	
7083. P-CCPCH	X	X	–
7084. DwPCH	X	–	–
7085. DPCH	X	–	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 measurment 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
7086. TGSN (Transmission Gap Starting Slot Number)	4	7087.
7088. TGL1 (Transmission Gap Length 1)	7	7089.
7090. TGL2 (Transmission Gap Length 2)	–	7091. Only one gap in use.
7092. TGD (Transmission Gap Distance)	0	7093.
7094. TGPL1 (Transmission Gap Pattern Length)	3	7095.
7096. TGPL2 (Transmission Gap Pattern Length)	–	7097. Only one pattern in use.
7098. TGCFN (Transmission Gap Connection Frame Number):	(Current CFN + (256 – TTI/10msec))mod 256	7099.
7100. UL/DL compressed	DL, UL or DL & UL	7101. 3

mode selection		configurations possible. DL, UL or both DL and UL
7102. UL compressed mode method	`SF/2`	7103.
7104. DL compressed mode method	`SF/2`	7105.
7106. Scrambling code change	`No`	7107.
7108. RPP (Recovery period power control mode)	`0`	7109.
7110. ITP (Initial transmission power control mode)	`0`	7111.

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
7112. TGSN (Transmission Gap Starting Slot Number)	`10`	7113.
7114. TGL1 (Transmission Gap Length 1)	`10`	7115.
7116. TGL2 (Transmission Gap Length 2)	`-`	7117. Only one gap in use.
7118. TGD (Transmission Gap Distance)	`0`	7119.
7120. TGPL1 (Transmission Gap Pattern Length)	`11`	7121.
7122. TGPL2 (Transmission Gap Pattern Length)	`-`	7123. Only one pattern in use.
7124. TGCFN (Transmission Gap Connection Frame Number):	`(Current CFN + (256 – TTI/10msec))mod 256`	7125.
7126. UL/DL compressed mode selection	`DL, UL or DL & UL`	7127. 3 configurations possible. DL, UL or both DL and UL

7128. UL compressed mode method	SF/2	7129.
7130. DL compressed mode method	Puncturing	7131.
7132. Scrambling code change	No	7133.
7134. RPP (Recovery period power control mode)	0	7135.
7136. ITP (Initial transmission power control mode)	0	7137.

6.8.1.3 Inter RAT measurement (GSM - Carrier RSSI)

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

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

Parameter	Value	Note
7138. TGSN (Transmission Gap Starting Slot Number)	4	7139.
7140. TGL1 (Transmission Gap Length 1)	7	7141.
7142. TGL2 (Transmission Gap Length 2)	–	7143. Only one gap in use.
7144. TGD (Transmission Gap Distance)	0	7145.
7146. TGPL1 (Transmission Gap Pattern Length)	12	7147.
7148. TGPL2 (Transmission Gap Pattern Length)	–	7149. Only one pattern in use.
7150. TGCFN (Transmission Gap Connection Frame Number):	(Current CFN + (256 – TTI/10msec))mod 256	7151.
7152. UL/DL compressed mode selection	DL, UL or DL & UL	7153. 3 configurations possible. DL, UL or both DL and UL
7154. UL compressed mode method	SF/2	7155.
7156. DL compressed mode method	SF/2	7157.

Parameter	Value	Note
7158. Scrambling code change	No	7159.
7160. RPP (Recovery period power control mode)	0	7161.
7162. ITP (Initial transmission power control mode)	0	7163.

6.8.1.4 Inter RAT measurement (GSM – Initial BSIC Identification)

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

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

Parameter	Value	Note
7164. TGSN (Transmission Gap Starting Slot Number)	4	7165.
7166. TGL1 (Transmission Gap Length 1)	7	7167.
7168. TGL2 (Transmission Gap Length 2)	–	7169. Only one gap in use.
7170. TGD (Transmission Gap Distance)	0	7171.
7172. TGPL1 (Transmission Gap Pattern Length)	8	7173.
7174. TGPL2 (Transmission Gap Pattern Length)	–	7175. Only one pattern in use.
7176. TGCFN (Transmission Gap Connection Frame Number):	(Current CFN + (256 – TTI/10msec))mod 256	7177.
7178. UL/DL compressed mode selection	DL, UL or DL & UL	7179. 3 configurations possible. DL, UL or both DL and UL
7180. UL compressed mode method	SF/2	7181.
7182. DL compressed mode method	SF/2	7183.
7184. Scrambling code change	No	7185.
7186. RPP (Recovery period power control mode)	0	7187.

7188. ITP (Initial transmission power control mode)	0	7189.

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
7190. TGSN (Transmission Gap Starting Slot Number)	4	7191.
7192. TGL1 (Transmission Gap Length 1)	7	7193.
7194. TGL2 (Transmission Gap Length 2)	–	7195. Only one gap in use.
7196. TGD (Transmission Gap Distance)	0	7197.
7198. TGPL1 (Transmission Gap Pattern Length)	8	7199.
7200. TGPL2 (Transmission Gap Pattern Length)	–	7201. Only one pattern in use.
7202. TGCFN (Transmission Gap Connection Frame Number):	(Current CFN + (256 – TTI/10msec))mod 256	7203.
7204. UL/DL compressed mode selection	DL, UL or DL & UL	7205. 3 configurations possible. DL, UL or both DL and UL
7206. UL compressed mode method	SF/2	7207.
7208. DL compressed mode method	SF/2	7209.
7210. Scrambling code change	No	7211.
7212. RPP (Recovery period power control mode)	0	7213.
7214. ITP (Initial transmission power control mode)	0	7215.

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
7216. TGSN (Transmission Gap Starting Slot Number)	4	4	7217.	7218.
7219. TGL1 (Transmission Gap Length 1)	7	7	7220.	7221.
7222. TGL2 (Transmission Gap Length 2)	–	–	7223.	7224. Only one gap in use.
7225. TGD (Transmission Gap Distance)	0	0	7226.	7227.
7228. TGPL1 (Transmission Gap Pattern Length)	12	8	7229.	7230.
7231. TGPL2 (Transmission Gap Pattern Length)	–	–	7232.	7233. Only one pattern in use.
7234. TGCFN (Transmission Gap Connection Frame Number):	(Current CFN + (252 – TTI/10msec))mod 256	(Current CFN + (254 – TTI/10msec))mod 256	7235. Current	7236. Defined by higher la

			CFN + (250 - TTI/10msec)) mod 256	yers
7237. UL/DL compressed mode selection	DL, UL or DL & UL	DL, UL or DL & UL	7238. I, UL or DL & UL	7239. 3 configurations possible. DL, UL or both DL and UL
7240. UL compressed mode method	SF/2	SF/2	7241. F/	7242.

			2	
7243. DL compressed mode method	SF/2	SF/2	7244. F / 2	7245.
7246. Scrambling code change	No	No	7247. o	7248.
7249. RPP (Recovery period power control mode)	0	0	7250.	7251.
7252. ITP (Initial transmission power control mode)	0	0	7253.	7254.

6.8.2.2 Inter Frequency FDD measurement & Inter RAT measurement GSM

FFS

6.8.2.3 Inter Frequency FDD measurement & Inter Frequency TDD measurement

FFS

6.8.2.4 Inter Frequency TDD measurement & Inter RAT measurement GSM

FFS

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

FFS

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 purpose of the reference radio bearer configurations is to ensure interoperability of UE's in different regions and networks.

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

NOTE   If not specifically specified then the mid-value of the RM attríbute 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
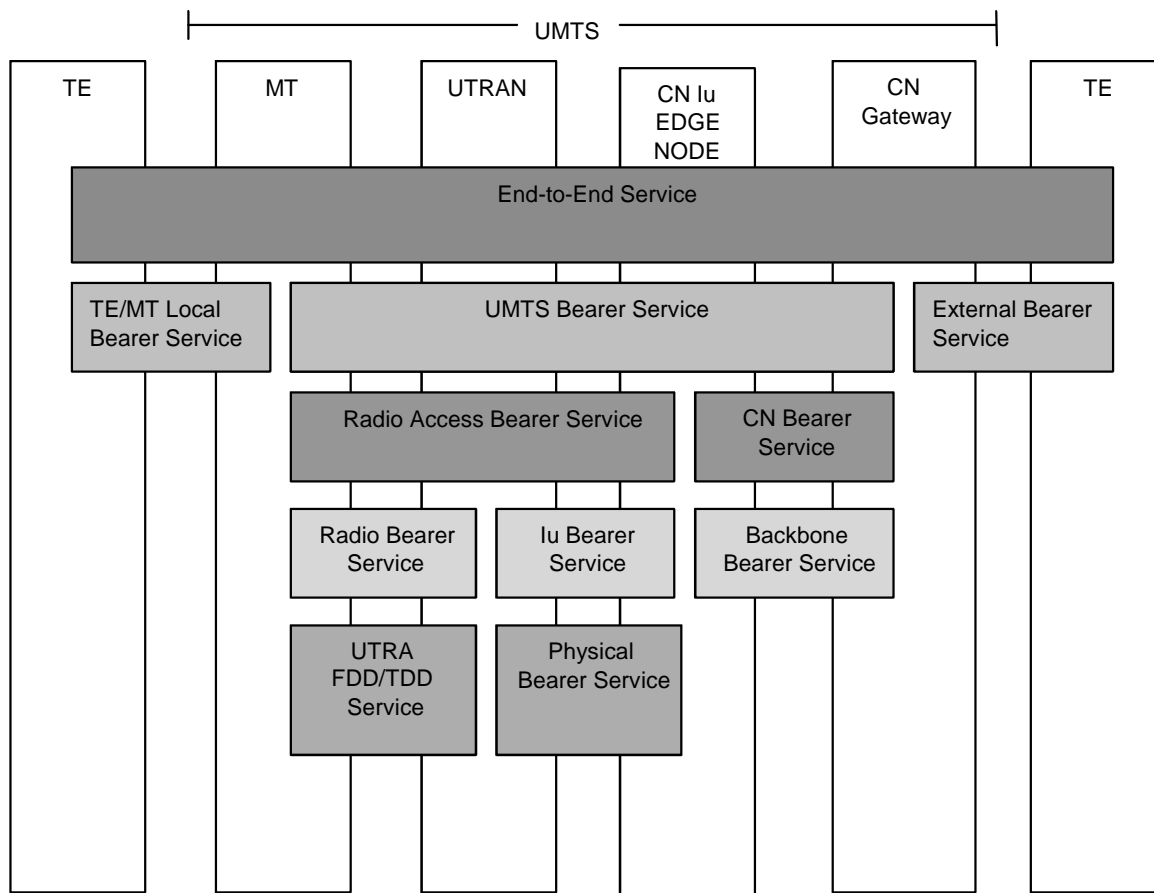
The Radio Access Bearer Service is characterised by a number of attributes such as Traffic class, Maximum bit rate, Guaranteed bit rate, SDU error ratio, Residual BER, Transfer Delay etc. As a first approach the four following attributes have been considered to come up with the parameter settings in 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.
```

Table 6.10.1.1: Traffic classes

Traffic class	Conversational class conversational RT	Streaming class streaming RT	Interactive class Interactive best effort	Background Background best effort
7255. Fundamental characteristics	7256. - Preserve time relation (variation) between information entities of the stream 7257. Conversational pattern (stringent and low delay)	7258. - Preserve time relation (variation) between information entities of the stream (i.e. some but constant delay)	7259. Request response pattern 7260. Preserve payload content	7261. Destination is not expecting the data within a certain time 7262. Preserve payload content
7263. Example of the application	7264. - speech, video, …	7265. - facsimile (NT) 7266. - streaming audio and video	7267. - Web browsing	7268. - background download of emails

6.10.2   RAB and signalling RB for FDD

6.10.2.1   RABs and signalling RBs

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

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

Table 6.10.2.1.1: Prioritised RABs.

#	Traffic class [15]	SSD [15]	Max. rate, kbps	CS/PS
1	Conversational	Speech	UL:12.2 DL:12.2	CS
1a	Conversational	Speech	UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75)	CS
2	Conversational	Speech	UL:10.2 DL:10.2	CS
2a	Conversational	Speech	UL:(10.2, 6.7, 5.9, 4.75) DL:(10.2, 6.7, 5.9, 4.75)	CS
3	Conversational	Speech	UL:7.95 DL:7.95	CS
4	Conversational	Speech	UL:7.4 DL:7.4	CS
4a	Conversational	Speech	UL:(7.4, 6.7, 5.9, 4.75) DL:(7.4, 6.7, 5.9, 4.75)	CS
5	Conversational	Speech	UL:6.7 DL:6.7	CS
6	Conversational	Speech	UL:5.9 DL:5.9	CS
7	Conversational	Speech	UL:5.15 DL:5.15	CS
8	Conversational	Speech	UL:4.75 DL:4.75	CS
9	Conversational	Unknown	UL:28.8 DL:28.8	CS
10	Conversational	Unknown	UL:64 DL:64	CS
11	Conversational	Unknown	UL:32 DL:32	CS
11a	Conversational	Unknown	UL:8 DL:8	PS
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	Void			
15a	Streaming	Unknown	UL:16 DL:64	PS
16	Void			
17	Void			
18	Void			
19	Void			
20	Interactive or Background	N/A	UL:32 DL:8	PS
20a	Interactive or Background	N/A	UL:8 DL:8	PS
20b	Interactive or Background	N/A	UL:16 DL:16	PS
20c	Interactive or Background	N/A	UL:32 DL:32	PS
21	Void			
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	Void			
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) Void

   19) Void.

   20) Void.

   21) Void.

   22) Void.

   23) Interactive or background / UL:32 DL:8 kbps / PS RAB
   + UL:3.4 DL:3.4 kbps SRBs for DCCH.

   23a) Interactive or background / UL:8 DL:8 kbps / PS RAB
   + UL:3.4 DL:3.4 kbps SRBs for DCCH.

   23b) Interactive or background / UL:16 DL:16 kbps / PS RAB
   + UL:3.4 DL:3.4 kbps SRBs for DCCH.

   23c) Interactive or background / UL:32 DL:32 kbps / PS RAB
   + UL:3.4 DL:3.4 kbps SRBs for DCCH.

   23d) Interactive or background / UL:32 DL:32 kbps / PS RAB (20 ms TTI)
   + UL:3.4 DL:3.4 kbps SRBs for DCCH.

   24) Void

   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) Void

37) Void

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) Void

47) Void.

48) Void.

49) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB
+ Conversational / unknown / UL:64 DL:64 kbps / CS RAB
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.

49a) Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB
+ Conversational / unknown / UL:64 DL:64 kbps / CS RAB
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.

50) Conversational / unknown / UL:64 DL:64 kbps / CS RAB
+ Conversational / unknown / UL:64 DL:64 kbps / CS RAB
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.

51) Conversational / unknown / UL:64 DL:64 kbps / CS RAB
+ Interactive or background / UL:64 DL:64 kbps / PS RAB
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.

51a) Conversational / unknown / UL:64 DL:64 kbps / CS RAB
+ Interactive or Background / UL:8 DL:8 kbps / PS RAB
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.

51b) Conversational / unknown / UL:64 DL:64 kbps / CS RAB
+ Interactive or Background / UL:16 DL:64 kbps / PS RAB
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.

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

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

54) Void

55) Void.

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

57) Interactive or background / UL:64 DL:64 kbps / PS RAB
+ Interactive or background / UL:64 DL:64 kbps / PS RAB
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.

58) Streaming / unknown / UL:16 DL:64 kbps / PS RAB
+ Interactive or background / UL:8 DL:8 kbps / PS RAB
+ UL:3.4 DL:3.4 kbps SRBs for DCCH.

59) Reserved for future use.

60) Reserved for future use.

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

Combinations on DSCH and DPCH

1) Void

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) Void

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

RAB				Residual BER [15]	Services
Traffic class [15]	SSD [15]	Max. rate, kbps	CS/PS		
Conversational	Speech	UL:4.75-12.2 DL:4.75-12.2	CS	5×10^{-4}, 1×10^{-3}, 5×10^{-3}	AMR speech
Conversational	Unknown	UL:64 DL:64	CS	1×10^{-4} or 1×10^{-6}	UDI 1B, 64k 3G-324M [15]
Conversational	Unknown	UL:32 DL:32	CS	1×10^{-4} or 1×10^{-6}	32k 3G-324M [15]
Conversational	Unknown	UL:28.8 DL:28.8	CS	1×10^{-3}	Transparent modem
Streaming	Unknown	UL:14.4 DL:14.4	CS	1×10^{-3}	FAX[6]
Streaming	Unknown	UL:28.8 DL:28.8	CS	1×10^{-3}	FAX [18] PIAFS 32 kbps
Streaming	Unknown	UL:57.6 DL:57.6	CS	1×10^{-3}	Modem [18], FTM [17] PIAFS 64 kbps
Streaming	Unknown	UL:64-128 or DL:64-384	CS	1×10^{-3} or 1×10^{-4}	Streaming video, uni-directional
Interactive or Background	N/A	UL:32-384 DL:8-2048	PS	1×10^{-3} or 1×10^{-4}	Packet

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

6.10.2.4.1.1.1.1 Transport channel parameters

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

7269. Higher layer	7270. RAB/signalling RB	**SRB#1**	**SRB#2**	**SRB#3**	**SRB#4**
	7271. User of Radio Bearer	RRC	RRC	NAS_DT High prio	NAS_DT Low prio
7272. RLC	7273. Logical channel type	DCCH	DCCH	DCCH	DCCH
	7274. RLC mode	UM	AM	AM	AM
	7275. Payload sizes, bit	136	128	128	128
	7276. Max data rate, bps	1700	1600	1600	1600
	7277. AMD/UMD PDU header, bit	8	16	16	16
7278. MAC	7279. MAC header, bit	4	4	4	4
	7280. MAC multiplexing	4 logical channel multiplexing			
7281. Layer 1	7282. TrCH type	DCH			
	7283. TB sizes, bit	148 (alt 0, 148)			
	7284. TFS / 7285. TF 0, bits	0x148 (alt 1x0)			
	7286. TF 1, bits	1x148			
	7287. TTI, ms	80			
	7288. Coding type	CC 1/3			
	7289. CRC, bit	16			
	7290. Max number of bits/TTI before rate matching	516			

	7291. Uplink: Max number of bits/radio frame before rate matching	65
7292.	7293. RM attribute	155-185

6.10.2.4.1.1.1.1.2   TFCS

7294. T FC S siz e	7295. 2
7296. T FC S	7297. SRBs for DCCH = TF0, TF1

6.10.2.4.1.1.1.2   Physical channel parameters

7298. D PC H Upl ink	7299.	
	7300.	
	7301. Min spreading factor	256
	7302. Max number of DPDCH data bits/radio frame	150
	7303. 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

7304. H igh er lay er	7305. RAB/signalling RB	**SRB#1**	**SRB#2**	**SRB#3**	**SRB#4**
	7306. User of Radio Bearer	RRC	RRC	NAS_DT High prio	NAS_DT Low prio
7307. R LC	7308. Logical channel type	DCCH	DCCH	DCCH	DCCH
	7309. RLC mode	UM	AM	AM	AM
	7310. Payload sizes, bit	136	128	128	128
	7311. Max data rate, bps	1700	1600	1600	1600
	7312. AMD/UMD PDU header, bit	8	16	16	16

7313. MAC	7314. MAC header, bit	4	4	4	4
	7315. MAC multiplexing	4 logical channel multiplexing			
	7317. TrCH type	DCH			
	7318. TB sizes, bit	148 (alt 0, 148) (note)			
	7319. TFS	7320. TF0, bits	0 x148 (alt 1x0) (note)		
		7321. TF1, bits	1x148		
	7322. TTI, ms	80			
	7323. Coding type	CC 1/3			

NOTE: alternative parameters enable the measurement "transport channel BLER" in the UE.

	7324. CRC, bit	16
	7325. Max number of bits/TTI before rate matching	516
7326.	7327. RM attribute	155-185

6.10.2.4.1.1.2.1.2   TFCS

7328. TFCS size	7329. 2
7330. TFCS	7331. SRBs for DCCH = TF0, TF1

6.10.2.4.1.1.2.2   Physical channel parameters

7332. DPCH Downlink	7333.		
	7334. DTX position	N/A (SingleTrCH)	
	7335.		
	7336. Minimum spreading factor	512	
	7337. DPCCH	7338. Number of TFCI bits/slot	0

		7339. Number of TPC bits/slot	2
		7340. Number of Pilot bits/slot	4
	7341. DPDCH	7342. Number of data bits/slot	4
		7343. 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

			SRB#1	**SRB#2**	**SRB#3**	**SRB#4**
7344. Higher layer		7345. RAB/signalling RB				
		7346. User of Radio Bearer	RRC	RRC	NAS_DT High prio	NAS_DT Low prio
7347. RLC		7348. Logical channel type	DCCH	DCCH	DCCH	DCCH
		7349. RLC mode	UM	AM	AM	AM
		7350. Payload sizes, bit	136	128	128	128
		7351. Max data rate, bps	3400	3200	3200	3200
		7352. AMD/UMD PDU header, bit	8	16	16	16
7353. MAC		7354. MAC header, bit	4	4	4	4
		7355. MAC multiplexing	4 logical channel multiplexing			
7356. Layer 1		7357. TrCH type	DCH			
		7358. TB sizes, bit	148 (alt 0, 148)			
	7359. TFS	7360. TF0, bits	0x148 (alt 1x0)			
		7361. TF1, bits	1x148			
		7362. TTI, ms	40			

	7363. Coding type	CC 1/3
	7364. CRC, bit	16
	7365. Max number of bits/TTI before rate matching	516
	7366. Uplink: Max number of bits/radio frame before rate matching	129
	7367. RM attribute	155-185

6.10.2.4.1.2.1.1.2   TFCS

7368. TFCS size	7369. 2
7370. TFCS	7371. SRBs for DCCH = TF0, TF1

6.10.2.4.1.2.1.2   Physical channel parameters

7372. DPCH Uplink	7373. Min spreading factor	256
	7374. Max number of DPDCH data bits/radio frame	150
	7375. 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

		SRB#1	**SRB#2**	**SRB#3**	**SRB#4**
7376. Higher layer	7377. RAB/signalling RB				
	7378. User of Radio Bearer	RRC	RRC	NAS_DT High prio	NAS_DT Low prio
7379. RLC	7380. Logical channel type	DCCH	DCCH	DCCH	DCCH
	7381. RLC mode	UM	AM	AM	AM
	7382. Payload sizes, bit	136	128	128	128

		7383. Max data rate, bps	3400	3200	3200	3200
		7384. AMD/UMD PDU header, bit	8	16	16	16
7385. MAC		7386. MAC header, bit	4	4	4	4
		7387. MAC multiplexing	4 logical channel multiplexing			
		7389. TrCH type	DCH			
		7390. TB sizes, bit	148 (alt 0, 148) (note)			
		7392. TF 0, bits	0x148 (alt 1x0) (note)			

NOTE: alternative parameters enable the measurement "transport channel BLER" in the UE.			
		7393. TF 1, bits	1x148
	7394. TTI, ms		40
	7395. Coding type		CC 1/3
	7396. CRC, bit		16
	7397. Max number of bits/TTI before rate matching		516
	7398. RM attribute		155-230

6.10.2.4.1.2.2.1.2   TFCS

7399. TFCS size	7400. 2
7401. TFCS	7402. SRBs for DCCH = TF0, TF1

6.10.2.4.1.2.2.2   Physical channel parameters

7403. D	7404. DTX position	N/A (SingleTrCH)

		PCH Downlink	7405. Minimum spreading factor		256
			7406. DPCCH	7407. Number of TFCI bits/slot	0
				7408. Number of TPC bits/slot	2
				7409. Number of Pilot bits/slot	4
			7410. DPDCH	7411. Number of data bits/slot	14
				7412. 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

7413. Higher layer		7414. RAB/signalling RB		**SRB#1**	**SRB#2**	**SRB#3**	**SRB#4**
		7415. User of Radio Bearer		RRC	RRC	NAS_DT High prio	NAS_DT Low prio
7416. RLC		7417. Logical channel type		DCCH	DCCH	DCCH	DCCH
		7418. RLC mode		UM	AM	AM	AM
		7419. Payload sizes, bit		136	128	128	128
		7420. Max data rate, bps		13600	12800	12800	12800
		7421. AMD/UMD PDU header, bit		8	16	16	16
7422. MAC		7423. MAC header, bit		4	4	4	4
		7424. MAC multiplexing		4 logical channel multiplexing			
7425. Layer 1		7426. TrCH type		DCH			
		7427. TB sizes, bit		148 (alt 0, 148)			
		7428. TFS	7429. TF0, bits	0x148 (alt 1x0)			

	7430. TF 1, bits	1x148
	7431. TTI, ms	10
	7432. Coding type	CC 1/3
	7433. CRC, bit	16
	7434. Max number of bits/TTI before rate matching	516
	7435. Uplink: Max number of bits/radio frame before rate matching	516

6.10.2.4.1.3.1.1.2   TFCS

7436. TFCS size	7437. 2
7438. TFCS	7439. SRBs for DCCH = TF0, TF1

6.10.2.4.1.3.1.2   Physical channel parameters

7440. DPCH Uplink	7441. Min spreading factor	64
	7442. Max number of DPDCH data bits/radio frame	600
	7443. Puncturing Limit	1

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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

7444. Higher layer	7445. RAB/signalling RB	**SRB#1**	**SRB#2**	**SRB#3**	**SRB#4**
	7446. User of Radio Bearer	RRC	RRC	NAS_DT High prio	NAS_DT Low prio

7447. RLC	7448. Logical channel type	DCCH	DCCH	DCCH	DCCH
	7449. RLC mode	UM	AM	AM	AM
	7450. Payload sizes, bit	136	128	128	128
	7451. Max data rate, bps	13600	12800	12800	12800
	7452. AMD/UMD PDU header, bit	8	16	16	16
7453. MAC	7454. MAC header, bit	4	4	4	4
	7455. MAC multiplexing	4 logical channel multiplexing			
	7457. TrCH type	DCH			
	7458. TB sizes, bit	148 (alt 0, 148) (note)			

NOTE:	alternative parameters enable the measurement "transport channel BLER" in the UE.

	7459. TFS	7460. TF0, bits	0x148 (alt 1x0) (note)
		7461. TF1, bits	1x148
	7462. TTI, ms		10
	7463. Coding type		CC 1/3
	7464. CRC, bit		16
	7465. Max number of bits/TTI before rate matching		516

6.10.2.4.1.3.2.1.2   TFCS

7466. TFCS size	7467. 2
7468. TFCS	7469. SRBs for DCCH = TF0, TF1

6.10.2.4.1.3.2.2   Physical channel parameters

7470. D PC H Do wnl ink	7471. DTX position			N/A (SingleTrCH)
	7472. Minimum spreading factor			128
	7473. DPC CH	7474. Number of TFCI bits/slot		0
		7475. Number of TPC bits/slot		2
		7476. Number of Pilot bits/slot		4
	7477. DPD CH	7478. Number of data bits/slot		34
		7479. 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

748	7482. RAB/Signalling RB	**RAB subflow #1**	**RAB subflow #2**	**RAB subflow #3**
748				
748	7484. Logical channel type	DTCH		
	7485. RLC mode	TM	TM	TM
	7486. Payload sizes, bit	39, 81 (alt. 0, 39, 81)	103	60
	7487. Max data rate, bps	12200		
	7488. TrD PDU header, bit	0		
748	7490. MAC header, bit	0		

	7491. MAC multiplexing		N/A		
	7493. TrCH type		DCH	DCH	DCH
TB sizes, bit			39, 81 (alt. 0, 39, 81)	103	60
	74	7495. TF0, bits	0x81(alt. 1x0) (note)	0x103	0x60
		7496. TF1, bits	1x39	1x103	1x60
		7497. TF2, bits	1x81	N/A	N/A
	7498. TTI, ms		20	20	20

> 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).

	7499. Coding type	CC 1/3	CC 1/3	CC 1/2
	7500. CRC, bit	12	N/A	N/A
	7501. Max number of bits/TTI after channel coding	303	333	136
	7502. Uplink: Max number of bits/radio frame before rate matching	152	167	68
	7503. RM attribute	180-220	170-210	215-256

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

7504. TFCS size	7505. 6	
7506. TFCS	7507. (RAB subflow#1, RAB subflow#2, RAB subflow#3,DCCH)= 7508. (TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0), (TF2, TF1, TF1, TF0), 7509. (TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF1)	

6.10.2.4.1.4.1.2   Physical channel parameters

751	7511. Min spreading factor	64
	7512. Max number of DPDCH data bits/radio frame	600
	7513. 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

751	7516. RAB/Signalli ng RB	RAB subflow #1	RAB subflow #2	RAB subflow #3
751				
751	7518. Logical channel type	DTCH		
	7519. RLC mode	TM	TM	TM
752	7521. Payload sizes, bit	0 39 81	103	60
752	7523. Max data rate, bps	12 200		
	7524. TrD PDU header, bit	0		
752	7526. MAC header, bit	0		
	7527. MAC multiplexing	N/A		
752	7529. TrCH type	DCH	DCH	DCH
	7530. TB sizes, bit	0 39 81	103	60

75	7532. T F0, bits	1x0 (note 2)	0x103	0x60
	7533. T F1, bits	1x39	1x103	1x60
	7534. T F2, bits	1x81	N/A	N/A
	7535. TTI, ms	20	20	20
	7536. Coding type	CC 1/3	CC 1/3	CC 1/2
	7537. CRC, bit	12	N/A	N/A
	7538. Max number of bits/TTI after channel coding	303	333	136

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.).

	7539. RM attribute	180-220	170-210	215-256

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

7540. T FC S siz e	7541. 6
7542. T FC S	7543. (RAB subflow#1, RAB subflow#2, RAB subflow#3,DCCH)= 7544. (TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0), (TF2, TF1, TF1, TF0), 7545. (TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF1)

6.10.2.4.1.4.2.2 Physical channel parameters

754	7548. DTX position	Fixed
	7549. Spreading factor	128

754	7	7551. Number of TFCI bits/slot	0
		7552. Number of TPC bits/slot	2
		7553. Number of Pilot bits/slot	4
	7	7555. Number of data bits/slot	34
		7556. 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

75		7559. RAB/Signalling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3
75					
75		7561. Logical channel type	DTCH		
		7562. RLC mode	TM	TM	TM
		7563. Payload sizes, bit	39, 42, 55, 75, 81 (alt. 0, 39, 81)	53, 63, 84, 103	60
		7564. Max data rate, bps	12200		
		7565. TrD PDU header, bit	0		
75		7567. MAC header, bit	0		

	7568. MAC multiplexing		N/A		
	7570. 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
		7572. TF0, bits	0x81(alt. 1x0) (note)	0x103	0x60
		7573. TF1, bits	1x39	1x53	1x60
		7574. TF2 bits	1x42	1x63	N/A

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).

		7575. TF3, bits	1x55	1x84	N/A
		7576. TF4, bits	1x75	1x103	N/A
		7577. TF5, bits	1x81	N/A	N/A
	7578. TTI, ms		20	20	20
	7579. Coding type		CC 1/3	CC 1/3	CC 1/2
	7580. CRC, bit		12	N/A	N/A
	7581. Max number of bits/TTI after channel coding		303	333	136
	7582. Uplink: Max number of bits/radio frame before rate matching		152	167	68
	7583. RM attribute		180-220	170-210	215-256

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

7584. TFCS size	7585. 12
7586. TFCS	7587. (RAB subflow#1, RAB subflow#2, RAB subflow#3, DCCH)= 7588. (TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0), (TF2,TF1,TF0,TF0), (TF3,TF2,TF0,TF0), (TF4,TF3,TF0,TF0), (TF5,TF4,TF1,TF0), (TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF1), (TF2,TF1,TF0,TF1), (TF3,TF2,TF0,TF1), (TF4,TF3,TF0,TF1), (TF5,TF4,TF1,TF1)

6.10.2.4.1.4a.1.2   Physical channel parameters

75	7590. Min spreading factor	`64`
	7591. Max number of DPDCH data bits/radio frame	`600`
	7592. 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

75	7595. RAB/Signalling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3
75				
75	7597. Logical channel type	`DTCH`		
	7598. RLC mode	`TM`	`TM`	`TM`
75	7600. Payload sizes, bit	`0, 39, 42, 55, 75, 81`	`53, 63, 84, 103`	`60`

76	7602. Max data rate, bps	12 200		
	7603. TrD PDU header, bit	0		
76	7605. MAC header, bit	0		
	7606. MAC multiplexing	N/A		
76	7608. TrCH type	DCH	DCH	DCH
76	7610. TB sizes, bit	0, 39, 42, 55, 75, 81	53, 63, 84, 103	60
76	7	7613. T F0, bits	1x0 (note 2)	0x103	0x60
76		7615. T F1, bits	1x39	1x53	1x60
		7616. T F2, bits	1x42	1x63	N/A
		7617. T F3, bits	1x55	1x84	N/A
		7618. T F4, bits	1x75	1x103	N/A
		7619. T F5, bits	1x81	N/A	N/A
	7620. TTI, ms	20	20	20
	7621. Coding type	CC 1/3	CC 1/3	CC 1/2
	7622. CRC, bit	12	N/A	N/A
	7623. Max number of bits/TTI after channel coding	303	333	136
	7624. RM attribute	180-220	170-210	215-256

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

7625. TFCS size	7626. 12
7627. TFCS	7628. (RAB subflow#1, RAB subflow#2, RAB subflow#3, DCCH)= 7629. (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)

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.2.2   Physical channel parameters

76		7632. DTX position	Fixed
		7633. Spreading factor	128
76		7635. Number of TFCI bits/slot	0
		7636. Number of TPC bits/slot	2
		7637. Number of Pilot bits/slot	4
		7639. Number of data bits/slot	34
		7640. 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

764	7643. RAB/Signalling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3
764				
764	7645. Logical channel type	DTCH		
	7646. RLC mode	TM	TM	TM
	7647. Payload sizes, bit	39, 65 (alt. 0, 39, 65)	99	40
	7648. Max data rate, bps	10200		
	7649. TrD PDU header, bit	0		
765	7651. MAC header, bit	0		
	7652. MAC multiplexing	N/A		
765	7654. TrCH type	DCH	DCH	DCH
	7655. TB sizes, bit	39, 65 (alt. 0, 39, 65)	99	40
76	7657. TF0, bits	0x65 (alt. 1x0) (note)	0x99	0x40
	7658. TF1, bits	1x39	1x99	1x40
	7659. TF2, bits	1x65	N/A	N/A
	7660. TTI, ms	20	20	20
	7661. Coding type	CC 1/3	CC 1/3	CC 1/2

	7662. CRC, bit	12	N/A	N/A
	7663. Max number of bits/TTI after channel coding	255	321	96
	7664. Uplink: Max number of bits/radio frame before rate matching	128	161	48
	7665. RM attribute	180-220	170-210	215-256

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

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).	
7666. TFCS size	7667. 6
7668. TFCS	7669. (RAB subflow#1, RAB subflow#2, RAB subflow#3,DCCH)= 7670. (TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0), (TF2, TF1, TF1, TF0), 7671. (TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF1)

6.10.2.4.1.5.1.2 Physical channel parameters

767	7673. Min spreading factor	64
	7674. Max number of DPDCH data bits/radio frame	600
	7675. 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

767	7678. RAB/Signalling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3
767				
767	7680. Logical channel type	DTCH		
	7681. RLC mode	TM	TM	TM
	7682. Payload sizes, bit	0 39 65	99	40
	7683. Max data rate, bps	10 200		
	7684. TrD PDU header, bit	0		
768	7686. MAC header, bit	0		
	7687. MAC multiplexing	N/A		
768	7689. TrCH type	DCH	DCH	DCH
	7690. TB sizes, bit	0 39 65	99	40
	76	7692. TF0, bits	1x0 (note 2)	0x99	0x40
		7693. TF1, bits	1x39	1x99	1x40
		7694. TF2, bits	1x65	N/A	N/A
	7695. TTI, ms	20	20	20
	7696. Coding type	CC 1/3	CC 1/3	CC 1/2
	7697. CRC, bit	12	N/A	N/A

	7698. Max number of bits/TTI after channel coding	255	321	96
	7699. RM attribute	180-220	170-210	215-256

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

7700. TFCS size	7701. 6

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).

7702. TFCS	7703. (RAB subflow#1, RAB subflow#2, RAB subflow#3,DCCH)=
	7704. (TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0), (TF2, TF1, TF1, TF0),
	7705. (TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF1)

6.10.2.4.1.5.2.2 Physical channel parameters

770	7707. DTX position	Fixed
	7708. Spreading factor	128
	7710. Number of TFCI bits/slot	0
	7711. Number of TPC bits/slot	2
	7712. Number of Pilot bits/slot	4
	7714. Number of data bits/slot	34
	7715. 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

77	7718. RAB/Signalling RB	**RAB subflow #1**	**RAB subflow #2**	**RAB subflow #3**
77				
77	7720. Logical channel type	`DTCH`		
	7721. RLC mode	`TM`	`TM`	`TM`
	7722. Payload sizes, bit	`39, 42, 55, 58, 65 (alt. 0, 39, 42, 55, 58, 65)`	`53, 63, 76, 99`	`40`
	7723. Max data rate, bps	`10200`		
	7724. TrD PDU header, bit	`0`		
77	7726. MAC header, bit	`0`		
	7727. MAC multiplexing	`N/A`		
77	7729. TrCH type	`DCH`	`DCH`	`DCH`
	7730. TB sizes, bit	`39, 42, 55, 58, 65 (alt. 0, 39, 42, 55, 58, 65)`	`53, 63, 76, 99`	`40`
	7 7732. TF0, bits	`0x65 (alt. 1x0) (note)`	`0x99`	`0x40`
	7733. TF1, bits	`1x39`	`1x53`	`1x40`
	7734. TF2, bits	`1x42`	`1x63`	`N/A`

	7735. TF3, bits	1x55	1x76	N/A
	7736. TF4, bits	1x58	1x99	N/A
	7737. TF5, bits	1x65	N/A	N/A
	7738. TTI, ms	20	20	20
	7739. Coding type	CC 1/3	CC 1/3	CC ½
	7740. CRC, bit	12	N/A	N/A
	7741. Max number of bits/TTI after channel coding	255	321	96

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).				
	7742. Uplink: Max number of bits/radio frame before rate matching	128	161	48
	7743. RM attribute	180-220	170-210	215-256

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

7744. TFCS size	7745. 12
7746. TFCS	7747. (RAB subflow#1, RAB subflow#2, RAB subflow#3,DCCH)= 7748. (TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0), (TF2,TF1,TF0,TF0), (TF3,TF2,TF0,TF0), (TF4,TF3,TF0,TF0), (TF5,TF4,TF1,TF0), (TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF1), (TF2,TF1,TF0,TF1), (TF3,TF2,TF0,TF1), (TF4,TF3,TF0,TF1), (TF5,TF4,TF1,TF1)

6.10.2.4.1.5a.1.2   Physical channel parameters

77	7750. Min spreading factor	64
	7751. Max number of DPDCH data bits/radio frame	600
	7752. 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

77	7755. RAB/Signalling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3
77				
77	7757. Logical channel type	DTCH		
	7758. RLC mode	TM	TM	TM
	7759. Payload sizes, bit	0, 39, 42, 55, 58, 65	0, 53, 63, 76, 99	40
	7760. Max data rate, bps	10 200		
	7761. TrD PDU header, bit	0		
77	7763. MAC header, bit	0		
	7764. MAC multiplexing	N/A		
77	7766. TrCH type	DCH	DCH	DCH
	7767. TB sizes, bit	0, 39, 42, 55, 58, 65	0, 53, 63, 76, 99	40

		7	7769. TF0, bits	1x0 (note 2)	0x99	0x40
			7770. TF1, bits	1x39	1x53	1x40
			7771. TF2, bits	1x42	1x63	N/A
			7772. TF3, bits	1x55	1x76	N/A
			7773. TF4, bits	1x58	1x99	N/A
			7774. TF5, bits	1x65	N/A	N/A

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).

		7775. TTI, ms	20	20	20
		7776. Coding type	CC 1/3	CC 1/3	CC ½
		7777. CRC, bit	12	N/A	N/A
		7778. Max number of bits/TTI after channel coding	255	321	96
		7779. RM attribute	180-220	170-210	215-256

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

7780. TFCS size	7781. 12
7782. TFCS	7783. (RAB subflow#1, RAB subflow#2, RAB subflow#3,DCCH)= 7784. (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

77	7786. DTX position	Fixed	
	7787. Spreading factor	128	
	7789. Number of TFCI bits/slot	0	
	7790. Number of TPC bits/slot	2	
	7791. Number of Pilot bits/slot	4	
	7793. Number of data bits/slot	34	
	7794. 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

779	7797. RAB/Signalling RB	**RAB subflow #1**	**RAB subflow #2**
779			
779	7799. Logical channel type	DTCH	
	7800. RLC mode	TM	TM
	7801. Payload sizes, bit	39, 75 (alt. 0, 39, 75)	84
	7802. Max data rate, bps	7950	
	7803. TrD PDU header, bit	0	
780	7805. MAC header, bit	0	

	7806. MAC multiplexing	N/A	
	7808. TrCH type	DCH	DCH
	7809. TB sizes, bit	39, 75 (alt. 0, 39, 75)	84
78	7811. TF0, bits	0x75 (alt. 1x0) (note)	0x84
	7812. TF1, bits	1x39	1x84
	7813. TF2, bits	1x75	N/A
	7814. TTI, ms	20	20
	7815. Coding type	CC 1/3	CC 1/3
	7816. CRC, bit	12	N/A
	7817. Max number of bits/TTI after channel coding	285	276

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 clauses 4.2.1.1 in TS 25.212).

	7818. Uplink: Max number of bits/radio frame before rate matching	143	138
	7819. 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

7820. TFCS size	7821. 6		
7822. TFCS	7823. (RAB subflow#1, RAB subflow#2, DCCH)= 7824. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), 7825. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)		

6.10.2.4.1.6.1.2 Physical channel parameters

782	7827. Min spreading factor	64
	7828. Max number of DPDCH data bits/radio frame	600

	7829. 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

		RAB subflow #1	**RAB subflow #2**
783	7832. RAB/Signalling RB		
783	7834. Logical channel type	DTCH	
	7835. RLC mode	TM	TM
	7836. Payload sizes, bit	0 39 75	84
	7837. Max data rate, bps	7950	
	7838. TrD PDU header, bit	0	
783	7840. MAC header, bit	0	
	7841. MAC multiplexing	N/A	
784	7843. TrCH type	DCH	DCH
	7844. TB sizes, bit	0 39 75	84
78	7846. TF0, bits	1x0 (note 2)	0x84
	7847. TF1, bits	1x39	1x84
	7848. TF2, bits	1x75	N/A
	7849. TTI, ms	20	20

7850. Coding type	CC 1/3	CC 1/3
7851. CRC, bit	12	N/A
7852. Max number of bits/TTI after channel coding	285	276
7853. RM attribute	180-220	170-210

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

7854. TFCS size	7855. 6

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).

7856. TFCS	7857. (RAB subflow#1, RAB subflow#2, DCCH)=
	7858. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0),
	7859. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

6.10.2.4.1.6.2.2 Physical channel parameters

786		7861. DTX position	Fixed
		7862. Spreading factor	128
	7	7864. Number of TFCI bits/slot	0
		7865. Number of TPC bits/slot	2
		7866. Number of Pilot bits/slot	4
	7	7868. Number of data bits/slot	34
		7869. 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

787	7872. RAB/Signalling RB	**RAB subflow #1**	**RAB subflow #2**
787			
787	7874. Logical channel type	DTCH	
	7875. RLC mode	TM	TM
	Payload sizes, bit	39, 61 (alt. 0, 39, 61)	87
	7876. Max data rate, bps	7400	
	7877. TrD PDU header, bit	0	
787	7879. MAC header, bit	0	
	7880. MAC multiplexing	N/A	
788	7882. TrCH type	DCH	DCH
	7883. TB sizes, bit	39, 61 (alt. 0, 39, 61)	87
	78 7885. TF0, bits	0x61 (alt. 1x0) (note)	0x87
	7886. TF1, bits	1x39	1x87
	7887. TF2, bits	1x61	N/A
	7888. TTI, ms	20	20
	7889. Coding type	CC 1/3	CC 1/3
	7890. CRC, bit	12	N/A
	7891. Max number of bits/TTI after channel coding	243	285
	7892. Uplink: Max number of bits/radio frame before rate matching	122	143
	7893. 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

7894. TFCS size	7895. 6	
7896. TFCS	7897. (RAB subflow#1, RAB subflow#2, DCCH)= 7898. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), 7899. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)	

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).

6.10.2.4.1.7.1.2 Physical channel parameters

790		
	7901. Min spreading factor	64
	7902. Max number of DPDCH data bits/radio frame	600
	7903. 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

790	7906. RAB/Signalling RB	**RAB subflow #1**	**RAB subflow #2**
790			

790	7908. Logical channel type	DTCH	
	7909. RLC mode	TM	TM
	7910. Payload sizes, bit	0 39 61	87
	7911. Max data rate, bps	7400	
	7912. TrD PDU header, bit	0	
791	7914. MAC header, bit	0	
	7915. MAC multiplexing	N/A	
	7917. TrCH type	DCH	DCH
	7918. TB sizes, bit	0 39 61	87
	7920. TF0, bits	1x0 (note 2)	0x87
	7921. TF1, bits	1x39	1x87

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.).

	7922. TF2, bits	1x61	N/A
	7923. TTI, ms	20	20
	7924. Coding type	CC 1/3	CC 1/3
	7925. CRC, bit	12	N/A
	7926. Max number of bits/TTI after channel coding	243	285
	7927. RM attribute	180-220	170-210

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

7928. TFCS size	7929. 6
7930. TFCS	7931. (RAB subflow#1, RAB subflow#2, DCCH)= 7932. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), 7933. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

6.10.2.4.1.7.2.2 Physical channel parameters

793	7935. DTX position	Fixed	
	7936. Spreading factor	128	
	7938. Number of TFCI bits/slot	0	
	7940. Number of TPC bits/slot	2	
	7942. Number of Pilot bits/slot	4	
	7944. Number of data bits/slot	34	
	7946. 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

		RAB subflow #1	RAB subflow #2
79	7949. RAB/Signalling RB		
79			
79	7951. Logical channel type	DTCH	
	7952. RLC mode	TM	TM
	Payload sizes, bit	39, 42, 55, 58, 61 (alt. 0, 39, 42, 55, 58, 61)	53, 63, 76, 87

		7953. Max data rate, bps	7400	
	79	7954. TrD PDU header, bit	0	
		7956. MAC header, bit	0	
		7957. MAC multiplexing	N/A	
		7959. TrCH type	DCH	DCH
		7960. TB sizes, bit	39, 42, 55, 58, 61 (alt. 0, 39, 42, 55, 58, 61)	53, 63, 76, 87
	7	7962. TF0, bits	0x61 (alt. 1x0) (note)	0x87
		7963. TF1, bits	1x39	1x53
		7964. TF2, bits	1x42	1x63
		7965. TF3, bits	1x55	1x76
		7966. TF4, bits	1x58	1x87
		7967. TF5, bits	1x61	N/A

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).

		7968. TTI, ms	20	20
		7969. Coding type	CC 1/3	CC 1/3
		7970. CRC, bit	12	N/A
		7971. Max number of bits/TTI after channel coding	243	285
		7972. Uplink: Max number of bits/radio frame before rate matching	122	143
		7973. RM attribute	180-220	170-210

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

7974. TFCS size	7975. 12
7976. TFCS	7977. (RAB subflow#1, RAB subflow#2, DCCH)= 7978. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), (TF3, TF2, TF0), (TF4, TF3, TF0), (TF5, TF4, TF0), 7979. (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

79	7981. Min spreading factor	64
	7982. Max number of DPDCH data bits/radio frame	600
	7983. 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

			RAB subflow #1	**RAB subflow #2**
79	7986. RAB/Signalling RB			
79	7988. Logical channel type		DTCH	
	7989. RLC mode		TM	TM
	7990. Payload sizes, bit		0, 39, 42, 55, 58, 61	53, 63, 76, 87
	7991. Max data rate, bps		7400	
	7992. TrD PDU header, bit		0	
79	7994. MAC header, bit		0	
	7995. MAC multiplexing		N/A	
79	7997. TrCH type		DCH	DCH
	7998. TB sizes, bit		0, 39, 42, 55, 58, 61	53, 63, 76, 87
	7	8000. TF0, bits	1x0 (note 2)	0x87
		8001. TF1, bits	1x39	1x53

	8002. TF2, bits	`1x42`	`1x63`
	8003. TF3, bits	`1x55`	`1x76`
	8004. TF4, bits	`1x58`	`1x87`
	8005. TF5, bits	`1x61`	N/A
	8006. TTI, ms	`20`	`20`
	8007. Coding type	`CC 1/3`	`CC 1/3`
	8008. CRC, bit	`12`	N/A
	8009. Max number of bits/TTI after channel coding	`243`	`285`
	8010. 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

8011. TFCS size	8012. 12	
8013. TFCS	8014. (RAB subflow#1, RAB subflow#2, DCCH)=	
	8015. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), (TF3, TF2, TF0), (TF4, TF3, TF0), (TF5, TF4, TF0),	
	8016. (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

80	8018. DTX position	`Fixed`	
	8019. Spreading factor	`128`	

		8021. Number of TFCI bits/slot	0	
		8023. Number of TPC bits/slot	2	
		8025. Number of Pilot bits/slot	4	
		8027. Number of data bits/slot	34	
		8029. 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

6.10.2.4.1.8.1 Uplink

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

803	803	8032. RAB/Signalling RB	**RAB subflow #1**	**RAB subflow #2**
803		8034. Logical channel type	DTCH	
		8035. RLC mode	TM	TM
		8036. Payload sizes, bit	39, 58 (alt. 0, 39, 58)	76
		8037. Max data rate, bps	6700	
		8038. TrD PDU header, bit	0	
803		8040. MAC header, bit	0	
		8041. MAC multiplexing	N/A	

	8043. TrCH type		DCH	DCH
	8044. TB sizes, bit		39, 58 (alt. 0, 39, 58)	76
	80	8046. TF0, bits	0x58 (alt. 1x0) (note)	0x76
		8047. TF1, bits	1x39	1x76
		8048. TF2, bits	1x58	N/A
	8049. TTI, ms		20	20
	8050. Coding type		CC 1/3	CC 1/3
	8051. CRC, bit		12	N/A
	8052. Max number of bits/TTI after channel coding		234	252
	8053. Uplink: Max number of bits/radio frame before rate matching		117	126

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).			
	8054. RM attribute	180–220	170–210

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

8055. TFCS size	8056. 6	
8057. TFCS	8058. (RAB subflow#1, RAB subflow#2, DCCH)= 8059. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), 8060. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)	

6.10.2.4.1.8.1.2   Physical channel parameters

806	8062. Min spreading factor	64	
	8063. Max number of DPDCH data bits/radio frame	600	

8064. 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

806	8067. RAB/Signalling RB	**RAB subflow #1**	**RAB subflow #2**
806			
806	8069. Logical channel type	DTCH	
	8070. RLC mode	TM	TM
	8071. Payload sizes, bit	0 39 58	76
	8072. Max data rate, bps	6700	
	8073. TrD PDU header, bit	0	
807	8075. MAC header, bit	0	
	8076. MAC multiplexing	N/A	
807	8078. TrCH type	DCH	DCH
	8079. TB sizes, bit	0 39 58	76
80	8081. TF0, bits	1x0 (note 2)	0x76
	8082. TF1, bits	1x39	1x76
	8083. TF2, bits	1x58	N/A
	8084. TTI, ms	20	20

	8085. Coding type	CC 1/3	CC 1/3
	8086. CRC, bit	12	N/A
	8087. Max number of bits/TTI after channel coding	234	252
	8088. RM attribute	180-220	170-210

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

8089. TFCS size	8090. 6

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).

8091. TFCS	8092. (RAB subflow#1, RAB subflow#2, DCCH)= 8093. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), 8094. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

6.10.2.4.1.8.2.2 Physical channel parameters

809		8096. DTX position	Fixed
		8097. Spreading factor	128
	8	8099. Number of TFCI bits/slot	0
		8100. Number of TPC bits/slot	2
		8101. Number of Pilot bits/slot	4
	8	8103. Number of data bits/slot	34
		8104. 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

810	8107. RAB/Signalling RB	**RAB subflow #1**	**RAB subflow #2**
810			
810	8109. Logical channel type	DTCH	
	8110. RLC mode	TM	TM
	8111. Payload sizes, bit	39, 55 (alt. 0, 39, 55)	63
	8112. Max data rate, bps	5900	
	8113. TrD PDU header, bit	0	
811	8115. MAC header, bit	0	
	8116. MAC multiplexing	N/A	
811	8118. TrCH type	DCH	DCH
	8119. TB sizes, bit	39, 55 (alt. 0, 39, 55)	63
	81 8121. TF0, bits	0x55 (alt. 1x0) (note)	0x63
	8122. TF1, bits	1x39	1x63
	8123. TF2, bits	1x55	N/A
	8124. TTI, ms	20	20
	8125. Coding type	CC 1/3	CC 1/3
	8126. CRC, bit	12	N/A
	8127. Max number of bits/TTI after channel coding	225	213
	8128. Uplink: Max number of bits/radio frame before rate matching	113	107
	8129. RM attribute	180-220	170-210

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

8130. TFCS size	8131. 6
8132. TFCS	8133. (RAB subflow#1, RAB subflow#2, DCCH)= 8134. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), 8135. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

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).

6.10.2.4.1.9.1.2   Physical channel parameters

813	8137. Min spreading factor	64
	8138. Max number of DPDCH data bits/radio frame	600
	8139. 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

814	8142. RAB/Signalling RB	**RAB subflow #1**	**RAB subflow #2**
814			

814	8144. Logical channel type	DTCH	
	8145. RLC mode	TM	TM
	8146. Payload sizes, bit	0 39 55	63
	8147. Max data rate, bps	5900	
	8148. TrD PDU header, bit	0	
814	8150. MAC header, bit	0	
	8151. MAC multiplexing	N/A	
	8153. TrCH type	DCH	DCH
	8154. TB sizes, bit	0 39 55	63
	8156. TF0, bits	1x0 (note 2)	0x63
	8157. TF1, bits	1x39	1x63

> 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).

	8158. TF2, bits	1x55	N/A
	8159. TTI, ms	20	20
	8160. Coding type	CC 1/3	CC 1/3
	8161. CRC, bit	12	N/A
	8162. Max number of bits/TTI after channel coding	225	213
	8163. RM attribute	180-220	170-210

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

8164. TFCS size	8165. 6
8166. TFCS	8167. (RAB subflow#1, RAB subflow#2, DCCH)= 8168. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), 8169. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

6.10.2.4.1.9.2.2 Physical channel parameters

817	8171. DTX position	Fixed	
	8172. Spreading factor	128	
	8	8174. Number of TFCI bits/slot	0
		8175. Number of TPC bits/slot	2
		8176. Number of Pilot bits/slot	4
	8	8178. Number of data bits/slot	34
		8179. 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

818	8182. RAB/Signalling RB	**RAB subflow #1**	**RAB subflow #2**
818			
818	8184. Logical channel type	DTCH	
	8185. RLC mode	TM	TM
	8186. Payload sizes, bit	39, 49 (alt. 0, 39, 49)	54
	8187. Max data rate, bps	5150	
	8188. TrD PDU header, bit	0	
818	8190. MAC header, bit	0	

8191. MAC multiplexing	N/A	
8193. TrCH type	DCH	DCH
8194. TB sizes, bit	39, 49 (alt. 0, 39, 49)	54
8195	8196. TF0, bits	0x49 (alt. 1x0) (note)	0x54
	8197. TF1, bits	1x39	1x54
	8198. TF2, bits	1x49	N/A
8199. TTI, ms	20	20
8200. Coding type	CC 1/3	CC 1/3
8201. CRC, bit	12	N/A
8202. Max number of bits/TTI after channel coding	207	186

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).

8203. Uplink: Max number of bits/radio frame before rate matching	104	93
8204. 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 6.10.2.4.1.1.1.1.1

6.10.2.4.1.10.1.1.3   TFCS

8205. TFCS size	8206. 6
8207. TFCS	8208. (RAB subflow#1, RAB subflow#2, DCCH)= 8209. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), 8210. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

6.10.2.4.1.10.1.2   Physical channel parameters

8211	8212. Min spreading factor	128
	8213. Max number of DPDCH data bits/radio frame	300

	8214. 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

821	8217. RAB/Signalling RB	**RAB subflow #1**	**RAB subflow #2**
821			
821	8219. Logical channel type	DTCH	
	8220. RLC mode	TM	TM
	8221. Payload sizes, bit	0 39 49	54
	8222. Max data rate, bps	5150	
	8223. TrD PDU header, bit	0	
822	8225. MAC header, bit	0	
	8226. MAC multiplexing	N/A	
822	8228. TrCH type	DCH	DCH
	8229. TB sizes, bit	0 39 49	54
82	8231. TF0, bits	1x0 (note 2)	0x54
	8232. TF1, bits	1x39	1x54
	8233. TF2, bits	1x49	N/A
	8234. TTI, ms	20	20

8235. Coding type	CC 1/3	CC 1/3
8236. CRC, bit	12	N/A
8237. Max number of bits/TTI after channel coding	207	186
8238. RM attribute	180-220	170-210

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

8239. TFCS size	8240. 6

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).

8241. TFCS	8242. (RAB subflow#1, RAB subflow#2, DCCH)= 8243. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), 8244. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

6.10.2.4.1.10.2.2   Physical channel parameters

824		8246. DTX position	Fixed
		8247. Spreading factor	256
	8	8249. Number of TFCI bits/slot	0
		8250. Number of TPC bits/slot	2
		8251. Number of Pilot bits/slot	4
	8	8253. Number of data bits/slot	14
		8254. 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

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

825	8257. RAB/Signalling RB	**RAB subflow #1**	**RAB subflow #2**
825			
825	8259. Logical channel type	DTCH	
	8260. RLC mode	TM	TM
	8261. Payload sizes, bit	39, 42 (alt. 0, 39, 42)	53
	8262. Max data rate, bps	4750	
	8263. TrD PDU header, bit	0	
826	8265. MAC header, bit	0	
	8266. MAC multiplexing	N/A	
826	8268. TrCH type	DCH	DCH
	8269. TB sizes, bit	39, 42 (alt. 0, 39, 42)	53
82	8271. TF0, bits	0x42 (alt. 1x0) (note)	0x53
	8272. TF1, bits	1x39	1x53
	8273. TF2, bits	1x42	N/A
	8274. TTI, ms	20	20
	8275. Coding type	CC 1/3	CC 1/3
	8276. CRC, bit	12	N/A
	8277. Max number of bits/TTI after channel coding	186	183
	8278. Uplink: Max number of bits/radio frame before rate matching	93	92
	8279. 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 6.10.2.4.1.1.1.1.1

6.10.2.4.1.11.1.1.3   TFCS

8280. TFCS size	8281. 6
8282. TFCS	8283. (RAB subflow#1, RAB subflow#2, DCCH)= 8284. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), 8285. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

NOTE: In case of usign 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).

6.10.2.4.1.11.1.2   Physical channel parameters

828	8287. Min spreading factor	128
	8288. Max number of DPDCH data bits/radio frame	300
	8289. 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

829	8292. RAB/Signalling RB	**RAB subflow #1**	**RAB subflow #2**
829			

829		8294. Logical channel type	DTCH	
		8295. RLC mode	TM	TM
		8296. Payload sizes, bit	0 39 42	53
		8297. Max data rate, bps	4750	
		8298. TrD PDU header, bit	0	
829		8300. MAC header, bit	0	
		8301. MAC multiplexing	N/A	
		8303. TrCH type	DCH	DCH
		8304. TB sizes, bit	0 39 42	53
		TF0, bits	1x0 (note 2)	0x53
		8306. TF1, bits	1x39	1x53

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).

		8307. TF2, bits	1x42	N/A
		8308. TTI, ms	20	20
		8309. Coding type	CC 1/3	CC 1/3
		8310. CRC, bit	12	N/A
		8311. Max number of bits/TTI after channel coding	186	183
		8312. RM attribute	180-220	170-210

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

8313. TFCS size	8314. 6
8315. TFCS	8316. (RAB subflow#1, RAB subflow#2, DCCH)= 8317. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), 8318. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

6.10.2.4.1.11.2.2 Physical channel parameters

831		8320. DTX position	Fixed
		8321. Spreading factor	256
	8	8323. Number of TFCI bits/slot	0
		8324. Number of TPC bits/slot	2
		8325. Number of Pilot bits/slot	4
	8	8327. Number of data bits/slot	14
		8328. 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

832		8331. RAB/Signalling RB	RAB
833			
833		8333. Logical channel type	DTCH
		8334. RLC mode	TM
		8335. Payload sizes, bit	576
		8336. Max data rate, bps	28800
		8337. TrD PDU header, bit	0
833		8339. MAC header, bit	0

ETSI

		8340. MAC multiplexing	N/A
834		8342. TrCH type	DCH
		8343. TB sizes, bit	576
	83	8345. TF0, bits	0x576
		8346. TF1, bits	1x576
		8347. TF2, bits	2x576
		8348. TTI, ms	40
		8349. Coding type	TC
		8350. CRC, bit	16
		8351. Max number of bits/TTI after channel coding	3564
		8352. Uplink: Max number of bits/radio frame before rate matching	891
		8353. 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

8354. TFCS size	8355. 6
8356. TFCS	8357. (28.8 kbps RAB, DCCH)= 8358. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

6.10.2.4.1.12.1.2   Physical channel parameters

83		8360. Min spreading factor	32
		8361. Max number of DPDCH data bits/radio frame	1200
		8362. 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

836	8365. RAB/Signalling RB	RAB
836		
836	8367. Logical channel type	DTCH
	8368. RLC mode	TM
	8369. Payload sizes, bit	576
	8370. Max data rate, bps	28800
	8371. TrD PDU header, bit	0
837	8373. MAC header, bit	0
	8374. MAC multiplexing	N/A
837	8376. TrCH type	DCH
	8377. TB sizes, bit	576
	83 8379. TF0, bits	0x576
	8380. TF1, bits	1x576
	8381. TF2, bits	2x576
	8382. TTI, ms	40
	8383. Coding type	TC
	8384. CRC, bit	16
	8385. Max number of bits/TTI after channel coding	3564
	8386. RM attribute	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

8387. TFCS size	8388. 6
8389. TFCS	8390. (28.8 kbps RAB, DCCH)= 8391. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

6.10.2.4.1.12.2.2   Physical channel parameters

83			
		8393. DTX position	Flexible
		8394. Spreading factor	64
	83	8396. Number of TFCI bits/slot	8
		8397. Number of TPC bits/slot	4
		8398. Number of Pilot bits/slot	8
	83	8400. Number of data bits/slot	60
		8401. 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

840	8404. RAB/Signalling RB		**RAB**
840			
840	8406. Logical channel type		`DTCH`
	8407. RLC mode		`TM`
	8408. Payload sizes, bit		`640`
	8409. Max data rate, bps		`64000`
	8410. TrD PDU header, bit		`0`
841	8412. MAC header, bit		`0`
	8413. MAC multiplexing		`N/A`
841	8415. TrCH type		`DCH`
	8416. TB sizes, bit		`640`
	8417. TFS	8418. TF0, bits	`0x640`
		8419. TF1, bits	`2x640(alt. 4x640)`
	8420. TTI, ms		`20(alt. 40)`
	8421. Coding type		`TC`
	8422. CRC, bit		`16`
	8423. Max number of bits/TTI after channel coding		`3948(alt. 7884)`
	8424. Uplink: Max number of bits/radio frame before rate matching		`1974(alt. 1971)`
	8425. 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

8426. TFCS size	8427. 4
8428. TFCS	8429. (64 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.2.4.1.13.1.2 Physical channel parameters

84	8431. Min spreading factor	16
	8432. Max number of DPDCH data bits/radio frame	2400
	8433. 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

843	8436. RAB/Signalling RB	RAB
843		
843	8438. Logical channel type	DTCH
	8439. RLC mode	TM
	8440. Payload sizes, bit	640
	8441. Max data rate, bps	64000

ETSI

		8442. TrD PDU header, bit	0
844		8444. MAC header, bit	0
		8445. MAC multiplexing	N/A
844		8447. TrCH type	DCH
		8448. TB sizes, bit	640
	8449. TFS	8450. TF0, bits	0x640
		8451. TF1, bits	2x640(alt. 4x640)
		8452. TTI, ms	20(alt. 40)
		8453. Coding type	TC
		8454. CRC, bit	16
		8455. Max number of bits/TTI after channel coding	3948(alt. 7884)
		8456. 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

8457. TFCS size	8458. 4
8459. TFCS	8460. (64 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.2.4.1.13.2.2 Physical channel parameters

84		8462. DTX position	Flexible
		8463. Spreading factor	32
	84	8465. Number of TFCI bits/slot	8
		8466. Number of TPC bits/slot	4

		8467. Number of Pilot bits/slot	8
	84	8469. Number of data bits/slot	140
		8470. 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

847		8473. RAB/Signalling RB	**RAB**
847			
847		8475. Logical channel type	DTCH
		8476. RLC mode	TM
		8477. Payload sizes, bit	640
		8478. Max data rate, bps	32000
		8479. TrD PDU header, bit	0
848		8481. MAC header, bit	0
		8482. MAC multiplexing	N/A
848		8484. TrCH type	DCH
		8485. TB sizes, bit	640
	84	8487. TF0, bits	0x640
		8488. TF1, bits	1x640(alt. 2x640)
		8489. TTI, ms	20(alt. 40)
		8490. Coding type	TC

	8491. CRC, bit	16
	8492. Max number of bits/TTI after channel coding	1980(alt. 3948)
	8493. Uplink: Max number of bits/radio frame before rate matching	990(alt. 987)
	8494. 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

8495. TFCS size	8496. 4
8497. TFCS	8498. (32 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.2.4.1.14.1.2 Physical channel parameters

84	8500. Min spreading factor	32
	8501. Max number of DPDCH data bits/radio frame	1200
	8502. 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

850	8505. RAB/Signalling RB	**RAB**
850		
850	8507. Logical channel type	DTCH
	8508. RLC mode	TM
	8509. Payload sizes, bit	640
	8510. Max data rate, bps	32000
	8511. TrD PDU header, bit	0
851	8513. MAC header, bit	0
	8514. MAC multiplexing	N/A
851	8516. TrCH type	DCH
	8517. TB sizes, bit	640
	85 8519. TF0, bits	0x640
	8520. TF1, bits	1x640(alt. 2x640)
	8521. TTI, ms	20(alt. 40)
	8522. Coding type	TC
	8523. CRC, bit	16
	8524. Max number of bits/TTI after channel coding	1980(alt. 3948)
	8525. 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

8526. TFCS	8527. 4

	size	
8528. TFCS	8529. (32 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)	

6.10.2.4.1.14.2.2 Physical channel parameters

85		8531. DTX position	Flexible
		8532. Spreading factor	64
	85	8534. Number of TFCI bits/slot	8
		8535. Number of TPC bits/slot	4
		8536. Number of Pilot bits/slot	8
	85	8538. Number of data bits/slot	60
		8539. 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

854	8542. RAB/Signalling RB	RAB
854		
854	8544. Logical channel type	DTCH

	8545. RLC mode	TM
	8546. Payload sizes, bit	576
	8547. Max data rate, bps	14400
	8548. TrD PDU header, bit	0
854	8550. MAC header, bit	0
	8551. MAC multiplexing	N/A
855	8553. TrCH type	DCH
	8554. TB sizes, bit	576
85	8556. TF0, bits	0x576
	8557. TF1, bits	1x576
	8558. TTI, ms	40
	8559. Coding type	TC
	8560. CRC, bit	16
	8561. Max number of bits/TTI after channel coding	1788
	8562. Uplink: Max number of bits/radio frame before rate matching	447
	8563. 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

8564. TFCS size	8565. 4
8566. TFCS	8567. (14.4 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.2.4.1.15.1.2   Physical channel parameters

85	8569. Min spreading factor	64
	8570. Max number of DPDCH data bits/radio frame	600

	8571. 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

857	8574. RAB/Signalling RB	RAB
857		
857	8576. Logical channel type	DTCH
	8577. RLC mode	TM
	8578. Payload sizes, bit	576
	8579. Max data rate, bps	14400
	8580. TrD PDU header, bit	0
858	8582. MAC header, bit	0
	8583. MAC multiplexing	N/A
858	8585. TrCH type	DCH
	8586. TB sizes, bit	576
85	8588. TF0, bits	0x576
	8589. TF1, bits	1x576
	8590. TTI, ms	40
	8591. Coding type	TC
	8592. CRC, bit	16
	8593. Max number of bits/TTI after channel coding	1788
	8594. 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

8595. TFCS size	8596. 4
8597. TFCS	8598. (14.4 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.2.4.1.15.2.2   Physical channel parameters

85			8600. DTX position	Flexible
			8601. Spreading factor	128
	86		8603. Number of TFCI bits/slot	2
			8604. Number of TPC bits/slot	2
			8605. Number of Pilot bits/slot	8
	86		8607. Number of data bits/slot	28
			8608. 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

860	8611. RAB/Signalling RB	**RAB**	
861			
861	8613. Logical channel type	DTCH	
	8614. RLC mode	TM	
	8615. Payload sizes, bit	576	
	8616. Max data rate, bps	28800	
	8617. TrD PDU header, bit	0	
861	8619. MAC header, bit	0	
	8620. MAC multiplexing	N/A	
862	8622. TrCH type	DCH	
	8623. TB sizes, bit	576	
	86	8625. TF0, bits	0x576
		8626. TF1, bits	1x576
		8627. TF2, bits	2x576
	8628. TTI, ms	40	
	8629. Coding type	TC	
	8630. CRC, bit	16	
	8631. Max number of bits/TTI after channel coding	3564	
	8632. Uplink: Max number of bits/radio frame before rate matching	891	
	8633. 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

8634. TFCS size	8635. 6
8636. TFCS	8637. (28.8kbps RAB, DCCH)= 8638. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

6.10.2.4.1.16.1.2 Physical channel parameters

86	8640. Min spreading factor	32
	8641. Max number of DPDCH data bits/radio frame	1200
	8642. 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

864	8645. RAB/Signalling RB	**RAB**
864		
864	8647. Logical channel type	DTCH
	8648. RLC mode	TM
	8649. Payload sizes, bit	576
	8650. Max data rate, bps	28800

		8651. TrD PDU header, bit	0
865		8653. MAC header, bit	0
		8654. MAC multiplexing	N/A
		8656. TrCH type	DCH
		8657. TB sizes, bit	576
	86	8659. TF0, bits	0x576 (alt. 1x0) (note)
		8660. TF1, bits	1x576
		8661. TF2, bits	2x576
		8662. TTI, ms	40
		8663. Coding type	TC
		8664. CRC, bit	16

NOTE: Alternative 1x0 is used to have CRC present in all transport formats.		
	8665. Max number of bits/TTI after channel coding	3564
	8666. RM attribute	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

8667. TFCS size	8668. 6
8669. TFCS	8670. (28.8kbps RAB, DCCH)= 8671. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

6.10.2.4.1.16.2.2 Physical channel parameters

86		8673. DTX position	Flexible
		8674. Spreading factor	64
	86	8676. Number of TFCI bits/slot	8

		8677. Number of TPC bits/slot	4
		8678. Number of Pilot bits/slot	8
	86	8680. Number of data bits/slot	60
		8681. 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

		8684. RAB/Signalling RB	**RAB**
868			
868			
868		8686. Logical channel type	DTCH
		8687. RLC mode	TM
		8688. Payload sizes, bit	576
		8689. Max data rate, bps	57600
		8690. TrD PDU header, bit	0
869		8692. MAC header, bit	0
		8693. MAC multiplexing	N/A
869		8695. TrCH type	DCH
		8696. TB sizes, bit	576
	86	8698. TF0, bits	0x576
		8699. TF1, bits	1x576

	8700. TF2, bits	`2x576`
	8701. TF3, bits	`3x576`
	8702. TF4, bits	`4x576`
8703. TTI, ms		`40`
8704. Coding type		`TC`
8705. CRC, bit		`16`
8706. Max number of bits/TTI after channel coding		`7116`
8707. 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

8708. TFCS size	8709. 10
8710. TFCS	8711. (57.6 kbps RAB, DCCH)= 8712. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), 8713. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.2.4.1.17.1.2   Physical channel parameters

87	8715. Min spreading factor	`16`
	8716. Max number of DPDCH data bits/radio frame	`2400`
	8717. 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

	8720. RAB/Signalling RB	`RAB`	
871			
871			
872	8722. Logical channel type	`DTCH`	
	8723. RLC mode	`TM`	
	8724. Payload sizes, bit	`576`	
	8725. Max data rate, bps	`57600`	
	8726. TrD PDU header, bit	`0`	
872	8728. MAC header, bit	`0`	
	8729. MAC multiplexing	`N/A`	
873	8731. TrCH type	`DCH`	
	8732. TB sizes, bit	`576`	
	87	8734. TF0, bits	`0x576`
		8735. TF1, bits	`1x576`
		8736. TF2, bits	`2x576`
		8737. TF3, bits	`3x576`
		8738. TF4, bits	`4x576`
	8739. TTI, ms	`40`	
	8740. Coding type	`TC`	
	8741. CRC, bit	`16`	
	8742. Max number of bits/TTI after channel coding	`7116`	
	8743. RM attribute	`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

8744. TFCS size	8745. 10
8746. TFCS	8747. (57.6 kbps RAB, DCCH)= 8748. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), 8749. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.2.4.1.17.2.2   Physical channel parameters

87			
		8751. DTX position	`Flexible`
		8752. Spreading factor	`32`
	87	8754. Number of TFCI bits/slot	`8`
	87	8756. Number of TPC bits/slot	`4`
	87	8758. Number of Pilot bits/slot	`8`
	87	8760. Number of data bits/slot	`140`
	87	8762. Number of data bits/frame	`2100`

6.10.2.4.1.18   Void

6.10.2.4.1.19   Void

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

876	8765. RAB/Signalling RB	**RAB**	
876			
876	8767. Logical channel type	DTCH	
	8768. RLC mode	AM	
	8769. Payload sizes, bit	320	
	8770. Max data rate, bps	32000	
	8771. AMD PDU header, bit	16	
877	8773. MAC header, bit	0	
	8774. MAC multiplexing	N/A	
877	8776. TrCH type	DCH	
	8777. TB sizes, bit	336	
	87	8779. TF0, bits	0x336
		8780. TF1, bits	1x336
		8781. TF2, bits	2x336 (alt. N/A)
	8782. TTI, ms	20 (alt. 10)	
	8783. Coding type	TC (alt. CC 1/3)	
	8784. CRC, bit	16	

	8785. Max number of bits/TTI after channel coding	`2124 (alt. 1080)`
	8786. Uplink: Max number of bits/radio frame before rate matching	`1062 (alt. 1080)`
	8787. 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

8788. TFCS size	8789. 6 (alt. 4)
8790. TFCS	8791. (32 kbps RAB, DCCH)= 8792. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1) 8793. (alt. (TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1))

6.10.2.4.1.23.1.2 Physical channel parameters

87	8795. Min spreading factor	`32`
	8796. Max number of DPDCH data bits/radio frame	`1200`
	8797. 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

879	8800. RAB/Signalling RB	`RAB`
879		
880	8802. Logical channel type	`DTCH`
	8803. RLC mode	`AM`
	8804. Payload sizes, bit	`320`
	8805. Max data rate, bps	`8000`
	8806. AMD PDU header, bit	`16`
880	8808. MAC header, bit	`0`
	8809. MAC multiplexing	`N/A`
881	8811. TrCH type	`DCH`
	8812. TB sizes, bit	`336`
	88 8814. TF0, bits	`0x336`
	8815. TF1, bits	`1x336`
	8816. TTI, ms	`40`
	8817. Coding type	`TC (alt. CC 1/3)`
	8818. CRC, bit	`16`
	8819. Max number of bits/TTI after channel coding	`1068 (alt. 1080)`
	8820. 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

8821. TFCS	8822. 4

siz e		
8823. T FC S	8824. (8 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)	

6.10.2.4.1.23.2.2 Physical channel parameters

88	8826. DTX position		`Flexible`	
	8827. Spreading factor		`128`	
	88	8829. Number of TFCI bits/slot	`2`	
	88	8831. Number of TPC bits/slot	`2`	
	88	8833. Number of Pilot bits/slot	`4`	
	88	8835. Number of data bits/slot	`32`	
	88	8837. 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

88	8840. RAB/Signalling RB	`RAB`
88		
88	8842. Logical channel type	`DTCH`
	8843. RLC mode	`AM`
	8844. Payload sizes, bit	`320`
	8845. Max data rate, bps	`8000`
	8846. AMD PDU header, bit	`16`
88	8848. MAC header, bit	`0`
	8849. MAC multiplexing	`N/A`
88	8851. TrCH type	`DCH`
	8852. TB sizes, bit	`336`
	8 8854. TF0, bits	`0x336`
	8855. TF1, bits	`1x336`
	8856. TTI, ms	`40`
	8857. Coding type	`CC 1/3 (alt. TC)`
	8858. CRC, bit	`16`
	8859. Max number of bits/TTI after channel coding	`1080 (alt. 1068)`
	8860. Uplink: Max number of bits/radio frame before rate matching	`270 (alt. 267)`
	8861. 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

8862. TFCS size	8863. 4
8864. TFCS	8865. (8 kbps RAB, DCCH)= 8866. (TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.2.4.1.23a.1.2   Physical channel parameters

8	8868. Min spreading factor	64
	8869. Max number of DPDCH data bits/radio frame	600
	8870. 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

88	8873. RAB/Signalling RB	**RAB**
88		
88	8875. Logical channel type	DTCH
	8876. RLC mode	AM
	8877. Payload sizes, bit	320

		8878. Max data rate, bps	8000
		8879. AMD PDU header, bit	16
88		8881. MAC header, bit	0
		8882. MAC multiplexing	N/A
88		8884. TrCH type	DCH
		8885. TB sizes, bit	336
	8	8887. TF0, bits	0x336
		8888. TF1, bits	1x336
		8889. TTI, ms	40
		8890. Coding type	CC 1/3 (alt. TC)
		8891. CRC, bit	16
		8892. Max number of bits/TTI after channel coding	1080 (alt. 1068)
		8893. 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

8894. TFCS size	8895. 4
8896. TFCS	8897. (8 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.2.4.1.23a.2.2 Physical channel parameters

8		8899. DTX position	Flexible
		8900. Spreading factor	128
	8	8902. Number of TFCI bits/slot	2

8	8904. Number of TPC bits/slot	2	
8	8906. Number of Pilot bits/slot	4	
8	8908. Number of data bits/slot	32	
8	8910. 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

89 / 89	8913. RAB/Signalling RB	**RAB**
89	8915. Logical channel type	DTCH
	8916. RLC mode	AM
	8917. Payload sizes, bit	320
	8918. Max data rate, bps	16000
	8919. AMD PDU header, bit	16
89	8921. MAC header, bit	0
	8922. MAC multiplexing	N/A
89	8924. TrCH type	DCH
	8925. TB sizes, bit	336
8	8927. TF0, bits	0x336

	8928. TF1, bits	1x336
	8929. TF2, bits	2x336
8930. TTI, ms		40
8931. Coding type		TC
8932. CRC, bit		16
8933. Max number of bits/TTI after channel coding		2124
8934. Uplink: Max number of bits/radio frame before rate matching		531
8935. RM attribute		135-175

6.10.2.4.1.23b.1.1.2   Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.23b.1.1.3   TFCS

8936. TFCS size	8937. 6
8938. TFCS	8939. (16 kbps RAB, DCCH)= 8940. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

6.10.2.4.1.23b.1.2   Physical channel parameters

8	8942. Min spreading factor	32
	8943. Max number of DPDCH data bits/radio frame	1200
	8944. 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

89	8947. RAB/Signalling RB	**RAB**	
89			
89	8949. Logical channel type	DTCH	
	8950. RLC mode	AM	
	8951. Payload sizes, bit	320	
	8952. Max data rate, bps	16000	
	8953. AMD PDU header, bit	16	
89	8955. MAC header, bit	0	
	8956. MAC multiplexing	N/A	
89	8958. TrCH type	DCH	
	8959. TB sizes, bit	336	
	8	8961. TF0, bits	0x336
		8962. TF1, bits	1x336
		8963. TF2, bits	2x336
	8964. TTI, ms	40	
	8965. Coding type	TC	
	8966. CRC, bit	16	
	8967. Max number of bits/TTI after channel coding	2124	
	8968. RM attribute	135-175	

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.23b.2.1.3   TFCS

8969. TFCS size	8970. 6
8971. TFCS	8972. (16 kbps RAB, DCCH)= 8973. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

6.10.2.4.1.23b.2.2   Physical channel parameters

8		8975. DTX position	Flexible
		8976. Spreading factor	128
	8	8978. Number of TFCI bits/slot	2
	8	8980. Number of TPC bits/slot	2
	8	8982. Number of Pilot bits/slot	4
	8	8984. Number of data bits/slot	32
	8	8986. 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

89	8989. RAB/Signalling RB	**RAB**
89		
89	8991. Logical channel type	DTCH
	8992. RLC mode	AM
	8993. Payload sizes, bit	320
	8994. Max data rate, bps	32000
	8995. AMD PDU header, bit	16
89	8997. MAC header, bit	0
	8998. MAC multiplexing	N/A
89	9000. TrCH type	DCH
	9001. TB sizes, bit	336
	9 9003. TF0, bits	0x336
	9004. TF1, bits	1x336
	9005. TF2, bits	2x336
	9006. TF3, bits	3x336
	9007. TF4, bits	4x336
	9008. TTI, ms	40
	9009. Coding type	TC
	9010. CRC, bit	16
	9011. Max number of bits/TTI after channel coding	4236
	9012. Uplink: Max number of bits/radio frame before rate matching	1059

	9013. RM attribute	`135-175`

6.10.2.4.1.23c.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.23c.1.1.3 TFCS

9014. TFCS size	9015. 10
9016. TFCS	9017. (32 kbps RAB, DCCH)= 9018. (TF0,TF0), (TF1,TF0), (TF2,TF0), (TF3,TF0), (TF4,TF0), (TF0,TF1), (TF1,TF1), (TF2,TF1), (TF3,TF1), (TF4,TF1)

6.10.2.4.1.23c.1.2 Physical channel parameters

9	9020. Min spreading factor	`32`
	9021. Max number of DPDCH data bits/radio frame	`1200`
	9022. 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

90	9025. RAB/Signalling RB	**RAB**
90		
90	9027. Logical channel type	`DTCH`

		9028. RLC mode	`AM`
		9029. Payload sizes, bit	`320`
		9030. Max data rate, bps	`32000`
		9031. AMD PDU header, bit	`16`
	90	9033. MAC header, bit	`0`
		9034. MAC multiplexing	`N/A`
	90	9036. TrCH type	`DCH`
		9037. TB sizes, bit	`336`
		9 9039. TF0, bits	`0x336`
		9040. TF1, bits	`1x336`
		9041. TF2, bits	`2x336`
		9042. TF3, bits	`3x336`
		9043. TF4, bits	`4x336`
		9044. TTI, ms	`40`
		9045. Coding type	`TC`
		9046. CRC, bit	`16`
		9047. Max number of bits/TTI after channel coding	`4236`
		9048. 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

9049. TFCS size	9050. 10	
9051. TFCS	9052. (32 kbps RAB, DCCH)= 9053. (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

9		9055. DTX position	Flexible
9		9057. Spreading factor	64
9	9	9060. Number of TFCI bits/slot	8
9	9	9063. Number of TPC bits/slot	4
9	9	9066. Number of Pilot bits/slot	8
9	9	9069. Number of data bits/slot	60
9	9	9072. 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

90		9075. RAB/Signalling RB	**RAB**
90			
90		9077. Logical channel type	DTCH
		9078. RLC mode	AM
		9079. Payload sizes, bit	320
		9080. Max data rate, bps	32000
		9081. AMD PDU header, bit	16
90		9083. MAC header, bit	0
		9084. MAC multiplexing	N/A
90		9086. TrCH type	DCH
		9087. TB sizes, bit	336
	9	9089. TF0, bits	0x336
		9090. TF1, bits	1x336
		9091. TF2, bits	2x336
		9092. TTI, ms	20
		9093. Coding type	TC
		9094. CRC, bit	16
		9095. Max number of bits/TTI after channel coding	2124
		9096. Uplink: Max number of bits/radio frame before rate matching	1062
		9097. RM attribute	135-175

6.10.2.4.1.23d.1.1.2   Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.23d.1.1.3   TFCS

9098. TFCS size	9099. 6
9100. TFCS	9101. (32 kbps RAB, DCCH)= 9102. (TF0,TF0), (TF1,TF0), (TF2,TF0), (TF0,TF1), (TF1,TF1), (TF2,TF1)

6.10.2.4.1.23d.1.2   Physical channel parameters

9	9104. Min spreading factor	32
	9105. Max number of DPDCH data bits/radio frame	1200
	9106. 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

91	9109. RAB/Signalling RB	**RAB**
91		
91	9111. Logical channel type	DTCH
	9112. RLC mode	AM
	9113. Payload sizes, bit	320

		9114. Max data rate, bps	`32000`
		9115. AMD PDU header, bit	`16`
91		9117. MAC header, bit	`0`
		9118. MAC multiplexing	`N/A`
91		9120. TrCH type	`DCH`
		9121. TB sizes, bit	`336`
	9	9123. TF0, bits	`0x336`
		9124. TF1, bits	`1x336`
		9125. TF2, bits	`2x336`
		9126. TTI, ms	`20`
		9127. Coding type	`TC`
		9128. CRC, bit	`16`
		9129. Max number of bits/TTI after channel coding	`2124`
		9130. RM attribute	`135-175`

6.10.2.4.1.23d.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.

6.10.2.4.1.23d.2.1.3   TFCS

9131. TFCS size	9132. 6
9133. TFCS	9134. (32 kbps RAB, DCCH)= 9135. (TF0,TF0), (TF1,TF0), (TF2,TF0), (TF0,TF1), (TF1,TF1), (TF2,TF1)

6.10.2.4.1.23d.2.2   Physical channel parameters

9		9137. DTX position	Flexible
9		9139. Spreading factor	64
9	9	9142. Number of TFCI bits/slot	8
9	9	9145. Number of TPC bits/slot	4
9	9	9148. Number of Pilot bits/slot	8
9	9	9151. Number of data bits/slot	60
9	9	9154. Number of data bits/frame	900

6.10.2.4.1.24   Void

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

915	9157. RAB/Signalling RB	**RAB**	
915			
915	9159. Logical channel type	DTCH	
	9160. RLC mode	AM	
	9161. Payload sizes, bit	320	
	9162. Max data rate, bps	64000	
	9163. AMD PDU header, bit	16	
916	9165. MAC header, bit	0	
	9166. MAC multiplexing	N/A	
916	9168. TrCH type	DCH	
	9169. TB sizes, bit	336	
	91 9171. TF0, bits	0x336	
	9172. TF1, bits	1x336	
	9173. TF2, bits	2x336	
	9174. TF3, bits	3x336	
	9175. TF4, bits	4x336	
	9176. TTI, ms	20	
	9177. Coding type	TC	
	9178. CRC, bit	16	
	9179. Max number of bits/TTI after channel coding	4236	
	9180. 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

9181. TFCS size	9182. 10
9183. TFCS	9184. (64 kbps RAB, DCCH)= 9185. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), 9186. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.2.4.1.25.2.2   Physical channel parameters

91			9188. DTX position	`Flexible`
			9189. Spreading factor	`32`
	91		9191. Number of TFCI bits/slot	`8`
			9192. Number of TPC bits/slot	`4`
			9193. Number of Pilot bits/slot	`8`
	91		9195. Number of data bits/slot	`140`
			9196. 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

6.10.2.4.1.26.1.1   Transport channel parameters

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

919		9199. RAB/Signalling RB	RAB
919			
920		9201. Logical channel type	DTCH
		9202. RLC mode	AM
		9203. Payload sizes, bit	320
		9204. Max data rate, bps	64000
		9205. AMD PDU header, bit	16
920		9207. MAC header, bit	0
		9208. MAC multiplexing	N/A
920		9210. TrCH type	DCH
		9211. TB sizes, bit	336
	92	9213. TF0, bits	0x336
		9214. TF1, bits	1x336
		9215. TF2, bits	2x336
		9216. TF3, bits	3x336
		9217. TF4, bits	4x336
		9218. TTI, ms	20
		9219. Coding type	TC
		9220. CRC, bit	16
		9221. Max number of bits/TTI after channel coding	4236
		9222. Uplink: Max number of bits/radio frame before rate matching	2118

9223. RM attribute	130-170

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.26.1.1.3 TFCS

9224. TFCS size	9225. 10	
9226. TFCS	9227. (64 kbps RAB, DCCH)= 9228. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), 9229. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)	

6.10.2.4.1.26.1.2 Physical channel parameters

92	9231. Min spreading factor	16
	9232. Max number of DPDCH data bits/radio frame	2400
	9233. Puncturing Limit	0.96

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 6.10.2.4.1.26.1.

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

923	9236. RAB/Signalling RB	**RAB**		
923				
923	9238. Logical channel type	DTCH		
	9239. RLC mode	AM		
	9240. Payload sizes, bit	320		
	9241. Max data rate, bps	128000		
	9242. AMD PDU header, bit	16		
924	9244. MAC header, bit	0		
	9245. MAC multiplexing	N/A		
924	9247. TrCH type	DCH		
	9248. TB sizes, bit	336		
	92	9250. TF0, bits	0x336	
		9251. TF1, bits	1x336	
		9252. TF2, bits	2x336	
		9253. TF3, bits	4 x336	
		9254. TF4, bits	8 x336	
	9255. TTI, ms	20		
	9256. Coding type	TC		
	9257. CRC, bit	16		
	9258. Max number of bits/TTI after channel coding	8460		
	9259. 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

9260. TFCS size	9261. 10
9262. TFCS	9263. (128 kbps RAB, DCCH)= 9264. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), 9265. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.2.4.1.27.2.2   Physical channel parameters

92			9267. DTX position	`Flexible`
			9268. Spreading factor	`16`
	92		9270. Number of TFCI bits/slot	`8`
			9271. Number of TPC bits/slot	`8`
			9272. Number of Pilot bits/slot	`16`
	92		9274. Number of data bits/slot	`288`
			9275. 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

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

927	9278.	RAB/Signalling RB	**RAB**	
927				
927	9280.	Logical channel type	DTCH	
	9281.	RLC mode	AM	
	9282.	Payload sizes, bit	320	
	9283.	Max data rate, bps	128000	
	9284.	AMD PDU header, bit	16	
928	9286.	MAC header, bit	0	
	9287.	MAC multiplexing	N/A	
928	9289.	TrCH type	DCH	
	9290.	TB sizes, bit	336	
	92	9292. TF0, bits	0x336	
		9293. TF1, bits	1x336	
		9294. TF2, bits	2x336	
		9295. TF3, bits	4 x336	
		9296. TF4, bits	8 x336	
	9297.	TTI, ms	20	
	9298.	Coding type	TC	
	9299.	CRC, bit	16	
	9300.	Max number of bits/TTI after channel coding	8460	
	9301.	Uplink: Max number of bits/radio frame before rate matching	4230	

	9302. 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

9303. TFCS size	9304. 10
9305. TFCS	9306. (128 kbps RAB, DCCH)= 9307. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), 9308. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.2.4.1.28.1.2 Physical channel parameters

93	9310. Min spreading factor	8
	9311. Max number of DPDCH data bits/radio frame	4800
	9312. 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 6.10.2.4.1.26.1.

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

931	9315.	RAB/Signalling RB	**RAB**
931			
931	9317.	Logical channel type	DTCH
	9318.	RLC mode	AM
	9319.	Payload sizes, bit	320
	9320.	Max data rate, bps	144000
	9321.	AMD PDU header, bit	16
932	9323.	MAC header, bit	0
	9324.	MAC multiplexing	N/A
932	9326.	TrCH type	DCH
	9327.	TB sizes, bit	336
93	9329. TF0, bits		0x336
	9330. TF1, bits		1x336
	9331. TF2, bits		2x336
	9332. TF3, bits		4 x336
	9333. TF4, bits		8 x336
	9334. TF5, bits		9x336
	9335.	TTI, ms	20
	9336.	Coding type	TC
	9337.	CRC, bit	16
	9338.	Max number of bits/TTI after channel coding	9516
	9339.	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

9340. TFCS size	9341. 12
9342. TFCS	9343. (144 kbps RAB, DCCH)= 9344. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0) 9345. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1)

6.10.2.4.1.29.2.2 Physical channel parameters

93			9347. DTX position	Flexible
			9348. Spreading factor	16
	93		9350. Number of TFCI bits/slot	8
			9351. Number of TPC bits/slot	8
			9352. Number of Pilot bits/slot	16
	93		9354. Number of data bits/slot	288
			9355. 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

935	9358. RAB/Signalling RB	**RAB**
935		
935	9360. Logical channel type	DTCH
	9361. RLC mode	AM
	9362. Payload sizes, bit	320
	9363. Max data rate, bps	144000
	9364. AMD PDU header, bit	16
936	9366. MAC header, bit	0
	9367. MAC multiplexing	N/A
936	9369. TrCH type	DCH
	9370. TB sizes, bit	336
93	9372. TF0, bits	0x336
	9373. TF1, bits	1x336
	9374. TF2, bits	2x336
	9375. TF3, bits	4 x336
	9376. TF4, bits	8 x336
	9377. TF5, bits	9 x336
	9378. TTI, ms	20
	9379. Coding type	TC
	9380. CRC, bit	16
	9381. Max number of bits/TTI after channel coding	9516

	9382. Uplink: Max number of bits/radio frame before rate matching	`4758`
	9383. 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

9384. TFCS size	9385. 12
9386. TFCS	9387. (144 kbps RAB, DCCH)= 9388. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0) 9389. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1)

6.10.2.4.1.30.1.2   Physical channel parameters

93	9391. Min spreading factor	`8`
	9392. Max number of DPDCH data bits/radio frame	`4800`
	9393. 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 6.10.2.4.1.26.1.

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

939	9396. RAB/Signalling RB	RAB
939		
939	9398. Logical channel type	DTCH
	9399. RLC mode	AM
	9400. Payload sizes, bit	320
	9401. Max data rate, bps	256000
	9402. AMD PDU header, bit	16
940	9404. MAC header, bit	0
	9405. MAC multiplexing	N/A
940	9407. TrCH type	DCH
	9408. TB sizes, bit	336
	94	9410. TF0, bits	0x336
		9411. TF1, bits	1x336
		9412. TF2, bits	2x336
		9413. TF3, bits	4 x336
		9414. TF4, bits	8 x336
		9415. TF5, bits	N/A (alt. 12x336)
		9416. TF6, bits	N/A (alt. 16x336)
	9417. TTI, ms	10(alt. 20)
	9418. Coding type	TC
	9419. CRC, bit	16
	9420. Max number of bits/TTI after channel coding	8460(alt. 16920)
	9421. 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

9422. TFCS size	9423. 10 (alt.14)
9424. TFCS	9425. (256 kbps RAB, DCCH)= 9426. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), 9427. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1) 9428. (alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0) 9429. (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

94		9431. DTX position	Flexible
		9432. Spreading factor	8
		9433. Number od DPDCH	1
	94	9435. Number of TFCI bits/slot	8
		9436. Number of TPC bits/slot	8
		9437. Number of Pilot bits/slot	16
	94	9439. Number of data bits/slot	608
		9440. 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 6.10.2.4.1.26.1.

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

944	9443. RAB/Signalling RB	**RAB**
944		
944	9445. Logical channel type	DTCH
	9446. RLC mode	AM
	9447. Payload sizes, bit	320
	9448. Max data rate, bps	384000
	9449. AMD PDU header, bit	16
945	9451. MAC header, bit	0
	9452. MAC multiplexing	N/A
945	9454. TrCH type	DCH
	9455. TB sizes, bit	336
	94	9457. TF0, bits	0x336
		9458. TF1, bits	1x336
		9459. TF2, bits	2x336
		9460. TF3, bits	4 x336
		9461. TF4, bits	8 x336
		9462. TF5, bits	12x336
		9463. TF6, bits	N/A (alt. 16 x336)
		9464. TF7, bits	N/A (alt. 20 x336)
		9465. TF8, bits	N/A (alt. 24 x336)
	9466. TTI, ms	10(alt. 20)
	9467. Coding type	TC
	9468. CRC, bit	16
	9469. Max number of bits/TTI after channel coding	12684(alt. 25368)

	9470. RM attribute	110-150

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.32.2.1.3   TFCS

9471. TFCS size	9472. 12 (alt.18)
9473. TFCS	9474. (384 kbps RAB, DCCH)= 9475. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0) 9476. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1) 9477. (alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7, TF0), (TF8, TF0), 9478. (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

94	9480. DTX position		Flexible
	9481. Spreading factor		8
	9482. Number of DPDCH		1
	94	9484. Number of TFCI bits/slot	8
		9485. Number of TPC bits/slot	8
		9486. Number of Pilot bits/slot	16
	94	9488. Number of data bits/slot	608
		9489. Number of data bits/frame	9120

ETSI

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

949	9492. RAB/Signalling RB	**RAB**	
949			
949	9494. Logical channel type	DTCH	
	9495. RLC mode	AM	
	9496. Payload sizes, bit	320	
	9497. Max data rate, bps	384000	
	9498. AMD PDU header, bit	16	
949	9500. MAC header, bit	0	
	9501. MAC multiplexing	N/A	
950	9503. TrCH type	DCH	
	9504. TB sizes, bit	336	
	95	9506. TF0, bits	0x336
		9507. TF1, bits	1x336
		9508. TF2, bits	2x336
		9509. TF3, bits	4 x336
		9510. TF4, bits	8 x336
		9511. TF5, bits	12x336

9512. TF6, bits		16x336(alt. N/A)
9513. TF7, bits		20x336(alt. N/A)
9514. TF8, bits		24 x336 (alt. N/A)
9515. TTI, ms		20 (alt. 10)
9516. Coding type		TC
9517. CRC, bit		16
9518. Max number of bits/TTI after channel coding		25368
9519. Uplink: Max number of bits/radio frame before rate matching		12684
9520. 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

9521. TFCS size	9522. 18 (alt.12)
9523. TFCS	9524. (384 kbps RAB, DCCH)= 9525. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7, TF0), (TF8, TF0), 9526. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1), (TF8, TF1) 9527. (alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0) 9528. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1))

6.10.2.4.1.34.1.2 Physical channel parameters

95			
	9530. Min spreading factor		4
	9531. Max number of DPDCH data bits/radio frame		9600
	9532. Number of DPDCH		1
	9533. 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 6.10.2.4.1.26.1.

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

953	9536. RAB/Signalling RB	`RAB`
953		
953	9538. Logical channel type	`DTCH`
	9539. RLC mode	`AM`
	9540. Payload sizes, bit	`640`
	9541. Max data rate, bps	`2048000`
	9542. AMD PDU header, bit	`16`
954	9544. MAC header, bit	`0`
	9545. MAC multiplexing	`N/A`
954	9547. TrCH type	`DCH`
	9548. TB sizes, bit	`656`
95	9550. TF0, bits	`0x656`
	9551. TF1, bits	`1x656`
	9552. TF2, bits	`2x656`
	9553. TF3, bits	`4 x656`
	9554. TF4, bits	`8 x656`
	9555. TF5, bits	`12x656`
	9556. TF6, bits	`16x656`

		9557. TF7, bits	`20x656`
		9558. TF8, bits	`24x656`
		9559. TF9, bits	`28x656`
		9560. TF10, bits	`32x656`
		9561. TF11, bits	`N/A (alt. 36x656)`
		9562. TF12, bits	`N/A (alt. 40x656)`
		9563. TF13, bits	`N/A (alt. 44x656)`
		9564. TF14, bits	`N/A (alt. 48x656)`
		9565. TF15, bits	`N/A (alt. 52x656)`
		9566. TF16, bits	`N/A (alt. 56x656)`
		9567. TF17, bits	`N/A (alt. 60x656)`
		9568. TF18, bits	`N/A (alt. 64x656)`
	9569. TTI, ms		`10(alt. 20)`
	9570. Coding type		`TC`
	9571. CRC, bit		`16`
	9572. Max number of bits/TTI after channel coding		`64575 (alt. 129141)`
	9573. 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

9574. TFCS size	9575. 22 (alt.38)
9576. TFCS	9577. (2048 kbps RAB, DCCH)= 9578. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7, TF0), (TF8, TF0), (TF9, TF0), (TF10, TF0), 9579. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1), (TF8, TF1), (TF9, TF1), (TF10, TF1) 9580. (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), 9581. (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

95		9583. DTX position	Flexible
		9584. Spreading factor	4
		9585. Number of DPCH	3
	95	9587. Number of TFCI bits/slot	8
		9588. Number of TPC bits/slot	8
		9589. Number of Pilot bits/slot	16
	95	9591. Number of data bits/slot	1248
		9592. Number of data bits/frame	18720

6.10.2.4.1.36 Void

6.10.2.4.1.37 Void

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

9593. T	9594. 18 (alt. 12)

ETSI

FCS size	
9595. TFCS	9596. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 32kbps RAB , DCCH)=
	9597. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	9598. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	9599. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	9600. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	9601. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	9602. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1)
	9603. (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),
	9604. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	9605. (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

960	9607. Min spreading factor	16
	9608. Max number of DPDCH data bits/radio frame	2400
	9609. 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

9610. TFCS size	9611. 12
9612. TFCS	9613. (RAB subflow#1, RAB subflow#2, RAB subflow#3,8kbps RAB, DCCH)= 9614. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0), 9615. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0), 9616. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1), 9617. (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

961	9619. DTX position	Flexible
	9620. Spreading factor	64
	9	9622. Number of TFCI bits/slot	8
		9623. Number of TPC bits/slot	4
		9624. Number of Pilot bits/slot	8
	9	9626. Number of data bits/slot	60
		9627. 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 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.38a.1   Uplink

6.10.2.4.1.38a.1.1   Transport channel parameters

6.10.2.4.1.38a.1.1.1   Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB

See clause 6.10.2.4.1.4.1.1.1.

6.10.2.4.1.38a.1.1.2   Transport channel parameters for Interactive or background / UL:0 kbps / PS RAB

96	9630.	RAB/Signalling RB	**RAB**
96			
96	9632.	Logical channel type	DTCH
	9633.	RLC mode	AM
	9634.	Payload sizes, bit	320
	9635.	Max data rate, bps	0
	9636.	AMD PDU header, bit	16
96	9638.	MAC header, bit	0
	9639.	MAC multiplexing	N/A
96	9641.	TrCH type	DCH
	9642.	TB sizes, bit	336
	9	9644. TF0, bits	9645. 0x336
	9646.	TTI, ms	20
	9647.	Coding type	CC
	9648.	CRC, bit	16
	9649.	Max number of bits/TTI after channel coding	0
	9650.	Uplink: Max number of bits/radio frame before rate matching	0
	9651.	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

9652. TFCS size	9653. 6
9654. TFCS	9655. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 0kbps RAB, DCCH)= 9656. (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF1,TF0,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF1,TF0,TF1)

6.10.2.4.1.38a.1.2 Physical channel parameters

96	9658. Min spreading factor	64
	9659. Max number of DPDCH data bits/radio frame	600
	9660. 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

96	9663. RAB/Signalling RB	**RAB**
96		
96	9665. Logical channel type	DTCH
	9666. RLC mode	AM
	9667. Payload sizes, bit	320
	9668. Max data rate, bps	0
	9669. AMD PDU header, bit	16
96	9671. MAC header, bit	0
	9672. MAC multiplexing	N/A
96	9674. TrCH type	DCH
	9675. TB sizes, bit	336
	9 9677. TF0, bits	0x336
	9678. TTI, ms	20
	9679. Coding type	CC
	9680. CRC, bit	16
	9681. Max number of bits/TTI after channel coding	0
	9682. 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 6.10.2.4.1.2.2.2.1.1

6.10.2.4.1.38a.2.1.4 TFCS

9683. TFCS size	9684. 6

9685. TFCS	9686. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 0kbps RAB, DCCH)= 9687. (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF1,TF0,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF1,TF0,TF1)

6.10.2.4.1.38a.2.2 Physical channel parameters

96		9690. DTX position	Fixed
		9691. Spreading factor	128
	96	9693. Number of TFCI bits/slot	0
		9694. Number of TPC bits/slot	2
		9695. Number of Pilot bits/slot	4
		9697. Number of data bits/slot	34
		9698. 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

96		9701. RAB/Signalling RB	RAB
	97		

97	9703. Logical channel type	DTCH
	9704. RLC mode	AM
	9705. Payload sizes, bit	320
	9706. Max data rate, bps	8000
	9707. AMD PDU header, bit	16
97	9709. MAC header, bit	0
	9710. MAC multiplexing	N/A
97	9712. TrCH type	DCH
	9713. TB sizes, bit	336
	9 9715. TF0, bits	0x336
	9716. TF1, bits	1x336
	9717. TTI, ms	40
	9718. Coding type	TC
	9719. CRC, bit	16
	9720. Max number of bits/TTI after channel coding	1068
	9721. Uplink: Max number of bits/radio frame before rate matching	267
	9722. 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

9723. TFCS size	9724. 12
9725. TFCS	9726. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 8 kbps RAB, DCCH)= 9727. (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), 9728. (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

97	9730. Min spreading factor	32
	9731. Max number of DPDCH data bits/radio frame	1200
	9732. 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

97	9735. RAB/Signalling RB	RAB
97		
97	9737. Logical channel type	DTCH
	9738. RLC mode	AM
	9739. Payload sizes, bit	320
	9740. Max data rate, bps	8000
	9741. AMD PDU header, bit	16
97	9743. MAC header, bit	0
	9744. MAC multiplexing	N/A
97	9746. TrCH type	DCH
	9747. TB sizes, bit	336
	9	9749. TF0, bits	0x336
		9750. TF1, bits	1x336
	9751. TTI, ms	40

9752. Coding type	`TC`	
9753. CRC, bit	`16`	
9754. Max number of bits/TTI after channel coding	`1068`	
9755. 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

9756. TFCS size	9757. 12
9758. TFCS	9759. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 8 kbps RAB, DCCH)= 9760. (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF1,TF0,TF0), 9761. (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), 9762. (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF1,TF1,TF1)

6.10.2.4.1.38b.2.2   Physical channel parameters

97		9765. DTX position	`Flexible`
		9766. Spreading factor	`64`
	97	9768. Number of TFCI bits/slot	`8`
		9769. Number of TPC bits/slot	`4`
		9770. Number of Pilot bits/slot	`8`
		9772. Number of data bits/slot	`60`
		9773. 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

9774. TFCS size	9775. 30
9776. TFCS	9777. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 32 kbps RAB, DCCH)= 9778. (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), 9779. (TF0,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF2,TF0), (TF2,TF1,TF1,TF2,TF0), 9780. (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), 9781. (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF1,TF1,TF1), 9782. (TF0,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF2,TF1), (TF2,TF1,TF1,TF2,TF1), 9783. (TF0,TF0,TF0,TF3,TF1), (TF1,TF0,TF0,TF3,TF1), (TF2,TF1,TF1,TF3,TF1), 9784. (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

97	9786. Min spreading factor	16

	9787. Max number of DPDCH data bits/radio frame	`2400`
	9788. 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

9789. TFCS size	9790. 30
9791. TFCS	9792. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 32 kbps RAB, DCCH)= 9793. (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF1,TF0,TF0), 9794. (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF1,TF1,TF0), 9795. (TF0,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF2,TF0), (TF2,TF1,TF1,TF2,TF0), 9796. (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), 9797. (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF1,TF1,TF1), 9798. (TF0,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF2,TF1), (TF2,TF1,TF1,TF2,TF1), 9799. (TF0,TF0,TF0,TF3,TF1), (TF1,TF0,TF0,TF3,TF1),

		(TF2,TF1,TF1,TF3,TF1),	
	9800.	(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

98	9803. DTX position	Flexible
	9804. Spreading factor	32
98	9806. Number of TFCI bits/slot	8
	9807. Number of TPC bits/slot	4
	9808. Number of Pilot bits/slot	8
	9810. Number of data bits/slot	140
	9811. 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

98	9814. RAB/Signalling RB	**RAB**	**RAB**
98			

98	9816. Logical channel type	DTCH	DTCH
	9817. RLC mode	AM	AM
	9818. Payload sizes, bit	320	320
	9819. Max data rate, bps	64000	64000
	9820. AMD PDU header, bit	16	16
98	9822. MAC header, bit	4	4
	9823. MAC multiplexing	2 logical channel multiplexing	
98	9825. TrCH type	DCH	
	9826. TB sizes, bit	340	
	9 9828. TF0, bits	0x340	
	9829. TF1, bits	1x340	
	9 9831. TF2, bits	2x340	
	9 9833. TF3, bits	3x340	
	9 9835. TF4, bits	4x340	
	9836. TTI, ms	20	
	9837. Coding type	TC	
	9838. CRC, bit	16	
98	9840. Max number of bits/TTI after channel coding	4284	
	9841. Uplink: Max number of bits/radio frame before rate matching	2142	
	9842. 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

9843. TFCS size	9844. 30	
9845. TFCS	9846. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB + 64 kbps RAB, DCCH)=	
	9847. (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0),(TF2,TF1,TF1,TF0,TF0),	

	9848. (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0),(TF2,TF1,TF1,TF1,TF0),
	9849. (TF0,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF2,TF0),(TF2,TF1,TF1,TF2,TF0),
	9850. (TF0,TF0,TF0,TF3,TF0), (TF1,TF0,TF0,TF3,TF0),(TF2,TF1,TF1,TF3,TF0),
	9851. (TF0,TF0,TF0,TF4,TF0), (TF1,TF0,TF0,TF4,TF0),(TF2,TF1,TF1,TF4,TF0),
	9852. (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1),(TF2,TF1,TF1,TF0,TF1),
	9853. (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1),(TF2,TF1,TF1,TF1,TF1),
	9854. (TF0,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF2,TF1),(TF2,TF1,TF1,TF2,TF1),
	9855. (TF0,TF0,TF0,TF3,TF1), (TF1,TF0,TF0,TF3,TF1),(TF2,TF1,TF1,TF3,TF1),
	9856. (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

98	9858. Min spreading factor	`16`
	9859. Max number of DPDCH data bits/radio frame	`2400`
	9860. 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

98	9863. RAB/Signalling RB		**RAB**
98			
98	9865. Logical channel type	`DTCH`	`DTCH`

		9866. RLC mode	`AM`	`AM`
		9867. Payload sizes, bit	`320`	`320`
		9868. Max data rate, bps	`64000`	`64000`
		9869. AMD PDU header, bit	`16`	`16`
	98	9871. MAC header, bit	`4`	`4`
		9872. MAC multiplexing	`2 logical channel multiplexing`	
	98	9874. TrCH type	`DCH`	
		9875. TB sizes, bit	`340`	
	98	9	9878. 0x340	`0x340`	
			9879. 1x340	`1x340`	
		9	9881. 2x340	`2x340`	
		9	9883. 3x340	`3x340`	
		9	9885. 4x340	`4x340`	
		9886. TTI, ms	`20`	
		9887. Coding type	`TC`	
		9888. CRC, bit	`16`	
		9889. Max number of bits/TTI after channel coding	`4284`	
		9890. RM attribute	`130-170`	

6.10.2.4.1.38d.2.1.3   Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.38d.2.1.4   TFCS

9891. TFCS size	9892. 30
9893. TFCS	9894. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB + 64 kbps RAB, DCCH)= 9895. (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0),(TF2,TF1,TF1,TF0,TF0), 9896. (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0),(TF2,TF1,TF1,TF1,TF0),

	9897. (TF0,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF2,TF0),(TF2,TF1,TF1,TF2,TF0),
	9898. (TF0,TF0,TF0,TF3,TF0), (TF1,TF0,TF0,TF3,TF0),(TF2,TF1,TF1,TF3,TF0),
	9899. (TF0,TF0,TF0,TF4,TF0), (TF1,TF0,TF0,TF4,TF0),(TF2,TF1,TF1,TF4,TF0),
	9900. (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1),(TF2,TF1,TF1,TF0,TF1),
	9901. (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1),(TF2,TF1,TF1,TF1,TF1),
	9902. (TF0,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF2,TF1),(TF2,TF1,TF1,TF2,TF1),
	9903. (TF0,TF0,TF0,TF3,TF1), (TF1,TF0,TF0,TF3,TF1),(TF2,TF1,TF1,TF3,TF1),
	9904. (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

99		9907. DTX position	Flexible
		9908. Spreading factor	32
99		9910. Number of TFCI bits/slot	8
		9911. Number of TPC bits/slot	4
		9912. Number of Pilot bits/slot	8
		9914. Number of data bits/slot	140
		9915. 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

9916. TFCS size	9917. 12
9918. TFCS	9919. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 0 kbps RAB, DCCH)= 9920. (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1)

6.10.2.4.1.38e.1.2   Physical channel parameters

99	9922. Min spreading factor	64
	9923. Max number of DPDCH data bits/radio frame	600
	9924. 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

9925. TFC	9926. 12

S size e	
9927. TFCS	9928. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 0 kbps RAB, DCCH)= 9929. (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

99		9932. DTX position	Fixed
		9933. Spreading factor	128
99		9935. Number of TFCI bits/slot	0
		9936. Number of TPC bits/slot	2
		9937. Number of Pilot bits/slot	4
		9939. Number of data bits/slot	34
		9940. 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.1.1.2.

6.10.2.4.1.38f.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.38f.1.1.4   TFCS

9941. TFCS size	9942. 24
9943. TFCS	9944. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 8 kbps RAB, DCCH)= 9945. (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF0,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1)

6.10.2.4.1.38f.1.2   Physical channel parameters

99	9947. Min spreading factor	32
	9948. Max number of DPDCH data bits/radio frame	1200
	9949. 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.2.1.2

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

9950. TFC	9951. 24

S size e	
9952. TFCS	9953. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 8 kbps RAB, DCCH)= 9954. (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF0,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1)

6.10.2.4.1.38f.2.2   Physical channel parameters

99		9957. DTX position	Flexible
		9958. Spreading factor	64
99		9960. Number of TFCI bits/slot	8
		9961. Number of TPC bits/slot	4
		9962. Number of Pilot bits/slot	8
		9964. Number of data bits/slot	60
		9965. 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

9966. TFCS size	9967. 32
9968. TFCS	9969. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 16 kbps RAB, DCCH)= 9970. (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF2,TF0), (TF3,TF2,TF0,TF2,TF0), (TF4,TF3,TF0,TF2,TF0), (TF5,TF4,TF1,TF2,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1), (TF0,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF2,TF1), (TF3,TF2,TF0,TF2,TF1), (TF4,TF3,TF0,TF2,TF1), (TF5,TF4,TF1,TF2,TF1) 9971.

6.10.2.4.1.38g.1.2 Physical channel parameters

99	9973. Min spreading factor	32
	9974. Max number of DPDCH data bits/radio frame	1200
	9975. 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

9976. TFCS size	9977. 36
9978. TFCS	9979. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 16 kbps RAB, DCCH)=
	9980. (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF2,TF0), (TF2,TF1,TF0,TF2,TF0), (TF3,TF2,TF0,TF2,TF0), (TF4,TF3,TF0,TF2,TF0), (TF5,TF4,TF1,TF2,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF0,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1), (TF0,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF2,TF1), (TF2,TF1,TF0,TF2,TF1), (TF3,TF2,TF0,TF2,TF1), (TF4,TF3,TF0,TF2,TF1), (TF5,TF4,TF1,TF2,TF1)

6.10.2.4.1.38g.2.2   Physical channel parameters

99		9983. DTX position	Flexible
		9984. Spreading factor	64
	99	9986. Number of TFCI bits/slot	8
		9987. Number of TPC bits/slot	4
		9988. Number of Pilot bits/slot	8
		9990. Number of data bits/slot	60
		9991. 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

9992. TFCS size	9993. 32
9994. TFCS	9995. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 32 kbps RAB, DCCH)= 9996. (TF0,TF0,TF0,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF0,TF0,TF0,TF2,TF0), (TF0,TF0,TF0,TF4,TF0), (TF5,TF4,TF1,TF0,TF0), (TF5,TF4,TF1,TF1,TF0), (TF5,TF4,TF1,TF2,TF0), (TF5,TF4,TF1,TF4,TF0), (TF4,TF3,TF0,TF0,TF0), (TF4,TF3,TF0,TF1,TF0), (TF3,TF2,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF4,TF0), (TF0,TF0,TF0,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF0,TF0,TF0,TF2,TF1), (TF0,TF0,TF0,TF4,TF1), (TF5,TF4,TF1,TF0,TF1), (TF5,TF4,TF1,TF1,TF1), (TF5,TF4,TF1,TF2,TF1), (TF5,TF4,TF1,TF4,TF1), (TF4,TF3,TF0,TF0,TF1), (TF4,TF3,TF0,TF1,TF1), (TF3,TF2,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF4,TF1)

6.10.2.4.1.38h.1.2   Physical channel parameters

99	9998. Min spreading factor	16
	9999. Max number of DPDCH data bits/radio frame	2400
	10000. 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

10001. TFCS size	10002. 48
10003. TFCS	10004. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 32 kbps RAB, DCCH)= 10005. (TF0,TF0,TF0,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF0,TF0,TF0,TF2,TF0), (TF0,TF0,TF0,TF4,TF0), (TF5,TF4,TF1,TF0,TF0), (TF5,TF4,TF1,TF1,TF0), (TF5,TF4,TF1,TF2,TF0), (TF5,TF4,TF1,TF4,TF0), (TF4,TF3,TF0,TF0,TF0), (TF4,TF3,TF0,TF1,TF0), (TF4,TF3,TF0,TF2,TF0), (TF4,TF3,TF0,TF4,TF0), (TF3,TF2,TF0,TF0,TF0), (TF3,TF2,TF0,TF1,TF0), (TF3,TF2,TF0,TF2,TF0), (TF3,TF2,TF0,TF4,TF0), (TF2,TF1,TF0,TF0,TF0), (TF2,TF1,TF0,TF1,TF0), (TF2,TF1,TF0,TF2,TF0), (TF2,TF1,TF0,TF4,TF0), (TF1,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF4,TF0), (TF0,TF0,TF0,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF0,TF0,TF0,TF2,TF1), (TF0,TF0,TF0,TF4,TF1), (TF5,TF4,TF1,TF0,TF1), (TF5,TF4,TF1,TF1,TF1), (TF5,TF4,TF1,TF2,TF1), (TF5,TF4,TF1,TF4,TF1), (TF4,TF3,TF0,TF0,TF1), (TF4,TF3,TF0,TF1,TF1), (TF4,TF3,TF0,TF2,TF1), (TF4,TF3,TF0,TF4,TF1), (TF3,TF2,TF0,TF0,TF1), (TF3,TF2,TF0,TF1,TF1), (TF3,TF2,TF0,TF2,TF1), (TF3,TF2,TF0,TF4,TF1), (TF2,TF1,TF0,TF0,TF1), (TF2,TF1,TF0,TF1,TF1), (TF2,TF1,TF0,TF2,TF1), (TF2,TF1,TF0,TF4,TF1), (TF1,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF4,TF1)

6.10.2.4.1.38h.2.2   Physical channel parameters

10		10008. DTX position	Flexible
		10009. Spreading factor	32
	10	10011. Number of TFCI bits/slot	8
		10012. Number of TPC bits/slot	4

		10013. Number of Pilot bits/slot	8
		10015. Number of data bits/slot	140
		10016. 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 6.10.2.4.1.26.1.1.1.

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

10017. TFCS size	10018. 48
10019. TFCS	10020. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB, DCCH)= 10021. (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF2,TF0), (TF2,TF1,TF0,TF2,TF0), (TF3,TF2,TF0,TF2,TF0), (TF4,TF3,TF0,TF2,TF0), (TF5,TF4,TF1,TF2,TF0), (TF0,TF0,TF0,TF4,TF0), (TF1,TF0,TF0,TF4,TF0), (TF2,TF1,TF0,TF4,TF0), (TF3,TF2,TF0,TF4,TF0), (TF4,TF3,TF0,TF4,TF0), (TF5,TF4,TF1,TF4,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF0,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1), (TF0,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF2,TF1), (TF2,TF1,TF0,TF2,TF1), (TF3,TF2,TF0,TF2,TF1), (TF4,TF3,TF0,TF2,TF1), (TF5,TF4,TF1,TF2,TF1), (TF0,TF0,TF0,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

10	10023. Min spreading factor	16
	10024. Max number of DPDCH data bits/radio frame	2400
	10025. 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

10026. TFCS size	10027. 60
10028. TFCS	10029. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB, DCCH)= 10030. (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF2,TF0), (TF2,TF1,TF0,TF2,TF0), (TF3,TF2,TF0,TF2,TF0), (TF4,TF3,TF0,TF2,TF0), (TF5,TF4,TF1,TF2,TF0), (TF0,TF0,TF0,TF3,TF0), (TF1,TF0,TF0,TF3,TF0), (TF2,TF1,TF0,TF3,TF0), (TF3,TF2,TF0,TF3,TF0), (TF4,TF3,TF0,TF3,TF0), (TF5,TF4,TF1,TF3,TF0), (TF0,TF0,TF0,TF4,TF0), (TF1,TF0,TF0,TF4,TF0), (TF2,TF1,TF0,TF4,TF0), (TF3,TF2,TF0,TF4,TF0), (TF4,TF3,TF0,TF4,TF0), (TF5,TF4,TF1,TF4,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1),

	(TF2,TF1,TF0,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1), (TF0,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF2,TF1), (TF2,TF1,TF0,TF2,TF1), (TF3,TF2,TF0,TF2,TF1), (TF4,TF3,TF0,TF2,TF1), (TF5,TF4,TF1,TF2,TF1), (TF0,TF0,TF0,TF3,TF1), (TF1,TF0,TF0,TF3,TF1), (TF2,TF1,TF0,TF3,TF1), (TF3,TF2,TF0,TF3,TF1), (TF4,TF3,TF0,TF3,TF1), (TF5,TF4,TF1,TF3,TF1), (TF0,TF0,TF0,TF4,TF1), (TF1,TF0,TF0,TF4,TF1), (TF2,TF1,TF0,TF4,TF1), (TF3,TF2,TF0,TF4,TF1), (TF4,TF3,TF0,TF4,TF1), (TF5,TF4,TF1,TF4,TF1)

6.10.2.4.1.38i.2.2 Physical channel parameters

	10	10033. DTX position	Flexible
		10034. Spreading factor	32
	10	10036. Number of TFCI bits/slot	8
		10037. Number of TPC bits/slot	4
		10038. Number of Pilot bits/slot	8
		10040. Number of data bits/slot	140
		10041. 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

10042. TFCS size	10043. 60
10044. TFCS	10045. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 128 kbps RAB, DCCH)= 10046. (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF2,TF0), (TF2,TF1,TF0,TF2,TF0), (TF3,TF2,TF0,TF2,TF0), (TF4,TF3,TF0,TF2,TF0), (TF5,TF4,TF1,TF2,TF0), (TF0,TF0,TF0,TF3,TF0), (TF1,TF0,TF0,TF3,TF0), (TF2,TF1,TF0,TF3,TF0), (TF3,TF2,TF0,TF3,TF0), (TF4,TF3,TF0,TF3,TF0), (TF5,TF4,TF1,TF3,TF0), (TF0,TF0,TF0,TF4,TF0), (TF1,TF0,TF0,TF4,TF0), (TF2,TF1,TF0,TF4,TF0), (TF3,TF2,TF0,TF4,TF0), (TF4,TF3,TF0,TF4,TF0), (TF5,TF4,TF1,TF4,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF0,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1), (TF0,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF2,TF1), (TF2,TF1,TF0,TF2,TF1), (TF3,TF2,TF0,TF2,TF1), (TF4,TF3,TF0,TF2,TF1), (TF5,TF4,TF1,TF2,TF1), (TF0,TF0,TF0,TF3,TF1), (TF1,TF0,TF0,TF3,TF1), (TF2,TF1,TF0,TF3,TF1), (TF3,TF2,TF0,TF3,TF1), (TF4,TF3,TF0,TF3,TF1), (TF5,TF4,TF1,TF3,TF1), (TF0,TF0,TF0,TF4,TF1), (TF1,TF0,TF0,TF4,TF1), (TF2,TF1,TF0,TF4,TF1), (TF3,TF2,TF0,TF4,TF1), (TF4,TF3,TF0,TF4,TF1), (TF5,TF4,TF1,TF4,TF1)

6.10.2.4.1.38j.2.2 Physical channel parameters

10		10049. DTX position	Flexible
		10050. Spreading factor	16
	10	10052. Number of TFCI bits/slot	8
		10053. Number of TPC bits/slot	8
		10054. Number of Pilot bits/slot	16
		10056. Number of data bits/slot	288

		10057. 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

10058. TFCS size	10059. 30
10060. TFCS	10061. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB , DCCH)=
	10062. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	10063. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	10064. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	10065. (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	10066. (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	10067. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	10068. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	10069. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1,

	TF2, TF1),	
	10070. (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),	
	10071. (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

100		10073. DTX position	Flexible
		10074. Spreading factor	32
		10076. Number of TFCI bits/slot	8
		10077. Number of TPC bits/slot	4
		10078. Number of Pilot bits/slot	8
		10080. Number of data bits/slot	140
		10081. 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 6.10.2.4.1.26.1.1.1.

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

10082. TFC	10083. 30

S size e		
10084. T FC S	10085. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB , DCCH)=
	10086. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	10087. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	10088. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	10089. (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	10090. (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	10091. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	10092. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	10093. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	10094. (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	10095. (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

100		
	10097. Min spreading factor	16
	10098. Max number of DPDCH data bits/radio frame	2400
	10099. 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

10100. TFCS size	10101. 30
10102. TFCS	10103. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 128 kbps RAB , DCCH)=
	10104. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	10105. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	10106. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	10107. (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	10108. (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	10109. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	10110. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	10111. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	10112. (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	10113. (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

10		10115. DTX position	`Flexible`
		10116. Spreading factor	`16`
	1	10118. Number of TFCI bits/slot	`8`
		10119. Number of TPC bits/slot	`8`
		10120. Number of Pilot bits/slot	`16`
	1	10122. Number of data bits/slot	`288`
		10123. 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

10124. TFCS siz	10125. 30 (alt. 42)

e	
10126. TFCS	10127. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 256 kbps RAB , DCCH)=
	10128. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	10129. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	10130. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	10131. (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	10132. (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	10133. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	10134. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	10135. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	10136. (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	10137. (TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)
	10138. (alt. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	10139. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	10140. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	10141. (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	10142. (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	10143. (TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	10144. (TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0),
	10145. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	10146. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	10147. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	10148. (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1,

ETSI

	TF3, TF1),	
	10149. (TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)	
	10150. (TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1),	
	10151. (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

10	1		10153. DTX position	Flexible
			10154. Spreading factor	8
			10155. Number of DPDCH	1
		1	10157. Number of TFCI bits/slot	8
			10158. Number of TPC bits/slot	8
			10159. Number of Pilot bits/slot	16
		1	10161. Number of data bits/slot	608
			10162. 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

10163. TFCS size	10164. 36 (alt. 54)
10165. TFCS	10166. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 384 kbps RAB , DCCH)=
	10167. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	10168. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	10169. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	10170. (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	10171. (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	10172. (TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	10173. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	10174. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	10175. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	10176. (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	10177. (TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)
	10178. (TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1),
	10179. (alt. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	10180. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	10181. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	10182. (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	10183. (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),

		10184. (TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
		10185. (TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0),
		10186. (TF0, TF0, TF0, TF7, TF0), (TF1, TF0, TF0, TF7, TF0), (TF2, TF1, TF1, TF7, TF0),
		10187. (TF0, TF0, TF0, TF8, TF0), (TF1, TF0, TF0, TF8, TF0), (TF2, TF1, TF1, TF8, TF0),
		10188. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
		10189. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
		10190. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
		10191. (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
		10192. (TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)
		10193. (TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1)
		10194. (TF0, TF0, TF0, TF6, TF1), (TF1, TF0, TF0, TF6, TF1), (TF2, TF1, TF1, TF6, TF1),
		10195. (TF0, TF0, TF0, TF7, TF1), (TF1, TF0, TF0, TF7, TF1), (TF2, TF1, TF1, TF7, TF1)
		10196. (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

10	1	10198. DTX position	Flexible
		10199. Spreading factor	8
		10200. Number of DPDCH	1
	1	10202. Number of TFCI bits/slot	8
		10203. Number of TPC bits/slot	8
		10204. Number of Pilot bits/slot	16
	1	10206. Number of data bits/slot	608

		10207. 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

10208. TFCS size	10209. 30
10210. TFCS	10211. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 128 kbps RAB , DCCH)=
	10212. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	10213. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	10214. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	10215. (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	10216. (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	10217. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	10218. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	10219. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	10220. (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1,

		TF3, TF1),	
		10221.(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

	102	10223.Min spreading factor	8
		10224.Max number of DPDCH data bits/radio frame	4800
		10225.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

	10226.TFCS size	10227.66 (alt. 114)
	10228.TFCS	10229.(RAB subflow#1, RAB subflow#2, RAB subflow#3, 2048 kbps RAB , DCCH)=
		10230.(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
		10231. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
		10232.(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
		10233.(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),

| | 10234. (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),

10235. (TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),

10236. (TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0),

10237. (TF0, TF0, TF0, TF7, TF0), (TF1, TF0, TF0, TF7, TF0), (TF2, TF1, TF1, TF7, TF0),

10238. (TF0, TF0, TF0, TF8, TF0), (TF1, TF0, TF0, TF8, TF0), (TF2, TF1, TF1, TF8, TF0),

10239. (TF0, TF0, TF0, TF9, TF0), (TF1, TF0, TF0, TF9, TF0), (TF2, TF1, TF1, TF9, TF0),

10240. (TF0, TF0, TF0, TF10, TF0), (TF1, TF0, TF0, TF10, TF0), (TF2, TF1, TF1, TF10, TF0),

10241. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),

10242. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),

10243. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),

10244. (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),

10245. (TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)

10246. (TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1),

10247. TF0, TF0, TF0, TF6, TF1), (TF1, TF0, TF0, TF6, TF1), (TF2, TF1, TF1, TF6, TF1),

10248. (TF0, TF0, TF0, TF7, TF1), (TF1, TF0, TF0, TF7, TF1), (TF2, TF1, TF1, TF7, TF1),

10249. (TF0, TF0, TF0, TF8, TF1), (TF1, TF0, TF0, TF8, TF1), (TF2, TF1, TF1, TF8, TF1),

10250. (TF0, TF0, TF0, TF9, TF1), (TF1, TF0, TF0, TF9, TF1), (TF2, TF1, TF1, TF9, TF1)

10251. (TF0, TF0, TF0, TF10, TF1), (TF1, TF0, TF0, TF10, TF1), (TF2, TF1, TF1, TF10, TF1)

10252. (alt. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),

10253. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),

10254. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),

10255. (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0), |

	10256. (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	10257. (TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	10258. (TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0),
	10259. (TF0, TF0, TF0, TF7, TF0), (TF1, TF0, TF0, TF7, TF0), (TF2, TF1, TF1, TF7, TF0),
	10260. (TF0, TF0, TF0, TF8, TF0), (TF1, TF0, TF0, TF8, TF0), (TF2, TF1, TF1, TF8, TF0),
	10261. (TF0, TF0, TF0, TF9, TF0), (TF1, TF0, TF0, TF9, TF0), (TF2, TF1, TF1, TF9, TF0),
	10262. (TF0, TF0, TF0, TF10, TF0), (TF1, TF0, TF0, TF10, TF0), (TF2, TF1, TF1, TF10, TF0),
	10263. (TF0, TF0, TF0, TF11, TF0), (TF1, TF0, TF0, TF11, TF0), (TF2, TF1, TF1, TF11, TF0),
	10264. (TF0, TF0, TF0, TF12, TF0), (TF1, TF0, TF0, TF12, TF0), (TF2, TF1, TF1, TF12, TF0),
	10265. (TF0, TF0, TF0, TF13, TF0), (TF1, TF0, TF0, TF13, TF0), (TF2, TF1, TF1, TF13, TF0),
	10266. (TF0, TF0, TF0, TF14, TF0), (TF1, TF0, TF0, TF14, TF0), (TF2, TF1, TF1, TF14, TF0),
	10267. (TF0, TF0, TF0, TF15, TF0), (TF1, TF0, TF0, TF15, TF0), (TF2, TF1, TF1, TF15, TF0),
	10268. (TF0, TF0, TF0, TF16, TF0), (TF1, TF0, TF0, TF16, TF0), (TF2, TF1, TF1, TF16, TF0),
	10269. (TF0, TF0, TF0, TF17, TF0), (TF1, TF0, TF0, TF17, TF0), (TF2, TF1, TF1, TF17, TF0),
	10270. (TF0, TF0, TF0, TF18, TF0), (TF1, TF0, TF0, TF18, TF0), (TF2, TF1, TF1, TF18, TF0),
	10271. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	10272. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	10273. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	10274. (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	10275. (TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1),
	10276. (TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1),
	10277. (TF0, TF0, TF0, TF6, TF1), (TF1, TF0, TF0, TF6, TF1), (TF2, TF1, TF1, TF6, TF1),

		10278. (TF0, TF0, TF0, TF7, TF1), (TF1, TF0, TF0, TF7, TF1), (TF2, TF1, TF1, TF7, TF1),
		10279. (TF0, TF0, TF0, TF8, TF1), (TF1, TF0, TF0, TF8, TF1), (TF2, TF1, TF1, TF8, TF1),
		10280. (TF0, TF0, TF0, TF9, TF1), (TF1, TF0, TF0, TF9, TF1), (TF2, TF1, TF1, TF9, TF1),
		10281. (TF0, TF0, TF0, TF10, TF1), (TF1, TF0, TF0, TF10, TF1), (TF2, TF1, TF1, TF10, TF1),
		10282. (TF0, TF0, TF0, TF11, TF1), (TF1, TF0, TF0, TF11, TF1), (TF2, TF1, TF1, TF11, TF1),
		10283. (TF0, TF0, TF0, TF12, TF1), (TF1, TF0, TF0, TF12, TF1), (TF2, TF1, TF1, TF12, TF1),
		10284. (TF0, TF0, TF0, TF13, TF1), (TF1, TF0, TF0, TF13, TF1), (TF2, TF1, TF1, TF13, TF1),
		10285. (TF0, TF0, TF0, TF14, TF1), (TF1, TF0, TF0, TF14, TF1), (TF2, TF1, TF1, TF14, TF1),
		10286. (TF0, TF0, TF0, TF15, TF1), (TF1, TF0, TF0, TF15, TF1), (TF2, TF1, TF1, TF15, TF1),
		10287. (TF0, TF0, TF0, TF16, TF1), (TF1, TF0, TF0, TF16, TF1), (TF2, TF1, TF1, TF16, TF1),
		10288. (TF0, TF0, TF0, TF17, TF1), (TF1, TF0, TF0, TF17, TF1), (TF2, TF1, TF1, TF17, TF1),
		10289. (TF0, TF0, TF0, TF18, TF1), (TF1, TF0, TF0, TF18, TF1), (TF2, TF1, TF1, TF18, TF1))

6.10.2.4.1.44.2.2   Physical channel parameters

	102	10291. DTX position	Flexible
		10292. Spreading factor	4
		10293. Number of DPDCH	3
		10295. Number of TFCI bits/slot	8
		10296. Number of TPC bits/slot	8
		10297. Number of Pilot bits/slot	16
		10299. Number of data bits/slot	1248

		10300. 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 DL:3.4 kbps 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

10301. TFCS size	10302. 30
10303. TFCS	10304. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 57.6 kbps RAB , DCCH)=
	10305. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	10306. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	10307. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	10308. (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	10309. (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	10310. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	10311. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	10312. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	10313. (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1,

		TF3, TF1),	
		10314. (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

	10B	10316. Min spreading factor	16
		10317. Max number of DPDCH data bits/radio frame	2400
		10318. 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

	10319. TFCS size	10320. 30
	10321. TFCS	10322. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 57.6 kbps RAB , DCCH)=
		10323. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
		10324. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
		10325. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
		10326. (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),

		10327. (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),	
		10328. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),	
		10329. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),	
		10330. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),	
		10331. (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),	
		10332. (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

10333		10334. DTX position	Flexible
		10335. Spreading factor	32
	1	10337. Number of TFCI bits/slot	8
		10338. Number of TPC bits/slot	4
		10339. Number of Pilot bits/slot	8
	1	10341. Number of data bits/slot	140
		10342. Number of data bits/frame	2100

6.10.2.4.1.46   Void

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

10343. TFCS size	10344. 12
10345. TFCS	10346. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB , DCCH)=
	10347. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	10348. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	10349. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	10350. (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

10351	10352. Min spreading factor	16
	10353. Max number of DPDCH data bits/radio frame	2400

	10354. 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

10355. TFCS size	10356. 12
10357. TFCS	10358. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB , DCCH)= 10359. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0), 10360. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0), 10361. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1), 10362. (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

10363.		10364. DTX position	`Flexible`
		10365. Spreading factor	`32`
		10367. Number of TFCI bits/slot	`8`
		10368. Number of TPC bits/slot	`4`

		10369. Number of Pilot bits/slot	8
	1	10371. Number of data bits/slot	140
		10372. Number of data bits/frame	2100

6.10.2.4.1.49a   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

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

10373. TFCS size	10374. 24
10375. TFCS	10376. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB, DCCH)= 10377. (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), 10378. (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

10	10380. Min spreading factor	16
	10381. Max number of DPDCH data bits/radio frame	2400
	10382. 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

10383. TFCS size	10384. 24
10385. TFCS	10386. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB, DCCH)= 10387. (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), 10388. (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

10		10391. DTX position	Flexible
		10392. Spreading factor	32
	10	10394. Number of TFCI bits/slot	8
		10395. Number of TPC bits/slot	4
		10396. Number of Pilot bits/slot	8
		10398. Number of data bits/slot	140
		10399. 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

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

See clause 6.10.2.4.1.13.1.1.1.

6.10.2.4.1.50.1.1.2   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

10400. TFCS size	10401. 8
10402. TFCS	10403. (64 kbps RAB, 64 kbps RAB, DCCH)= 10404. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF0, TF1, TF0), (TF1, TF1, TF0) 10405. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF0, TF1, TF1), (TF1, TF1, TF1)

6.10.2.4.1.50.1.2 Physical channel parameters

104	10407. Min spreading factor	8
	10408. Max number of DPDCH data bits/radio frame	4800
	10409. 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

10410. TFCS size	10411. 8
10412. TFCS	10413. (64 kbps RAB, 64 kbps RAB, DCCH)= 10414. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF0, TF1, TF0), (TF1, TF1, TF0) 10415. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF0, TF1, TF1), (TF1, TF1, TF1)

6.10.2.4.1.50.2.2 Physical channel parameters

104	10417. DTX position	Flexible
	10418. Spreading factor	16
	10420. Number of TFCI bits/slot	8
	10421. Number of TPC bits/slot	8
	10422. Number of Pilot bits/slot	16

		10424. Number of data bits/slot	288
		10425. 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 6.10.2.4.1.26.1.1.1.

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

10426. TFCS size	10427. 20
10428. TFCS	10429. (Conv. 64 kbps RAB, I/B 64 kbps RAB, DCCH)= 10430. (TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF0, TF3, TF0), (TF0, TF4, TF0), 10431. (TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF1, TF3, TF0), (TF1, TF4, TF0), 10432. (TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF0, TF3, TF1), (TF0, TF4, TF1), 10433. (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

104	10435. Min spreading factor	8
	10436. Max number of DPDCH data bits/radio frame	4800

	10437. 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

10438. TFCS size	10439. 20
10440. TFCS	10441. (Conv. 64 kbps RAB, I/B 64 kbps RAB, DCCH)= 10442. (TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF0, TF3, TF0), (TF0, TF4, TF0), 10443. (TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF1, TF3, TF0), (TF1, TF4, TF0), 10444. (TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF0, TF3, TF1), (TF0, TF4, TF1), 10445. (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

104		10447. DTX position	Flexible
		10448. Spreading factor	16
		10450. Number of TFCI bits/slot	8
		10451. Number of TPC bits/slot	8

		10452. Number of Pilot bits/slot	16
	1	10454. Number of data bits/slot	288
		10455. 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 6.10.2.4.1.38b.1.1.2.

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

10456. TFCS size	10457. 8
10458. TFCS	10459. (64 kbps Conversational RAB, 8 kbps I/B RAB, DCCH)= 10460. (TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF0, TF1), (TF0, TF1, TF1), 10461. (TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF0, TF1), (TF1, TF1, TF1)

6.10.2.4.1.51a.1.2   Physical channel parameters

1	10463. Min spreading factor	10464. 16
	10465. Max number of DPDCH data bits/radio frame	10466. 2400

10467. Puncturing Limit	10468. 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.2.1.2.

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

10469. TFCS size	10470. 8
10471. TFCS	10472. (64 kbps Conversational RAB, 8 kbps I/B RAB, DCCH)= 10473. (TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF0, TF1), (TF0, TF1, TF1), 10474. (TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF0, TF1), (TF1, TF1, TF1)

6.10.2.4.1.51a.2.2 Physical channel parameters

1		10476. DTX position	10477. Flexible
		10478. Spreading factor	10479. 32
	1	10481. Number of TFCI bits/slot	10482. 8
		10483. Number of TPC bits/slot	10484. 4
		10485. Number of Pilot bits/slot	10486. 8

		10488. Number of data bits/slot	10489. 140
		10490. Number of data bits/frame	10491. 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

1049	10493. RAB/Signalling RB	**10494. RAB**
1049	10496. Logical channel type	10497. DTCH
	10498. RLC mode	10499. AM
	10500. Payload sizes, bit	10501. 320
	10502. Max data rate, bps	10503. 16000
	10504. AMD PDU header, bit	10505. 16
1050	10507. MAC header, bit	10508. 0
	10509. MAC multiplexing	10510. N/A
1051	10512. TrCH type	10513. DCH
	10514. TB sizes, bit	10515. 336
	10517. TF0, bits	10518. 0x336
	10519. TF1, bits	10520. 1x336
	10521. TF2, bits	10522. 2x336
	10523. TTI, ms	10524. 40

10525. Coding type	10526. TC
10527. CRC, bit	10528. 16
10529. Max number of bits/TTI after channel coding	10530. 2124
10531. Uplink: Max number of bits/radio frame before rate matching	10532. 531
10533. RM attribute	10534. 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

10535. TFCS size	10536. 12
10537. TFCS	10538. (64 kbps Conversational RAB, 16 kbps I/B RAB, DCCH)= 10539. (TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF1, TF0, TF1), (TF1, TF1, TF1), (TF1, TF2, TF1)

6.10.2.4.1.51b.1.2 Physical channel parameters

1	10541. Min spreading factor	10542. 16
	10543. Max number of DPDCH data bits/radio frame	10544. 2400
	10545. Puncturing Limit	10546. 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 DL:3.4 kbps 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

10547. TFCS size	10548. 20
10549. TFCS	10550. (Conv. 64 kbps RAB, I/B 128 kbps RAB, DCCH)=
	10551. (TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF0, TF3, TF0), (TF0, TF4, TF0),
	10552. (TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF1, TF3, TF0), (TF1, TF4, TF0),
	10553. (TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF0, TF3, TF1), (TF0, TF4, TF1),
	10554. (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

105		10556. DTX position	Flexible
		10557. Spreading factor	8
		10559. Number of TFCI bits/slot	8
		10560. Number of TPC bits/slot	8

		10561. Number of Pilot bits/slot	16
	1	10563. Number of data bits/slot	608
		10564. 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

10565. TFCS size	10566. 20
10567. TFCS	10568. (Conv. 64 kbps RAB, I/B 128kbps RAB, DCCH)= 10569. (TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF0, TF3, TF0), (TF0, TF4, TF0), 10570. (TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF1, TF3, TF0), (TF1, TF4, TF0), 10571. (TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF0, TF3, TF1), (TF0, TF4, TF1), 10572. (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

105	10574. Min spreading factor	4

10575. Max number of DPDCH data bits/radio frame	9600	
10576. 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 Void

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

10	10579. RAB/Signalling RB	**RAB**	**RAB**
10			
10	10581. Logical channel type	DTCH	DTCH
	10582. RLC mode	AM	AM
	10583. Payload sizes, bit	320	320
	10584. Max data rate, bps	8000	8000
	10585. AMD PDU header, bit	16	16
10	10587. MAC header, bit	4	4
	10588. MAC multiplexing	2 logical channel multiplexing	
10	10590. TrCH type	DCH	
	10591. TB sizes, bit	340	

1		10593. TF0, bits	`0x340`
		10594. TF1, bits	`1x340`
	10595. TTI, ms		`40`
	10596. Coding type		`TC`
	10597. CRC, bit		`16`
10	10599. Max number of bits/TTI after channel coding		`1080`
	10600. Uplink: Max number of bits/radio frame before rate matching		`270`
	10601. RM attribute		`135-175`

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.56.1.1.3 TFCS

10602. TFCS size	10603. 4
10604. TFCS	10605. (8 kbps RAB + 8 kbps RAB, DCCH)= 10606. (TF0,TF0), (TF1,TF0), (TF0,TF1), (TF1,TF1)

6.10.2.4.1.56.1.2 Physical channel parameters

	10	10608. Min spreading factor	`64`
		10609. Max number of DPDCH data bits/radio frame	`600`
		10610. 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

10	10613. RAB/Signalling RB	**RAB**	**RAB**
10			
10	10615. Logical channel type	DTCH	DTCH
	10616. RLC mode	AM	AM
	10617. Payload sizes, bit	320	320
	10618. Max data rate, bps	8000	8000
	10619. AMD PDU header, bit	16	16
10	10621. MAC header, bit	4	4
	10622. MAC multiplexing	2 logical channel multiplexing	
10	10624. TrCH type	DCH	
	10625. TB sizes, bit	340	
10	1	10628. TF0, bits	0x340	
		10629. TF1, bits	1x340	
	10630. TTI, ms	40	
	10631. Coding type	TC	
	10632. CRC, bit	16	
	10633. Max number of bits/TTI after channel coding	1080	
	10634. 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

10635. TFCS size	10636. 4
10637. TFCS	10638. (8 kbps RAB + 8 kbps RAB, DCCH)= 10639. (TF0,TF0), (TF1,TF0), (TF0,TF1), (TF1,TF1)

6.10.2.4.1.56.2.2   Physical channel parameters

10		10642. DTX position	Flexible
		10643. Spreading factor	128
10		10645. Number of TFCI bits/slot	2
		10646. Number of TPC bits/slot	2
		10647. Number of Pilot bits/slot	4
		10649. Number of data bits/slot	32
		10650. Number of data bits/frame	480

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

6.10.2.4.1.57.1 Uplink

6.10.2.4.1.57.1.1 Transport channel parameters

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

10	10653. RAB/Signalling RB	`RAB`	`RAB`
10			
10	10655. Logical channel type	`DTCH`	`DTCH`
	10656. RLC mode	`AM`	`AM`
	10657. Payload sizes, bit	`320`	`320`
	10658. Max data rate, bps	`64000`	`64000`
	10659. AMD PDU header, bit	`16`	`16`
10	10661. MAC header, bit	`4`	`4`
	10662. MAC multiplexing	`2 logical channel multiplexing`	
10	10664. TrCH type	`DCH`	
	10665. TB sizes, bit	`340`	
	10667. TF0, bits	`0x340`	
	10668. TF1, bits	`1x340`	
	10670. TF2, bits	`2x340`	
	10672. TF3, bits	`3x340`	
	10674. TF4, bits	`4x340`	
	10675. TTI, ms	`20`	
	10676. Coding type	`TC`	
	10677. CRC, bit	`16`	
10	10679. Max number of bits/TTI after channel coding	`4284`	
	10680. Uplink: Max number of bits/radio frame before rate matching	`2142`	

10681. 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

10682. TFCS size	10683. 10
10684. TFCS	10685. (64 kbps RAB + 64 kbps RAB, DCCH)= 10686. (TF0,TF0), (TF1,TF0), (TF2,TF0), (TF3,TF0), (TF4,TF0), 10687. (TF0,TF1), (TF1,TF1), (TF2,TF1), (TF3,TF1), (TF4,TF1)

6.10.2.4.1.57.1.2   Physical channel parameters

10		
	10689. Min spreading factor	`16`
	10690. Max number of DPDCH data bits/radio frame	`2400`
	10691. 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

10			
	10694. RAB/Signalling RB	**RAB**	**RAB**
10			

10	10696. Logical channel type	DTCH	DTCH
	10697. RLC mode	AM	AM
	10698. Payload sizes, bit	320	320
	10699. Max data rate, bps	64000	64000
	10700. AMD PDU header, bit	16	16
10	10702. MAC header, bit	4	4
	10703. MAC multiplexing	2 logical channel multiplexing	
10	10705. TrCH type	DCH	
	10706. TB sizes, bit	340	
10	1	10709. 0x340	0x340
		10710. 1x340	1x340
	1	10712. 2x340	2x340
	1	10714. 3x340	3x340
	1	10716. 4x340	4x340
	10717. TTI, ms	20	
	10718. Coding type	TC	
	10719. CRC, bit	16	
	10720. Max number of bits/TTI after channel coding	4284	
	10721. 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

10722. TFCS size	10723. 10	
10724. TFCS	10725. (64 kbps RAB + 64 kbps RAB, DCCH)=	
	10726. (TF0,TF0), (TF1,TF0), (TF2,TF0), (TF3,TF0), (TF4,TF0),	
	10727. (TF0,TF1), (TF1,TF1), (TF2,TF1), (TF3,TF1), (TF4,TF1)	

6.10.2.4.1.57.2.2 Physical channel parameters

10		10730. DTX position	Flexible
		10731. Spreading factor	32
10		10733. Number of TFCI bits/slot	8
		10734. Number of TPC bits/slot	4
		10735. Number of Pilot bits/slot	8
		10737. Number of data bits/slot	140
		10738. 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

10		10741. RAB/Signalling RB	**RAB**
10			
10		10743. Logical channel type	DTCH
		10744. RLC mode	AM
		10745. Payload sizes, bit	320
		10746. Max data rate, bps	16000
		10747. AMD PDU header, bit	16

10	10749. MAC header, bit	0
	10750. MAC multiplexing	N/A
10	10752. TrCH type	DCH
	10753. TB sizes, bit	336
	10755. TF0, bits	0x336
	10756. TF1, bits	1x336
	10757. TTI, ms	20
	10758. Coding type	TC
	10759. CRC, bit	16
	10760. Max number of bits/TTI after channel coding	1068
	10761. Uplink: Max number of bits/radio frame before rate matching	534
	10762. 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.1.1.2.

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.58.1.1.4   TFCS

10763. TFCS size	10764. 8
10765. TFCS	10766. (16 kbps RAB, 8 kbps RAB, DCCH)= 10767. (TF0,TF0,TF0), (TF1,TF0,TF0), (TF0,TF1,TF0), (TF1,TF1,TF0), 10768. (TF0,TF0,TF1), (TF1,TF0,TF1), (TF0,TF1,TF1), (TF1,TF1,TF1)

6.10.2.4.1.58.1.2   Physical channel parameters

10	10770. Min spreading factor	32
	10771. Max number of DPDCH data bits/radio frame	1200

	10772. 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

10	10775. RAB/Signalling RB	**RAB**
10		
10	10777. Logical channel type	DTCH
	10778. RLC mode	AM
	10779. Payload sizes, bit	640
	10780. Max data rate, bps	64000
	10781. AM PDU header, bit	16
10	10783. MAC header, bit	0
	10784. MAC multiplexing	N/A
10	10786. TrCH type	DCH
	10787. TB sizes, bit	656
	10789. TF0, bits	0x656
	10790. TF1, bits	1x656
	10791. TF2, bits	2x656
	10792. TF3, bits	4x656
	10793. TTI, ms	40
	10794. Coding type	TC
	10795. CRC, bit	16
	10796. Max number of bits/TTI after channel coding	8076

	10797. RM attribute	`125-165`

6.10.2.4.1.58.2.1.2   Transport channel parameters for Interactive or background / DL:8 kbps / PS RAB

See clause 6.10.2.4.1.38b.2.1.2.

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.58.2.1.4   TFCS

10798. TFCS size	10799. 16
10800. TFCS	10801. (64 kbps RAB, 8 kbps RAB, DCCH)= 10802. (TF0,TF0,TF0), (TF1,TF0,TF0), (TF2,TF0,TF0), (TF3,TF0,TF0), 10803. (TF0,TF1,TF0), (TF1,TF1,TF0), (TF2,TF1,TF0), (TF3,TF1,TF0), 10804. (TF0,TF0,TF1), (TF1,TF0,TF1), (TF2,TF0,TF1), (TF3,TF0,TF1), 10805. (TF0,TF1,TF1), (TF1,TF1,TF1), (TF2,TF1,TF1), (TF3,TF1,TF1)

6.10.2.4.1.58.2.2   Physical channel parameters

10		10808. DTX position	`Flexible`
		10809. Spreading factor	`32`
10		10811. Number of TFCI bits/slot	`8`
		10812. Number of TPC bits/slot	`4`
		10813. Number of Pilot bits/slot	`8`
		10815. Number of data bits/slot	`140`
		10816. Number of data bits/frame	`2100`

6.10.2.4.1.59   Reserved for future use

6.10.2.4.1.60   Reserved for future use

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

6.10.2.4.1.61.1   Uplink

6.10.2.4.1.61.1.1   Transport channel parameters

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

108	10818.	RAB/Signalling RB	**RAB**
108	10820.	Logical channel type	DTCH
	10821.	RLC mode	UM
	10822.	Payload sizes, bit	320
	10823.	Max data rate, bps	8000
	10824.	UMD PDU header, bit	8
108	10826.	MAC header, bit	0
	10827.	MAC multiplexing	N/A
108	10829.	TrCH type	DCH
	10830.	TB sizes, bit	328 (alt 0, 328) (note)
	10832.	TF0, bits	0x328 (alt 1x0) (note)
	10833.	TF1, bits	1x328
	10834.	TTI, ms	40
	10835.	Coding type	TC
	10836.	CRC, bit	16
	10837.	Max number of bits/TTI after channel coding	1044
	10838.	Uplink: Max number of bits/radio frame before rate matching	261

10839. RM attribute	135-175

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

See section 6.10.2.4.1.38b.1.1.2

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

See section 6.10.2.4.1.2.1.1.1

6.10.2.4.1.61.1.1.4   TFCS

10840. FCS size	10841. 8

NOTE: In case of using this alternative, CRC parity bits are to be attached any time since number of TrBlks are 1 even if there is no data on the RAB (see clause 4.2.1.1 in TS 25.212).

10842. FCS	10843. (8 kbps Conversational RAB, 8 kbps I/B RAB, DCCH)= 10844. (TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF0, TF1), (TF0, TF1, TF1), 10845. (TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF0, TF1), (TF1, TF1, TF1)

6.10.2.4.1.61.1.2   Physical channel parameters

1	10847. Min spreading factor	32
	10848. Max number of DPDCH data bits/radio frame	1200
	10849. Puncturing Limit	1.0

6.10.2.4.1.61.2   Downlink

6.10.2.4.1.61.2.1   Transport channel parameters

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

10	10852.	RAB/Signalling RB		RAB
10				
10	10854.	Logical channel type		DTCH
	10855.	RLC mode		UM
	10856.	Payload sizes, bit		320
	10857.	Max data rate, bps		8000
	10858.	AMD PDU header, bit		8
10	10860.	MAC header, bit		0
	10861.	MAC multiplexing		N/A
10	10863.	TrCH type		DCH
	10864.	TB sizes, bit		328 (alt 0, 328) (note)
			10866. TF0, bits	0x328 (alt 1x0) (note)
			10867. TF1, bits	1x328
	10868.	TTI, ms		40
	10869.	Coding type		TC
	10870.	CRC, bit		16
	10871.	Max number of bits/TTI after channel coding		1044
	10872.	RM attribute		135-175

NOTE: In case of using this alternative, CRC parity bits are to be attached any time since number of TrBlks are 1 even if there is no data on the RAB (see clause 4.2.1.1 in TS 25.212).

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

See section 6.10.2.4.1.38b.2.1.2.

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

See section 6.10.2.4.1.2.2.1.1

6.10.2.4.1.61.2.1.4   TFCS

10873. FCS size	10874. 8
10875. FCS	10876. (8 kbps Conversational RAB, 8 kbps I/B RAB, DCCH)= 10877. (TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF0, TF1), (TF0, TF1, TF1), 10878. (TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF0, TF1), (TF1, TF1, TF1)

6.10.2.4.1.61.2.2   Physical channel parameters

1		10880. DTX position	Flexible
		10881. Spreading factor	64
		10883. Number of TFCI bits/slot	8
		10884. Number of TPC bits/slot	4
		10885. Number of Pilot bits/slot	8
		10887. Number of data bits/slot	60
		10888. Number of data bits/frame	900

6.10.2.4.2   Combinations on PDSCH and DPCH

6.10.2.4.2.1   Void

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 6.10.2.4.1.26.1.

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

108		1089. RAB/Signalling RB	RAB
108			
108		1089 3. Logical channel type	DTCH
		1089 4. RLC mode	AM
		1089 5. Payload sizes, bit	320
		1089 6. Max data rate, bps	384000
		1089 7. AMD PDU header, bit	16
108		1089 9. MAC header, bit	18
		10900. MAC multiplexing	Logical channel multiplexing on a frame by frame basis
109		10902. TrCH type	DSCH
		10903. TB sizes, bit	354
	10	10905. TF0, bits	0x354
		10906. TF1, bits	1x354
		10907. TF2, bits	2x354
		10908. TF3, bits	4 x354
		10909. TF4, bits	8 x354
		10910. TF5, bits	12 x354
		10911. TF6, bits	N/A (alt. 16x354)
		10912. TF7, bits	N/A (alt. 20x354)
		10913. TF8, bits	N/A (alt. 24x354)
		10914. TTI, ms	10(alt. 20)
		10915. Coding type	TC
		10916. CRC, bit	16
		10917. Max number of bits/TTI after channel coding	13332(alt. 26664)

		10918. RM attribute	`110-150`

6.10.2.4.2.2.2.1.2 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

	10	10921. 6 (alt.9)	
		10923. 384 kbps RAB = TF0, TF1, TF2, TF3, TF4, TF5 10924. (alt. TF0, TF1, TF2, TF3, TF4, TF5, TF6, TF7, TF8)	
	10	10927. 2	
		10929. SRBs for DCCH = TF0, TF1	

6.10.2.4.2.2.2.2   Physical channel parameters

	10	10931. RAB or SRB, TrCh	**Interactive or background / 384 kbps / PS RAB, DSCH**		
		10932. DTX position	N/A (SingleTrCH)		
		10933. Minimum spreading factor	8		
	10	10935. RAB or SRB, TrCh	**3.4 kbps SRB for DCCH, DCH**		
		10936. DTX position	N/A (SingleTrCH)		
		10937. Spreading factor	256		
		10	10939. Number of TFCI bits/slot	2	
			10940. Number of TPC bits/slot	2	
			10941. Number of Pilot bits/slot	4	
		10	10943. Number of data bits/slot	12	
			10944. 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 6.10.2.4.1.26.1.

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

109		10947. RAB/Signalling RB	RAB
109			
109		10949. Logical channel type	DTCH
		10950. RLC mode	AM
		10951. Payload sizes, bit	640
		10952. Max data rate, bps	2048000
		10953. AMD PDU header, bit	16
109		10955. MAC header, bit	18
		10956. MAC multiplexing	Logical channel multiplexing on a frame by frame basis
109		10958. TrCH type	DSCH
		10959. TB sizes, bit	674
	10	10961. TF0, bits	0x674
		10962. TF1, bits	1x674
		10963. TF2, bits	2x674
		10964. TF3, bits	4 x674
		10965. TF4, bits	8 x674
		10966. TF5, bits	12x674
		10967. TF6, bits	16x674
		10968. TF7, bits	20x674
		10969. TF8, bits	24x674
		10970. TF9, bits	28x674
		10971. TF10, bits	32x674
		10972. TF11, bits	N/A (alt. 36x674)
		10973. TF12, bits	N/A (alt. 40x674)

109	10947. RAB/Signalling RB	RAB
109		

		10974. TF13, bits	N/A (alt. 44x674)
		10975. TF14, bits	N/A (alt. 48x674)
		10976. TF15, bits	N/A (alt. 52x674)
		10977. TF16, bits	N/A (alt. 56x674)
		10978. TF17, bits	N/A (alt. 60x674)
		10979. TF18, bits	N/A (alt. 64x674)
	10980. TTI, ms		10(alt. 20)
	10981. Coding type		TC
	10982. CRC, bit		16
	10983. Max number of bits/TTI after channel coding		66300 (alt. 132588)
	10984. 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

10	10987. 11 (alt.19)	
	10989. 2048 kbps RAB =	
	10990. TF0, TF1, TF2, TF3, TF4, TF5, TF6, TF7, TF8, TF9, TF10	
	10991. (alt. TF0, TF1, TF2, TF3, TF4, TF5, TF6, TF7, TF8, TF9, TF10, TF11, TF12, TF13, TF14, TF15, TF16, TF17, TF18)	

10			10994. 2	
			10996. SRBs for DCCH = TF0, TF1	

6.10.2.4.2.3.2.2 Physical channel parameters

10			10998. RAB or SRB, TrCh	**Interactive or background / 2048 kbps / PS RAB, DSCH**
			10999. DTX position	N/A (SingleTrCH)
			11000. Minimum spreading factor	4
11			11002. RAB or SRB, TrCh	3.4 kbps SRB for DCCH, DCH
			11003. DTX position	N/A (SingleTrCH)
			11004. Spreading factor	256
	11		11006. Number of TFCI bits/slot	2
			11007. Number of TPC bits/slot	2

			11008. Number of Pilot bits/slot	4
		11	11010. Number of data bits/slot	12
			11011. Number of data bits/frame	180

6.10.2.4.2.4   Void

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

11		11014. 6 (alt.9)
		11016. 384 kbps RAB = TF0, TF1, TF2, TF3, TF4, TF5 11017. (alt. TF0, TF1, TF2, TF3, TF4, TF5, TF6, TF7, TF8)
11		11020. 6
		11022. (RAB subflow#1, RAB subflow#2, RAB subflow#3, DCCH) = 11023. (TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0), (TF2, TF1, TF1, TF0), 11024. (TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF1)

6.10.2.4.2.5.2.2   Physical channel parameters

110	11026. RAB or SRB, TrCh	`Interactive or background / 384 kbps / PS RAB, DSCH`
	11027. DTX position	`N/A (SingleTrCH)`

		11028. Minimum spreading factor	8
	110	11032. RAB or SRB, TrCh	Conversational / speech / 12.2 kbps / CS RAB, DCH **+ 3.4 kbps SRBs for DCCH. DCH**
		11033. DTX position	Fixed
	110	11034. Spreading factor	128
		11036. Number of TFCI bits/slot	2
		11037. Number of TPC bits/slot	2
	110	11038. Number of Pilot bits/slot	4
		11040. Number of data bits/slot	32
		11041. 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

11		11044. 11 (alt.19)
		11046. 2048 kbps RAB =TF0, TF1, TF2, TF3, TF4, TF5, TF6, TF7, TF8, TF9, TF10 11047. (alt. TF0, TF1, TF2, TF3, TF4, TF5, TF6, TF7, TF8, TF9, TF10, TF11, TF12, TF13, TF14, TF15, TF16, TF17, TF18)
11		11050. 6
		11052. (RAB subflow#1, RAB subflow#2, RAB subflow#3, DCCH) = 11053. (TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0), (TF2, TF1, TF1, TF0), 11054. (TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF1)

6.10.2.4.2.6.2.2 Physical channel parameters

110	11056. RAB or SRB, TrCh	**Interactive or background / 2048 kbps / PS RAB, DSCH**	
	11057. DTX position	N/A (SingleTrCH)	
	11058. Minimum spreading factor	4	
110	11061. RAB or SRB, TrCh	Conversational / speech / 12.2 kbps / CS RAB, DCH + 3.4 kbps SRBs for DCCH. DCH	
	11062. DTX position	Fixed	
110	11063. Spreading factor	128	
	11065. Number of TFCI bits/slot	2	
	11066. Number of TPC bits/slot	2	
	11067. Number of Pilot bits/slot	4	
	11069. Number of data bits/slot	32	
	11070. 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

11071. Higher layer	11072. RAB/signalling RB	SRB
	11073. User of Radio Bearer	RRC

11074. RLC	11075. Logical channel type	PCCH
	11076. RLC mode	TM
	11077. Payload sizes, bit	240 (alt. 80)
	11078. Max data rate, bps	24000 (alt. 8000)
	11079. TrD PDU header, bit	0
11080. MAC	11081. MAC header, bit	0
	11082. MAC multiplexing	N/A
11083. Layer 1	11084. TrCH type		PCH
	11085. TB sizes, bit		240 (alt. 80)
	11086. TFS	11087. TF0, bts	0x240 (alt. 0x80)
		11088. TF1, bits	1x240 (alt. 1x80)
	11089. TTI, ms		10
	11090. Coding type		CC 1/2
	11091. CRC, bit		16
	11092. Max number of bits/TTI before rate matching		528 (alt. 208)
	11093. RM attribute		210-250

6.10.2.4.3.1.1.2 TFCS

| 11094. TFCS size | 11095. 2 |
| 11096. TFCS | 11097. SRBs for PCCH = TF0, TF1 |

6.10.2.4.3.1.2 Physical channel parameters

| 11098. S | 11099. TFCS size | 2 |

CC PC H	11100. DTX position	N/A (SingleTrCH)
	11101. Spreading factor	128(alt. 256)
	11102. Number of TFCI bits/slot	0
	11103. Number of Pilot bits/slot	0
	11104. Number of data bits/slot	40(alt. 20)
	11105. 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

	1	11107. RAB/signalling RB		RAB
		11108. User of Radio Bearer		Interactive/ Background RAB
	1	11110. Logical channel type		DTCH
		11111. RLC mode		AM
		11112. Payload sizes, bit		320
		11113. Max data rate, bps		32000
		11114. AMD PDU header, bit		16
	1	11116. MAC header, bit		24
		11117. MAC multiplexing		N/A
	1	11119. TrCH type		FACH
		11120. TB sizes, bit		360
		11121. TFS	11122. TF0, bits	0x360
			11123. TF1, bits	1x360
		11124. TTI, ms		10
		11125. Coding type		TC
		11126. CRC, bit		16

	11127. Max number of bits/TTI before rate matching	1140
	11128. 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

			SRB#0	SRB#1	SRB#2	SRB#3	SRB#4	SRB#5
1		11130. RAB/signalling RB	SRB#0	SRB#1	SRB#2	SRB#3	SRB#4	SRB#5
		11131. User of Radio Bearer	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio	RRC
1		11133. Logical channel type	CCCH	DCCH	DCCH	DCCH	DCCH	BCCH
		11134. RLC mode	UM	UM	AM	AM	AM	TM
		11135. Payload sizes, bit	152	136 or 120 (note)	128	128	128	166
		11136. Max data rate, bps	30400 (alt. 45600)	27200 or 2400 (alt. 40800 or 36000)	25600 (alt. 38400)	25600 (alt. 38400)	25600 (alt. 38400)	33200 (alt. 49800)
		11137. AMD/UMD /TrD PDU header, bit	8	8	16	16	16	0
1		11139. MAC header, bit	8	24 or 40	24	24	24	2
		11140. MAC multiplexing	6 logical channel multiplexing					
1		11142. TrCH type	FACH					
		11143. TB sizes, bit	168					
	11	11145. F0, bits	0x168					

1		11130. RAB/signal ling RB	SRB#0	SRB#1	SRB#2	SRB#3	SRB#4	SRB#5
		11131. User of Radio Bearer	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio	RRC
		11146 F1, bits	1x168					

NOTE: MAC header size and PLC payload size depend on use of U-RNTI or C-RNTI.

		11147 F2, bits	2x168
		11148 F3, bits	N/A (alt. 3x168)
		11149. TTI, ms	10
		11150. Coding type	CC 1/2
		11151. CRC, bit	16
		11152. Max number of bits/TTI before rate matching	752 (alt. 1136)
1		11154. RM attribute	200-240

6.10.2.4.3.2.1.3 TFCS

11155. TFCS size	11156. 4 or 5, (alt. 4, 5 or 6)
11157. TFCS	11158. (SRBs for CCCH/DCCH/BCCH, 32kbps RAB) = 11159. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), [TF1, TF1] (note) 11160. (alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), [TF3, TF0] (note), (TF0, TF1), [TF1, TF1] (note))

6.10.2.4.3.2.2 Physical channel parameters

	11162. DTX position	Flexible
	11163. Spreading factor	64

NOTE: These TFCs are available only if SCCPCH can be allocated bigger Tx power than required Tx power for TFC of (TF2, TF0).

	11164. Number of TFCI bits/slot	8
	11165. Number of Pilot bits/slot	0
	11166. Number of data bits/slot	72
	11167. 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

11	11170. RAB/Signalling RB	**RAB**	**RAB**
11			
11	11172. Logical channel type	DTCH	DTCH
	11173. RLC mode	AM	AM

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	11174. Payload sizes, bit	`320`	`320`
	11175. Max data rate, bps	`32000`	`32000`
	11176. AMD PDU header, bit	`16`	`16`
11	11178. MAC header, bit	`24`	`24`
	11179. MAC multiplexing	`2 logical channel multiplexing`	
11	11181. TrCH type	`FACH`	
	11182. TB sizes, bit	`360`	
	11184. TF0, bits	`0x360`	
	11185. TF1, bits	`1x360`	
	11186. TTI, ms	`10`	
	11187. Coding type	`TC`	
	11188. CRC, bit	`16`	

NOTE: These TFCs are available only if SCCPCH can be allocated bigger Tx power than required Tx power for TFC of (TF2, TF0).

11	11190. Max number of bits/TTI after channel coding	`1140`
	11191. 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

11192. TFCS size	11193. 4 or 5 (alt. 4, 5 or 6)
11194. TFCS	11195. (SRBs for CCCH/DCCH/BCCH, 32kbps RAB + 32kbps RAB) = 11196. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), [TF1, TF1] (note) 11197. (alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), [TF3, TF0] (note), (TF0, TF1), [TF1, TF1] (note))

6.10.2.4.3.2a.2   Physical channel parameters

11198. SCCPC	11199. DTX position	`Flexible`
	11200. Spreading factor	`64`

H	11201. Number of TFCI bits/slot	8
	11202. Number of Pilot bits/slot	0
	11203. Number of data bits/slot	72
	11204. 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

NOTE: These TFCs are available only if SCCPCH can be allocated bigger Tx power than required Tx power for TFC of (TF0, TF2, TF0).

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

11205. TFCS size	11206. 6, 7 or 8 for 240 bits PCH TrBlk size and TF3 not used
	11207. (alt 6, 7, 8 or 9 for 80 bits PCH TrBlk size and TF3 not used)
	11208. (alt 6, 7, 8 or 9 for 240 bits PCH TrBlk size and TF3 used)
	11209. (alt. 6, 7, 8, 9, 10, or 11 for 80 bits PCH TrBlk size and TF3 used)
11210. TFCS	11211. (SRB for PCCH, SRBs for CCCH/ DCCH/ BCCH, 32 kbps RAB) =
	11212. (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
	11213. (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)
	11214. (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)
	11215. (alt. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF0, TF1, TF0), (TF1, TF1, TF0), (TF0, TF2, TF0), [TF1, TF2, TF0] (see note), [TF0, TF3, TF0] (see note), [TF1, TF3, TF0] (see note), (TF0, TF0, TF1), [TF1, TF0, TF1] (see note), [TF0, TF1, TF1] (see note) for 80 bits PCH TrBlk size and TF3 used)

6.10.2.4.3.3.2 Physical channel parameters

11	11217. DTX position	Flexible
	11218. Spreading factor	64
	11219. Number of TFCI bits/slot	8
	11220. Number of Pilot bits/slot	0
	11221. Number of data bits/slot	72
	11222. 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

11223. Higher layer	11224. RAB/signalling RB	**N/A**
	11225. User of Radio Bearer	BMC
11226. RLC	11227. Logical channel type	CTCH
	11228. RLC mode	UM
	11229. Payload sizes, bit	152
	11230. Max data rate, bps	15200
	11231. UMD PDU header, bit	8
11232. MAC	11233. MAC header, bit	8
	11234. MAC multiplexing	N/A
11235. Lay	11236. TrCH type	FACH

	11237. TB sizes, bit		168
	11238. TFS	11239. TF 0, bts	0x168
		11240. TF 1, bits	1x168
	11241. TTI, ms		10
	11242. Coding type		CC 1/3
	11243. CRC, bit		16
	11244. Max number of bits/TTI before rate matching		576
	11245. RM attribute		200-240

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

		11247. RAB/signalling RB	SRB#0	SRB#5
		11248. User of Radio Bearer	RRC	RRC
		11250. Logical channel type	CCCH	BCCH
		11251. RLC mode	UM	TM
		11252. Payload sizes, bit	152	166
		11253. Max data rate, bps	15200	16600
		11254. AMD/UMD/TrD PDU header, bit	8	0
		11256. MAC header, bit	8	2
		11257. MAC multiplexing	2 logical channel multiplexing	

		11247. RAB/signalling RB	SRB#0		SRB#5	
		11248. User of Radio Bearer	RRC		RRC	
		11259. TrCH type	FACH			
		11260. TB sizes, bit	168			
	11	11262 F 0 , b i t s	0x168			
		11263 F 1 , b i t s	1x168			
		11264. TTI, ms	10			
		11265. Coding type	CC 1/3			
		11266. CRC, bit	16			
		11267. Max number of bits/TTI before rate matching	576			
		11269. RM attribute	200-240			

6.10.2.4.3.4.1.3   TFCS

	11270. T F C S	11271.3	

siz e			
11272. T F C S	11273. (SRBs for CCCH/ BCCH, RB for CTCH) = 11274. (TF0, TF0), (TF1, TF0), (TF0, TF1)		

6.10.2.4.3.4.2 Physical channel parameters

	1	11276. DTX position	Flexible
		11277. Spreading factor	128
		11278. Number of TFCI bits/slot	2
		11279. Number of Pilot bits/slot	0
		11280. Number of data bits/slot	38
		11281. 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

			RAB	**SRB#0**	**SRB#1**	**SRB#2**	**SRB#3**	**SRB#4**
		11283. RAB/sig nallin g RB						
		11284. Us er of Radio Beare r	Interactive/ Background RAB	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio
		11286. Lo gical chann el type	DTCH	CCCH	DCCH	DCCH	DCCH	DCCH
		11287. RL C mode	AM	TM	UM	AM	AM	AM

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		RAB	SRB#0	SRB#1	SRB#2	SRB#3	SRB#4
	11283. RAB/signalling RB						
	11284. User of Radio Bearer	Interactive/ Background RAB	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio
	11288. Payload sizes, bit	320	166	136	128	128	128
	11289. Max data rate, bps	32000	16600	13600	12800	12800	12800
	11290. AMD/UMD/TrD PDU header, bit	16	0	8	16	16	16
MAC	11291. MAC header, bit	24	2	24	24	24	24
	11292. MAC multiplexing	6 logical channel multiplexing					
	11294. TrCH type	RACH					
	11295. TB sizes, bit	360	168	168	168	168	168

		11283.RAB/signalling RB	**RAB**	**SRB#0**	**SRB#1**	**SRB#2**	**SRB#3**	**SRB#4**
		11284.User of Radio Bearer	Interactive/ Background RAB	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio
		1	1x168					
		1	1x360					
		11299.TTI, ms	20 (alt. 10)					
		11300.Coding type	CC 1/2					
		11301.CRC, bit	16					
		11302.Max number of bits/TTI after channel coding	768	384	384	384	384	384

11283. RAB/signalling RB	**RAB**	**SRB#0**	**SRB#1**	**SRB#2**	**SRB#3**	**SRB#4**
11284. User of Radio Bearer	Interactive/ Background RAB	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio
11303. 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

11304. TFCS size	11305. 2
11306. TFCS	11307. 32 kbps + SRBs for CCCH/ DCCH = TF0, TF1

6.10.2.4.4.1.2 Physical channel parameters

11308. PRACH	11309. Minimum Spreading factor	64 (alt. 32)
	11310. Max number of data bits/radio frame	600 (alt. 1200)
	11311. 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

			RAB	**RAB**	**SRB#0**	**SRB#1**	**SRB#2**	**SRB#3**	**SRB#4**
		11313.RAB/signalling RB							
		11314.User of Radio Bearer	Interactive/ Background RAB	Interactive/ Background RAB	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio
		11316.Logical channel type	DTCH	DTCH	CCCH	DCCH	DCCH	DCCH	DCCH
		11317.RLC mode	AM	AM	TM	UM	AM	AM	AM
		11318.Payload sizes, bit	320	320	166	136	128	128	128
		11319.Max data rate, bps	32000	32000	16600	13600	12800	12800	12800

	11313.RAB /signalling RB	**RAB**	**RAB**	**SRB#0**	**SRB#1**	**SRB#2**	**SRB#3**	**SRB#4**
	11314.User of Radio Bearer	Interactive/ Background RAB	Interactive/ Background RAB	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio
	11320.AMD/ UMD/ TrD PDU header, bit	16	16	0	8	16	16	16
MAC	11321.MAC header, bit	24	24	2	24	24	24	24
	11322.MAC multiplexing	7 logical channel multiplexing						
	11324.TrCH type	RACH						
	11325.TB sizes, bit	360	360	168	168	168	168	168

	11313.RAB /signalling RB	**RAB**	**RAB**	**SRB#0**	**SRB#1**	**SRB#2**	**SRB#3**	**SRB#4**
	11314.User of Radio Bearer	Interactive/ Background RAB	Interactive/ Background RAB	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio
		1x168						
		1x360						
	11329.TTI, ms	20 (alt. 10)						
	11330.Coding type	CC ½						
	11331.CRC, bit	16						

11313.RAB /signalling RB	**RAB**	**RAB**	**SRB#0**	**SRB#1**	**SRB#2**	**SRB#3**	**SRB#4**
11314.User of Radio Bearer	Interactive/ Background RAB	Interactive/ Background RAB	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio
11332.Max number of bits /TTI after channel coding	768	768	384	384	384	384	384
11333.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

11334.TFCS size	11335.2

11336. T FC S	11337. 32 kbps RAB+ 32 kbps RAB + SRBs for CCCH/ DCCH = TF0, TF1

6.10.2.4.4.2.2 Physical channel parameters

11338. P RA CH	11339. Minimum Spreading factor	64 (alt. 32)
	11340. Max number of data bits/radio frame	600 (alt. 1200)
	11341. 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 BER[3]	Services
Traffic class[3]	SSD[3]	Max. rate, kbps	CS/PS		
Conversational	Speech	UL:4.75-12.2 DL:4.75-12.2	CS	5×10^{-4}, 1×10^{-3}, 5×10^{-3}	AMR speech
Conversational	Unknown	UL:64 DL:64	CS	1×10^{-4} or 1×10^{-6}	UDI 1B, 64k 3G-324M[4]
Conversational	Unknown	UL:32 DL:32	CS	1×10^{-4} or 1×10^{-6}	32k 3G-324M[4]
Conversational	Unknown	UL:28.8 DL:28.8	CS	1×10^{-3}	Transparent modem
Streaming	Unknown	UL:14.4 DL:14.4	CS	1×10^{-3}	FAX[6]
Streaming	Unknown	UL:28.8 DL:28.8	CS	1×10^{-3}	FAX[6] PIAFS 32 kbps
Streaming	Unknown	UL:57.6 DL:57.6	CS	1×10^{-3}	Modem[6], FTM[5], PIAFS 64 kbps
Streaming	Unknown	UL:64-128 or DL:64-384	CS	1×10^{-3} or 1×10^{-4}	Streaming video, uni-directional
Interactive or Background	N/A	UL:32-384 DL:8-2048	PS	1×10^{-3} or 1×10^{-4}	Packet

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

6.10.3.4.1.1.1.1 Transport channel parameters

####### 6.10.3.4.1.1.1.1.1 Transport channel parameters for UL:1.7 kbps SRBs for DCCH

11342. Higher layer	11343. RAB/signalling RB	SRB#1	SRB#2	SRB#3	SRB#4
	11344. User of Radio Bearer	RRC	RRC	NAS_DT High prio	NAS_DT Low prio

11345.RLC	11346.Logical channel type	DCCH	DCCH	DCCH	DCCH
	11347.RLC mode	UM	AM	AM	AM
	11348.Payload sizes, bit	136	128	128	128
	11349.Max data rate, bps	1700	1600	1600	1600
	11350.AMD/UMD PDU header, bit	8	16	16	16
11351.MAC	11352.MAC header, bit	4	4	4	4
	11353.MAC multiplexing	4 logical channel multiplexing			
11354.Layer 1	11355.TrCH type	DCH			
	11356.TB sizes, bit	148			
	11357.TFS	11358.TF0, bits	0x148		
		11359.TF1, bits	1x148		
	11360.TTI, ms	80			
	11361.Coding type	CC 1/3			
	11362.CRC, bit	16			
	11363.Max number of bits/TTI before rate matching	516			
	11364.Max number of bits/radio frame before rate matching	65			

6.10.3.4.1.1.1.1.2   TFCS

11365.TFCS size	11366.2		
11367.TFCS	11368.SRBs for DCCH = TF0, TF1		

6.10.3.4.1.1.1.2 Physical channel parameters

11369.	I	11370.	Midamble	512 chips
		11371.	Codes and time slots	SF16 x 1 code x 1 time slot
		11372.	Max. Number of data	238
		11373.	TFCI code word	4 bit
		11374.	TPC	2 bit
		11375.	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

11376. Higher layer		11377. RAB/signalling RB		**SRB#1**	**SRB#2**	**SRB#3**	**SRB#4**
		11378. User of Radio Bearer		RRC	RRC	NAS_DT High prio	NAS_DT Low prio
11379. RLC		11380. Logical channel type		DCCH	DCCH	DCCH	DCCH
		11381. RLC mode		UM	AM	AM	AM
		11382. Payload sizes, bit		136	128	128	128
		11383. Max data rate, bps		1700	1600	1600	1600
		11384. AMD/UMD PDU header, bit		8	16	16	16
11385. MAC		11386. MAC header, bit		4	4	4	4
		11387. MAC multiplexing		4 logical channel multiplexing			
11388. Layer 1		11389. TrCH type		DCH			
		11390. TB sizes, bit		148			
		11391. TFS	11392. TF 0, bits	0 x148			
			11393. TF 1, bits	1x148			
		11394. TTI, ms		80			

	11395. Coding type	CC 1/3
	11396. CRC, bit	16
	11397. Max number of bits/TTI before rate matching	516
11398.	11399. Max number of bits/radio frame before rate matching	65

6.10.3.4.1.1.2.1.2 TFCS

11400. TFCS size	11401. 2
11402. TFCS	11403. SRBs for DCCH = TF0, TF1

6.10.3.4.1.1.2.2 Physical channel parameters

11404. PCCH Downlink	11405. Midamble	512 chips
	11406. Codes and time slots	SF16 x 1 code x 1 time slot
	11407. Max. Number of data bits/radio frame	240 bits
	11408. TFCI code word	4 bits
	11409. 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

11410. Higher layer	11411. RAB/signalling RB	**SRB#1**	**SRB#2**	**SRB#3**	**SRB#4**
	11412. User of Radio Bearer	RRC	RRC	NAS_DT High prio	NAS_DT Low prio
11413. RLC	11414. Logical channel type	DCCH	DCCH	DCCH	DCCH
	11415. RLC mode	UM	AM	AM	AM

		11416. Payload sizes, bit	`136`	`128`	`128`	`128`
		11417. Max data rate, bps	`3400`	`3200`	`3200`	`3200`
		11418. AMD/UMD PDU header, bit	`8`	`16`	`16`	`16`
	11419. MAC	11420. MAC header, bit	`4`	`4`	`4`	`4`
		11421. MAC multiplexing	`4 logical channel multiplexing`			
	11422. Layer 1	11423. TrCH type	`DCH`			
		11424. TB sizes, bit	`148`			
		11425. TFS	11426. TF0, bits	`0x148`		
			11427. TF1, bits	`1x148`		
		11428. TTI, ms	`40`			
		11429. Coding type	`CC 1/3`			
		11430. CRC, bit	`16`			
		11431. Max number of bits/TTI before rate matching	`516`			
		11432. Max number of bits/radio frame before rate matching	`129`			
		11433. RM attribute	`155-165`			

6.10.3.4.1.2.1.1.2   TFCS

11434. TFCS size	11435. 2
11436. TFCS	11437. SRBs for DCCH = TF0, TF1

6.10.3.4.1.2.1.2   Physical channel parameters

11438.	I	11439. Midamble	`512 chips`

11440.	Codes and time slots	SF16 x 1 code x 1 time slot
11441.	Max. Number of data	238 bits
11442.	TFCI code word	4 bits
11443.	TPC	2 bit
11444.	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

11445. Higher layer	11446. RAB/signalling RB		**SRB#1**	**SRB#2**	**SRB#3**	**SRB#4**
	11447. User of Radio Bearer		RRC	RRC	NAS_DT High prio	NAS_DT Low prio
11448. RLC	11449. Logical channel type		DCCH	DCCH	DCCH	DCCH
	11450. RLC mode		UM	AM	AM	AM
	11451. Payload sizes, bit		136	128	128	128
	11452. Max data rate, bps		3400	3200	3200	3200
	11453. AMD/UMD PDU header, bit		8	16	16	16
11454. MAC	11455. MAC header, bit		4	4	4	4
	11456. MAC multiplexing		4 logical channel multiplexing			
11457. Layer 1	11458. TrCH type		DCH			
	11459. TB sizes, bit		148			
	11460. TFS	11461. TF 0, bits	0x148			
		11462. TF 1, bits	1x148			
	11463. TTI, ms		40			
	11464. Coding type		CC 1/3			
	11465. CRC, bit		16			

	11466. Max number of bits/TTI before rate matching	`516`
	11467. Max number of bits/radio frame before rate matching	`129`
	11468. RM attribute	`155-165`

6.10.3.4.1.2.2.1.2   TFCS

11469. TFCS size	11470. 2
11471. TFCS	11472. SRBs for DCCH = TF0, TF1

6.10.3.4.1.2.2.2   Physical channel parameters

11473. I P C H D o w n li nk	11474. Midamble	`512 chips`
	11475. Codes and time slots	`SF16 x 1 code x 1 time slot`
	11476. Max. Number of data bits/radio frame	`240`
	11477. TFCI code word	`4 bits`
	11478. 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

		SRB#1	**SRB#2**	**SRB#3**	**SRB#4**
11479. H igh er lay er	11480. RAB/signalling RB				
	11481. User of Radio Bearer	`RRC`	`RRC`	`NAS_DT High prio`	`NAS_DT Low prio`
11482. R LC	11483. Logical channel type	`DCCH`	`DCCH`	`DCCH`	`DCCH`
	11484. RLC mode	`UM`	`AM`	`AM`	`AM`
	11485. Payload sizes, bit	`136`	`128`	`128`	`128`

		11486. Max data rate, bps	13600	12800	12800	12800
		11487. AMD/UMD PDU header, bit	8	16	16	16
11488. MAC		11489. MAC header, bit	4	4	4	4
		11490. MAC multiplexing	4 logical channel multiplexing			
11491. Layer 1		11492. TrCH type	DCH			
		11493. TB sizes, bit	148			
	11494. TFS	11495. TF0, bits	0x148			
		11496. TF1, bits	1x148			
		11497. TTI, ms	10			
		11498. Coding type	CC 1/3			
		11499. CRC, bit	16			
		11500. Max number of bits/TTI before rate matching	516			
		11501. Max number of bits/radio frame before rate matching	516			

6.10.3.4.1.3.1.1.2 TFCS

11502. TFCS size	11503. 2
11504. TFCS	11505. SRBs for DCCH = TF0, TF1

6.10.3.4.1.3.1.2 Physical channel parameters

11506.		11507. Midamble	11508. 512 cips
		11509. Codes and time slots	11510. SF8 x 1

11511.	Max. Number of data	11512.	476 bits
11513.	TFCI code word	11514.	4 bits
11515.	TPC	11516.	2 bits
11517.	Puncturing Limit	11518.	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

			SRB#1	**SRB#2**	**SRB#3**	**SRB#4**
11519.Higher layer		11520.RAB/signalling RB	RRC	RRC	NAS_DT High prio	NAS_DT Low prio
		11521.User of Radio Bearer				
11522.RLC		11523.Logical channel type	DCCH	DCCH	DCCH	DCCH
		11524.RLC mode	UM	AM	AM	AM
		11525.Payload sizes, bit	136	128	128	128
		11526.Max data rate, bps	13600	12800	12800	12800
		11527.AMD/UMD PDU header, bit	8	16	16	16
11528.MAC		11529.MAC header, bit	4	4	4	4
		11530.MAC multiplexing	4 logical channel multiplexing			
11531.Layer 1		11532.TrCH type	DCH			
		11533.TB sizes, bit	148			
	11534.TFS	11535.TF 0, bits	0x148			
		11536.TF 1, bits	1x148			
		11537.TTI, ms	10			
		11538.Coding type	CC 1/3			
		11539.CRC, bit	16			

		11540. Max number of bits/TTI before rate matching	`516`
	11541.	11542. Max number of bits/radio frame before rate matching	`516`

6.10.3.4.1.3.2.1.2 TFCS

11543. TFCS size	11544. 2
11545. TFCS	11546. SRBs for DCCH = TF0, TF1

6.10.3.4.1.3.2.2 Physical channel parameters

11547. DPCH Downlink	11548. Midamble	11549. 512 chips
	11550. Codes and time slots	11551. SF16 x 2 codes x 1 time slot
	11552. Max. Number of data bits/radio frame	11553. 484 bits
	11554. TFCI code word	11555. 4 bits
	11556. Puncturing limit	11557. 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

6.10.3.4.1.4.1 Uplink

6.10.3.4.1.4.1.1 Transport channel parameters

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

115	11560. RAB/Signalling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3
115				
115	11562. Logical channel type	DTCH		
	11563. RLC mode	TM	TM	TM
	11564. Payload sizes, bit	39, 81 (alt. 0, 39, 81)	103	60
	11565. Max data rate, bps	12200		
	11566. TrD PDU header, bit	0		
115	11568. MAC header, bit	0		
	11569. MAC multiplexing	N/A		
115	11571. TrCH type	DCH	DCH	DCH
	11572. TB sizes, bit	39, 81 (alt. 0, 39, 81)	103	60
	11	11574. TF0, bits	0x81(alt. 1x0) (note)	0x103	0x60
		11575. TF1, bits	1x39	1x103	1x60
		11576. TF2, bits	1x81	N/A	N/A
	11577. TTI, ms	20	20	20
	11578. Coding type	CC 1/3	CC 1/3	CC 1/2

11579. CRC, bit	12	N/A	N/A
11580. Max number of bits/TTI after channel coding	303	333	136
11581. Max number of bits/radio frame before rate matching	152	167	68
11582. RM attribute	180-220	170-210	215-256

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

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).	
11583. TFCS size	11584. 6
11585. TFCS	11586. (RAB subflow#1, RAB subflow#2, RAB subflow#3,DCCH)= 11587. (TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0), (TF2, TF1, TF1, TF0), 11588. (TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF1)

6.10.3.4.1.4.1.2   Physical channel parameters

11589.	I			
		11590.	Midamble	512 chips
		11591.	Codes and time slots	SF8 x 1 code x 1 time slot
		11592.	Max. Number of data	452 bits
		11593.	TFCI code word	16 bits
		11594.	TPC	2 bit
		11595.	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

			RAB subflow #1	**RAB subflow #2**	**RAB subflow #3**
115		11598. RAB/Signalling RB			
115					
115		11600. Logical channel type	DTCH		
		11601. RLC mode	TM	TM	TM
		11602. Payload sizes, bit	0, 39, 81	103	60
116		11604. Max data rate, bps	12200		
		11605. TrD PDU header, bit	0		
116		11607. MAC header, bit	0		
		11608. MAC multiplexing	N/A		
116		11610. TrCH type	DCH	DCH	DCH
		11611. TB sizes, bit	0 39 81	103	60
	11	11613. TF0, bits	1x0 (note 2)	0x103	0x60
		11614. TF1, bits	1x39	1x103	1x60
		11615. TF2, bits	1x81	N/A	N/A
		11616. TTI, ms	20	20	20
		11617. Coding type	CC 1/3	CC 1/3	CC 1/2
		11618. CRC, bit	12	N/A	N/A

11619. Max number of bits/TTI after channel coding	303	333	136
11620. Max number of bits/radio frame before rate matching	152	167	68
11621. RM attribute	180-220	170-210	215-256

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

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).	
11622. TFCS size	11623. 6
11624. TFCS	11625. (RAB subflow#1, RAB subflow#2, RAB subflow#3,DCCH)= 11626. (TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0), (TF2, TF1, TF1, TF0), 11627. (TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF1)

6.10.3.4.1.4.2.2 Physical channel parameters

11628. DPCH Downlink	11629. Midamble	512 chips
	11630. Codes and time slots	SF16 x 2 codes x 1 time slot
	11631. Max. Number of data bits/radio frame	472 bits
	11632. TFCI code word	16 bits
	11633. 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

116	116	36. RAB/Signalling RB		**RAB subflow #1**	**RAB subflow #2**	**RAB subflow #3**
116		38. Logical channel type		DTCH		
		39. RLC mode		TM	TM	TM
		40. Payload sizes, bit		39, 65 (alt. 0, 39, 65)	99	40
		41. Max data rate, bps		10200		
		42. TrD PDU header, bit		0		
116		44. MAC header, bit		0		
		45. MAC multiplexing		N/A		
116		47. TrCH type		DCH	DCH	DCH
		48. TB sizes, bit		39, 65 (alt. 0, 39, 65)	99	40
		11	50. TF0, bits	0x65 (alt. 1x0) (note)	0x99	0x40
			51. TF1, bits	1x39	1x99	1x40
			52. TF2, bits	1x65	N/A	N/A
		53. TTI, ms		20	20	20
		54. Coding type		CC 1/3	CC 1/3	CC 1/2

11655. CRC, bit	12	N/A	N/A
11656. Max number of bits/TTI after channel coding	255	321	96
11657. Max number of bits/radio frame before rate matching	128	161	48
11658. RM attribute	180-220	170-210	215-256

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

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).

11659. TFCS size	11660. 6
11661. TFCS	11662. (RAB subflow#1, RAB subflow#2, RAB subflow#3,DCCH)= 11663. (TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0), (TF2, TF1, TF1, TF0), 11664. (TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF1)

6.10.3.4.1.5.1.2   Physical channel parameters

11665	11666. Midamble	512 chips
	11667. Codes and time slots	SF16 x 1 code x 1 time slot
	11668. Max. Number of data bits/radio frame	226 bits
	11669. TFCI code word	16 bits
	11670. TPC	2 bit
	11671. 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

116	11674. RAB/Signalling RB	**RAB subflow #1**	**RAB subflow #2**	**RAB subflow #3**
116				
116	11676. Logical channel type	DTCH		
	11677. RLC mode	TM	TM	TM
	11678. Payload sizes, bit	0, 39, 65	99	40
	11679. Max data rate, bps	10200		
	11680. TrD PDU header, bit	0		
116	11682. MAC header, bit	0		
	11683. MAC multiplexing	N/A		
116	11685. TrCH type	DCH	DCH	DCH
	11686. TB sizes, bit	0 39 65	99	40
11	11688. TF0, bits	1x0 (note 2)	0x99	0x40
	11689. TF1, bits	1x39	1x99	1x40
	11690. TF2, bits	1x65	N/A	N/A
	11691. TTI, ms	20	20	20
	11692. Coding type	CC 1/3	CC 1/3	CC 1/2
	11693. CRC, bit	12	N/A	N/A

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	11694. Max number of bits/TTI after channel coding	255	321	96
	11695. Max number of bits/radio frame before rate matching	128	161	48
	11696. RM attribute	180-220	170-210	215-256

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

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).	
11697. TFCS size	11698. 6
11699. TFCS	11700. (RAB subflow#1, RAB subflow#2, RAB subflow#3,DCCH)= 11701. (TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0), (TF2, TF1, TF1, TF0), 11702. (TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF1)

6.10.3.4.1.5.2.2   Physical channel parameters

11703. PCH Downlink	11704. Midamble	512 chips
	11705. Codes and time slots	SF16 x 1 code x 1 time slot
	11706. Max. Number of data bits/radio frame	228 bits
	11707. TFCI code word	16 bits
	11708. 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

117	11711. RAB/Signalling RB	**RAB subflow #1**	**RAB subflow #2**
117			

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 clauses 4.2.1.1 in TS 25.212).			
117	11713. Logical channel type	DTCH	
	11714. RLC mode	TM	TM
	11715. Payload sizes, bit	39, 75 (alt. 0, 39, 75)	84
	11716. Max data rate, bps	7950	
	11717. TrD PDU header, bit	0	
117	11719. MAC header, bit	0	
	11720. MAC multiplexing	N/A	
117	11722. TrCH type	DCH	DCH
	11723. TB sizes, bit	39, 75 (alt. 0, 39, 75)	84
11	11725. TF0, bits	0x75 (alt. 1x0) (note)	0x84
	11726. TF1, bits	1x39	1x84
	11727. TF2, bits	1x75	N/A
	11728. TTI, ms	20	20
	11729. Coding type	CC 1/3	CC 1/3
	11730. CRC, bit	12	N/A
	11731. Max number of bits/TTI after channel coding	285	276
	11732. Max number of bits/radio frame before rate matching	143	138
	11733. RM attribute	180-220	170-210

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

11734. TFCS size	11735. 6
11736. TFCS	11737. (RAB subflow#1, RAB subflow#2, DCCH)= 11738. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), 11739. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

6.10.3.4.1.6.1.2 Physical channel parameters

11740.	11741. Midamble	512 chips
	11742. Codes and time slots	SF16 x 1 code x 1 time slot
	11743. Max. Number of data	226 bits
	11744. TFCI code word	16 bits
	11745. TPC	2 bits
	11746. 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

117	11749. RAB/Signalling RB	**RAB subflow #1**	**RAB subflow #2**
117			
117	11751. Logical channel type	DTCH	
	11752. RLC mode	TM	TM

		11753. Payload sizes, bit	0, 39, 75	84
		11754. Max data rate, bps	7950	
		11755. TrD PDU header, bit	0	
117		11757. MAC header, bit	0	
		11758. MAC multiplexing	N/A	
		11760. TrCH type	DCH	DCH
		11761. TB sizes, bit	0, 39, 75	84
		11763. TF0, bits	1x0 (note 2)	0x84
		11764. TF1, bits	1x39	1x84

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).

		11765. TF2, bits	1x75	N/A
		11766. TTI, ms	20	20
		11767. Coding type	CC 1/3	CC 1/3
		11768. CRC, bit	12	N/A
		11769. Max number of bits/TTI after channel coding	285	276
		11770. Max number of bits/radio frame before rate matching	143	138
		11771. RM attribute	180-220	170-210

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

11772. TFCS size	11773. 6	
11774. TFCS	11775. (RAB subflow#1, RAB subflow#2, DCCH)= 11776. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0),	

	11777. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

6.10.3.4.1.6.2.2 Physical channel parameters

11778. DPCH Downlink	11779. Midamble	`512 chips`
	11780. Codes and time slots	`SF16 x 1 code x 1 time slot`
	11781. Max. Number of data bits/radio frame	`228 bits`
	11782. TFCI code word	`16 bits`
	11783. 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

117	11786. RAB/Signalling RB	**RAB subflow #1**	**RAB subflow #2**
117			
117	11788. Logical channel type	`DTCH`	
	11789. RLC mode	`TM`	`TM`
	11790. Payload sizes, bit	`39, 61 (alt. 0, 39, 61)`	`87`
	11791. Max data rate, bps	`7400`	
	11792. TrD PDU header, bit	`0`	
117	11794. MAC header, bit	`0`	
	11795. MAC multiplexing	`N/A`	
117	11797. TrCH type	`DCH`	`DCH`
	11798. TB sizes, bit	`39, 61 (alt. 0, 39, 61)`	`87`
11	11800. TF0, bits	`0x61 (alt. 1x0) (note)`	`0x87`
	11801. TF1, bits	`1x39`	`1x87`

	11802. TF2, bits	1x61	N/A
11803. TTI, ms		20	20
11804. Coding type		CC 1/3	CC 1/3
11805. CRC, bit		12	N/A
11806. Max number of bits/TTI after channel coding		243	285
11807. Max number of bits/radio frame before rate matching		122	143
11808. RM attribute		180-220	170-210

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

NOTE: 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).

11809. TFCS size	11810. 6
11811. TFCS	11812. (RAB subflow#1, RAB subflow#2, DCCH)= 11813. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), 11814. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

6.10.3.4.1.7.1.2 Physical channel parameters

11815. I	11816.	Midamble	512 chips
	11817.	Codes and time slots	SF16 x 1 code x 1 time slot
	11818.	Max. Number of data	226 bits
	11819.	TFCI code word	16 bits
	11820.	TPC	2 bits
	11821.	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

118	11824.	RAB/Signalling RB	**RAB subflow #1**	**RAB subflow #2**
118				
118	11826.	Logical channel type	DTCH	
	11827.	RLC mode	TM	TM
	11828.	Payload sizes, bit	0, 39, 61	87
	11829.	Max data rate, bps	7400	
	11830.	TrD PDU header, bit	0	
118	11832.	MAC header, bit	0	
	11833.	MAC multiplexing	N/A	
118	11835.	TrCH type	DCH	DCH
	11836.	TB sizes, bit	0, 39, 61	87
	11	11838. TF0, bits	1x0 (note 2)	0x87
		11839. TF1, bits	1x39	1x87
		11840. TF2, bits	1x61	N/A
	11841.	TTI, ms	20	20
	11842.	Coding type	CC 1/3	CC 1/3
	11843.	CRC, bit	12	N/A
	11844.	Max number of bits/TTI after channel coding	243	285
	11845.	Max number of bits/radio frame before rate matching	122	143
	11846.	RM attribute	180-220	170-210

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

11847. TFCS size	11848. 6
11849. TFCS	11850. (RAB subflow#1, RAB subflow#2, DCCH)= 11851. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), 11852. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

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).

6.10.3.4.1.7.2.2   Physical channel parameters

11853. PCH Downlink	11854. Midamble	512 chips
	11855. Codes and time slots	SF16 x 1 code x 1 time slot
	11856. Max. Number of data bits/radio frame	228 bits
	11857. TFCI code word	16 bits
	11858. 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

118	11861.RAB/Signalling RB	**RAB subflow #1**	**RAB subflow #2**
118			

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).

118	11863.Logical channel type	DTCH	
	11864.RLC mode	TM	TM
	11865.Payload sizes, bit	39, 58 (alt. 0, 39, 58)	76
	11866.Max data rate, bps	6700	
	11867.TrD PDU header, bit	0	
118	11869.MAC header, bit	0	
	11870.MAC multiplexing	N/A	
118	11872.TrCH type	DCH	DCH
	11873.TB sizes, bit	39, 58 (alt. 0, 39, 58)	76
11	11875.TF0, bits	0x58 (alt. 1x0) (note)	0x76
	11876.TF1, bits	1x39	1x76
	11877.TF2, bits	1x58	N/A
	11878.TTI, ms	20	20
	11879.Coding type	CC 1/3	CC 1/3
	11880.CRC, bit	12	N/A
	11881.Max number of bits/TTI after channel coding	234	252
	11882.Max number of bits/radio frame before rate matching	117	126
	11883.RM attribute	180-220	170-210

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

11884.TFCS size	11885.6
11886.TFCS	11887.(RAB subflow#1, RAB subflow#2, DCCH)= 11888.(TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), 11889.(TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

6.10.3.4.1.8.1.2   Physical channel parameters

11890. I	11891.	Midamble	512 chips
	11892.	Codes and time slots	SF16 x 1 code x 1 time slot
	11893.	Max. Number of data	226 bits
	11894.	TFCI code word	16 bits
	11895.	TPC	2 bits
	11896.	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

118	11899.RAB/Signalling RB	**RAB subflow #1**	**RAB subflow #2**
118			
119	11901.Logical channel type	DTCH	
	11902.RLC mode	TM	TM

		11903. Payload sizes, bit	0, 39, 58	76
		11904. Max data rate, bps	6700	
		11905. TrD PDU header, bit	0	
119		11907. MAC header, bit	0	
		11908. MAC multiplexing	N/A	
		11910. TrCH type	DCH	DCH
		11911. TB sizes, bit	0 39 58	76
		11913. TF0, bits	1x0 (note 2)	0x76
		11914. TF1, bits	1x39	1x76

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).

		11915. TF2, bits	1x58	N/A
		11916. TTI, ms	20	20
		11917. Coding type	CC 1/3	CC 1/3
		11918. CRC, bit	12	N/A
		11919. Max number of bits/TTI after channel coding	234	252
		11920. Max number of bits/radio frame before rate matching	117	126
		11921. RM attribute	180-220	170-210

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

11922. TFCS size	11923. 6
11924. TFCS	11925. (RAB subflow#1, RAB subflow#2, DCCH)= 11926. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0),

	11927. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

6.10.3.4.1.8.2.2 Physical channel parameters

11928. PCH Downlink	11929. Midamble	512 chips
	11930. Codes and time slots	SF16 x 1 code x 1 time slot
	11931. Max. Number of data bits/radio frame	228 bits
	11932. TFCI code word	16 bits
	11933. 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

119	11936. RAB/Signalling RB	**RAB subflow #1**	**RAB subflow #2**
119			
119	11938. Logical channel type	DTCH	
	11939. RLC mode	TM	TM
	11940. Payload sizes, bit	39, 55 (alt. 0, 39, 55)	63
	11941. Max data rate, bps	5900	
	11942. TrD PDU header, bit	0	
119	11944. MAC header, bit	0	
	11945. MAC multiplexing	N/A	
119	11947. TrCH type	DCH	DCH
	11948. TB sizes, bit	39, 55 (alt. 0, 39, 55)	63
11	11950. TF0, bits	0x55 (alt. 1x0) (note)	0x63
	11951. TF1, bits	1x39	1x63

11952. TF2, bits	1x55	N/A
11953. TTI, ms	20	20
11954. Coding type	CC 1/3	CC 1/3
11955. CRC, bit	12	N/A
11956. Max number of bits/TTI after channel coding	225	213
11957. Max number of bits/radio frame before rate matching	113	107
11958. RM attribute	180-220	170-210

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

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).

11959. TFCS size	11960. 6
11961. TFCS	11962. (RAB subflow#1, RAB subflow#2, DCCH)= 11963. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), 11964. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

6.10.3.4.1.9.1.2 Physical channel parameters

11965.			
11966.	Midamble	512 chips
11967.	Codes and time slots	SF16 x 1 code x 1 time slot
11968.	Max. Number of data	226 bits
11969.	TFCI code word	16 bits
11970.	TPC	2 bits
11971.	Puncturing Limit	0.64

ETSI

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

119	11974. RAB/Signalling RB	**RAB subflow #1**	**RAB subflow #2**
119			
119	11976. Logical channel type	DTCH	
	11977. RLC mode	TM	TM
	11978. Payload sizes, bit	0, 39, 55	63
	11979. Max data rate, bps	5900	
	11980. TrD PDU header, bit	0	
119	11982. MAC header, bit	0	
	11983. MAC multiplexing	N/A	
119	11985. TrCH type	DCH	DCH
	11986. TB sizes, bit	0, 39, 55	63
11	11988. TF0, bits	1x0 (note 2)	0x63
	11989. TF1, bits	1x39	1x63
	11990. TF2, bits	1x55	N/A
	11991. TTI, ms	20	20
	11992. Coding type	CC 1/3	CC 1/3
	11993. CRC, bit	12	N/A
	11994. Max number of bits/TTI after channel coding	225	213
	11995. Max number of bits/radio frame before rate matching	113	107
	11996. RM attribute	180-220	170-210

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

11997. TFCS size	11998. 6
11999. TFCS	12000. (RAB subflow#1, RAB subflow#2, DCCH)= 12001. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), 12002. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

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).

6.10.3.4.1.9.2.2   Physical channel parameters

12003. PCH Downlink	12004. Midamble	512 chips
	12005. Codes and time slots	SF16 x 1 code x 1 time slot
	12006. Max. Number of data bits/radio frame	228 bits
	12007. TFCI code word	16 bits
	12008. 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

6.10.3.4.1.10.1.1 Transport channel parameters for Conversational / speech / UL:5.15 kbps / CS RAB

120	12011. RAB/Signalling RB	**RAB subflow #1**	**RAB subflow #2**
120			

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).

120	12013. Logical channel type	DTCH	
	12014. RLC mode	TM	TM
	12015. Payload sizes, bit	39, 49 (alt. 0, 39, 49)	54
	12016. Max data rate, bps	5150	
	12017. TrD PDU header, bit	0	
120	12019. MAC header, bit	0	
	12020. MAC multiplexing	N/A	
120	12022. TrCH type	DCH	DCH
	12023. TB sizes, bit	39, 49 (alt. 0, 39, 49)	54
	12 12025. TF0, bits	0x49 (alt. 1x0) (note)	0x54
	12026. TF1, bits	1x39	1x54
	12027. TF2, bits	1x49	N/A
	12028. TTI, ms	20	20
	12029. Coding type	CC 1/3	CC 1/3
	12030. CRC, bit	12	N/A
	12031. Max number of bits/TTI after channel coding	207	186
	12032. Max number of bits/radio frame before rate matching	104	93
	12033. RM attribute	180-220	170-210

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

12034. TFCS size	12035. 6
12036. TFCS	12037. (RAB subflow#1, RAB subflow#2, DCCH)= 12038. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), 12039. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

6.10.3.4.1.10.1.2 Physical channel parameters

12040. I	12041.	Midamble	512 chips
	12042.	Codes and time slots	SF16 x 1 code x 1 time slot
	12043.	Max. Number of data	226 bits
	12044.	TFCI code word	16 bits
	12045.	TPC	2 bits
	12046.	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

120	12049. RAB/Signalling RB	**RAB subflow #1**	**RAB subflow #2**
120			
120	12051. Logical channel type	DTCH	
	12052. RLC mode	TM	TM

		12053. Payload sizes, bit	`0, 39, 49`	`54`
		12054. Max data rate, bps	`5150`	
		12055. TrD PDU header, bit	`0`	
120		12057. MAC header, bit	`0`	
		12058. MAC multiplexing	`N/A`	
		12060. TrCH type	`DCH`	`DCH`
		12061. TB sizes, bit	`0, 39, 49`	`54`
		12063. TF0, bits	`1x0 (note 2)`	`0x54`
		12064. TF1, bits	`1x39`	`1x54`

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).

		12065. TF2, bits	`1x49`	`N/A`
		12066. TTI, ms	`20`	`20`
		12067. Coding type	`CC 1/3`	`CC 1/3`
		12068. CRC, bit	`12`	`N/A`
		12069. Max number of bits/TTI after channel coding	`207`	`186`
		12070. Max number of bits/radio frame before rate matching	`104`	`93`
		12071. RM attribute	`180-220`	`170-210`

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

12072. TFCS size	12073. 6
12074. TFCS	12075. (RAB subflow#1, RAB subflow#2, DCCH)= 12076. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0),

	12077. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

6.10.3.4.1.10.2.2 Physical channel parameters

12078. IPCH Downlink	12079. Midamble	`512 chips`
	12080. Codes and time slots	`SF16 x 1 code x 1 time slot`
	12081. Max. Number of data bits/radio frame	`228 bits`
	12082. TFCI code word	`16 bits`
	12083. 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

		RAB subflow #1	**RAB subflow #2**
120	12086. RAB/Signalling RB		
120			
120	12088. Logical channel type	`DTCH`	
	12089. RLC mode	`TM`	`TM`
	12090. Payload sizes, bit	`39, 42 (alt. 0, 39, 42)`	`53`
	12091. Max data rate, bps	`4750`	
	12092. TrD PDU header, bit	`0`	
120	12094. MAC header, bit	`0`	
	12095. MAC multiplexing	`N/A`	
120	12097. TrCH type	`DCH`	`DCH`
	12098. TB sizes, bit	`39, 42 (alt. 0, 39, 42)`	`53`
12	12100. TF0, bits	`0x42 (alt. 1x0) (note)`	`0x53`
	12101. TF1, bits	`1x39`	`1x53`

	12102. TF2, bits	`1x42`	`N/A`
12103. TTI, ms		`20`	`20`
12104. Coding type		`CC 1/3`	`CC 1/3`
12105. CRC, bit		`12`	`N/A`
12106. Max number of bits/TTI after channel coding		`186`	`183`
12107. Max number of bits/radio frame before rate matching		`93`	`92`
12108. RM attribute		`180-220`	`170-210`

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.

6.10.3.4.1.11.1.1.3   TFCS

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).	
12109. TFCS size	12110. 6
12111. TFCS	12112. (RAB subflow#1, RAB subflow#2, DCCH)= 12113. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), 12114. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

6.10.3.4.1.11.1.2   Physical channel parameters

12115. I	12116.	Midamble	`512 chips`
	12117.	Codes and time slots	`SF16 x 1 code x 1 time slot`
	12118.	Max. Number of data	`226 bits`
	12119.	TFCI code word	`16 bits`
	12120.	TPC	`2 bits`
	12121.	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

121		12124. RAB/Signalling RB	**RAB subflow #1**	**RAB subflow #2**
121				
121		12126. Logical channel type	DTCH	
		12127. RLC mode	TM	TM
		12128. Payload sizes, bit	0, 39, 42	53
		12129. Max data rate, bps	4750	
		12130. TrD PDU header, bit	0	
121		12132. MAC header, bit	0	
		12133. MAC multiplexing	N/A	
121		12135. TrCH type	DCH	DCH
		12136. TB sizes, bit	0, 39, 42	53
	12	12138. TF0, bits	1x0 (note 2)	0x53
		12139. TF1, bits	1x39	1x53
		12140. TF2, bits	1x42	N/A
		12141. TTI, ms	20	20
		12142. Coding type	CC 1/3	CC 1/3
		12143. CRC, bit	12	N/A
		12144. Max number of bits/TTI after channel coding	186	183
		12145. Max number of bits/radio frame before rate matching	93	92
		12146. RM attribute	180-220	170-210

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

12147. TFCS size	12148. 6
12149. TFCS	12150. (RAB subflow#1, RAB subflow#2, DCCH)= 12151. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), 12152. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

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).

6.10.3.4.1.11.2.2   Physical channel parameters

12153. PCH Downlink	12154. Midamble	512 chips
	12155. Codes and time slots	SF16 x 1 code x 1 time slot
	12156. Max. Number of data bits/radio frame	228 bits
	12157. TFCI code word	16 bits
	12158. 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

121		12161. RAB/Signalling RB	RAB
121			
121		12163. Logical channel type	DTCH
		12164. RLC mode	TM
		12165. Payload sizes, bit	576
		12166. Max data rate, bps	28800
		12167. TrD PDU header, bit	0
121		12169. MAC header, bit	0
		12170. MAC multiplexing	N/A
121		12172. TrCH type	DCH
		12173. TB sizes, bit	576
	12	12175. TF0, bits	0x576
		12176. TF1, bits	1x576
		12177. TF2, bits	2x576
		12178. TTI, ms	40
		12179. Coding type	TC
		12180. CRC, bit	16
		12181. Max number of bits/TTI after channel coding	3564
		12182. Max number of bits/radio frame before rate matching	891
		12183. 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

12184. TFCS size	12185.6
12186. TFCS	12187. (28.8 kbps RAB, DCCH)= 12188. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

6.10.3.4.1.12.1.2   Physical channel parameters

12189.	12190.	Midamble	`512 chips`
	12191.	Codes and time slots	`SF8 x 1 code x 1 time slot`
	12192.	Max. Number of data	`452 bits`
	12193.	TFCI code word	`16 bits`
	12194.	TPC	`2 bits`
	12195.	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

121	12198. RAB/Signalling RB	`RAB`
121		
121	12200. Logical channel type	`DTCH`
	12201. RLC mode	`TM`
	12202. Payload sizes, bit	`576`
	12203. Max data rate, bps	`28800`

		12204. TrD PDU header, bit	0
122		12206. MAC header, bit	0
		12207. MAC multiplexing	N/A
122		12209. TrCH type	DCH
		12210. TB sizes, bit	576
	12	12212. TF0, bits	0x576
		12213. TF1, bits	1x576
		12214. TF2, bits	2x576
		12215. TTI, ms	40
		12216. Coding type	TC
		12217. CRC, bit	16
		12218. Max number of bits/TTI after channel coding	3564
		12219. Max number of bits/radio frame before rate matching	891
		12220. 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

12221. TFCS size	12222. 6
12223. TFCS	12224. (28.8 kbps RAB, DCCH)= 12225. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

6.10.3.4.1.12.2.2   Physical channel parameters

12226. PCH Downlink	12227. Midamble	512 chips
	12228. Codes and time slots	SF16 x 2 codes x 1 time slot
	12229. Max. Number of data bits/radio frame	472 bits
	12230. TFCI code word	16 bits
	12231. 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

122	12234. RAB/Signalling RB		**RAB**
122	12236. Logical channel type		`DTCH`
	12237. RLC mode		`TM`
	12238. Payload sizes, bit		`640`
	12239. Max data rate, bps		`64000`
	12240. TrD PDU header, bit		`0`
122	12242. MAC header, bit		`0`
	12243. MAC multiplexing		`N/A`
122	12245. TrCH type		`DCH`
	12246. TB sizes, bit		`640`
	12247. TFS	12248. TF0, bits	`0x640`
		12249. TF1, bits	`2x640(alt. 4x640)`
	12250. TTI, ms		`20(alt. 40)`
	12251. Coding type		`TC`
	12252. CRC, bit		`16`
	12253. Max number of bits/TTI after channel coding		`3948(alt. 7884)`
	12254. Max number of bits/radio frame before rate matching		`1974(alt. 1971)`
	12255. 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

12256. TFCS size	12257. 4
12258. TFCS	12259. (64 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.3.4.1.13.1.2   Physical channel parameters

12260.	I	12261.	Midamble	`512 chips`
		12262.	Codes and	`{SF16 x 1 code + SF4 x 1 code} x 1 time slot`
		12263. ts/radio frame	Max.	`1210 bits`
		12264.	TFCI code	`8 bits`
		12265.	TPC	`2 bits`
		12266.	Puncturing	`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

122		12269. RAB/Signalling RB	`RAB`
122			
122		12271. Logical channel type	`DTCH`
		12272. RLC mode	`TM`
		12273. Payload sizes, bit	`640`

		12274. Max data rate, bps	`64000`
		12275. TrD PDU header, bit	`0`
122		12277. MAC header, bit	`0`
		12278. MAC multiplexing	`N/A`
122		12280. TrCH type	`DCH`
		12281. TB sizes, bit	`640`
	12282. TFS	12283. TF0, bits	`0x640`
		12284. TF1, bits	`2x640(alt. 4x640)`
		12285. TTI, ms	`20(alt. 40)`
		12286. Coding type	`TC`
		12287. CRC, bit	`16`
		12288. Max number of bits/TTI after channel coding	`3948(alt. 7884)`
		12289. Max number of bits/radio frame before rate matching	`1974(alt. 1971)`
		12290. 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

12291. TFCS size	12292. 4
12293. TFCS	12294. (64 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.3.4.1.13.2.2 Physical channel parameters

12295. PCH Downlink	12296. Midamble	`512 chips`
	12297. Codes and time slots	`SF16 x 5 codes x 1 time slot`
	12298. Max. Number of data bits/radio frame	`1212 bits`
	12299. TFCI code word	`8 bits`
	12300. Puncturing limit	`0,56`

ETSI

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

123	12303. RAB/Signalling RB	**RAB**
123		
123	12305. Logical channel type	DTCH
	12306. RLC mode	TM
	12307. Payload sizes, bit	640
	12308. Max data rate, bps	32000
	12309. TrD PDU header, bit	0
123	12311. MAC header, bit	0
	12312. MAC multiplexing	N/A
123	12314. TrCH type	DCH
	12315. TB sizes, bit	640
	12 12317. TF0, bits	0x640
	12318. TF1, bits	1x640(alt. 2x640)
	12319. TTI, ms	20(alt. 40)
	12320. Coding type	TC
	12321. CRC, bit	16
	12322. Max number of bits/TTI after channel coding	1980(alt. 3948)
	12323. Max number of bits/radio frame before rate matching	990(alt. 987)
	12324. 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

12325. TFCS size	12326. 4
12327. TFCS	12328. (32 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.3.4.1.14.1.2   Physical channel parameters

12329.	12330.	Midamble	512 chips
	12331.	Codes and time slots	SF4 x 1 code x 1 time slot
	12332.	Max. Number of data	936 bits
	12333.	TFCI code word	8 bits
	12334.	TPC	2 bits
	12335.	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

123	12338. RAB/Signalling RB	**RAB**
123		
123	12340. Logical channel type	DTCH
	12341. RLC mode	TM
	12342. Payload sizes, bit	640
	12343. Max data rate, bps	32000

		12344. TrD PDU header, bit	0
12β		12346. MAC header, bit	0
		12347. MAC multiplexing	N/A
12β		12349. TrCH type	DCH
		12350. TB sizes, bit	640
	12	12352. TF0, bits	0x640
		12353. TF1, bits	1x640(alt. 2x640)
		12354. TTI, ms	20(alt. 40)
		12355. Coding type	TC
		12356. CRC, bit	16
		12357. Max number of bits/TTI after channel coding	1980(alt. 3948)
		12358. Max number of bits/radio frame before rate matching	990(alt. 987)
		12359. 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

12360. TFCS size	12361. 4
12362. TFCS	12363. (32 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.3.4.1.14.2.2   Physical channel parameters

12364. PCH Downlink	12365. Midamble	512 chips
	12366. Codes and time slots	SF16 x 3 codes x 1 time slot
	12367. Max. Number of data bits/radio frame	724 bits
	12368. TFCI code word	8 bits
	12369. 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

123	12372. RAB/Signalling RB	`RAB`
123		
123	12374. Logical channel type	`DTCH`
	12375. RLC mode	`TM`
	12376. Payload sizes, bit	`576`
	12377. Max data rate, bps	`14400`
	12378. TrD PDU header, bit	`0`
123	12380. MAC header, bit	`0`
	12381. MAC multiplexing	`N/A`
123	12383. TrCH type	`DCH`
	12384. TB sizes, bit	`576`
	12 12386. TF0, bits	`0x576`
	12387. TF1, bits	`1x576`
	12388. TTI, ms	`40`
	12389. Coding type	`TC`
	12390. CRC, bit	`16`
	12391. Max number of bits/TTI after channel coding	`1788`
	12392. Max number of bits/radio frame before rate matching	`447`
	12393. 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

12394. TFCS size	12395. 4
12396. TFCS	12397. (14.4 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.3.4.1.15.1.2   Physical channel parameters

12398.	12399.	Midamble	512 chips
	12400.	Codes and time slots	SF8 x 1 code x 1 time slot
	12401.	Max. Number of data	468 bits
	12402.	TFCI code word	8 bits
	12403.	TPC	2 bits
	12404.	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

124	12407. RAB/Signalling RB	RAB
124		
124	12409. Logical channel type	DTCH
	12410. RLC mode	TM
	12411. Payload sizes, bit	576
	12412. Max data rate, bps	14400
	12413. TrD PDU header, bit	0
124	12415. MAC header, bit	0

		12416. MAC multiplexing	N/A
	124	12418. TrCH type	DCH
		12419. TB sizes, bit	576
		12 12421. TF0, bits	0x576
		12422. TF1, bits	1x576
		12423. TTI, ms	40
		12424. Coding type	TC
		12425. CRC, bit	16
		12426. Max number of bits/TTI after channel coding	1788
		12427. Max number of bits/radio frame before rate matching	447
		12428. 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

12429. TFCS size	12430. 4
12431. TFCS	12432. (14.4 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.3.4.1.15.2.2   Physical channel parameters

12433. DPCH Downlink	12434. Midamble	512 chips
	12435. Codes and time slots	SF16 x 2 codes x 1 time slot
	12436. Max. Number of data bits/radio frame	480 bits
	12437. TFCI code word	8 bits
	12438. 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

124	12441.	RAB/Signalling RB		**RAB**
124				
124	12443.	Logical channel type		DTCH
	12444.	RLC mode		TM
	12445.	Payload sizes, bit		576
	12446.	Max data rate, bps		28800
	12447.	TrD PDU header, bit		0
124	12449.	MAC header, bit		0
	12450.	MAC multiplexing		N/A
124	12452.	TrCH type		DCH
	12453.	TB sizes, bit		576
	12	12455.	TF0, bits	0x576
		12456.	TF1, bits	1x576
		12457.	TF2, bits	2x576
	12458.	TTI, ms		40
	12459.	Coding type		TC
	12460.	CRC, bit		16
	12461.	Max number of bits/TTI after channel coding		3564
	12462.	Max number of bits/radio frame before rate matching		891
	12463.	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

12464. TFCS size	12465. 6
12466. TFCS	12467. (28.8kbps RAB, DCCH)= 12468. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

6.10.3.4.1.16.1.2   Physical channel parameters

12469. I	12470.	Midamble	`512 chips`
	12471.	Codes and time slots	`SF8 x 1 code x 1 time slot`
	12472.	Max. Number of data	`452 bits`
	12473.	TFCI code word	`16 bits`
	12474.	TPC	`2 bits`
	12475.	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

124	12478. RAB/Signalling RB	**RAB**
124		
124	12480. Logical channel type	`DTCH`
	12481. RLC mode	`TM`
	12482. Payload sizes, bit	`576`
	12483. Max data rate, bps	`28800`

		12484. TrD PDU header, bit	0
124		12486. MAC header, bit	0
		12487. MAC multiplexing	N/A
124		12489. TrCH type	DCH
		12490. TB sizes, bit	576
	12	12492. TF0, bits	0x576
		12493. TF1, bits	1x576
		12494. TF2, bits	2x576
		12495. TTI, ms	40
		12496. Coding type	TC
		12497. CRC, bit	16
		12498. Max number of bits/TTI after channel coding	3564
		12499. Max number of bits/radio frame before rate matching	891
		12500. 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

12501. TFCS size	12502. 6	
12503. TFCS	12504. (28.8kbps RAB, DCCH)= 12505. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)	

6.10.3.4.1.16.2.2 Physical channel parameters

12506. DPCH Downlink		12507. Midamble	512 chips
		12508. Codes and time slots	SF16 x 2 codes x 1 time slot
		12509. Max. Number of data bits/radio frame	472 bits
		12510. TFCI code word	16 bits
		12511. 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

125	125	12514. RAB/Signalling RB	**RAB**
	125	12516. Logical channel type	DTCH
		12517. RLC mode	TM
		12518. Payload sizes, bit	576
		12519. Max data rate, bps	57600
		12520. TrD PDU header, bit	0
	125	12522. MAC header, bit	0
		12523. MAC multiplexing	N/A
	125	12525. TrCH type	DCH
		12526. TB sizes, bit	576
	12	12528. TF0, bits	0x576
		12529. TF1, bits	1x576
		12530. TF2, bits	2x576
		12531. TF3, bits	3x576
		12532. TF4, bits	4x576
		12533. TTI, ms	40
		12534. Coding type	TC
		12535. CRC, bit	16
		12536. Max number of bits/TTI after channel coding	7116
		12537. Max number of bits/radio frame before rate matching	1779
		12538. 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

12539. TFCS size	12540. 10
12541. TFCS	12542. (57.6 kbps RAB, DCCH)= 12543. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), 12544. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.3.4.1.17.1.2   Physical channel parameters

12545.	12546.	Midamble	12547. 512 chips
	12548.	Codes and time slots	12549. SF4 x 1 code x 1 time slot
	12550.	Max. Number of data	12551. 904 bits
	12552.	TFCI code word	12553. 16 bits
	12554.	TPC	12555. 2 bits
	12556.	Puncturing Limit	12557. 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

125	12560. RAB/Signalling RB	RAB
125		
125	12562. Logical channel type	DTCH
	12563. RLC mode	TM

		12564. Payload sizes, bit	576
		12565. Max data rate, bps	57600
		12566. TrD PDU header, bit	0
125		12568. MAC header, bit	0
		12569. MAC multiplexing	N/A
125		12571. TrCH type	DCH
		12572. TB sizes, bit	576
	12	12574. TF0, bits	0x576
		12575. TF1, bits	1x576
		12576. TF2, bits	2x576
		12577. TF3, bits	3x576
		12578. TF4, bits	4x576
		12579. TTI, ms	40
		12580. Coding type	TC
		12581. CRC, bit	16
		12582. Max number of bits/TTI after channel coding	7116
		12583. Max number of bits/radio frame before rate matching	1779
		12584. 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

12585. TFCS size	12586. 10
12587. TFCS	12588. (57.6 kbps RAB, DCCH)= 12589. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), 12590. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.3.4.1.17.2.2 Physical channel parameters

12591. I	12592. Midamble	512 chips

P C H D o w n li nk	12593. Codes and time slots	SF16 x 4 codes x 1 time slot	
	12594. Max. Number of data bits/radio frame	960 bits	
	12595. TFCI code word	16 bits	
	12596. 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

125	12599. RAB/Signalling RB	**RAB**	
125			
126	12601. Logical channel type	DTCH	
	12602. RLC mode	TM	
	12603. Payload sizes, bit	320	
	12604. Max data rate, bps	64000	

		12605. TrD PDU header, bit	`0`
126		12607. MAC header, bit	`0`
		12608. MAC multiplexing	`N/A`
126		12610. TrCH type	`DCH`
		12611. TB sizes, bit	`320`
	12	12613. TF0, bits	`0x320`
		12614. TF1, bits	`1x320`
		12615. TF2, bits	`2x320`
		12616. TF3, bits	`4x320`
		12617. TF4, bits	`8x320`
	12618. TTI, ms		`40`
	12619. Coding type		`TC`
	12620. CRC, bit		`16`
	12621. Max number of bits/TTI after channel coding		`8076`
	12622. Max number of bits/radio frame before rate matching		`2019`
	12623. 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

12624. TFCS size	12625. 10
12626. TFCS	12627. (64 kbps RAB, DCCH)= 12628. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), 12629. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.3.4.1.18.2.2 Physical channel parameters

12630. PC	12631. Midamble	`512 chips`
	12632. Codes and time slots	`SF16 x 5 codes x 1 time slot`

H D o w nli nk	12633. Max. Number of data bits/radio frame	1204 bits
	12634. TFCI code word	16 bits
	12635. 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

126	12638. RAB/Signalling RB	RAB
126		
126	12640. Logical channel type	DTCH
	12641. RLC mode	TM
	12642. Payload sizes, bit	320
	12643. Max data rate, bps	64000
	12644. TrD PDU header, bit	0
126	12646. MAC header, bit	0
	12647. MAC multiplexing	N/A
126	12649. TrCH type	DCH
	12650. TB sizes, bit	320
12	12652. TF0, bits	0x320
	12653. TF1, bits	1x320
	12654. TF2, bits	2x320
	12655. TF3, bits	4x320
	12656. TF4, bits	8x320
12657. TTI, ms		40
12658. Coding type		TC

12659. CRC, bit	`16`	
12660. Max number of bits/TTI after channel coding	`8076`	
12661. Max number of bits/radio frame before rate matching	`2019`	
12662. 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

12663. TFCS size	12664. 10
12665. TFCS	12666. (64 kbps RAB, DCCH)= 12667. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), 12668. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.3.4.1.19.1.2   Physical channel parameters

12669.	D	12670.	Midamble	`512 chips`
		12671.	Codes and time slots	`{SF16 x 1 code + SF4 x 1 code}` `x 1 time slot`
		12672.	Max. Number of data	`1202 bits`
		12673.	TFCI code word	`16 bits`
		12674.	TPC	`2 bits`
		12675.	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

126	12678. RAB/Signalling RB	RAB
126		
126	12680. Logical channel type	DTCH
	12681. RLC mode	TM
	12682. Payload sizes, bit	320
	12683. Max data rate, bps	128000
	12684. TrD PDU header, bit	0

126	12686. MAC header, bit		0
	12687. MAC multiplexing		N/A
126	12689. TrCH type		DCH
	12690. TB sizes, bit		320
	12	12692. TF0, bits	0x320
		12693. TF1, bits	1x320
		12694. TF2, bits	2x320
		12695. TF3, bits	4x320
		12696. TF4, bits	8x320
		12697. TF5, bits	16x320
	12698. TTI, ms		40
	12699. Coding type		TC
	12700. CRC, bit		16
	12701. Max number of bits/TTI after channel coding		16152
	12702. Max number of bits/radio frame before rate matching		4038
	12703. 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

12704. TFCS size	12705. 12
12706. TFCS	12707. (128 kbps RAB, DCCH)= 12708. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0) 12709. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1)

6.10.3.4.1.20.2.2   Physical channel parameters

12710. PC	12711. Midamble	256 chips
	12712. Codes and time slots	SF16 x 8 codes x 1 time slot

	H D o w nli nk	12713. Max. Number of data bits/radio frame	`2192 bits`
		12714. TFCI code word	`16 bits`
		12715. 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

127		12718. RAB/Signalling RB	`RAB`	
127				
127		12720. Logical channel type	`DTCH`	
		12721. RLC mode	`TM`	
		12722. Payload sizes, bit	`320`	
		12723. Max data rate, bps	`128000`	
		12724. TrD PDU header, bit	`0`	
127		12726. MAC header, bit	`0`	
		12727. MAC multiplexing	`N/A`	
127		12729. TrCH type	`DCH`	
		12730. TB sizes, bit	`320`	
	12	12732. TF0, bits	`0x320`	
		12733. TF1, bits	`1x320`	
		12734. TF2, bits	`2x320`	
		12735. TF3, bits	`4x320`	
		12736. TF4, bits	`8x320`	
		12737. TF5, bits	`16x320`	

12738. TTI, ms	40	
12739. Coding type	TC	
12740. CRC, bit	16	
12741. Max number of bits/TTI after channel coding	16152	
12742. Uplink: Max number of bits/radio frame before rate matching	4038	
12743. 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

12744. TFCS size	12745. 12
12746. TFCS	12747. (128 kbps RAB, DCCH)= 12748. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0) 12749. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1)

6.10.3.4.1.21.1.2 Physical channel parameters

12750.			
	12751.	Midamble	256 chips
	12752.	Codes and time slots	SF2 x 1 code x 1 time slot
	12753.	Max. Number of data	2064 bits
	12754.	TFCI code word	16 bit
	12755.	TPC	2 bits
	12756.	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

127	12759. RAB/Signalling RB	RAB
127		
127	12761. Logical channel type	DTCH
	12762. RLC mode	TM

		12763. Payload sizes, bit	320
		12764. Max data rate, bps	384000
		12765. TrD PDU header, bit	0
127		12767. MAC header, bit	0
		12768. MAC multiplexing	N/A
127		12770. TrCH type	DCH
		12771. TB sizes, bit	320
	12	12773. TF0, bits	0x320
		12774. TF1, bits	1x320
		12775. TF2, bits	2x320
		12776. TF3, bits	4x320
		12777. TF4, bits	8x320
		12778. TF5, bits	16x320
		12779. TF6, bits	32x320
		12780. TF7, bits	48x320
	12781. TTI, ms		40
	12782. Coding type		TC
	12783. CRC, bit		16
	12784. Max number of bits/TTI after channel coding		48432
	12785. Max number of bits/radio frame before rate matching		12108
	12786. 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

12787. TFCS size	12788. 16	
12789. TFCS	12790. (384 kbps RAB, DCCH)= 12791. (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

12792.PCH Downlink	12793.Midamble	256 chips
	12794.Codes and time slots	SF16 x 8 codes x 3 time slots
	12795.Max. Number of data bits/radio frame	6608 bits
	12796.TFCI code word	16 bits
	12797.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

127	12800.RAB/Signalling RB	**RAB**
127		
128	12802.Logical channel type	DTCH
	12803.RLC mode	AM
	12804.Payload sizes, bit	320
	12805.Max data rate, bps	32000
	12806.AMD PDU header, bit	16
128	12808.MAC header, bit	0
	12809.MAC multiplexing	N/A
128	12811.TrCH type	DCH
	12812.TB sizes, bit	336
12	12814.TF0, bits	0x336
	12815.TF1, bits	1x336
	12816.TF2, bits	2x336 (alt. N/A)
	12817.TTI, ms	20 (alt. 10)

12818. Coding type	`TC (alt. CC 1/3)`
12819. CRC, bit	`16`
12820. Max number of bits/TTI after channel coding	`2124 (alt. 1080)`
12821. Max number of bits/radio frame before rate matching	`1062 (alt. 1080)`
12822. 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

12823. TFCS size	12824. 6 (alt. 4)
12825. TFCS	12826. (32 kbps RAB, DCCH)= 12827. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1) 12828. (alt. (TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1))

6.10.3.4.1.23.1.2 Physical channel parameters

12829.			
	12830.	Midamble	`512 chips`
	12831.	Codes and time slots	`SF4 x 1 code x 1 time slot`
	12832.	Max. Number of data	`904 bits`
	12833.	TFCI code word	`16 bits`
	12834.	TPC	`2 bits`
	12835.	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

128	12838. RAB/Signalling RB	**RAB**
128		
128	12840. Logical channel type	DTCH
	12841. RLC mode	AM
	12842. Payload sizes, bit	320
	12843. Max data rate, bps	8000
	12844. AMD PDU header, bit	16
128	12846. MAC header, bit	0
	12847. MAC multiplexing	N/A
128	12849. TrCH type	DCH
	12850. TB sizes, bit	336
	12 12852. TF0, bits	0x336
	12853. TF1, bits	1x336
	12854. TTI, ms	40
	12855. Coding type	TC (alt. CC 1/3)
	12856. CRC, bit	16
	12857. Max number of bits/TTI after channel coding	1068 (alt. 1080)
	12858. Max number of bits/radio frame before rate matching	267 (alt. 270)
	12859. 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

12860. TFCS size	12861. 4
12862. TFCS	12863. (8 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.3.4.1.23.2.2   Physical channel parameters

12864. PCH Downlink	12865. Midamble	`512 chips`
	12866. Codes and time slots	`SF16 x 1 code x 1 time slot`
	12867. Max. Number of data bits/radio frame	`236 bits`
	12868. TFCI code word	`8 bits`
	12869. 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

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

128	12872. RAB/Signalling RB	**RAB**
128		
128	12874. Logical channel type	`DTCH`
	12875. RLC mode	`AM`
	12876. Payload sizes, bit	`320`
	12877. Max data rate, bps	`64000`
	12878. AMD PDU header, bit	`16`
128	12880. MAC header, bit	`0`

		12881. MAC multiplexing	N/A
128		12883. TrCH type	DCH
		12884. TB sizes, bit	336
	12	12886. TF0, bits	0x336
		12887. TF1, bits	1x336
		12888. TF2, bits	2x336
		12889. TF3, bits	3x336
		12890. TF4, bits	4x336
		12891. TTI, ms	20
		12892. Coding type	TC
		12893. CRC, bit	16
		12894. Max number of bits/TTI after channel coding	4236
		12895. Max number of bits/radio frame before rate matching	2118
		12896. 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

12897. TFCS size	12898. 10
12899. TFCS	12900. (64 kbps RAB, DCCH)= 12901. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), 12902. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.3.4.1.24.1.2 Physical channel parameters

12903.	12904.	Midamble	512 chips
	12905.	Codes and time slots	{SF16 x 1 code + SF4 x 1 code} x 1 time slot
	12906.	Max. Number of data	1202 bits

	12907.	TFCI code word	16 bits
	12908.	TPC	2 bits
	12909.	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

129	12912. RAB/Signalling RB	**RAB**
129		
129	12914. Logical channel type	DTCH
	12915. RLC mode	AM
	12916. Payload sizes, bit	320
	12917. Max data rate, bps	64000
	12918. AMD PDU header, bit	16
129	12920. MAC header, bit	0
	12921. MAC multiplexing	N/A
129	12923. TrCH type	DCH
	12924. TB sizes, bit	336
12	12926. TF0, bits	0x336
	12927. TF1, bits	1x336

	12928. TF2, bits	`2x336`
	12929. TF3, bits	`3x336`
	12930. TF4, bits	`4x336`
12931. TTI, ms		`20`
12932. Coding type		`TC`
12933. CRC, bit		`16`
12934. Max number of bits/TTI after channel coding		`4236`
12935. Max number of bits/radio frame before rate matching		`2118`
12936. 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

12937. TFCS size	12938. 10
12939. TFCS	12940. (64 kbps RAB, DCCH)= 12941. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), 12942. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.3.4.1.25.2.2 Physical channel parameters

12943. DPCH Downlink	12944. Midamble	`512 chips`
	12945. Codes and time slots	`SF16 x 5 codes x 1 time slot`
	12946. Max. Number of data bits/radio frame	`1204 bits`
	12947. TFCI code word	`16 bits`
	12948. 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

129		12951. RAB/Signalling RB	**RAB**
	129		
	129	12953. Logical channel type	`DTCH`
		12954. RLC mode	`AM`
		12955. Payload sizes, bit	`320`
		12956. Max data rate, bps	`128000`
		12957. AMD PDU header, bit	`16`
	129	12959. MAC header, bit	`0`
		12960. MAC multiplexing	`N/A`
	129	12962. TrCH type	`DCH`
		12963. TB sizes, bit	`336`
		12 12965. TF0, bits	`0x336`
		12966. TF1, bits	`1x336`
		12967. TF2, bits	`2x336`
		12968. TF3, bits	`4 x336`
		12969. TF4, bits	`8 x336`
		12970. TTI, ms	`20`
		12971. Coding type	`TC`

12972. CRC, bit	`16`	
12973. Max number of bits/TTI after channel coding	`8460`	
12974. Max number of bits/radio frame before rate matching	`4230`	
12975. 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

12976. TFCS size	12977. 10
12978. TFCS	12979. (128 kbps RAB, DCCH)= 12980. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), 12981. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.3.4.1.27.2.2 Physical channel parameters

12982. PCH Downlink	12983. Midamble	`256 chips`
	12984. Codes and time slots	`SF16 x 8 codes x 1 time slot`
	12985. Max. Number of data bits/radio frame	`2192 bits`
	12986. TFCI code word	`16 bits`
	12987. 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

129		12990. RAB/Signalling RB	**RAB**
129			
129		12992. Logical channel type	DTCH
		12993. RLC mode	AM
		12994. Payload sizes, bit	320
		12995. Max data rate, bps	128000
		12996. AMD PDU header, bit	16
129		12998. MAC header, bit	0
		12999. MAC multiplexing	N/A
130		13001. TrCH type	DCH
		13002. TB sizes, bit	336
	13	13004. TF0, bits	0x336
		13005. TF1, bits	1x336
		13006. TF2, bits	2x336
		13007. TF3, bits	4 x336
		13008. TF4, bits	8 x336
		13009. TTI, ms	20
		13010. Coding type	TC
		13011. CRC, bit	16
		13012. Max number of bits/TTI after channel coding	8460
		13013. Max number of bits/radio frame before rate matching	4230
		13014. RM attribute	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

13015. TFCS size	13016. 10
13017. TFCS	13018. (128 kbps RAB, DCCH)= 13019. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), 13020. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.3.4.1.28.1.2 Physical channel parameters

13021.		13022.	Midamble	`256 chips`
		13023.	Codes and time slots	`SF2 x 1 code x 1 time slot`
		13024.	Max. Number of data	`2064 bits`
		13025.	TFCI code word	`16 bits`
		13026.	TPC	`2 bits`
		13027.	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

130		13030. RAB/Signalling RB		**RAB**
130				
130		13032. Logical channel type		DTCH
		13033. RLC mode		AM
		13034. Payload sizes, bit		320
		13035. Max data rate, bps		144000
		13036. AMD PDU header, bit		16
130		13038. MAC header, bit		0
		13039. MAC multiplexing		N/A
130		13041. TrCH type		DCH
		13042. TB sizes, bit		336
	13		13044. TF0, bits	0x336
			13045. TF1, bits	1x336
			13046. TF2, bits	2x336
			13047. TF3, bits	4 x336
			13048. TF4, bits	8 x336
			13049. TF5, bits	9x336
		13050. TTI, ms		20
		13051. Coding type		TC
		13052. CRC, bit		16
		13053. Max number of bits/TTI after channel coding		9516
		13054. Max number of bits/radio frame before rate matching		4758
		13055. 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

13056. TFCS size	13057. 12
13058. TFCS	13059. (144 kbps RAB, DCCH)= 13060. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0) 13061. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1)

6.10.3.4.1.29.2.2 Physical channel parameters

13062. PCH Downlink	13063. Midamble	`256 chips`
	13064. Codes and time slots	`SF16 x 9 codes x 1 time slot`
	13065. Max. Number of data bits/radio frame	`2468 bits`
	13066. TFCI code word	`16 bits`
	13067. 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

130	13070. RAB/Signalling RB	**RAB**
130		
130	13072. Logical channel type	`DTCH`
	13073. RLC mode	`AM`
	13074. Payload sizes, bit	`320`

		13075. Max data rate, bps	`144000`
		13076. AMD PDU header, bit	`16`
	130	13078. MAC header, bit	`0`
		13079. MAC multiplexing	`N/A`
	130	13081. TrCH type	`DCH`
		13082. TB sizes, bit	`336`
		13 13084. TF0, bits	`0x336`
		13085. TF1, bits	`1x336`
		13086. TF2, bits	`2x336`
		13087. TF3, bits	`4 x336`
		13088. TF4, bits	`8 x336`
		13089. TF5, bits	`9 x336`
		13090. TTI, ms	`20`
		13091. Coding type	`TC`
		13092. CRC, bit	`16`
		13093. Max number of bits/TTI after channel coding	`9516`
		13094. Max number of bits/radio frame before rate matching	`4758`
		13095. 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

13096. TFCS size	13097. 12
13098. TFCS	13099. (144 kbps RAB, DCCH)= 13100. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0) 13101. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1)

6.10.3.4.1.30.1.2   Physical channel parameters

13102.	13103. Midamble	`256 chips`

		13104.	Codes and time slots	{SF16 x 1 code + SF2 x 1 code} x 1 time slot
		13105.	Max. Number of data	2466 bits
		13106.	TFCI code word	16 bits
		13107.	TPC	2 bits
		13108.	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

131		13111. RAB/Signalling RB	RAB
131			
131		13113. Logical channel type	DTCH
		13114. RLC mode	AM
		13115. Payload sizes, bit	320
		13116. Max data rate, bps	384000
		13117. AMD PDU header, bit	16
131		13119. MAC header, bit	0
		13120. MAC multiplexing	N/A
131		13122. TrCH type	DCH
		13123. TB sizes, bit	336

13	1	13111. RAB/Signalling RB	RAB
	13		
		13125. TF0, bits	0x336
		13126. TF1, bits	1x336
		13127. TF2, bits	2x336
		13128. TF3, bits	4 x336
		13129. TF4, bits	8 x336
		13130. TF5, bits	N/A (alt. 12x336)
		13131. TF6, bits	N/A (alt. 16x336)
	13132. TTI, ms		10(alt. 20)
	13133. Coding type		TC
	13134. CRC, bit		16
	13135. Max number of bits/TTI after channel coding		8460(alt. 16920)
	13136. Max number of bits/radio frame before rate matching		8460 (alt. 8460)
	13137. 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

13138. TFCS size	13139. 10 (alt.14)
13140. TFCS	13141. (256 kbps RAB, DCCH)= 13142. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), 13143. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1) 13144. (alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0)

	13145. (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

13146. DPCH Downlink	13147. Midamble	256 chips
	13148. Codes and time slots	SF16 x 8 codes x 2 time slots
	13149. Max. Number of data bits/radio frame	4400 bits
	13150. TFCI code word	16 bits
13151.	13152. 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

131	13155. RAB/Signalling RB	**RAB**
131		
131	13157. Logical channel type	DTCH
	13158. RLC mode	AM
	13159. Payload sizes, bit	320
	13160. Max data rate, bps	384000
	13161. AMD PDU header, bit	16
131	13163. MAC header, bit	0
	13164. MAC multiplexing	N/A
131	13166. TrCH type	DCH

131		13155.RAB/Signalling RB	**RAB**
131			
		13167.TB sizes, bit	336
	13	13169.TF0, bits	0x336
		13170.TF1, bits	1x336
		13171.TF2, bits	2x336
		13172.TF3, bits	4 x336
		13173.TF4, bits	8 x336
		13174.TF5, bits	12x336
		13175.TF6, bits	N/A (alt. 16 x336)
		13176.TF7, bits	N/A (alt. 20 x336)
		13177.TF8, bits	N/A (alt. 24 x336)
	13178.TTI, ms		10(alt. 20)
	13179.Coding type		TC
	13180.CRC, bit		16
	13181.Max number of bits/TTI after channel coding		12684(alt. 25368)
	13182.Max number of bits/radio frame before rate matching		12684 (alt. 12684)
	13183.RM attribute		110-150

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

13184.TFCS size	13185.12 (alt.18)	
13186.TFC	13187.(384 kbps RAB, DCCH)=	

	S	13188.(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0)
		13189.(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1)
		13190.(alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7, TF0), (TF8, TF0),
		13191.(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

13192.DPCHDownlink	13193.Midamble	`256 chips`
	13194.Codes and time slots	`SF16 x 8 codes x 3 time slots`
	13195.Max. Number of data bits/radio frame	`6608 bits`
	13196.TFCI code word	`16 bits`
	13197.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

131	13200.RAB/Signalling RB	**RAB**
131		
132	13202.Logical channel type	`DTCH`

		13203. RLC mode	`AM`	
		13204. Payload sizes, bit	`320`	
		13205. Max data rate, bps	`384000`	
		13206. AMD PDU header, bit	`16`	
	132	13208. MAC header, bit	`0`	
		13209. MAC multiplexing	`N/A`	
	132	13211. TrCH type	`DCH`	
		13212. TB sizes, bit	`336`	
	13	13214. TF0, bits	`0x336`	
		13215. TF1, bits	`1x336`	
		13216. TF2, bits	`2x336`	
		13217. TF3, bits	`4 x336`	
		13218. TF4, bits	`8 x336`	
		13219. TF5, bits	`12x336`	
		13220. TF6, bits	`16x336(alt. N/A)`	
		13221. TF7, bits	`20x336(alt. N/A)`	
		13222. TF8, bits	`24 x336 (alt. N/A)`	
		13223. TTI, ms	`20 (alt. 10)`	
		13224. Coding type	`TC`	
		13225. CRC, bit	`16`	
		13226. Max number of bits/TTI after channel coding	`25368`	
		13227. Max number of bits/radio frame before rate matching	`12684`	
		13228. 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

13229. TFCS size	13230. 18 (alt.12)	
13231. TFC	13232. (384 kbps RAB, DCCH)= 13233. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0),	

S	(TF6, TF0), (TF7, TF0), (TF8, TF0),
	13234. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1), (TF8, TF1)
	13235. (alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0)
	13236. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1))

6.10.3.4.1.34.1.2   Physical channel parameters

13237.	13238.	Midamble	`256 chips`
	13239.	Codes and time slots	`SF2 x 1 code x 3 time slots`
	13240.	Max. Number of data	`6480 bits`
	13241.	TFCI code word	`16 bits`
	13242.	TPC	`2 bits`
	13243.	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

132	13246. RAB/Signalling RB	**RAB**
132		
132	13248. Logical channel type	`DTCH`
	13249. RLC mode	`AM`

132	13246. RAB/Signalling RB	`RAB`
132		
	13250. Payload sizes, bit	`640`
	13251. Max data rate, bps	`2048000`
	13252. AMD PDU header, bit	`16`
132	13254. MAC header, bit	`0`
	13255. MAC multiplexing	`N/A`
132	13257. TrCH type	`DCH`
	13258. TB sizes, bit	`656`
13	13260. TF0, bits	`0x656`
	13261. TF1, bits	`1x656`
	13262. TF2, bits	`2x656`
	13263. TF3, bits	`4 x656`
	13264. TF4, bits	`8 x656`
	13265. TF5, bits	`12x656`
	13266. TF6, bits	`16x656`
	13267. TF7, bits	`20x656`
	13268. TF8, bits	`24x656`
	13269. TF9, bits	`28x656`
	13270. TF10, bits	`32x656`
	13271. TF11, bits	`N/A (alt. 36x656)`
	13272. TF12, bits	`N/A (alt. 40x656)`
	13273. TF13, bits	`N/A (alt. 44x656)`
	13274. TF14, bits	`N/A (alt. 48x656)`
	13275. TF15, bits	`N/A (alt. 52x656)`
	13276. TF16, bits	`N/A (alt. 56x656)`
	13277. TF17, bits	`N/A (alt. 60x656)`
132	13278. TF18, bits	`N/A (alt. 64x656)`
	13246. RAB/Signalling RB	

132	13246. RAB/Signalling RB	`RAB`
132		
	13279. TTI, ms	`10(alt. 20)`
	13280. Coding type	`TC`
	13281. CRC, bit	`16`
	13282. Max number of bits/TTI after channel coding	`64575 (alt. 129141)`
	13283. Max number of bits/radio frame before rate matching	`64575 (alt. 64571)`
	13284. 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

13285. TFCS size	13286. 22 (alt.38)
13287. TFCS	13288. (2048 kbps RAB, DCCH)=
	13289. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7, TF0), (TF8, TF0), (TF9, TF0), (TF10, TF0),
	13290. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1), (TF8, TF1), (TF9, TF1), (TF10, TF1)
	13291. (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),
	13292. (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

13293. DPCH Downlink	13294. Midamble	256 chips
	13295. Codes and time slots	SF1 x 1 code x 12 time slot
	13296. Max. Number of data bits/radio frame	52976 bits
	13297. TFCI code word	16 bits
13298.	13299. 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

13300. TFCS size	13301. 18 (alt. 12)
13302. TFCS	13303. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 32kbps RAB , DCCH)= 13304. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0), 13305. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0), 13306. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0), 13307. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1), 13308. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1), 13309. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1) 13310. (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), 13311. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1), 13312. (TF0, 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

13313.	I	13314.	Midamble	512 chips
		13315.	Codes and time slots	SF4 x 1 code x 1 time slot
		13316.	Max. Number of data	904 bits
		13317.	TFCI code word	16 bits
		13318.	TPC	2 bits
		13319.	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

13320. TFCS size	13321. 12
13322. TFCS	13323. (RAB subflow#1, RAB subflow#2, RAB subflow#3,8kbps RAB, DCCH)=
	13324. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	13325. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	13326. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	13327. (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

13328. DPCH Downlink	13329. Midamble	`512 chips`
	13330. Codes and time slots	`SF16 x 2 codes x 1 time slot`
	13331. Max. Number of data bits/radio frame	`472 bits`
	13332. TFCI code word	`16 bits`
	13333. Puncturing limit	`0,60`

6.10.3.4.1.39 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

6.10.3.4.1.39.1 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

13334. TFCS size	13335. 30
13336. TFCS	13337. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB , DCCH)= 13338. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0), 13339. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0), 13340. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0), 13341. (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0), 13342. (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0), 13343. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1), 13344. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1), 13345. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1), 13346. (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1), 13347. (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

13348. I	13349. Midamble	512 chips

	P C H D o w nli nk	13350. Codes and time slots	SF16 x 8 codes x 1 time slot
		13351. Max. Number of data bits/radio frame	1936 bits
		13352. TFCI code word	16 bits
		13353. 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

13354. T FC S siz e	13355. 30
13356. T FC S	13357. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB , DCCH)=
	13358. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	13359. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	13360. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	13361. (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	13362. (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	13363. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	13364. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	13365. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1,

	TF2, TF1),
	13366.(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	13367.(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

13368.	I	13369.	Midamble	512 chips
		13370.	Codes and time slots	SF2 x 1 code x 1 time slot
		13371.	Max. Number of data	1808 bits
		13372.	TFCI code word	16 bit
		13373.	TPC	2 bits
		13374.	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

13375.T FC S siz	13376.30

e	
13377.T FC S	13378.(RAB subflow#1, RAB subflow#2, RAB subflow#3, 128 kbps RAB , DCCH)=
	13379.(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	13380. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	13381.(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	13382.(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	13383.(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	13384.(TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	13385.(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	13386.(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	13387.(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	13388.(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

9. D PCH Downlink	0.	Midamble	256 chips
	1.	Codes and time slots	SF16 x 10 codes x 1 time slot
	2. Max. Number of data bits/radio frame		2744 bits
	3.	TFCI code word	16 bits
4.	5.	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

13396. TFCS size	13397. 30 (alt. 42)
13398. TFCS	13399. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 256 kbps RAB , DCCH)=
	13400. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	13401. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	13402. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	13403. (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	13404. (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	13405. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	13406. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	13407. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	13408. (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	13409. (TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)
	13410. (alt. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	13411. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	13412. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1,

	TF2, TF0),	
	13413. (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),	
	13414. (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),	
	13415. (TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),	
	13416. (TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0),	
	13417. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),	
	13418. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),	
	13419. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),	
	13420. (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),	
	13421. (TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)	
	13422. (TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1),	
	13423. (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

13424. DPCH Downlink	13425. Midamble	256 chips
	13426. Codes and time slots	SF16 x 10 codes x 2 time slots
	13427. Max. Number of data bits/radio frame	5504 bits
	13428. TFCI code word	16 bits
13429.	13430. 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

13431. TFCS size	13432. 36 (alt. 54)
13433. TFCS	13434. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 384 kbps RAB , DCCH)=
	13435. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	13436. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	13437. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	13438. (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	13439. (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	13440. (TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	13441. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	13442. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	13443. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	13444. (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	13445. (TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)
	13446. (TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1),
	13447. (alt. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1,

	TF0, TF0),
	13448. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	13449. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	13450. (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	13451. (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	13452. (TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	13453. (TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0),
	13454. (TF0, TF0, TF0, TF7, TF0), (TF1, TF0, TF0, TF7, TF0), (TF2, TF1, TF1, TF7, TF0),
	13455. (TF0, TF0, TF0, TF8, TF0), (TF1, TF0, TF0, TF8, TF0), (TF2, TF1, TF1, TF8, TF0),
	13456. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	13457. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	13458. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	13459. (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	13460. (TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)
	13461. (TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1)
	13462. (TF0, TF0, TF0, TF6, TF1), (TF1, TF0, TF0, TF6, TF1), (TF2, TF1, TF1, TF6, TF1),
	13463. (TF0, TF0, TF0, TF7, TF1), (TF1, TF0, TF0, TF7, TF1), (TF2, TF1, TF1, TF7, TF1)
	13464. (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

13465. PCH Downli	13466. Midamble	`256 chips`
	13467. Codes and time slots	`SF16 x 8 codes x 3 time slots`
	13468. Max. Number of data bits/radio frame	`6592 bits`
	13469. TFCI code word	`32 bits`

nk	13470. 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

13471. TFCS size	13472. 30
13473. TFCS	13474. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 128 kbps RAB , DCCH)=
	13475. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	13476. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	13477. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	13478. (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	13479. (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	13480. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	13481. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	13482. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	13483. (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	13484. (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

13485. I	13486.	Midamble	`256 chips`
	13487.	Codes and time slots	`{SF8 x 1 code + SF2 x 1 code}` `x 1 time slot`
	13488.	Max. Number of data	`2724 bits`
	13489.	TFCI code word	`16 bits`
	13490.	TPC	`2 bits`
	13491.	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

13492. TFCS size	13493. 66 (alt. 114)
13494. TFCS	13495. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 2048 kbps RAB , DCCH)= 13496. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0), 13497. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0), 13498. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0), 13499. (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0), 13500. (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1,

	TF4, TF0),
	13501. (TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	13502. (TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0),
	13503. (TF0, TF0, TF0, TF7, TF0), (TF1, TF0, TF0, TF7, TF0), (TF2, TF1, TF1, TF7, TF0),
	13504. (TF0, TF0, TF0, TF8, TF0), (TF1, TF0, TF0, TF8, TF0), (TF2, TF1, TF1, TF8, TF0),
	13505. (TF0, TF0, TF0, TF9, TF0), (TF1, TF0, TF0, TF9, TF0), (TF2, TF1, TF1, TF9, TF0),
	13506. (TF0, TF0, TF0, TF10, TF0), (TF1, TF0, TF0, TF10, TF0), (TF2, TF1, TF1, TF10, TF0),
	13507. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	13508. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	13509. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	13510. (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	13511. (TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)
	13512. (TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1),
	13513. TF0, TF0, TF0, TF6, TF1), (TF1, TF0, TF0, TF6, TF1), (TF2, TF1, TF1, TF6, TF1),
	13514. (TF0, TF0, TF0, TF7, TF1), (TF1, TF0, TF0, TF7, TF1), (TF2, TF1, TF1, TF7, TF1),
	13515. (TF0, TF0, TF0, TF8, TF1), (TF1, TF0, TF0, TF8, TF1), (TF2, TF1, TF1, TF8, TF1),
	13516. (TF0, TF0, TF0, TF9, TF1), (TF1, TF0, TF0, TF9, TF1), (TF2, TF1, TF1, TF9, TF1)
	13517. (TF0, TF0, TF0, TF10, TF1), (TF1, TF0, TF0, TF10, TF1), (TF2, TF1, TF1, TF10, TF1)
	13518. (alt. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	13519. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	13520. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	13521. (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	13522. (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1,

	TF4, TF0),
	13523. (TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	13524. (TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0),
	13525. (TF0, TF0, TF0, TF7, TF0), (TF1, TF0, TF0, TF7, TF0), (TF2, TF1, TF1, TF7, TF0),
	13526. (TF0, TF0, TF0, TF8, TF0), (TF1, TF0, TF0, TF8, TF0), (TF2, TF1, TF1, TF8, TF0),
	13527. (TF0, TF0, TF0, TF9, TF0), (TF1, TF0, TF0, TF9, TF0), (TF2, TF1, TF1, TF9, TF0),
	13528. (TF0, TF0, TF0, TF10, TF0), (TF1, TF0, TF0, TF10, TF0), (TF2, TF1, TF1, TF10, TF0),
	13529. (TF0, TF0, TF0, TF11, TF0), (TF1, TF0, TF0, TF11, TF0), (TF2, TF1, TF1, TF11, TF0),
	13530. (TF0, TF0, TF0, TF12, TF0), (TF1, TF0, TF0, TF12, TF0), (TF2, TF1, TF1, TF12, TF0),
	13531. (TF0, TF0, TF0, TF13, TF0), (TF1, TF0, TF0, TF13, TF0), (TF2, TF1, TF1, TF13, TF0),
	13532. (TF0, TF0, TF0, TF14, TF0), (TF1, TF0, TF0, TF14, TF0), (TF2, TF1, TF1, TF14, TF0),
	13533. (TF0, TF0, TF0, TF15, TF0), (TF1, TF0, TF0, TF15, TF0), (TF2, TF1, TF1, TF15, TF0),
	13534. (TF0, TF0, TF0, TF16, TF0), (TF1, TF0, TF0, TF16, TF0), (TF2, TF1, TF1, TF16, TF0),
	13535. (TF0, TF0, TF0, TF17, TF0), (TF1, TF0, TF0, TF17, TF0), (TF2, TF1, TF1, TF17, TF0),
	13536. (TF0, TF0, TF0, TF18, TF0), (TF1, TF0, TF0, TF18, TF0), (TF2, TF1, TF1, TF18, TF0),
	13537. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	13538. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	13539. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	13540. (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	13541. (TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1),
	13542. (TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1),
	13543. (TF0, TF0, TF0, TF6, TF1), (TF1, TF0, TF0, TF6, TF1), (TF2, TF1, TF1, TF6, TF1),
	13544. (TF0, TF0, TF0, TF7, TF1), (TF1, TF0, TF0, TF7, TF1), (TF2, TF1, TF1,

	TF7, TF1),
	13545. (TF0, TF0, TF0, TF8, TF1), (TF1, TF0, TF0, TF8, TF1), (TF2, TF1, TF1, TF8, TF1),
	13546. (TF0, TF0, TF0, TF9, TF1), (TF1, TF0, TF0, TF9, TF1), (TF2, TF1, TF1, TF9, TF1),
	13547. (TF0, TF0, TF0, TF10, TF1), (TF1, TF0, TF0, TF10, TF1), (TF2, TF1, TF1, TF10, TF1),
	13548. (TF0, TF0, TF0, TF11, TF1), (TF1, TF0, TF0, TF11, TF1), (TF2, TF1, TF1, TF11, TF1),
	13549. (TF0, TF0, TF0, TF12, TF1), (TF1, TF0, TF0, TF12, TF1), (TF2, TF1, TF1, TF12, TF1),
	13550. (TF0, TF0, TF0, TF13, TF1), (TF1, TF0, TF0, TF13, TF1), (TF2, TF1, TF1, TF13, TF1),
	13551. (TF0, TF0, TF0, TF14, TF1), (TF1, TF0, TF0, TF14, TF1), (TF2, TF1, TF1, TF14, TF1),
	13552. (TF0, TF0, TF0, TF15, TF1), (TF1, TF0, TF0, TF15, TF1), (TF2, TF1, TF1, TF15, TF1),
	13553. (TF0, TF0, TF0, TF16, TF1), (TF1, TF0, TF0, TF16, TF1), (TF2, TF1, TF1, TF16, TF1),
	13554. (TF0, TF0, TF0, TF17, TF1), (TF1, TF0, TF0, TF17, TF1), (TF2, TF1, TF1, TF17, TF1),
	13555. (TF0, TF0, TF0, TF18, TF1), (TF1, TF0, TF0, TF18, TF1), (TF2, TF1, TF1, TF18, TF1))

6.10.3.4.1.44.2.2 Physical channel parameters

13556. PCH Downlink	13557. Midamble	256 chips
	13558. Codes and time slots	SF1 x 1 code x 12 time slots
	13559. Max. Number of data bits/radio frame	36400 bits
	13560. TFCI code word	32 bits
13561.	13562. 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

13563. TFCS size	13564. 30
13565. TFCS	13566. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 57.6 kbps RAB , DCCH)=
	13567. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	13568. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	13569. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	13570. (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	13571. (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	13572. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	13573. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	13574. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	13575. (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	13576. (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

13577.	D13578.	Midamble	512 chips
	13579.	Codes and time slots	{SF8 x 1 code + SF4 x 1 code} x 1 time slot
	13580.	Max. Number of data	1428 bits
	13581.	TFCI code word	16 bits
	13582.	TPC	2 bits
	13583.	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

13584. TFCS size	13585. 30
13586. TFCS	13587. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 57.6 kbps RAB , DCCH)=
	13588. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	13589. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	13590. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	13591. (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	13592. (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	13593. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	13594. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1,

ETSI

	TF1, TF1),
	13595. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	13596. (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	13597. (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

13598. PCH Downlink	13599. Midamble	512 chips
	13600. Codes and time slots	SF16 x 6 codes x 1 time slot
	13601. Max. Number of data bits/radio frame	1448 bits
	13602. TFCI code word	16 bits
	13603. 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

13604. TFCS size	13605. 30
13606. TFC	13607. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB ,

S	DCCH)=	
	13608.(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),	
	13609.(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),	
	13610.(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),	
	13611.(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),	
	13612.(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),	
	13613.(TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),	
	13614.(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),	
	13615.(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),	
	13616.(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),	
	13617.(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

13618.DPCH Downlink	13619.Midamble	256 chips
	13620.Codes and time slots	SF16 x 8 codes x 1 time slot
	13621.Max. Number of data bits/radio frame	2192 bits
	13622.TFCI code word	16 bits
	13623.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

13624. TFCS size	13625. 36
13626. TFCS	13627. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 128 kbps RAB , DCCH)= 13628. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0), 13629. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0), 13630. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0), 13631. (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0), 13632. (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0), 13633. (TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0), 13634. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1), 13635. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1), 13636. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1), 13637. (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1), 13638. (TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1), 13639. (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

13640. DPCH Downlink	13641. Midamble	256 chips
	13642. Codes and time slots	SF16 x 10 codes x 1 time slot
	13643. Max. Number of data bits/radio frame	2728 bits
	13644. TFCI code word	32 bits
	13645. 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

13646. TFCS size	13647. 48
13648. TFCS	13649. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 384 kbps RAB , DCCH)=
	13650. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	13651. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	13652. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),

	13653.(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	13654.(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	13655.(TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	13656.(TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0),
	13657.(TF0, TF0, TF0, TF7, TF0), (TF1, TF0, TF0, TF7, TF0), (TF2, TF1, TF1, TF7, TF0),
	13658.(TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	13659.(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	13660.(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	13661.(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	13662.(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1),
	13663.(TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1),
	13664.(TF0, TF0, TF0, TF6, TF1), (TF1, TF0, TF0, TF6, TF1), (TF2, TF1, TF1, TF6, TF1),
	13665.(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

13666.PCH Downlink	13667.Midamble	256 chips	
	13668.Codes and time slots	SF16 x 10 codes x 3 time slots	
	13669.Max. Number of data bits/radio frame	8248 bits	
	13670.TFCI code word	32 bits	
13671.	13672.Puncturing limit	0,64	

6.10.3.4.1.49 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

6.10.3.4.1.49.1 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

13673. TFCS size	13674. 12
13675. TFCS	13676. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB , DCCH)= 13677. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0), 13678. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0), 13679. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1), 13680. (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

13681. I	13682.	Midamble	256 chips
	13683.	Codes and time slots	SF2 x 1 code x 1 time slot
	13684.	Max. Number of data	2064 bits
	13685.	TFCI code word	16 bits
	13686.	TPC	2 bits
	13687.	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

13688. TFCS size	13689. 12
13690. TFCS	13691. (RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB , DCCH)=
	13692. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	13693. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	13694. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	13695. (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

13696. DPCH Downlink	13697. Midamble	256 chips
	13698. Codes and time slots	SF16 x 8 codes x 1 time slot
	13699. Max. Number of data bits/radio frame	2192 bits
	13700. TFCI code word	16 bits
	13701. 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

13702. TFCS size	13703. 8
13704. TFCS	13705. (64 kbps RAB, 64 kbps RAB, DCCH)= 13706. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF0, TF1, TF0), (TF1, TF1, TF0) 13707. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF0, TF1, TF1), (TF1, TF1, TF1)

6.10.3.4.1.50.1.2   Physical channel parameters

13708.	13709.	Midamble	512 chips
	13710.	Codes and time slots	SF1 x 1 code x 1time slot
	13711.	Max. Number of data	3616 bits
	13712.	TFCI code word	16 bits
	13713.	TPC	2 bits
	13714.	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

13715. TFCS size	13716. 8
13717. TFCS	13718. (64 kbps RAB, 64 kbps RAB, DCCH)= 13719. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF0, TF1, TF0), (TF1, TF1, TF0) 13720. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF0, TF1, TF1), (TF1, TF1, TF1)

6.10.3.4.1.50.2.2   Physical channel parameters

13721. PCH Downlink	13722. Midamble	512 chips
	13723. Codes and time slots	SF16 x 11 codes x 1 time slot
	13724. Max. Number of data bits/radio frame	2668 bits
	13725. TFCI code word	16 bits
	13726. 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

13727. TFCS size	13728. 20
13729. TFC	13730. (Conv. 64 kbps RAB, I/B 64 kbps RAB, DCCH)= 13731. (TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF0, TF3, TF0), (TF0,

S	TF4, TF0),
	13732.(TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF1, TF3, TF0), (TF1, TF4, TF0),
	13733.(TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF0, TF3, TF1), (TF0, TF4, TF1),
	13734.(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

13735. I	13736.	Midamble	`256 chips`
	13737.	Codes and time slots	`SF2 x 1 code x 1 time slot`
	13738.	Max. Number of data	`2064 bits`
	13739.	TFCI code word	`16 bits`
	13740.	TPC	`2 bits`
	13741.	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

13742.TFCS size	13743.20
13744.TFCS	13745.(Conv. 64 kbps RAB, I/B 64 kbps RAB, DCCH)=
	13746.(TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF0, TF3, TF0), (TF0, TF4, TF0),
	13747.(TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF1, TF3, TF0), (TF1,

	TF4, TF0),		
	13748.(TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF0, TF3, TF1), (TF0, TF4, TF1),		
	13749.(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

13750.DPCHDownlink	13751.Midamble	256 chips
	13752.Codes and time slots	SF16 x 8 codes x 1 time slot
	13753.Max. Number of data bits/radio frame	2192 bits
	13754.TFCI code word	16 bits
	13755.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

13756.TFCS size	13757.20
13758.TFCS	13759.(Conv. 64 kbps RAB, I/B 128 kbps RAB, DCCH)= 13760.(TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF0, TF3, TF0), (TF0, TF4, TF0),

	13761. (TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF1, TF3, TF0), (TF1, TF4, TF0),
	13762. (TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF0, TF3, TF1), (TF0, TF4, TF1),
	13763. (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

13764. DPCH Downlink	13765. Midamble	`512 chips`
	13766. Codes and time slots	`{SF16 x 8 codes x 1 time slot} +` `{SF16 x 5 codes x 1 time slot}`
	13767. Max. Number of data bits/radio frame	`3156 bits`
	13768. TFCI code word	`16 bits`
13769.	13770. 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

13771. TFCS size	13772. 20
13773. TFCS	13774. (Conv. 64 kbps RAB, I/B 128kbps RAB, DCCH)= 13775. (TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF0, TF3, TF0), (TF0, TF4, TF0), 13776. (TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF1, TF3, TF0), (TF1,

	TF4, TF0), 13777. (TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF0, TF3, TF1), (TF0, TF4, TF1), 13778. (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

13779.	D13780.	Midamble	`512 chips`
	13781.	Codes and time slots	`{SF2 x 1 code x 1 time slot} + {SF16 x 1 code + SF4 x 1 code} x 1 time slot`
	13782.	Max. Number of data	`3154 bits`
	13783.	TFCI code word	`16 bits`
	13784.	TPC	`2 bits`
	13785.	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

13786. TFCS siz	13787. 50

	e	
13788. TFCS	13789. (I/B 128 kbps RAB, Str. 64 kbps RAB, DCCH)=	
	13790. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF0, TF0), (TF3, TF0, TF0), (TF4, TF0, TF0),	
	13791. (TF0, TF1, TF0), (TF1, TF1, TF0), (TF2, TF1, TF0), (TF3, TF1, TF0), (TF4, TF1, TF0),	
	13792. (TF0, TF2, TF0), (TF1, TF2, TF0), (TF2, TF2, TF0), (TF3, TF2, TF0), (TF4, TF2, TF0),	
	13793. (TF0, TF3, TF0), (TF1, TF3, TF0), (TF2, TF3, TF0), (TF3, TF3, TF0), (TF4, TF3, TF0),	
	13794. (TF0, TF4, TF0), (TF1, TF4, TF0), (TF2, TF4, TF0), (TF3, TF4, TF0), (TF4, TF4, TF0),	
	13795. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF0, TF1), (TF3, TF0, TF1), (TF4, TF0, TF1),	
	13796. (TF0, TF1, TF1), (TF1, TF1, TF1), (TF2, TF1, TF1), (TF3, TF1, TF1), (TF4, TF1, TF1),	
	13797. (TF0, TF2, TF1), (TF1, TF2, TF1), (TF2, TF2, TF1), (TF3, TF2, TF1), (TF4, TF2, TF1),	
	13798. (TF0, TF3, TF1), (TF1, TF3, TF1), (TF2, TF3, TF1), (TF3, TF3, TF1), (TF4, TF3, TF1),	
	13799. (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

13800. DPCH Downlink	13801. Midamble	512 chips
	13802. Codes and time slots	{SF16 x 8 codes x 1 time slot} + {SF16 x 5 codes x 1 time slot}
	13803. Max. Number of data bits/radio frame	3140 bits
	13804. TFCI code word	32 bits
13805.	13806. 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

13807. TFCS size	13808. 60
13809. TFCS	13810. (I/B 128 kbps RAB, Str. 128 kbps RAB, DCCH)=
	13811. (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF0, TF0), (TF3, TF0, TF0), (TF4, TF0, TF0),
	13812. (TF0, TF1, TF0), (TF1, TF1, TF0), (TF2, TF1, TF0), (TF3, TF1, TF0), (TF4, TF1, TF0),
	13813. (TF0, TF2, TF0), (TF1, TF2, TF0), (TF2, TF2, TF0), (TF3, TF2, TF0), (TF4, TF2, TF0),
	13814. (TF0, TF3, TF0), (TF1, TF3, TF0), (TF2, TF3, TF0), (TF3, TF3, TF0), (TF4, TF3, TF0),
	13815. (TF0, TF4, TF0), (TF1, TF4, TF0), (TF2, TF4, TF0), (TF3, TF4, TF0), (TF4, TF4, TF0),
	13816. (TF0, TF5, TF0), (TF1, TF5, TF0), (TF2, TF5, TF0), (TF3, TF5, TF0), (TF4, TF5, TF0),
	13817. (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF0, TF1), (TF3, TF0, TF1), (TF4, TF0, TF1),
	13818. (TF0, TF1, TF1), (TF1, TF1, TF1), (TF2, TF1, TF1), (TF3, TF1, TF1), (TF4, TF1, TF1),
	13819. (TF0, TF2, TF1), (TF1, TF2, TF1), (TF2, TF2, TF1), (TF3, TF2, TF1), (TF4, TF2, TF1),
	13820. (TF0, TF3, TF1), (TF1, TF3, TF1), (TF2, TF3, TF1), (TF3, TF3, TF1), (TF4, TF3, TF1),
	13821. (TF0, TF4, TF1), (TF1, TF4, TF1), (TF2, TF4, TF1), (TF3, TF4, TF1), (TF4, TF4, TF1)
	13822. (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

13823.IP CH Downlink	13824.Midamble	256 chips
	13825.Codes and time slots	SF16 x 8 codes x 1 time slot
	13826.Max. Number of data bits/radio frame	2176 bits
	13827.TFCI code word	32 bits
	13828.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

138	13831.RAB/Signalling RB	**RAB**	**SRB#5**
138			
138	13833.Logical channel type	DTCH	SHCCH
	13834.RLC mode	AM	TM
	13835.Payload sizes, bit	320	168
	13836.Max data rate, bps	64000	16800
	13837.AMD/TrD PDU header, bit	16	0
138	13839.MAC header, bit	0	0
	13840.MAC multiplexing	N/A	N/A
138	13842.TrCH type	USCH	USCH
	13843.TB sizes, bit	336	168
13	13845.TF0, bits	0x336	0x168
	13846.TF1, bits	1x336	1x168

	13847. TF2, bits	`2x336`	`N/A`
	13848. TF3, bits	`3x336`	`N/A`
	13849. TF4, bits	`4x336`	`N/A`
13850. TTI, ms		`20`	`10`
13851. Coding type		`TC`	`CC 1/2`
13852. CRC, bit		`16`	`16`
13853. Max number of bits/TTI after channel coding		`4236`	`384`
13854. Max number of bits/radio frame before rate matching		`2118`	`384`
13855. RM attribute		`135-175`	`180-220`

6.10.3.4.2.1.1.1.2 TFCS for USCH

13856. TFCS size	13857. 10
13858. TFCS	13859. (64 kbps RAB, SHCCH)= 13860. (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

		SRB#0	**SRB#1**	**SRB#2**	**SRB#3**	**SRB#4**	**SRB#5**
	13862. RAB/signalling RB						
	13863. User of Radio Bearer	`RRC`	`RRC`	`RRC`	`NAS_DT High prio`	`NAS_DT Low prio`	`RRC`
	13865. Logical channel type	`CCCH`	`DCCH`	`DCCH`	`DCCH`	`DCCH`	`SHCCH`
	13866. RLC mode	`TM`	`UM`	`AM`	`AM`	`AM`	`TM`

			SRB#0	**SRB#1**	**SRB#2**	**SRB#3**	**SRB#4**	**SRB#5**
		13862. RAB/signalling RB						
		13863. User of Radio Bearer	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio	RRC
		13867. Payload sizes, bit	168	136	128	128	128	168
		13868. Max data rate, bps	16800	13600	12800	12800	12800	16800
		13869. AMD/ UMD /TrD PDU header, bit	0	8	16	16	16	0
MAC		13870. MAC header, bit	2	26	26	26	26	2
		13871. MAC multiplexing	6 logical channel multiplexing					
		13873. TrCH type	RACH					
		13874. TB sizes, bit	170	170	170	170	170	170
		1	1x170					
		13877. TTI, ms	10					

13862. RAB/signalling RB	**SRB#0**	**SRB#1**	**SRB#2**	**SRB#3**	**SRB#4**	**SRB#5**
13863. User of Radio Bearer	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio	RRC
13878. Coding type	CC ½					
13879. CRC, bit	16					
13880. 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

13881. P	13882. Midamble	512 chips
	13883. Codes and time slots	{SF16 x 1 code + SF4 x 1 code} x 1 time slot
	13884. Max. Number of data	1202 bits
	13885. TFCI code word	16 bits
	13886. TPC	2 bits
	13887. Puncturing Limit	0.48

13888. RACH	13889. Midamble	13890. 512 chips
	13891. Codes and time slots	13892. SF8 (alt. SF16) x 1 code x 1 time slot
	13893. Max. Number of data bits/radio frame	13894. 464 (alt. 232)

ETSI

	13895. Puncturing Limit	13896. 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

138	13899. RAB/Signalling RB	**RAB**	**SRB#5**
138			
139	13901. Logical channel type	DTCH	SHCCH
	13902. RLC mode	AM	UM
	13903. Payload sizes, bit	320	160
	13904. Max data rate, bps	256000	16000
	13905. AMD/UMD PDU header, bit	16	8
139	13907. MAC header, bit	0	0
	13908. MAC multiplexing	N/A	N/A
139	13910. TrCH type	DSCH	DSCH
	13911. TB sizes, bit	336	168
	13 13913. TF0, bits	0x336	0x168
	13914. TF1, bits	1x336	1x168
	13915. TF2, bits	2x336	N/A
	13916. TF3, bits	4x336	N/A
	13917. TF4, bits	8x336	N/A
	13918. TF5, bits	N/A (alt. 12x336)	N/A
	13919. TF6, bits	N/A (alt. 16x336)	N/A
	13920. TTI, ms	10 (alt. 20)	10
	13921. Coding type	TC	CC 1/2
	13922. CRC, bit	16	16

	13923. Max number of bits/TTI after channel coding	`8460 (alt. 16908)`	`384`
	13924. Downlink: Max number of bits/radio frame before rate matching	`8460 (alt. 8454)`	`384`
	13925. RM attribute	`135-175`	`180-220`

6.10.3.4.2.1.2.1.2 TFCS for DSCH

13926. TFCS size	13927. 10 (alt. 14)
13928. TFCS	13929. (256 kbps RAB, SHCCH)= 13930. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1) 13931. (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

		13933.RAB/signalling RB	**SRB#0**	**SRB#1**	**SRB#2**	**SRB#3**	**SRB#4**	**SRB#5**	**SRB#6**
		13934.User of Radio Bearer	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio	RRC	RRC
		13936.Logical channel type	CCCH	DCCH	DCCH	DCCH	DCCH	SHCCH	BCCH
		13937.RLC mode	UM	UM	AM	AM	AM	UM	TM
		13938.Payload sizes, bit	160	136 or 120 (note)	128	128	128	160	168
		13939.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)

		13940. A MD/ UMD /TrD PDU heade r, bit	8	8	16	16	16	8	0
MAC		13941. M AC heade r, bit	3	27 or 43	27	27	27	3	3
		13942. M AC multi plexi ng	7 logical channel multiplexing						
		13944. Tr CH type	FACH						
		13945. TB sizes, bit	171	171	171	171	171	171	171
		1	0x171						

1 1x171

1 2x171

1 3x171

1 4x171

	1	N/A (alt. 5x171)						
	1	N/A (alt. 6x171)						
13957. TTI, ms	20							
13958. Coding type	CC 1/2							
13959. CRC, bit	16							
13960. Max number of bits/TTI after channel coding	1528 (alt. 2292)	1528 (alt. 2292)	1528 (alt. 2292)	1528 (alt. 2292)	1528 (alt. 2292)	1528 (alt. 2292)	1528 (alt. 2292)	

	13962.Max number of bits/radio frame before rate matching	764 (alt. 1146)	764 (alt. 1146)	764 (alt. 1146)	764 (alt. 1146)	764 (alt. 1146)	764 (alt. 1146)	764 (alt. 1146)

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

13963. TFCS size	13964. 5 (alt. 7)
13965. TFCS	13966. 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

13967. PDSCH	13968. Midamble	256 chips
	13969. Codes and time slots	SF16 x 8 codes x 2 time slots
	13970. Max. Number of data bits/radio frame	4400 bits
	13971. TFCI code word	16 bits
	13972. Puncturing Limit	0.48

13973. SCCPCH (burst type 1)	13974. Midamble	512 chips
	13975. Codes and time slots	SF16 x 5 codes x 1 time slot
	13976. Max. Number of data bits/radio frame	1204 bits
	13977. TFCI code word	16 bits
	13978. Puncturing Limit	1

13979. SCCPCH (burst type 2)	13980. Midamble	256 chips
	13981. Codes and time slots	SF16 x 5 codes x 1 time slot
	13982. Max. Number of data bits/radio frame	1364 bits
	13983. TFCI code word	16 bits
	13984. 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

			RAB	**SRB#5**
139	13987.	RAB/Signalling RB		
139	13989.	Logical channel type	DTCH	SHCCH
	13990.	RLC mode	AM	UM
	13991.	Payload sizes, bit	320	160
	13992.	Max data rate, bps	384000	16000
	13993.	AMD/UMD PDU header, bit	16	8
139	13995.	MAC header, bit	0	0
	13996.	MAC multiplexing	N/A	N/A
139	13998.	TrCH type	DSCH	DSCH
	13999.	TB sizes, bit	336	168
	14	14001. TF0, bits	0x336	0x168
		14002. TF1, bits	1x336	1x168
		14003. TF2, bits	2x336	N/A
		14004. TF3, bits	4x336	N/A
		14005. TF4, bits	8x336	N/A
		14006. TF5, bits	12x336	N/A
		14007. TF6, bits	N/A (alt. 16x336)	N/A
		14008. TF7, bits	N/A (alt. 20x336)	N/A

14009. TF8, bits	`N/A (alt. 24x336)`	`N/A`
14010. TTI, ms	`10 (alt. 20)`	`10`
14011. Coding type	`TC`	`CC 1/2`
14012. CRC, bit	`16`	`16`
14013. Max number of bits/TTI after channel coding	`12684 (alt. 25356)`	`384`
14014. Downlink: Max number of bits/radio frame before rate matching	`12684 (alt. 12678)`	`384`
14015. RM attribute	`135-175`	`180-220`

6.10.3.4.2.2.2.1.2 TFCS for DSCH

14016. TFCS size	14017. 12 (alt. 18)
14018. TFCS	14019. (384 kbps RAB, SHCCH)= 14020. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1) 14021. (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.

6.10.3.4.2.2.2.2 Physical channel parameters

14022. PDSCH	14023. Midamble	14024. 256 chips
	14025. Codes and time slots	14026. SF16 x 8 codes x 3 time slots
	14027. Max. Number of data bits/radio frame	14028. 6608 bits
	14029. TFCI code word	14030. 16 bits
	14031. Puncturing Limit	14032. 0.48

14033. SCCPCH (burst type 1)	14034. Midamble	14035. 512 chips
	14036. Codes and time slots	14037. SF16 x 5 codes x 1 time slot
	14038. Max. Number of data bits/radio frame	14039. 1204 bits
	14040. TFCI code word	14041. 16 bits
	14042. Puncturing Limit	14043. 1

14044. SCCPCH (burst type 2)	14045. Midamble	14046. 256 chips
	14047. Codes and time slots	14048. SF16 x 5 codes x 1 time slot
	14049. Max. Number of data bits/radio frame	14050. 1364 bits
	14051. TFCI code word	14052. 16 bits
	14053. Puncturing Limit	14054. 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

140	14057. RAB/Signalling RB	**RAB**	**SRB#5**
140			
140	14059. Logical channel type	DTCH	SHCCH

				AM	UM
		14060. RLC mode		AM	UM
		14061. Payload sizes, bit		640	160
		14062. Max data rate, bps		2048000	16000
		14063. AMD/UMD PDU header, bit		16	8
140		14065. MAC header, bit		0	0
		14066. MAC multiplexing		N/A	N/A
140		14068. TrCH type		DSCH	DSCH
		14069. TB sizes, bit		656	168
	14	14071. TF0, bits		0x656	0x168
		14072. TF1, bits		1x656	1x168
		14073. TF2, bits		2x656	N/A
		14074. TF3, bits		4x656	N/A
		14075. TF4, bits		8x656	N/A
		14076. TF5, bits		12x656	N/A
		14077. TF6, bits		16x656	N/A
		14078. TF7, bits		20x656	N/A
		14079. TF8, bits		24x656	N/A
		14080. TF9, bits		28x656	N/A
		14081. TF10, bits		32x656	N/A
140		14083. TF11, bits		N/A (alt. 36x656)	N/A
140		14085. TF12, bits		N/A (alt. 40x656)	N/A
140		14087. TF13, bits		N/A (alt. 44x656)	N/A
140		14089. TF14, bits		N/A (alt. 48x656)	N/A
140		14091. TF15, bits		N/A (alt. 52x656)	N/A
140		14093. TF16, bits		N/A (alt. 56x656)	N/A
140		14095. TF17, bits		N/A (alt. 60x656)	N/A
140		14097. TF18, bits		N/A (alt. 64x656)	N/A
		14098. TTI, ms		10 (alt. 20)	10
		14099. Coding type		TC	CC ½
		14100. CRC, bit		16	16
		14101. Max number of bits/TTI after channel coding		64524 (alt. 129036)	384

14102. Downlink: Max number of bits/radio frame before rate matching	`64524 (alt. 64518)`	`384`
14103. RM attribute	`135-175`	`180-220`

6.10.3.4.2.3.2.1.2 TFCS for DSCH

14104. TFCS size	14105. 22 (alt. 38)
14106. TFCS	14107. (2048 kbps RAB, SHCCH)= 14108. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7, TF0), (TF8, TF0), (TF9, TF0), (TF10, TF0), 14109. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1), (TF8, TF1), (TF9, TF1), (TF10, TF1) 14110. (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), 14111. (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

14112. PDSCH	14113. Midamble	14114. 256 chips
	14115. Codes and time slots	14116. SF16 x 12 codes x 11 time slots
	14117. Max. Number of data bits/radio frame	14118. 36416 bits (alt. 36400 bits)
	14119. TFCI code word	14120. 16 bits (alt. 32 bits)
	14121. Puncturing Limit	14122. 0.56

14123. S	14124. Midamble	14125. 512 chips

	14126. Codes and time slots	14127. SF16 x 5 codes x 1 time slot
C C P C H (b ur st ty pe 1)	14128. Max. Number of data bits/radio frame	14129. 1204 bits
	14130. TFCI code word	14131. 16 bits
	14132. Puncturing Limit	14133. 1

	14135. Midamble	14136. 256 chips
14134. S C C P C H (b ur st ty pe 2)	14137. Codes and time slots	14138. SF16 x 5 codes x 1 time slot
	14139. Max. Number of data bits/radio frame	14140. 1364 bits
	14141. TFCI code word	14142. 16 bits
	14143. Puncturing Limit	14144. 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

			SRB#0	SRB#5
		14146. RAB/signalling RB		
		14148. User of Radio Bearer	RRC	RRC
		14150. Logical channel type	CCCH	SHCCH
		14151. RLC mode	TM	TM
		14152. Payload sizes, bit	168	168
		14153. Max data rate, bps	16800	16800
		14154. TrD PDU header, bit	0	0
MAC		14155. MAC header, bit	2	2
		14156. MAC multiplexing	2 logical channel multiplexing	
		14158. TrCH type	RACH	
		14159. TB sizes, bit	170	
		14161. TF 0, bits	1x170	
		14162. TTI, ms	10	
		14163. Coding type	CC 1/2	
		14164. CRC, bit	16	
		14165. Max number of bits/TTI after channel coding	388	

#### 6.10.3.4.3.1.1.2	Physical channel parameters

Physical channel parameters for uplink DPCH see clause 6.10.3.4.1.4.1.2.

Physical channel parameters for PUSCH see clause 6.10.3.4.2.1.1.2.

Physical channel parameters for PRACH see clause 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

141	14168. RAB/Signalling RB	SRB#0	SRB#5	SRB#6
	14169. User of Radio Bearer	RRC	RRC	RRC
141				
141	14171. Logical channel type	CCCH	SHCCH	BCCH
	14172. RLC mode	UM	UM	TM
	14173. Payload sizes, bit	160	160	168
	14174. Max data rate, bps	32000	32000	33600

		14175. UMD/TrD PDU header, bit	8	8	0
	14	14177. MAC header, bit	3		
		14178. MAC multiplexing	3 logical channel multiplexing		
		14180. TrCH type	FACH		
		14181. TB sizes, bit	171		
		14183. TF0, bits	0x171		
		14184. TF1, bits	1x171		
	14	14185. TF2, bits	2x171		
14		14186. TF3, bits	3x171		
		14187. TF4, bits	4x171		
		14188. TTI, ms	10		
		14189. Coding type	CC 1/2		
		14190. CRC, bit	16		
		14191. Max number of bits/TTI after channel coding	1528		
		14192. Max number of bits/radio frame before rate matching	764		

6.10.3.4.3.1.2.1.7   TFCS for FACH

14193. TFCS size	5
14194. 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 clause 6.10.3.4.1.4.2.2.

Physical channel parameters for downlink PDSCH see clause 6.10.3.4.2.1.2.2.

Physical channel parameters for SCCPCH see clause 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 clause 6.10.3.4.1.4.2.2.

Physical channel parameters for PDSCH see clause 6.10.3.4.2.2.2.2.2.

Physical channel parameters for SCCPCH see clause 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 clause 6.10.3.4.1.4.2.2.

Physical channel parameters for PDSCH see clause 6.10.3.4.2.3.2.2.

Physical channel parameters for SCCPCH see clause 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

14195. Higher layer	14196. RAB/signalling RB		**SRB**
	14197. User of Radio Bearer		RRC
14198. RLC	14199. Logical channel type		PCCH
	14200. RLC mode		TM
	14201. Payload sizes, bit		240 (alt. 80)
	14202. Max data rate, bps		24000 (alt. 8000)
	14203. TrD PDU header, bit		0
14204. MAC	14205. MAC header, bit		0
	14206. MAC multiplexing		N/A
14207. Layer 1	14208. TrCH type		PCH
	14209. TB sizes, bit		240 (alt. 80)
	14210. TFS	14211. TF0, bts	0x240 (alt. 0x80)
		14212. TF1, bits	1x240 (alt. 1x80)
		14213. TF2, bits	2x240 (alt.2x80)
	14214. TTI, ms		20
	14215. Coding type		CC 1/2
	14216. CRC, bit		16
	14217. Max number of bits/TTI before rate matching		1056 (alt. 400)

	14218. Max number of bits/radio frame before rate matching	528 (alt. 200)
	14219. RM attribute	210-250

6.10.3.4.4.1.1.2 TFCS

14220. TFCS size	14221. 3
14222. TFCS	14223. SRBs for PCCH = TF0, TF1, TF2

6.10.3.4.2.1.2 Physical channel parameters

14224. S-CCPCH	14225. Midamble	512 chips
	14226. Codes and time slots	SF16 x 2 codes x 1 time slot
	14227. Max. Number of data bits/radio frame	472 bits
	14228. TFCI code word	16 bits
	14229. 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

	14231. RAB/signalling RB	RAB
	14232. User of Radio Bearer	Interactive/ Background RAB
	14234. Logical channel type	DTCH
	14235. RLC mode	AM

		14236. Payload sizes, bit	`320`				
		14237. Max data rate, bps	`32000`				
		14238. AMD PDU header, bit	`16`				
	1	14240. MAC header, bit	`27`				
		14241. MAC multiplexing	`N/A`				
	1	14243. TrCH type	`FACH`				
		14244. TB sizes, bit	`363`				
		14245. TFS / 14246. TF0, bits	`0 x363`				
		14247. TF1, bits	`1x363`				
		14248. TF2, bits	`2x 363`				
		14249. TTI, ms	`20`				
		14250. Coding type	`TC`				
		14251. CRC, bit	`16`				
		14252. Max number of bits/TTI before rate matching	`2286`				
		14253. Max number of bits/radio frame before rate matching	`1143`				
		14254. 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

			SRB#0	SRB#1	SRB#2	SRB#3	SRB#4	SRB#5
	1	14256. RAB/signalling RB	`SRB#0`	`SRB#1`	`SRB#2`	`SRB#3`	`SRB#4`	`SRB#5`
		14257. User of Radio Bearer	`RRC`	`RRC`	`RRC`	`NAS_DT High prio`	`NAS_DT Low prio`	`RRC`
	1	14259. Logical channel type	`CCCH`	`DCCH`	`DCCH`	`DCCH`	`DCCH`	`BCCH`
		14260. RLC mode	`UM`	`UM`	`AM`	`AM`	`AM`	`TM`
		14261. Payload sizes, bit	`160`	`136 or 120 (note)`	`128`	`128`	`128`	`168`

		14262. Max data rate, bps	32000 (alt. 48000)	27200 or 2400 (alt. 40800 or 36000)	25600 (alt. 38400)	25600 (alt. 38400)	25600 (alt. 38400)	33600 (alt. 50400)
		14263. AMD/UMD /TrD PDU header, bit	8	8	16	16	16	0
	1	14265. MAC header, bit	3	27 or 43	27	27	27	3
		14266. MAC multiplexing	6 logical channel multiplexing					
	1	14268. TrCH type	FACH					
		14269. TB sizes, bit	171					
		142	14271. F0, bits	0x171					
			14272. F1, bits	1x171					
			14273. F2, bits	2x171					
			14274. F3, bits	3x171					

		14275.F4, bits	4x171
		14276.F5, bits	N/A (alt. 5x171)

NOTE:	MAC header size and RLC payload size depend on use of U-RNTI or C-RNTI.		
		14277.F6, bits	N/A (alt. 6x171)
		14278.TTI, ms	20
		14279.Coding type	CC ½
		14280.CRC, bit	16
		14281.Max number of bits/TTI before rate matching	1528 (alt. 2292)
1		14283.Max number of bits/radio frame before rate matching	764 (alt.1146)
1		14285.RM attribute	200-240

6.10.3.4.4.2.1.3 TFCS

	14286.TFCS	14287.15 (alt. 21)

siz e		
14288. T FC S	14289. (32kbps RAB, SRBs for CCCH/DCCH/BCCH) = 14290. (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) 14291. (alt. (TF0, TF0), (TF0, TF1), (TF0, TF2), (TF0, TF3), (TF0, TF4), (TF0, TF5), (TF0, TF6), 14293. (TF1, TF0), (TF1, TF1), (TF1, TF2), (TF1, TF3), (TF1, TF4), (TF1, TF5), (TF1, TF6), 14294. (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):

14295. S - C C P C H	14296. Midamble	512 chips
	14297. Codes and time slots	SF16 x 6 codes x 1 time slot
	14298. Max. Number of data bits/radio frame	1448 bits
	14299. TFCI code word	16 bits
	14300. Puncturing limit	0,6

(burst type 2):

14301. S - C C P C H	14302. Midamble	256 chips
	14303. Codes and time slots	SF16 x 6 codes x 1 time slot
	14304. Max. Number of data bits/radio frame	1640 bits
	14305. TFCI code word	16 bits
	14306. 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

14307. TFCS size	14308. 45 (alt.63)
14309. TFCS	14310. (32 kbps RAB, SRB for PCCH, SRBs for CCCH/ DCCH/ BCCH) = 14311. (TF0, 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, TF2, TF3), (TF2, TF2, TF4) 14312. (alt. (TF0, TF0, TF0), (TF0, TF0, TF1), (TF0, TF0, TF2), (TF0, TF0, TF3), (TF0, TF0, TF4), (TF0, TF0, TF5), (TF0, TF0, TF6),(TF0, TF1, TF0), (TF0, TF1, TF1), (TF0, TF1, TF2), (TF0, TF1, TF3), (TF0, TF1, TF4), (TF0, TF1, TF5), (TF0, TF1, TF6),(TF0, TF2, TF0), (TF0, TF2, TF1), (TF0, TF2, TF2), (TF0, TF2, TF3), (TF0, TF2, TF4), (TF0, TF2, TF5), (TF0, TF2, TF6), 14313. (TF1, TF0, TF0), (TF1, TF0, TF1), (TF1, TF0, TF2), (TF1, TF0, TF3), (TF1, TF0, TF4), (TF1, TF0, TF5), (TF1, TF0, TF6),(TF1, TF1, TF0), (TF1, TF1, TF1), (TF1, TF1, TF2), (TF1, TF1, TF3), (TF1, TF1, TF4), (TF1, TF1, TF5), (TF1, TF1, TF6),(TF1, TF2, TF0), (TF1, TF2, TF1), (TF1, TF2, TF2), (TF1, TF2, TF3), (TF1, TF2, TF4), (TF1, TF2, TF5), (TF1, TF2, TF6), 14314. (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, TF2, TF0), (TF2, TF2, TF1), (TF2, TF2, TF2), (TF2, TF2, TF3), (TF2, TF2, TF4), (TF2, TF2, TF5) (TF2, TF2, TF6)) 14315.

6.10.3.4.4.3.2 Physical channel parameters

(burst type 1):

14316. S-CCPCH	14317. Midamble	512 chips
	14318. Codes and time slots	SF16 x 8 codes x 1 time slot
	14319. Max. Number of data bits/radio frame	1920 bits
	14320. TFCI code word	32 bits
	14321. Puncturing limit	0,68

(burst type 2):

14322.S-CCPCH	14323. Midamble	256 chips
	14324. Codes and time slots	SF16 x 7 codes x 1 time slot
	14325. Max. Number of data bits/radio frame	1900 bits
	14326. TFCI code word	32 bits
	14327. 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

			SRB#0	**SRB#1**	**SRB#2**	**SRB#3**	**SRB#4**
		14329. RAB/signalling RB					
		14330. User of Radio Bearer	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio
		14332. Logical channel type	CCCH	DCCH	DCCH	DCCH	DCCH
		14333. RLC mode	TM	UM	AM	AM	AM
		14334. Payload sizes, bit	168	136	128	128	128
		14335. Max data rate, bps	16800	13600	12800	12800	12800

	14336.AMD/UMD/TrDPDU header, bit	0	8	16	16	16
	14338.MAC header, bit	2	26	26	26	26
	14339.MAC multiplexing	5 logical channel multiplexing				
	14341.TrCH type	RACH				
	14342.TB sizes, bit	170	170	170	170	170
	1	1x170				
	14345.TTI, ms	10				
	14346.Coding type	CC ½				
	14347.CRC, bit	16				
	14348.Max number of bits/TTI after channel coding	388	388	388	388	388

	14349. Max number of bits/Radio frame before rate matching	388	388	388	388	388

6.10.3.4.5.1.1.2   TFCS

14350. TFCS size	14351. 1		
14352. TFCS	14353. SRBs for CCCH/ DCCH = TF0		

6.10.3.4.5.1.2   Physical channel parameters

14354. RACH	14355. Midamble	`512 chips`
	14356. Codes and time slots	`SF8 (alt. SF16) x 1 code x 1 time slot`
	14357. Max. Number of data bits/radio frame	`488 bits (alt. 244 bits)`
	14358. 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 attríbute 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:8 DL 8 kbps / PS RAB + UL:3.4 DL 3.4 kbps SRBs for DCCH (see TS 34.108 clause 6.10.2.4.1.23a) with the transport channels parameters of the RAB and TFCS defined as follows:

Transport channel parameters for the Uplink RAB

Higher layer	RAB/Signalling RB		RAB
14B	14360. Logical channel type		DTCH
	14361. RLC mode		UM
	14362. Payload sizes, bit		328
	14363. Max data rate, bps		8200
	14364. UMD PDU header, bit		8
14B	14366. MAC header, bit		0
	14367. MAC multiplexing		N/A
14B	14369. TrCH type		DCH
	14370. TB sizes, bit		336
	14	14372. TF0, bits	0x336
		14373. TF1, bits	1x336
		14374. TF2, bits	2x336 (note)
		14375. TF3, bits	3x336 (note)
		14376. TF4, bits	4x336 (note)
	14377. TTI, ms		40
	14378. Coding type		CC 1/3
	14379. CRC, bit		16
	14380. Max number of bits/TTI after channel coding		1080
	14381. Uplink: Max number of bits/radio frame before rate matching		270
	14382. RM attribute		135-175

TFCS

14383. TFCS size	14384. 4	
14385. TFCS	14386. (8 kbps RAB, DCCH)= 14387. (TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)	

Transport channel parameters for the Downlink RAB

Higher layer	RAB/Signalling RB			RAB
14B	14389. Logical channel type			DTCH
	14390. RLC mode			UM
	14391. Payload sizes, bit			328
	14392. Max data rate, bps			8200
	14393. UMD PDU header, bit			8
14B	14395. MAC header, bit			0
	14396. MAC multiplexing			N/A
14B	14398. TrCH type			DCH
	14399. TB sizes, bit			336
		14	14401. TF0, bits	0x336
			14402. TF1, bits	1x336
			14403. TF2, bits	2x336 (note)
			14404. TF3, bits	3x336 (note)
			14405. TF4, bits	4x336 (note)
	14406. TTI, ms			40
	14407. Coding type			CC 1/3
	14408. CRC, bit			16
	14409. Max number of bits/TTI after channel coding			1080
	14410. RM attribute			135-175

TFCS

14411. TFCS size	14412. 4
14413. TFCS	14414. (8 kbps RAB, DCCH)= 14415. (TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

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

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

Transport channel parameters for the Uplink RAB

Higher layer		RAB/Signalling RB	RAB
144		14417. Logical channel type	`DTCH`
		14418. RLC mode	`UM`
		14419. Payload sizes, bit	`1336`
		14420. Max data rate, bps	`66800`
		14421. UMD PDU header, bit	`8`
144		14423. MAC header, bit	`0`
		14424. MAC multiplexing	`N/A`
144		14426. TrCH type	`DCH`
		14427. TB sizes, bit	`1344`
	14	14429. TF0, bits	`0x1344`
		14430. TF1, bits	`1x1344`
		14431. TTI, ms	`20`
		14432. Coding type	`TC`
		14433. CRC, bit	`16`
		14434. Max number of bits/TTI after channel coding	`4092`
		14435. Uplink: Max number of bits/radio frame before rate matching	`2046`
		14436. RM attribute	`130-170`

Transport channel parameters for the Downlink RAB

Higher layer		RAB/Signalling RB	RAB
144		14438. Logical channel type	`DTCH`
		14439. RLC mode	`UM`
		14440. Payload sizes, bit	`1336`
		14441. Max data rate, bps	`66800`
		14442. UMD PDU header, bit	`8`

144	14444. MAC header, bit	`0`
	14445. MAC multiplexing	`N/A`
144	14447. TrCH type	`DCH`
	14448. TB sizes, bit	`1344`
14	14450. TF0, bits	`0x1344`
	14451. TF1, bits	`1x1344`
	14452. TTI, ms	`20`
	14453. Coding type	`TC`
	14454. CRC, bit	`16`
	14455. Max number of bits/TTI after channel coding	`4092`
	14456. RM attribute	`130-170`

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

Transport channel parameters for the Uplink RAB

Higher layer	RAB/Signalling RB	**RAB**
144	14458. Logical channel type	`DTCH`
	14459. RLC mode	`AM`
	14460. Payload sizes, bit	`128`
	14461. Max data rate, bps	`6400`
	14462. UMD PDU header, bit	`16`
144	14464. MAC header, bit	`0`
	14465. MAC multiplexing	`N/A`
144	14467. TrCH type	`DCH`
	14468. TB sizes, bit	`144`
14	14470. 0x144	`0x144`
	14471. 1x144	`1x144`
	14472. TTI, ms	`20`
	14473. Coding type	`CC 1/3`
	14474. CRC, bit	`16`
	14475. Max number of bits/TTI after channel coding	`504`

	14476. Uplink: Max number of bits/radio frame before rate matching	252
	14477. RM attribute	135-175

TFCS

14478. TFCS size	14479. 4	
14480. TFCS	14481. (RAB, DCCH)= 14482. (TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)	

Transport channel parameters for the Downlink RAB

Higher layer	RAB/Signalling RB	RAB
144	14484. Logical channel type	DTCH
	14485. RLC mode	AM
	14486. Payload sizes, bit	128
	14487. Max data rate, bps	6400
	14488. UMD PDU header, bit	16
144	14490. MAC header, bit	0
	14491. MAC multiplexing	N/A
144	14493. TrCH type	DCH
	14494. TB sizes, bit	144
	14	14496. 0x144	0x144
	14497. 1x144	1x144
	14498. TTI, ms	20
	14499. Coding type	CC 1/3
	14500. CRC, bit	16
	14501. Max number of bits/TTI after channel coding	504
	14502. RM attribute	135-175

TFCS

14503.TFCS size	14504.4	
14505.TFCS	14506.(RAB, DCCH)= 14507.(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)	

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

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

Transport channel parameters for the Uplink RAB

Higher layer	RAB/Signalling RB	RAB
145	14509.Logical channel type	DTCH
	14510.RLC mode	AM
	14511.Payload sizes, bit	1328
	14512.Max data rate, bps	66400
	14513.AMD PDU header, bit	16
145	14515.MAC header, bit	0
	14516.MAC multiplexing	N/A
145	14518.TrCH type	DCH
	14519.TB sizes, bit	1344
	14 14521.TF0, bits	0x1344
	14522.TF1, bits	1x1344
	14523.TTI, ms	20
	14524.Coding type	TC
	14525.CRC, bit	16
	14526.Max number of bits/TTI after channel coding	4092
	14527.Uplink: Max number of bits/radio frame before rate matching	2046

	14528. RM attribute	130-170

Transport channel parameters for the Downlink RAB

Higher layer	RAB/Signalling RB		RAB
145		14530. Logical channel type	DTCH
		14531. RLC mode	AM
		14532. Payload sizes, bit	1328
		14533. Max data rate, bps	66400
		14534. AMD PDU header, bit	16
145		14536. MAC header, bit	0
		14537. MAC multiplexing	N/A
145		14539. TrCH type	DCH
		14540. TB sizes, bit	1344
	14	14542. TF0, bits	0x1344
		14543. TF1, bits	1x1344
		14544. TTI, ms	20
		14545. Coding type	TC
		14546. CRC, bit	16
		14547. Max number of bits/TTI after channel coding	4092
		14548. RM attribute	130-170

6.11.5   Reference Radio Bearer configurations used in Radio Bearer testing for 1.28 Mcps TDD

6.11.5.1   RABs and signalling RBs

See clause 6.10.3.1.

6.11.5.2   Combinations of RABs and Signalling RBs

In this 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 32 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.

6.11.5.3   Example of linkage between RABs and services

See clause 6.10.3.3.

6.11.5.4   Typical radio parameter sets

6.11.5.4.1   Combinations on DPCH

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

6.11.5.4.1.1.1   Uplink

6.11.5.4.1.1.1.1   Transport channel parameters

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

See clause 6.10.3.4.1.1.1.1.1.

6.11.5.4.1.1.1.1.2   Physical channel parameters

14549.	14550.	Modulation	QPSK

14551.	Codes and time slots /	SF16 x 1 code x 2 time slots
14552.	Max. Number of data	164 bits
14553.	TFCI code word /	4 bits
14554.	TPC / radio frame	2x 2 bits
14555.	SS / radio frame	2x 2 bits
14556.	Puncturing Limit	1

6.11.5.4.1.1.2 Downlink

6.11.5.4.1.1.2.1 Transport channel parameters

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

See clause 6.10.3.4.1.1.2.1.1.

6.11.5.4.1.1.2.1.2 TFCS

See clause 6.10.3.4.1.1.2.1.2.

6.11.5.4.1.1.2.2 Physical channel parameters

14557.	D	14559.	Modulation	QPSK
		14560.	Codes and time slots /	SF16 x 1 code x 2 time slots
14558.	D	14561.	Max. Number of data	164 bits
		14562.	TFCI code word / radio	4 bits
		14563.	TPC / radio frame	2x 2 bits
		14564.	SS / radio frame	2x 2 bits
		14565.	Puncturing Limit	1

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

6.11.5.4.1.2.1 Uplink

6.11.5.4.1.2.1.1 Transport channel parameters

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.2.1.1.2   TFCS

See clause 6.10.3.4.1.2.1.1.2.

6.11.5.4.1.2.1.2   Physical channel parameters

14566.	14567.	Modulation	QPSK
	14568.	Codes and time slots /	SF16 x 1 code x 2 time slots
	14569.	Max. Number of data	164 bits
	14570.	TFCI code word /	4 bits
	14571.	TPC / radio frame	2x 2 bits
	14572.	SS / radio frame	2x 2 bits
	14573.	Puncturing Limit	1

6.11.5.4.1.2.2   Downlink

6.11.5.4.1.2.2.1   Transport channel parameters

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.2.2.1.2   TFCS

See clause 6.10.3.4.1.2.2.1.2.

6.11.5.4.1.2.2.2   Physical channel parameters

14574. D	14576.	Modulation	QPSK
14575. D	14577.	Codes and time slots /	SF16 x 1 code x 2 time slots
	14578.	Max. Number of data	164 bits
	14579.	TFCI code word / radio	4 bits
	14580.	TPC / radio frame	2x 2 bits
	14581.	SS / radio frame	2x 2 bits
	14582.	Puncturing Limit	1

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

6.11.5.4.1.3.1 Uplink

6.11.5.4.1.3.1.1 Transport channel parameters

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

See clause 6.10.3.4.1.3.1.1.1.

6.11.5.4.1.3.1.1.2 TFCS

See clause 6.10.3.4.1.3.1.1.2.

6.11.5.4.1.3.1.2 Physical channel parameters

14583.	14584.	Modulation	QPSK
	14585.	Codes and time slots /	SF8 x 1 code x 2 time slots
	14586.	Max. Number of data	340 bits
	14587.	TFCI code word /	4 bits
	14588.	TPC / radio frame	2x 2 bit
	14589.	SS / radio frame	2x 2 bit
	14590.	Puncturing Limit	0.64

6.11.5.4.1.3.2 Downlink

6.11.5.4.1.3.2.1 Transport channel parameters

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

See clause 6.10.3.4.1.3.2.1.1.

6.11.5.4.1.3.2.1.2 TFCS

See clause 6.10.3.4.1.3.2.1.2.

6.11.5.4.1.3.2.2 Physical channel parameters

14591. 14592.	14593.	Modulation	QPSK
	14594.	Codes and time slots /	SF 16 x 2 code x 2 time slots
	14595.	Max. Number of data	340 bits
	14596.	TFCI code word /	4 bits
	14597.	TPC / radio frame	2x 2 bits

	14598.	SS / radio frame	2x 2 bits
	14599.	Puncturing Limit	0.64

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

6.11.5.4.1.4.1 Uplink

6.11.5.4.1.4.1.1 Transport channel parameters

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

See clause 6.10.3.4.1.4.1.1.1.

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

See clause clause 6.10.3.4.1.2.1.1.

6.11.5.4.1.4.1.1.3 TFCS

See clause 6.10.3.4.1.4.1.1.3.

6.11.5.4.1.4.1.2 Physical channel parameters

14600.	14601.	Modulation	QPSK
	14602.	Codes and time slots /	SF8 x 1 code x 2 time slots
	14603.	Max. Number of data	328 bits
	14604.	TFCI code word /	16 bits
	14605.	TPC / radio frame	2x 2 bits
	14606.	SS / radio frame	2x 2 bits
	14607.	Puncturing Limit	0.60

6.11.5.4.1.4.2 Downlink

6.11.5.4.1.4.2.1 Transport channel parameters

6.11.5.4.1.4.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.4.2.1.3 TFCS

See clause 6.10.3.4.1.4.2.1.3.

6.11.5.4.1.4.2.2 Physical channel parameters

14608.	14610.	Modulation	QPSK
14609.	14611.	Codes and time slots /	SF 16 x 2 code x 2 time slots
	14612.	Max. Number of data	328 bits
	14613.	TFCI code word /	16 bits
	14614.	TPC / radio frame	2x 2 bits
	14615.	SS / radio frame	2x 2 bits
	14616.	Puncturing Limit	0.60

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

6.11.5.4.1.5.1 Uplink

6.11.5.4.1.5.1.1 Transport channel parameters

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

See clause 6.10.3.4.1.5.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.5.1.1.3 TFCS

See clause 6.10.3.4.1.5.1.1.3.

6.11.5.4.1.5.1.2 Physical channel parameters

14617.	14618.	Modulation	QPSK
	14619.	Codes and time slots /	SF 8 x 1 code x 2 time slots
	14620.	Max. Number of data	328 bits
	14621.	TFCI code word /	16 bits
	14622.	TPC / radio frame	2x 2 bits
	14623.	SS / radio frame	2x 2 bits
	14624.	Puncturing Limit	0.68

6.11.5.4.1.5.2 Downlink

6.11.5.4.1.5.2.1 Transport channel parameters

6.11.5.4.1.5.2.1.1 Transport channel parameters for Conversational / speech / DL:10.2 kbps / CS RAB

See clause 6.10.3.4.1.5.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.5.2.1.3 TFCS

See clause 6.10.3.4.1.5.2.1.3.

6.11.5.4.1.5.2.2 Physical channel parameters

14625.	14627.	Modulation	QPSK
14626.	14628.	Codes and time slots /	SF 16 x 2 code x 2 time slots
	14629.	Max. Number of data	328 bits
	14630.	TFCI code word /	16 bits
	14631.	TPC / radio frame	2x 2 bits
	14632.	SS / radio frame	2x 2 bits
	14633.	Puncturing Limit	0.68

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

6.11.5.4.1.6.1 Uplink

6.11.5.4.1.6.1.1 Transport channel parameters

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

See clause 6.10.3.4.1.6.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.6.1.1.3 TFCS

See clause 6.10.3.4.1.6.1.1.3.

6.11.5.4.1.6.1.2 Physical channel parameters

14634.	14635.	Modulation	QPSK

	14636.	Codes and time slots /	SF 8 x 1 code x 2 time slots
	14637.	Max. Number of data	328 bits
	14638.	TFCI code word /	16 bits
	14639.	TPC / radio frame	2x 2 bits
	14640.	SS / radio frame	2x 2 bits
	14641.	Puncturing Limit	0.80

6.11.5.4.1.6.2 Downlink

6.11.5.4.1.6.2.1 Transport channel parameters

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

See clause 6.10.3.4.1.6.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.6.2.1.3 TFCS

See clause 6.10.3.4.1.6.2.1.3.

6.11.5.4.1.6.2.2 Physical channel parameters

14642.	14644.	Modulation	QPSK
14643.	14645.	Codes and time slots/	SF 16 x 2 code x 2 time slots
	14646.	Max. Number of data	328 bits
	14647.	TFCI code word /	16 bits
	14648.	TPC / radio frame	2x 2 bits
	14649.	SS / radio frame	2x 2 bits
	14650.	Puncturing Limit	0.80

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

6.11.5.4.1.7.1 Uplink

6.11.5.4.1.7.1.1 Transport channel parameters

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

See clause 6.10.3.4.1.7.1.1.1

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.7.1.1.3 TFCS

See clause 6.10.3.4.1.7.1.1.3.

6.11.5.4.1.7.1.2 Physical channel parameters

14651.	14652.	Modulation	QPSK
	14653.	Codes and time slots/	SF 8 x 1 code x 2 time slots
	14654.	Max. Number of data	328 bits
	14655.	TFCI code word /	16 bits
	14656.	TPC / radio frame	2x 2 bits
	14657.	SS / radio frame	2x 2 bits
	14658.	Puncturing Limit	0.80

6.11.5.4.1.7.2 Downlink

6.11.5.4.1.7.2.1 Transport channel parameters

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

See clause 6.10.3.4.1.7.2.1.1

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

See clause 6.10.3.4.1.2.2.1.1

6.11.5.4.1.7.2.1.3 TFCS

See clause 6.10.3.4.1.7.2.1.3

6.11.5.4.1.7.2.2 Physical channel parameters

14659.	14661.	Modulation	QPSK

14660.	14662.	Codes and time slots /	SF 16 x 2 code x 2 time slots
	14663.	Max. Number of data	328 bits
	14664.	TFCI code word /	16 bits
	14665.	TPC / radio frame	2x 2 bits
	14666.	SS / radio frame	2x 2 bits
	14667.	Puncturing Limit	0.80

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

6.11.5.4.1.8.1 Uplink

6.11.5.4.1.8.1.1 Transport channel parameters

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

See clause 6.10.3.4.1.8.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1

6.11.5.4.1.8.1.1.3 TFCS

See clause 6.10.3.4.1.8.1.1.3.

6.11.5.4.1.8.1.2 Physical channel parameters

14668.	14669.	Modulation	QPSK
	14670.	Codes and time slots /	SF 8 x 1 code x 2 time slots
	14671.	Max. Number of data	328 bits
	14672.	TFCI code word /	16 bits
	14673.	TPC / radio frame	2x 2 bits
	14674.	SS / radio frame	2x 2 bits
	14675.	Puncturing Limit	0.88

6.11.5.4.1.8.2   Downlink

6.11.5.4.1.8.2.1   Transport channel parameters

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

See clause 6.10.3.4.1.8.2.1.1

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

See clause 6.10.3.4.1.2.2.1.1

6.11.5.4.1.8.2.1.3   TFCS

See clause 6.10.3.4.1.8.2.1.3

6.11.5.4.1.8.2.2   Physical channel parameters

14676.	14678.	Modulation	QPSK
14677.	14679.	Codes and time slots /	SF 16 x 2 code x 2 time slots
	14680.	Max. Number of data	328 bits
	14681.	TFCI code word /	16 bits
	14682.	TPC / radio frame	2x 2 bits
	14683.	SS / radio frame	2x 2 bits
	14684.	Puncturing Limit	0.88

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

6.11.5.4.1.9.1   Uplink

6.11.5.4.1.9.1.1   Transport channel parameters

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

See clause 6.10.3.4.1.9.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.9.1.1.3   TFCS

See clause 6.10.3.4.1.9.1.1.3.

6.11.5.4.1.9.1.2   Physical channel parameters

14685.	14686.	Modulation	QPSK

	14687.	Codes and time slots /	SF 8 x 1 code x 2 time slots
	14688.	Max. Number of data	328 bits
	14689.	TFCI code word /	16 bits
	14690.	TPC / radio frame	2x 2 bits
	14691.	SS / radio frame	2x 2 bits
	14692.	Puncturing Limit	0.92

6.11.5.4.1.9.2 Downlink

6.11.5.4.1.9.2.1 Transport channel parameters

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

See clause 6.10.3.4.1.9.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.9.2.1.3 TFCS

See clause 6.10.3.4.1.9.2.1.3

6.11.5.4.1.9.2.2 Physical channel parameters

14693.	14695.	Modulation	QPSK
14694.	14696.	Codes and time slots /	SF 16 x 2 code x 2 time slots
	14697.	Max. Number of data	328 bits
	14698.	TFCI code word /	16 bits
	14699.	TPC / radio frame	2x 2 bits
	14700.	SS / radio frame	2x 2 bits
	14701.	Puncturing Limit	0.92

6.11.5.4.1.10 Conversational / speech / UL:5.15 DL:5.15 kbps / CS RAB + UL:1.7 DL:1.7 kbps SRBs for DCCH

6.11.5.4.1.10.1 Uplink

6.11.5.4.1.10.1.1 Transport channel parameters

6.11.5.4.1.10.1.1.1 Transport channel parameters for Conversational / speech / UL:5.15 kbps / CS RAB

See clause 6.10.3.4.1.10.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.10.1.1.3 TFCS

See clause 6.10.3.4.1.10.1.1.3.

6.11.5.4.1.10.1.2 Physical channel parameters

14702.	14703.	Modulation	`QPSK`
	14704.	Codes and time slots/	`SF 8 x 1 code x 2 time slots`
	14705.	Max. Number of data	`328 bits`
	14706.	TFCI code word /	`16 bits`
	14707.	TPC / radio frame	`2x 2 bits`
	14708.	SS / radio frame	`2x 2 bits`
	14709.	Puncturing Limit	`0.96`

6.11.5.4.1.10.2 Downlink

6.11.5.4.1.10.2.1 Transport channel parameters

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

See clause 6.10.3.4.1.10.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.10.2.1.3 TFCS

See clause 6.10.3.4.1.10.2.1.3.

6.11.5.4.1.10.2.2 Physical channel parameters

14710.	14712.	Modulation	`QPSK`

14711.	14713.	Codes and time slots/	SF 16 x 2 code x 2 time slots
	14714.	Max. Number of data	328 bits
	14715.	TFCI code word /	16 bits
	14716.	TPC / radio frame	2x 2 bits
	14717.	SS / radio frame	2x 2 bits
	14718.	Puncturing Limit	0.96

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

6.11.5.4.1.11.1 Uplink

6.11.5.4.1.11.1.1 Transport channel parameters

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

See clause 6.10.3.4.1.11.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.11.1.1.3 TFCS

See clause 6.10.3.4.1.11.1.1.3.

6.11.5.4.1.11.1.2 Physical channel parameters

14719.	14720.	Modulation	QPSK
	14721.	Codes and time slots /	SF 8 x 1 code x 2 time slots
	14722.	Max. Number of data	328 bits
	14723.	TFCI code word /	16 bits
	14724.	TPC / radio frame	2x 2 bits
	14725.	SS / radio frame	2x 2 bits
	14726.	Puncturing Limit	1

6.11.5.4.1.11.2   Downlink

6.11.5.4.1.11.2.1   Transport channel parameters

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

See clause 6.10.3.4.1.11.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.11.2.1.3   TFCS

See clause 6.10.3.4.1.11.2.1.3.

6.11.5.4.1.11.2.2   Physical channel parameters

14727. 14728.	14729.	Modulation	QPSK
	14730.	Codes and time slots /	SF 16 x 2 code x 2 time slots
	14731.	Max. Number of data	328 bits
	14732.	TFCI code word /	16 bits
	14733.	TPC / radio frame	2x 2 bits
	14734.	SS / radio frame	2x 2 bits
	14735.	Puncturing Limit	1

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

6.11.5.4.1.12.1   Uplink

6.11.5.4.1.12.1.1   Transport channel parameters

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

See clause 6.10.3.4.1.12.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.12.1.1.3   TFCS

See clause 6.10.3.4.1.12.1.1.3.

6.11.5.4.1.12.1.2   Physical channel parameters

14736.	14737.	Modulation	QPSK
	14738.	Codes and time slots /	SF 4 x 1 code x 2 time slots
	14739.	Max. Number of data	680 bits
	14740.	TFCI code word /	16 bits
	14741.	TPC / radio frame	2x 2 bits
	14742.	SS / radio frame	2x 2 bits
	14743.	Puncturing Limit	0.64

6.11.5.4.1.12.2   Downlink

6.11.5.4.1.12.2.1   Transport channel parameters

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

See clause 6.10.3.4.1.12.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.12.2.1.3   TFCS

See clause 6.10.3.4.1.12.2.1.3.

6.11.5.4.1.12.2.2   Physical channel parameters

14744. 14745.	14746.	Modulation	QPSK
	14747.	Codes and time slots /	SF 16 x 4 code x 2 time slots
	14748.	Max. Number of data	680 bits
	14749.	TFCI code word /	16 bits
	14750.	TPC / radio frame	2x 2 bits
	14751.	SS / radio frame	2x 2 bits
	14752.	Puncturing Limit	0.64

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

6.11.5.4.1.13.1 Uplink

6.11.5.4.1.13.1.1 Transport channel parameters

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

See clause 6.10.3.4.1.13.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.13.1.1.3 TFCS

See clause 6.10.3.4.1.13.1.1.3.

6.11.5.4.1.13.1.2 Physical channel parameters

14753.	14754.	Modulation	QPSK
	14755.	Codes and time slots /	SF2 x 1 code x 2 time slots
	14756.	Max. Number of data	1392 bits
	14757.	TFCI code word /	8 bits
	14758.	TPC / radio frame	2x 2 bits
	14759.	SS / radio frame	2x 2 bits
	14760.	Puncturing Limit	0.64

6.11.5.4.1.13.2 Downlink

6.11.5.4.1.13.2.1 Transport channel parameters

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

See clause 6.10.3.4.1.13.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.13.2.1.3 TFCS

See clause 6.10.3.4.1.13.2.1.3.

6.11.5.4.1.13.2.2 Physical channel parameters

14761.	14763.	Modulation	QPSK

14762.	14764.	Codes and time slots /	SF 16 x 8 code x 2 time slots
	14765.	Max. Number of data	1392 bits
	14766.	TFCI code word /	8 bits
	14767.	TPC / radio frame	2x 2 bits
	14768.	SS / radio frame	2x 2 bits
	14769.	Puncturing Limit	0.64

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

6.11.5.4.1.14.1 Uplink

6.11.5.4.1.14.1.1 Transport channel parameters

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

See clause 6.10.3.4.1.14.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.14.1.1.3 TFCS

See clause 6.10.3.4.1.14.1.1.3.

6.11.5.4.1.14.1.2 Physical channel parameters

14770.	14771.	Modulation	QPSK
	14772.	Codes and time slots /	SF4 x 1 code x 2 time slots
	14773.	Max. Number of data	688 bits
	14774.	TFCI code word /	8 bits
	14775.	TPC / radio frame	2x 2 bits
	14776.	SS/ radio frame	2x 2 bits
	14777.	Puncturing Limit	0.60

6.11.5.4.1.14.2   Downlink

6.11.5.4.1.14.2.1   Transport channel parameters

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

See clause 6.10.3.4.1.14.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.14.2.1.3   TFCS

See clause 6.10.3.4.1.14.2.1.3.

6.11.5.4.1.14.2.2   Physical channel parameters

14778.	14780.	Modulation	QPSK
14779.	14781.	Codes and time slots/	SF16 x 4 code x 2 time slots
	14782.	Max. Number of data	699 bits
	14783.	TFCI code word /	8 bits
	14784.	TPC / radio frame	2x 2 bits
	14785.	SS / radio frame	2x 2 bits
	14786.	Puncturing Limit	0.60

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

6.11.5.4.1.15.1   Uplink

6.11.5.4.1.15.1.1   Transport channel parameters

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

See clause 6.10.3.4.1.15.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.15.1.1.3   TFCS

See clause 6.10.3.4.1.15.1.1.3.

6.11.5.4.1.15.1.2   Physical channel parameters

14787.	14788.	Modulation	QPSK

	14789.	Codes and time slots /	SF4 x 1 code x 2 time slots
	14790.	Max. Number of data	688 bits
	14791.	TFCI code word /	8 bits
	14792.	TPC / radio frame	2x 2 bits
	14793.	SS / radio frame	2x 2 bits
	14794.	Puncturing Limit	1

6.11.5.4.1.15.2 Downlink

6.11.5.4.1.15.2.1 Transport channel parameters

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

See clause 6.10.3.4.1.15.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.15.2.1.3 TFCS

See clause 6.10.3.4.1.15.2.1.3.

6.11.5.4.1.15.2.2 Physical channel parameters

14795.	D	14797.	Modulation	QPSK
14796.	D	14798.	Codes and time slots/	SF16 x 3 code x 2 time slots
		14799.	Max. Number of data	512 bits
		14800.	TFCI code word /	8 bits
		14801.	TPC / radio frame	2x 2 bits
		14802.	SS / radio frame	2x 2 bits
		14803.	Puncturing Limit	0.88

6.11.5.4.1.16 Streaming / unknown / UL:28.8/DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.11.5.4.1.16.1 Uplink

6.11.5.4.1.16.1.1 Transport channel parameters

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

See clause 6.10.3.4.1.16.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.16.1.1.3 TFCS

See clause 6.10.3.4.1.16.1.1.3.

6.11.5.4.1.16.1.2 Physical channel parameters

14804.	14805.	Modulation	QPSK
	14806.	Codes and time slots/	SF4 x 1 code x 2 time slots
	14807.	Max. Number of data	680 bits
	14808.	TFCI code word /	16 bits
	14809.	TPC / radio frame	2x 2 bits
	14810.	SS / radio frame	2x 2 bits
	14811.	Puncturing Limit	0.64

6.11.5.4.1.16.2 Downlink

6.11.5.4.1.16.2.1 Transport channel parameters

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

See clause 6.10.3.4.1.16.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.16.2.1.3 TFCS

See clause 6.10.3.4.1.16.2.1.3.

6.11.5.4.1.16.2.2 Physical channel parameters

14812.	14814.	Modulation	QPSK

14813.	14815.	Codes and time slots/	SF16 x 4 code x 2 time slots
	14816.	Max. Number of data	680 bits
	14817.	TFCI code word /	16 bits
	14818.	TPC / radio frame	2x 2 bits
	14819.	SS / radio frame	2x 2 bits
	14820.	Puncturing Limit	0.64

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

6.11.5.4.1.17.1 Uplink

6.11.5.4.1.17.1.1 Transport channel parameters

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

See clause 6.10.3.4.1.17.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.17.1.1.3 TFCS

See clause 6.10.3.4.1.17.1.1.3.

6.11.5.4.1.17.1.2 Physical channel parameters

14821.	14822.	Modulation	QPSK
	14823.	Codes and time slots/	SF2 x 1 code x 2 time slots
	14824.	Max. Number of data	1384 bits
	14825.	TFCI code word /	16 bits
	14826.	TPC / radio frame	2x 2 bits
	14827.	SS / radio frame	2x 2 bits
	14828.	Puncturing Limit	0.72

6.11.5.4.1.17.2   Downlink

6.11.5.4.1.17.2.1   Transport channel parameters

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

See clause 6.10.3.4.1.17.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.17.2.1.3   TFCS

See clause 6.10.3.4.1.17.2.1.3.

6.11.5.4.1.17.2.2   Physical channel parameters

14829.	14831.	Modulation	QPSK
14830.	14832.	Codes and time slots /	SF16 x 8 code x 2 time slots
	14833.	Max. Number of data	1384 bits
	14834.	TFCI code word /	16 bits
	14835.	TPC / radio frame	2x 2 bits
	14836.	SS / radio frame	2x 2 bits
	14837.	Puncturing Limit	0.72

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

6.11.5.4.1.18.1   Uplink

6.11.5.4.1.18.1.1   Transport channel parameters

6.11.5.4.1.18.1.1.1   Transport channel parameters for Streaming / unknown / UL:0 kbps / CS or PS RAB

N/A.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.18.1.1.3   TFCS

See clause 6.10.3.4.1.2.1.1.2.

6.11.5.4.1.18.1.2   Physical channel parameters

See clause 6.11.5.4.1.2.1.2.

6.11.5.4.1.18.2 Downlink

6.11.5.4.1.18.2.1 Transport channel parameters

6.11.5.4.1.18.2.1.1 Transport channel parameters for Streaming / unknown / DL:64 kbps / CS or PS RAB

See clause 6.10.3.4.1.18.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.18.2.1.3 TFCS

See clause 6.10.3.4.1.18.2.1.3.

6.11.5.4.1.18.2.2 Physical channel parameters

14838.	14840.	Modulation	QPSK
14839.	14841.	Codes and time slots /	SF16 x 8 code x 2 time slots
	14842.	Max. Number of data	1384 bits
	14843.	TFCI code word /	16 bits
	14844.	TPC / radio frame	2x 2 bits
	14845.	SS / radio frame	2x 2 bits
	14846.	Puncturing Limit	0.64

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

6.11.5.4.1.19.1 Uplink

6.11.5.4.1.19.1.1 Transport channel parameters

6.11.5.4.1.19.1.1.1 Transport channel parameters for Streaming / unknown / UL:64 kbps / CS or PS RAB

See clause 6.10.3.4.1.19.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.19.1.1.3 TFCS

See clause 6.10.3.4.1.19.1.1.3.

6.11.5.4.1.19.1.2 Physical channel parameters

| 14847. | 14849. | Modulation | QPSK |

14848.	14850.	Codes and time slots /	SF2 x 1 code x 2 time slots
	14851.	Max. Number of data	1384 bits
	14852.	TFCI code word /	16 bits
	14853.	TPC / radio frame	2x 2 bits
	14854.	SS/ radio frame	2x 2 bits
	14855.	Puncturing Limit	0.64

6.11.5.4.1.19.2 Downlink

6.11.5.4.1.19.2.1 Transport channel parameters

6.11.5.4.1.19.2.1.1 Transport channel parameters for Streaming / unknown / DL:0 kbps / CS or PS RAB

N/A.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.19.2.1.3 TFCS

See clause 6.10.3.4.1.2.2.1.2.

6.11.5.4.1.19.2.2 Physical channel parameters

See clause 6.11.5.4.1.2.1.2.

6.11.5.4.1.20 Streaming / unknown / UL:0 DL:128 kbps / CS or PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.11.5.4.1.20.1 Uplink

6.11.5.4.1.20.1.1 Transport channel parameters

6.11.5.4.1.20.1.1.1 Transport channel parameters for Streaming / unknown / UL:0 kbps / CS or PS RAB

N/A

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.20.1.1.3 TFCS

See clause 6.10.3.4.1.2.1.1.2.

6.11.5.4.1.20.1.2 Physical channel parameters

See clause 6.11.5.4.1.2.1.2.

6.11.5.4.1.20.2   Downlink

6.11.5.4.1.20.2.1   Transport channel parameters

6.11.5.4.1.20.2.1.1   Transport channel parameters for Streaming / unknown / DL:128 kbps / CS or PS RAB

See clause 6.10.3.4.1.20.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.20.2.1.3   TFCS

See clause 6.10.3.4.1.20.2.1.3.

6.11.5.4.1.20.2.2   Physical channel parameters

14856.	14858.	Modulation	QPSK
	14859.	Codes and time slots/	SF1 x 1 code x 2 time slots
14857.	14860.	Max. Number of data	2792 bits
	14861.	TFCI code word /	16 bits
	14862.	TPC / radio frame	2x 2 bits
	14863.	SS/ radio frame	2x 2 bits
	14864.	Puncturing Limit	0.64

6.11.5.4.1.21   Streaming / unknown / UL:128 DL:0 kbps / CS or PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.11.5.4.1.21.1   Uplink

6.11.5.4.1.21.1.1   Transport channel parameters

6.11.5.4.1.21.1.1.1   Transport channel parameters for Streaming / unknown / UL:128 kbps / CS or PS RAB

See clause 6.10.3.4.1.21.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.21.1.1.3   TFCS

See clause 6.10.3.4.1.21.1.1.3.

6.11.5.4.1.21.1.2   Physical channel parameters

14865.	14867.	Modulation	QPSK
14866.	14868.	Codes and time slots /	SF1 x 1 code x 2 time slots
	14869.	Max. Number of data	2792 bits
	14870.	TFCI code word/ radio	16 bits
	14871.	TPC / radio frame	2x 2 bits
	14872.	SS/ radio frame	2x 2 bits
	14873.	Puncturing Limit	0.64

6.11.5.4.1.21.2   Downlink

6.11.5.4.1.21.2.1   Transport channel parameters

6.11.5.4.1.21.2.1.1   Transport channel parameters for Streaming / unknown / DL:0 kbps / CS or PS RAB

N/A.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.21.2.1.3   TFCS

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.21.2.2   Physical channel parameters

See clause 6.11.5.4.1.2.2.2.

6.11.5.4.1.22   Streaming / unknown / UL:0 DL:384 kbps / CS or PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.11.5.4.1.22.1   Uplink

6.11.5.4.1.22.1.1   Transport channel parameters

6.11.5.4.1.22.1.1.1   Transport channel parameters for Streaming / unknown / UL:0 kbps / CS or PS RAB

N/A.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.22.1.1.3   TFCS

See clause 6.10.3.4.1.2.1.1.2.

6.11.5.4.1.22.1.2   Physical channel parameters

See clause 6.11.5.4.1.2.1.2.

6.11.5.4.1.22.2   Downlink

6.11.5.4.1.22.2.1   Transport channel parameters

6.11.5.4.1.22.2.1.1   Transport channel parameters for Streaming / unknown / DL:384 kbps / CS or PS RAB

See clause 6.10.3.4.1.22.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.22.2.1.3   TFCS

See clause 6.10.3.4.1.22.2.1.3.

6.11.5.4.1.22.2.2   Physical channel parameters

14874. 14875.	14876. D 14877. D	Modulation	QPSK	8PSK
	14877.	Codes and time slots/	SF 1 x 1code x 6 time slots	SF1 x 1 code x 4 time slots
	14878.	Max. Number of data	8424 bits	8212 bits
	14879.	TFCI code word /	16 bits	16 bits
	14880.	TPC / radio frame	2x 2 bits	2x 3 bits
	14881.	SS/ radio frame	2x 2 bits	2x 3 bits
	14882.	Puncturing Limit	0.68	0.68

6.11.5.4.1.23   Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.11.5.4.1.23.1   Uplink

6.11.5.4.1.23.1.1   Transport channel parameters

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

See clause 6.10.3.4.1.23.1.1.1

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

See clause 6.10.3.4.1.2.1.1.1

6.11.5.4.1.23.1.1.3   TFCS

See clause 6.10.3.4.1.23.1.1.3

6.11.5.4.1.23.1.2 Physical channel parameters

14883.	14884.	Modulation	QPSK
	14885.	Codes and time slots/	SF 2 x 1 code x 2 time slots
	14886.	Max. Number of data	1384 bits
	14887.	TFCI code word/ radio	16 bits
	14888.	TPC / radio frame	2 * 2 bits
	14889.	SS / radio frame	2 * 2 bits
	14890.	Puncturing Limit	1

6.11.5.4.1.23.2 Downlink

6.11.5.4.1.23.2.1 Transport channel parameters

6.11.5.4.1.23.2.1.1 Transport channel parameters for Interactive or background / DL:8 kbps / PS RAB

See clause 6.10.3.4.1.23.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.23.2.1.3 TFCS

See clause 6.10.3.4.1.23.2.1.3.

6.11.5.4.1.23.2.2 Physical channel parameters

14891. CH Downlink	14892.	Modulation	QPSK
	14893.	Codes and time slots/	SF 16 x 2 codes x 2 time slots
	14894.	Max. Number of data	336 bits
	14895.	TFCI code word/ radio	8 bits
	14896.	TPC/ radio frame	2*2 bits
	14897.	SS/ radio frame	2*2 bits
	14898.	Puncturing Limit	0.84

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

6.11.5.4.1.24.1 Uplink

6.11.5.4.1.24.1.1 Transport channel parameters

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

See clause 6.10.3.4.1.24.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.24.1.1.3 TFCS

See clause 6.10.3.4.1.24.1.1.3.

6.11.5.4.1.24.1.2 Physical channel parameters

14899.	14900.	Modulation	QPSK
	14901.	Codes and time slots/	SF2 x 1 code x 2 time slots
	14902.	Max. Number of data	1384 bits
	14903.	TFCI code word/ radio	16 bits
	14904.	TPC / radio frame	2 * 2 bits
	14905.	SS / radio frame	2 * 2 bits
	14906.	Puncturing Limit	0.6

6.11.5.4.1.24.2 Downlink

See clause 6.11.5.4.1.23.2

6.11.5.4.1.25 Interactive or background / UL:32 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.11.5.4.1.25.1 Uplink

See clause 6.11.5.4.1.23.1.

6.11.5.4.1.25.2 Downlink

6.11.5.4.1.25.2.1 Transport channel parameters

6.11.5.4.1.25.2.1.1 Transport channel parameters for Interactive or background / DL:64 kbps / PS RAB

See clause 6.10.3.4.1.25.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.25.2.1.3   TFCS

See clause 6.10.3.4.1.25.2.1.3.

6.11.5.4.1.25.2.2   Physical channel parameters

14907. CH Downlink	14908.	Modulation	QPSK
	14909.	Codes and time slots/	SF16 x 8 codes x 2 time slots
	14910.	Max. Number of data	1384 bits
	14911.	TFCI code word/ radio	16 bits
	14912.	TPC/ radio frame	2*2 bits
	14913.	SS/ radio frame	2*2 bits
	14914.	Puncturing Limit/	0.6

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

6.11.5.4.1.26.1   Uplink

See clause 6.11.5.4.1.24.1.

6.11.5.4.1.26.2   Downlink

See clause 6.11.5.4.1.25.2.

6.11.5.4.1.27   Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.11.5.4.1.27.1   Uplink

See clause 6.11.5.4.1.24.1.

6.11.5.4.1.27.2   Downlink

6.11.5.4.1.27.2.1   Transport channel parameters

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

See clause 6.10.3.4.1.27.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.27.2.1.3 TFCS

See clause 6.10.3.4.1.27.2.1.3.

6.11.5.4.1.27.2.2 Physical channel parameters

14915.	14917.	Modulation	QPSK
14916.	14918.	Codes and time slots/	SF 16 x 9 codes x 4 time slots
	14919.	Max. Number of data	3144 bits
	14920.	TFCI code word/ radio	16 bits
	14921.	TPC / radio frame	2 * 2 bits
	14922.	SS / radio frame	2 * 2 bits
	14923.	Puncturing Limit	0.72

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

6.11.5.4.1.28.1 Uplink

6.11.5.4.1.28.1.1 Transport channel parameters

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

See clause 6.10.3.4.1.28.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.28.1.1.3 TFCS

See clause 6.10.3.4.1.28.1.1.3.

6.11.5.4.1.28.1.2 Physical channel parameters

14924.	14925.	Modulation	QPSK
	14926.	Codes and time slots/	SF1 x 1 codes x 2 time slots
	14927.	Max. Number of data	2792 bits
	14928.	TFCI code word/ radio	16 bits
	14929.	TPC/ radio frame	2*2 bits
	14930.	SS/ radio frame	2*2 bits
	14931.	Puncturing Limit	0.64

6.11.5.4.1.28.2 Downlink

See clause 6.11.5.4.1.27.2.

6.11.5.4.1.29 Interactive or background / UL:64 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH

6.11.5.4.1.29.1 Uplink

See clause 6.11.5.4.1.24.1.

6.11.5.4.1.29.2 Downlink

6.11.5.4.1.29.2.1 Transport channel parameters

6.11.5.4.1.29.2.1.1 Transport channel parameters for Interactive or background / DL:144 kbps / PS RAB

See clause 6.10.3.4.1.29.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.29.2.1.3 TFCS

See clause 6.10.3.4.1.29.2.1.3.

6.11.5.4.1.29.2.2 Physical channel parameters

14932.	14934.	Modulation	QPSK
14933.	14935.	Codes and time slots/	SF 16 x 9 codes x 4 time slots
	14936.	Max. Number of data	3144 bits
	14937.	TFCI code word/ radio	16 bits
	14938.	TPC / radio frame	2 * 2 bits
	14939.	SS / radio frame	2 * 2 bits
	14940.	Puncturing Limit	0.64

6.11.5.4.1.30 Interactive or background / UL:144 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH

6.11.5.4.1.30.1 Uplink

6.11.5.4.1.30.1.1 Transport channel parameters

6.11.5.4.1.30.1.1.1 Transport channel parameters for Interactive or background / UL:144 kbps / PS RAB

See clause 6.10.3.4.1.30.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.30.1.1.3 TFCS

See clause 6.10.3.4.1.30.1.1.3.

6.11.5.4.1.30.1.2 Physical channel parameters

14941.	D14942.	Modulation	QPSK	8PSK
	14943.	Codes and time slots/	(SF1 x 1 code x 2 time slots) + (SF2 x 1 code x 2 time slots)	SF1 x 1code x 2 time slots
	14944.	Max. Number of data	4200 bits	4188 bits
	14945.	TFCI code word/ radio	16 bits	24 bits
	14946.	TPC/ radio frame	2*2 bits	2* 3bits
	14947.	SS/ radio frame	2*2 bits	2* 3bits
	14948.	Puncturing Limit	0.88	0.84

6.11.5.4.1.30.2 Downlink

See clause 6.11.5.4.1.29.2.

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

6.11.5.4.1.31.1 Uplink

See clause 6.11.5.4.1.24.1.

6.11.5.4.1.31.2 Downlink

6.11.5.4.1.31.2.1 Transport channel parameters

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

See clause 6.10.3.4.1.31.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.31.2.1.3 TFCS

See clause 6.10.3.4.1.31.2.1.3.

6.11.5.4.1.31.2.2 Physical channel parameters

14949.	14951.	Modulation	QPSK

14950.	14952.	Codes and time slots/	SF 1 x 1 code x 4 time slots
	14953.	Max. Number of data	5608 bits
	14954.	TFCI code word/ radio	16 bits
	14955.	TPC / radio frame	2 * 2 bits
	14956.	SS / radio frame	2 * 2 bits
	14957.	Puncturing Limit	0.64

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

6.11.5.4.1.32.1 Uplink

See clause 6.11.5.4.1.24.1.

6.11.5.4.1.32.2 Downlink

6.11.5.4.1.32.2.1 Transport channel parameters

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

See clause 6.10.3.4.1.32.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.32.2.1.3 TFCS

See clause 6.10.3.4.1.32.2.1.3.

6.11.5.4.1.32.2.2 Physical channel parameters

14958. DCH Downlink	14959.	Modulation	QPSK	8PSK
	14960.	Codes and time slots/	SF1 x 1 code x 6 time slots	SF1 x 1 code x 4 time slots
	14961.	Max. Number of data	8424 bits	8412 bits
	14962.	TFCI code word/ radio	16 bits	24 bits
	14963.	TPC/ radio frame	2*2 bits	2*3 bits
	14964.	SS/ radio frame	2*2 bits	2*3 bits
	14965.	Puncturing Limit	0.64	0.64

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

6.11.5.4.1.33.1   Uplink

See clause 6.11.5.4.1.28.1

6.11.5.4.1.33.2   Downlink

See clause 6.11.5.4.1.32.2.

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

6.11.5.4.1.34.1   Uplink

6.11.5.4.1.34.1.1   Transport channel parameters

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

See clause 6.10.3.4.1.34.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.34.1.1.3   TFCS

See clause 6.10.3.4.1.34.1.1.3.

6.11.5.4.1.34.1.2   Physical channel parameters

14966. PCH Uplink	14967.	Modulation	QPSK	8PSK
	14968.	Codes and time slots/	SF 1 x 1 code x 6 time slots	SF 1 x 1 code x 4 time slots
	14969.	Max. Number of data	8424 bits	8412 bits
	14970.	TFCI code word /	16 bits	24 bits
	14971.	TPC / radio frame	2 * 2 bits	3 * 3 bits
	14972.	SS / radio frame	2 * 2 bits	3 * 3 bits
	14973.	Puncturing Limit	0.64	0.64

6.11.5.4.1.34.2   Downlink

See clause 6.11.5.4.1.32.2.

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

6.11.5.4.1.35.1   Uplink

See clause 6.11.5.4.1.24.1.

6.11.5.4.1.35.2   Downlink

6.11.5.4.1.35.2.1   Transport channel parameters

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

14	14976. RAB/Signalling RB	**RAB**
14		
14	14978. Logical channel type	DTCH
	14979. RLC mode	AM
	14980. Payload sizes, bit	1704
	14981. Max data rate, bps	2048000
	14982. RLC header, bit	16
14	14984. MAC header, bit	0
	14985. MAC multiplexing	N/A
14	14987. TrCH type	DCH
	14988. TB sizes, bit	1720
	14990. TF0, bits	0x1720
	14991. TF1, bits	1x1720
	14992. TF2, bits	2x1720
	14993. TF3, bits	4x1720
	14994. TF4, bits	8 x1720
	14995. TF5, bits	12x1720
	14996. TF6, bits	N/A (alt. 16x1720)
	14997. TF7, bits	N/A (alt. 20x1720)
	14998. TF8, bits	N/A (alt. 24x1720)
	14999. TTI, ms	10(alt. 20)
	15000. Coding type	No coding
	15001. CRC, bit	24
	15002. Max number of bits/TTI after channel coding	20928 (alt. 41856)

	15003. Max number of bits/radio frame before rate matching	`20928 ( alt. 20928)`
	15004. RM attribute	`130-170`

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

See clause 6.10.3.4.1.2.2.1.1

6.11.5.4.1.35.2.1.3   TFCS

15005. TFCS size	15006. 12 (alt.18)
15007. TFCS	15008. (2048 kbps RAB, DCCH)= 15009. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), 15010. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), 15011. (alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7, TF0), (TF8, TF0), 15012. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1), (TF8, TF1))

6.11.5.4.1.35.2.2   Physical channel parameters

15013. CH Downlink	15014.	Modulation	`8PSK`
	15015.	Codes and time slots/	`SF1 x 1 code x 10 time slots`
	15016.	Max. Number of data	`21084 bits`
	15017.	TFCI code word/ radio	`24 bits`
	15018.	TPC/ radio frame	`2*3 bits`
	15019.	SS/ radio frame	`2*3 bits`
	15020.	Puncturing Limit	`1`

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

6.11.5.4.1.36.1   Uplink

See clause 6.11.5.4.1.28.1.

6.11.5.4.1.36.2 Downlink

See clause 6.11.5.4.1.35.2.

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

6.11.5.4.1.37.1 Uplink

See clause 6.11.5.4.1.34.1.

6.11.5.4.1.37.2 Downlink

See clause 6.11.5.4.1.35.2.

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

6.11.5.4.1.38.1 Uplink

6.11.5.4.1.38.1.1 Transport channel parameters

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

See clause 6.10.3.4.1.4.1.1.1.

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

See clause 6.10.3.4.1.23.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.38.1.1.4 TFCS

See clause 6.10.3.4.1.38.1.1.4.

6.11.5.4.1.38.1.2 Physical channel parameters

15021. 15022.	15023.	Modulation	QPSK
	15024.	Codes and time slots/	SF 2 x 1 code x 2 time slots
	15025.	Max. Number of data	1384 bits
	15026.	TFCI code word /	16 bits
	15027.	TPC / radio frame	2 * 2 bits
	15028.	SS / radio frame	2 * 2 bits
	15029.	Puncturing Limit	0.84

6.11.5.4.1.38.2 Downlink

6.11.5.4.1.38.2.1 Transport channel parameters

6.11.5.4.1.38.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

6.11.5.4.1.38.2.1.2 Transport channel parameters for Interactive or background / DL:8 kbps / PS RAB

See clause 6.10.3.4.1.23.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.

6.11.5.4.1.38.2.1.4 TFCS

See clause 6.10.3.4.1.38.2.1.4.

6.11.5.4.1.38.2.2 Physical channel parameters

15030. CH Downlink	15031.	Modulation	QPSK
	15032.	Codes and time slots/	SF16 x 3 codes x 2 time slots
	15033.	Max. Number of data	504 bits
	15034.	TFCI code word/ radio	16 bits
	15035.	TPC/ radio frame	2*2 bits
	15036.	SS/ radio frame	2*2 bits
	15037.	Puncturing Limit	0.64

6.11.5.4.1.39 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

6.11.5.4.1.39.1 Uplink

See clause 6.11.5.4.1.38.1.

6.11.5.4.1.39.2 Downlink

6.11.5.4.1.39.2.1 Transport channel parameters

6.11.5.4.1.39.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

6.11.5.4.1.39.2.1.2 Transport channel parameters for Interactive or background / DL:64 kbps / PS RAB

See clause 6.10.3.4.1.25.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.39.2.1.4   TFCS

See clause 6.10.3.4.1.39.2.1.4.

6.11.5.4.1.39.2.2   Physical channel parameters

15038.	15040.	Modulation	QPSK
15039.	15041.	Codes and time slots/	SF 16 x 10 codes x 2 time slots
	15042.	Max. Number of data	1736 bits
	15043.	TFCI code word /	16 bits
	15044.	TPC / radio frame	2 * 2 bits
	15045.	SS / radio frame	2 * 2 bits
	15046.	Puncturing Limit	0.64

6.11.5.4.1.40   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

6.11.5.4.1.40.1   Uplink

6.11.5.4.1.40.1.1   Transport channel parameters

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

See clause 6.10.3.4.1.4.1.1.1.

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

See clause 6.10.3.4.1.24.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.40.1.1.4   TFCS

See clause 6.10.3.4.1.40.1.1.4.

6.11.5.4.1.40.1.2   Physical channel parameters

15047.	15048.	Modulation	QPSK
	15049.	Codes and time slots/	SF1 x 1 code x 2 time slots

15050.	Max. Number of data	2784 bits
15051.	TFCI code word/ radio	16 bits
15052.	TPC/ radio frame	2*2 bits
15053.	SS/ radio frame	2*2 bits
15054.	Puncturing Limit	1

6.11.5.4.1.40.2 Downlink

See clause 6.11.5.4.1.39.2.

6.11.5.4.1.41 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

6.11.5.4.1.41.1 Uplink

See clause 6.11.5.4.1.40.1.

6.11.5.4.1.41.2 Downlink

6.11.5.4.1.41.2.1 Transport channel parameters

6.11.5.4.1.41.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

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

See clause 6.10.3.4.1.27.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.41.2.1.4 TFCS

See clause 6.10.3.4.1.41.2.1.4.

6.11.5.4.1.41.2.2 Physical channel parameters

15055.	D15057.	Modulation	QPSK	8PSK
15056.	15058. D	Codes and time slots/	SF 16 x 9 codes x 4 time slots	SF 16 x 12 codes x 2 time slots
	15059.	Max. Number of data	3144 bits	3132 bits
	15060.	TFCI code word /	16 bits	24 bits
	15061.	TPC / radio frame	2 * 2 bits	3 x 3 bits

	15062.	SS / radio frame	2 * 2 bits	3 x 3 bits
	15063.	Puncturing Limit	0.64	0.64

6.11.5.4.1.42　　　　　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

6.11.5.4.1.42.1　　　　Uplink

See clause 6.11.5.4.1.40.1.

6.11.5.4.1.42.2　　　　Downlink

6.11.5.4.1.42.2.1　　　Transport channel parameters

6.11.5.4.1.42.2.1.1　　Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

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

See clause 6.10.3.4.1.31.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.42.2.1.4　　TFCS

See clause 6.10.3.4.1.42.2.1.4.

6.11.5.4.1.42.2.2　　　Physical channel parameters

15064. DL CH Downlink	15065.	Modulation	QPSK	8PSK
	15066.	Codes and time slots/	SF1 x 1code x 6 time slots	SF1 x 1 code x 4 time slots
	15067.	Max. Number of data	8400 bits	8376 bits
	15068.	TFCI code word/ radio	16 bits	24 bits
	15069.	TPC/ radio frame	2*2 bits	2*3 bits
	15070.	SS/ radio frame	2*2 bits	2*3 bits
	15071.	Puncturing Limit	0.88	0.88

6.11.5.4.1.43   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

6.11.5.4.1.43.1   Uplink

See clause 6.11.5.4.1.40.1.

6.11.5.4.1.43.2   Downlink

6.11.5.4.1.43.2.1   Transport channel parameters

6.11.5.4.1.43.2.1.1   Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

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

See clause 6.10.3.4.1.32.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.43.2.1.4   TFCS

See clause 6.10.3.4.1.43.2.1.4.

6.11.5.4.1.43.2.2   Physical channel parameters

15072.	D15074.	Modulation	QPSK	8PSK
15073.	15075. D	Codes and time slots/	SF 1 x 1 code x 6 time slots	SF 1 x 1 code x 4 time slots
	15076.	Max. Number of data	8408 bits	8388 bits
	15077.	TFCI code word /	32 bits	48 bits
	15078.	TPC / radio frame	2 * 2 bits	3 x 3 bits
	15079.	SS / radio frame	2 * 2 bits	3 x 3 bits
	15080.	Puncturing Limit	0.60	0.60

6.11.5.4.1.44   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

6.11.5.4.1.44.1   Uplink

6.11.5.4.1.44.1.1   Transport channel parameters

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

See clause 6.10.3.4.1.4.1.1.1.

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

See clause 6.10.3.4.1.28.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.44.1.1.4 TFCS

See clause 6.10.3.4.1.44.1.1.4.

6.11.5.4.1.44.1.2 Physical channel parameters

15081.	15082.	Modulation	`8PSK`
	15083.	Codes and time slots/	`SF1 x 1 code x 2 time slots`
	15084.	Max. Number of data	`4188 bits`
	15085.	TFCI code word/ radio	`24 bits`
	15086.	TPC/ radio frame	`2*3 bits`
	15087.	SS/ radio frame	`2*3 bits`
	15088.	Puncturing Limit	`0.88`

6.11.5.4.1.44.2 Downlink

6.11.5.4.1.44.2.1 Transport channel parameters

6.11.5.4.1.44.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

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

See clause 6.11.5.4.1.35.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.44.2.1.4 TFCS

15089.TFCS size	15090.33 (alt. 51)
15091.TFC	15092.(RAB subflow#1, RAB subflow#2, RAB subflow#3, 2048 kbps RAB , DCCH)= 15093.((TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1,

S	TF0, TF0),
	15094. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	15095. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	15096. (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	15097. (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	15098. (TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0),
	15099. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	15100. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	15101. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	15102. (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	15103. (TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1),
	15104. (TF0, TF0, TF0, TF5, TF1))
	15105. (alt. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	15106. (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	15107. (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	15108. (TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	15109. (TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	15110. (TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	15111. (TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0),
	15112. (TF0, TF0, TF0, TF7, TF0), (TF1, TF0, TF0, TF7, TF0), (TF2, TF1, TF1, TF7, TF0),
	15113. (TF0, TF0, TF0, TF8, TF0), (TF1, TF0, TF0, TF8, TF0),
	15114. (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	15115. (TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, ETF1 TF1), (TF2, TF1, TF1, TF1, TF1),
S	15116. (TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1,

	TF2, TF1),	
	15117. (TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),	
	15118. (TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1),	
	15119. (TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1),	
	15120. (TF0, TF0, TF0, TF6, TF1), (TF1, TF0, TF0, TF6, TF1), (TF2, TF1, TF1, TF6, TF1),	
	15121. (TF0, TF0, TF0, TF7, TF1), (TF1, TF0, TF0, TF7, TF1), (TF2, TF1, TF1, TF7, TF1),	
	15122. (TF0, TF0, TF0, TF8, TF1))	

For better understanding of the TFCS please note that the following combinations are not included in the table above:(TF2, TF1, TF1, TF5, TF0) , (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1) , (TF2, TF1, TF1, TF8, TF0), (TF1, TF0, TF0, TF8, TF1), (TF2, TF1, TF1, TF8, TF1)

6.11.5.4.1.44.2.2   Physical channel parameters

15123.	15125.	Modulation	8PSK
15124.	15126.	Codes and time slots/	SF 1 x 1 code x 10 time slots
	15127.	Max. Number of data	21060 bits
	15128.	TFCI code word /	48 bits
	15129.	TPC / radio frame	3 * 3 bits
	15130.	SS / radio frame	3 * 3 bits
	15131.	Puncturing Limit	1

6.11.5.4.1.45   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

6.11.5.4.1.45.1   Uplink

6.11.5.4.1.45.1.1   Transport channel parameters

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

See clause 6.10.3.4.1.4.1.1.1.

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

See clause 6.10.3.4.1.17.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.45.1.1.4   TFCS

See clause 6.10.3.4.1.45.1.1.4.

6.11.5.4.1.45.1.2   Physical channel parameters

15132.	15133.	Modulation	`QPSK`
	15134.	Codes and time slots/	`SF2 x 1code x 2 time slots`
	15135.	Max. Number of data	`1384 bits`
	15136.	TFCI code word/ radio	`16 bits`
	15137.	TPC/ radio frame	`2*2 bits`
	15138.	SS/ radio frame	`2*2 bits`
	15139.	Puncturing Limit	`0.64`

6.11.5.4.1.45.2   Downlink

6.11.5.4.1.45.2.1   Transport channel parameters

6.11.5.4.1.45.2.1.1   Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

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

See clause 6.10.3.4.1.17.2.1.1.

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

See clause 6.10.3.4.1.2.2.11.

6.11.5.4.1.45.2.1.4   TFCS

See clause 6.10.3.4.1.45.2.1.4.

6.11.5.4.1.45.2.2   Physical channel parameters

15140.	15142.	Modulation	`QPSK`
15141.	15143.	Codes and time slots/	`SF 16 x 9 codes x 2 time slots`
	15144.	Max. Number of data	`1560  bits`
	15145.	TFCI code word /	`16 bits`

	15146.	TPC / radio frame	`2 * 2 bits`
	15147.	SS / radio frame	`2 * 2 bits`
	15148.	Puncturing Limit	`0.64`

6.11.5.4.1.46 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

6.11.5.4.1.46.1 Uplink

See clause 6.11.5.4.1.4.1.

6.11.5.4.1.46.2 Downlink

6.11.5.4.1.46.2.1 Transport channel parameters

6.11.5.4.1.46.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

6.11.5.4.1.46.2.1.2 Transport channel parameters for Streaming / unknown / DL:64 kbps / CS or PS RAB

See clause 6.10.3.4.1.18.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.46.2.1.4 TFCS

See clause 6.10.3.4.1.46.2.1.4.

6.11.5.4.1.46.2.2 Physical channel parameters

15149. CH Downlink	15150.	Modulation	`QPSK`
	15151.	Codes and time slots/	`SF16 x 11 codes x 2 time slots`
	15152.	Max. Number of data	`1912 bits`
	15153.	TFCI code word/ radio	`16 bits`
	15154.	TPC/ radio frame	`2*2 bits`
	15155.	SS/ radio frame	`2*2 bits`
	15156.	Puncturing Limit	`0.64`

6.11.5.4.1.47   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

6.11.5.4.1.47.1   Uplink

See clause 6.11.5.4.1.4.1.

6.11.5.4.1.47.2   Downlink

6.11.5.4.1.47.2.1   Transport channel parameters

6.11.5.4.1.47.2.1.1   Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

6.11.5.4.1.47.2.1.2   Transport channel parameters for Streaming / unknown / DL:128 kbps / CS or PS
                             RAB

See clause 6.10.3.4.1.20.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.47.2.1.4   TFCS

See clause 6.10.3.4.1.47.2.1.4.

6.11.5.4.1.47.2.2   Physical channel parameters

15157.	D15159.	Modulation	QPSK	8PSK
15158.	15160. D	Codes and time slots/	SF 16 x 9 codes x 4 time slots	SF 16 x 12 codes x 2 time slots
	15161.	Max. Number of data	3128 bits	3108 bits
	15162.	TFCI code word /	32 bits	48 bits
	15163.	TPC / radio frame	2 * 2 bits	3 x 3 bits
	15164.	SS / radio frame	2 * 2 bits	3 x 3 bits
	15165.	Puncturing Limit	0.68	0.68

6.11.5.4.1.48   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

6.11.5.4.1.48.1   Uplink

See clause 6.11.5.4.1.4.1.

6.11.5.4.1.48.2   Downlink

6.11.5.4.1.48.2.1   Transport channel parameters

6.11.5.4.1.48.2.1.1   Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

6.11.5.4.1.48.2.1.2   Transport channel parameters for Streaming / unknown / DL:384 kbps / CS or PS RAB

See clause 6.10.3.4.1.22.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.48.2.1.4   TFCS

See clause 6.10.3.4.1.48.2.1.4.

6.11.5.4.1.48.2.2   Physical channel parameters

15166. CH Downlink	15167.	Modulation	QPSK	8PSK
	15168.	Codes and time slots/	SF1 x 1code x 6 time slots	SF1 x 1 code x 4 time slots
	15169.	Max. Number of data	8408 bits	8388 bits
	15170.	TFCI code word/ radio	32 bits	48 bits
	15171.	TPC/ radio frame	2*2 bits	2*3 bits
	15172.	SS/ radio frame	2*2 bits	2*3 bits
	15173.	Puncturing Limit	0.64	0.64

6.11.5.4.1.49   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

6.11.5.4.1.49.1   Uplink

6.11.5.4.1.49.1.1   Transport channel parameters

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

See clause 6.10.3.4.1.4.1.1.1.

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

See clause 6.10.3.4.1.13.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.49.1.1.4   TFCS

See clause 6.10.3.4.1.49.1.1.4.

6.11.5.4.1.49.1.2   Physical channel parameters

15174. 15175.	15176.	Modulation	QPSK
	15177.	Codes and time slots/	SF 1 x 1 code x 2 time slots
	15178.	Max. Number of data	2792 bits
	15179.	TFCI code word /	16 bits
	15180.	TPC / radio frame	2 * 2 bits
	15181.	SS / radio frame	2 * 2 bits
	15182.	Puncturing Limit	1

6.11.5.4.1.49.2   Downlink

6.11.5.4.1.49.2.1   Transport channel parameters

6.11.5.4.1.49.2.1.1   Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

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

See clause 6.10.3.4.1.13.2.1.1.

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

See clause 6.10.3.4.1.2.2.11.

6.11.5.4.1.49.2.1.4   TFCS

See clause 6.10.3.4.1.49.2.1.4.

6.11.5.4.1.49.2.2   Physical channel parameters

15183. CH Downlink	15184.	Modulation	QPSK
	15185.	Codes and time slots/	SF16 x 11 codes x 2 time slots
	15186.	Max. Number of data	1912 bits
	15187.	TFCI code word/ radio	16 bits
	15188.	TPC/ radio frame	2*2 bits
	15189.	SS/ radio frame	2*2 bits

	15190.	Puncturing Limit	`0.64`

6.11.5.4.1.50 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

6.11.5.4.1.50.1 Uplink

6.11.5.4.1.50.1.1 Transport channel parameters

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

See clause 6.10.3.5.4.1.13.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.50.1.1.3 TFCS

See clause 6.10.3.4.1.50.1.1.3.

6.11.5.4.1.50.1.2 Physical channel parameters

15191.	15193.	Modulation	`QPSK`
15192.	15194.	Codes and time slots/	`SF 1 x 1 code x 2 time slots`
	15195.	Max. Number of data	`2792  bits`
	15196.	TFCI code word /	`16 bits`
	15197.	TPC / radio frame	`2 * 2 bits`
	15198.	SS / radio frame	`2 * 2 bits`
	15199.	Puncturing Limit	`0.68`

6.11.5.4.1.50.2 Downlink

6.11.5.4.1.50.2.1 Transport channel parameters

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

See clause 6.10.3.4.1.13.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.50.2.1.3 TFCS

See clause 6.10.3.4.1.50.2.1.3.

6.11.5.4.1.50.2.2 Physical channel parameters

15200. CH Downlink	15201.	Modulation	QPSK
	15202.	Codes and time slots/	SF 16 x 15 codes x 2 time slots
	15203.	Max. Number of data	2616 bits
	15204.	TFCI code word/ radio	16 bits
	15205.	TPC/ radio frame	2*2 bits
	15206.	SS/ radio frame	2*2 bits
	15207.	Puncturing Limit	0.64

6.11.5.4.1.51 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

6.11.5.4.1.51.1 Uplink

6.11.5.4.1.51.1.1 Transport channel parameters

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

See clause 6.10.3.4.1.13.1.1.1.

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

See clause 6.10.3.4.1.24.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.51.1.1.4 TFCS

See clause 6.10.3.4.1.51.1.1.4.

6.11.5.4.1.51.1.2 Physical channel parameters

15208. 15209.	15210.	Modulation	QPSK
	15211.	Codes and time slots/	SF 1 x 1 code x 2 time slots
	15212.	Max. Number of data	2792 bits
	15213.	TFCI code word /	16 bits
	15214.	TPC / radio frame	2 * 2 bits
	15215.	SS / radio frame	2 * 2 bits

	15216.	Puncturing Limit	0.64

6.11.5.4.1.51.2 Downlink

6.11.5.4.1.51.2.1 Transport channel parameters

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

See clause 6.10.3.4.1.13.2.1.1.

6.11.5.4.1.51.2.1.2 Transport channel parameters for Interactive or background / DL:64 kbps / PS RAB

See clause 6.10.3.4.1.25.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.51.2.1.4 TFCS

See clause 6.10.3.4.1.51.2.1.4.

6.11.5.4.1.51.2.2 Physical channel parameters

15217. CH Downlink	15218.	Modulation	QPSK
	15219.	Codes and time slots/	SF1 x 1 code x 2 time slots
	15220.	Max. Number of data	2792 bits
	15221.	TFCI code word/ radio	16 bits
	15222.	TPC/ radio frame	2*2 bits
	15223.	SS/ radio frame	2*2 bits
	15224.	Puncturing Limit	0.64

6.11.5.4.1.52 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

6.11.5.4.1.52.1 Uplink

See clause 6.11.5.4.1.51.1

6.11.5.4.1.52.2 Downlink

6.11.5.4.1.52.2.1 Transport channel parameters

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

See clause 6.10.3.4.1.13.2.1.1.

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

See clause 6.10.3.4.1.27.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.52.2.1.4   TFCS

See clause 6.10.3.4.1.52.2.1.4.

6.11.5.4.1.52.2.2   Physical channel parameters

15225. 15226.	15227.	Modulation	QPSK
	15228.	Codes and time slots/	SF 16 x 12 codes x 4 time slots
	15229.	Max. Number of data	4200 bits
	15230.	TFCI code word /	16 bits
	15231.	TPC / radio frame	2 * 2 bits
	15232.	SS / radio frame	2 * 2 bits
	15233.	Puncturing Limit	0.64

6.11.5.4.1.53   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

6.11.5.4.1.53.1   Uplink

6.11.5.4.1.53.1.1   Transport channel parameters

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

See clause 6.10.3.4.1.13.1.1.1.

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

See clause 6.10.3.4.1.28.1.1.1.

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

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.1.53.1.1.4   TFCS

See clause 6.10.3.4.1.53.1.1.4.

6.11.5.4.1.53.1.2   Physical channel parameters

15234.	D15235.	Modulation	QPSK	8PSK

15236.	Codes and time slots/	SF1 x 1 code x 4 time slots	SF1 x 1code x 2 time slots
15237.	Max. Number of data	5608 bits	4188 bits
15238.	TFCI code word/ radio	16 bits	24 bits
15239.	TPC/ radio frame	2*2 bits	2*3 bits
15240.	SS/ radio frame	2*2 bits	2*3 bits
15241.	Puncturing Limit	0.88	0.68

6.11.5.4.1.53.2   Downlink

See clause 6.11.5.4.1.52.2.

6.11.5.4.1.54   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

6.11.5.4.1.54.1   Uplink

See clause 6.11.5.4.1.24.1.

6.11.5.4.1.54.2   Downlink

6.11.5.4.1.54.2.1   Transport channel parameters

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

See clause 6.10.3.4.1.27.2.1.1.

6.11.5.4.1.54.2.1.2   Transport channel parameters for Streaming / unknown / DL:64 kbps / CS or PS RAB

See clause 6.10.3.4.1.18.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.54.2.1.4   TFCS

See clause 6.10.3.4.1.54.2.1.4.

6.11.5.4.1.54.2.2   Physical channel parameters

15242.	15244.	Modulation	QPSK
15243.	15245.	Codes and time slots/	SF 16 x 12 codes x 4 time slots
	15246.	Max. Number of data	4184 bits
	15247.	TFCI code word /	32 bits

	15248.	TPC / radio frame	`2 * 2 bits`
	15249.	SS / radio frame	`2 * 2 bits`
	15250.	Puncturing Limit	`0.64`

6.11.5.4.1.55 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

6.11.5.4.1.55.1 Uplink

See clause 6.11.5.4.1.24.1.

6.11.5.4.1.55.2 Downlink

6.11.5.4.1.55.2.1 Transport channel parameters

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

See clause 6.10.3.4.1.27.2.1.1.

6.11.5.4.1.55.2.1.2 Transport channel parameters for Streaming / unknown / DL:128 kbps / CS or PS RAB

See clause 6.10.3.4.1.20.2.1.1.

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

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.1.55.2.1.4 TFCS

See clause 6.10.3.4.1.55.2.1.4.

6.11.5.4.1.55.2.2 Physical channel parameters

15251. CH Downlink	15252.	Modulation	`QPSK`
	15253.	Codes and time slots/	`SF1 x 1 code x 4 time slots`
	15254.	Max. Number of data	`5592 bits`
	15255.	TFCI code word/ radio	`24 bits`
	15256.	TPC/ radio frame	`2*2 bits`
	15257.	SS/ radio frame	`2*2 bits`
	15258.	Puncturing Limit	`0.64`

6.11.5.4.2 Combinations on PDSCH, SCCPCH, PUSCH and PRACH

6.11.5.4.2.1 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

6.11.5.4.2.1.1 Uplink

6.11.5.4.2.1.1.1 Transport channel parameters

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

See clause 6.10.3.4.2.1.1.1.1.

6.11.5.4.2.1.1.1.2 TFCS for USCH

See clause 6.10.3.4.2.1.1.1.2.

6.11.5.4.2.1.1.1.3 Transport channel parameters for SRB for CCCH and UL SRBs for DCCH and UL SRB for SHCCH mapped on RACH

See clause 6.10.3.4.2.1.1.1.3.

6.11.5.4.2.1.1.2 Physical channel parameters

15259.	15260.	Modulation	QPSK
	15261.	Codes and time slots/	SF 1 x 1 code x 2 time slots
	15262.	Max. Number of data	2792 bits
	15263.	TFCI code word /	16 bits
	15264.	TPC / radio frame	2 * 2 bits
	15265.	SS / radio frame	2 * 2 bits
	15266.	Puncturing Limit	1

Physical channel parameter for PRACH.

See clause 6.11.5.4.5.1.2.

6.11.5.4.2.1.2 Downlink

6.11.5.4.2.1.2.1 Transport channel parameters

6.11.5.4.2.1.2.1.1 Transport channel parameters for Interactive or background / DL: 256 kbps / PS RAB and DL SRB for SHCCH mapped on DSCH

See clause 6.10.3.4.2.1.2.1.1.

6.11.5.4.2.1.2.1.2 TFCS for DSCH

See clause 6.10.3.4.2.1.2.1.2.

6.11.5.4.2.1.2.1.3   Transport channel parameters for DL SRBs for DCCH and SRB for CCCH and SRB for BCCH and DL SRB for SHCCH mapped on FACH

			SRB#0	**SRB#1**	**SRB#2**	**SRB#3**	**SRB#4**	**SRB#5**	**SRB#6**
		15268.RAB/signalling RB							
		15269.User of Radio Bearer	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio	RRC	RRC
		15271.Logical channel type	CCCH	DCCH	DCCH	DCCH	DCCH	SHCCH	BCCH
		15272.RLC mode	UM	UM	AM	AM	AM	UM	TM
		15273.Payload sizes, bit	160	136 or 120*	128	128	128	160	168
		15274.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)
		15275.RLC header, bit	8	8	16	16	16	8	0
MAC		15276.MAC header, bit	3	27 or 43	27	27	27	3	3
		15277.MAC multiplexing	7 logical channel multiplexing						
		15279.TrCH type	FACH						

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15280. TB sizes, bit	171	171	171	171	171	171	171
0x171							
1x171							
2x171							
3x171							
4x171							

		N/A (alt. 5x171)						
		N/A (alt. 6x171)						
	15289.TTI, ms	20						
	15290.Coding type	CC ½						
	15291.CRC, bit	16						
	15292.Max number of bits/ TTI after channel coding	1528 (alt. 2292)	1528 (alt. 2292)	1528 (alt. 2292)	1528 (alt. 2292)	1528 (alt. 2292)	1528 (alt. 2292)	1528 (alt. 2292)

* MAC header size and RLC payload size depend on use of U-RNTI or C-RNTI.

6.11.5.4.2.1.2.1.4 TFCS for FACH

15293.TFCS size	15294.5 (alt. 7)
15295.TFCS	15296.FACH = TF0, TF1, TF2, TF3, TF4 (alt. FACH = TF0, TF1, TF2, TF3, TF4, TF5, TF6)

6.11.5.4.2.1.2.2 Physical channel parameters

15297.	P15298.	Modulation	QPSK	8PSK
	15299.	Codes and time slots/	SF16 x 11 codes x 6 time slots	SF1 x 1 code x 4 time slots
	15300.	Max. Number of data	5784 bits	6511 bits
	15301.	TFCI code word/ radio	16 bits	24 bits
	15302.	TPC/ radio frame	2*2 bits	2*3 bits
	15303.	SS/ radio frame	2*2 bits	2*3 bits
	15304.	Puncturing Limit	0.64	0.72

15305.	15306.	Modulation	QPSK
	15307.	Codes and time slots/	SF16 x 5 codes x 2 time slots
	15308.	Max. Number of data	856 bits
	15309.	TFCI code word/ radio	16 bits
	15310.	TPC/ radio frame	2*2 bits
	15311.	SS/ radio frame	2*2 bits
	15312.	Puncturing Limit	0.72

6.11.5.4.2.2 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

6.11.5.4.2.2.1 Uplink

See clause 6.11.5.4.2.1.1.

6.11.5.4.2.2.2 Downlink

6.11.5.4.2.2.2.1 Transport channel parameters

6.11.5.4.2.2.2.1.1 Transport channel parameters for Interactive or background / DL: 384 kbps / PS RAB and DL SRB for SHCCH mapped on DSCH

See clause 6.10.3.4.2.2.2.1.1.

6.11.5.4.2.2.2.1.2 TFCS for DSCH

See clause 6.10.3.4.2.2.2.1.2.

6.11.5.4.2.2.2.1.3   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 6.11.5.4.2.1.2.1.3.

6.11.5.4.2.2.2.1.4   TFCS for FACH

See clause 6.11.5.4.2.1.2.1.4.

6.11.5.4.2.2.2.2   Physical channel parameters

15313.	15314.	Modulation	QPSK
	15315.	Codes and time slots/	SF 1 x 1 code x 6 time slots
	15316.	Max. Number of data	8424 bits
	15317.	TFCI code word /	16 bits
	15318.	TPC / radio frame	2 * 2 bits
	15319.	SS / radio frame	2 * 2 bits
	15320.	Puncturing Limit	0.64

15321.	15322.	Modulation	QPSK
	15323.	Codes and time slots/	SF 16 x 5 codes x 2 time slots
	15324.	Max. Number of data	856 bits
	15325.	TFCI code word /	16 bits
	15326.	TPC / radio frame	2 * 2 bits
	15327.	SS / radio frame	2 * 2 bits
	15328.	Puncturing Limit	0.72

6.11.5.4.2.3   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

6.11.5.4.2.3.1   Uplink

See clause 6.11.5.4.2.1.1.

6.11.5.4.2.3.2 Downlink

6.11.5.4.2.3.2.1 Transport channel parameters

6.11.5.4.2.3.2.1.1 Transport channel parameters for Interactive or background / DL: 2048 kbps / PS RAB and DL SRB for SHCCH mapped on DSCH

15		15331. RAB/Signalling RB	**RAB**	**SRB#5**
15				
15		15333. Logical channel type	DTCH	SHCCH
		15334. RLC mode	AM	UM
		15335. Payload sizes, bit	1704	160
		15336. Max data rate, bps	2048000	16000
		15337. RLC header, bit	16	8
15		15339. MAC header, bit	0	0
		15340. MAC multiplexing	N/A	N/A
15		15342. TrCH type	DSCH	DSCH
		15343. TB sizes, bit	1720	168
		15345. TF0, bits	0x1720	0x168
		15346. TF1, bits	1x1720	1x168
		15347. TF2, bits	2x1720	N/A
		15348. TF3, bits	4x1720	N/A
		15349. TF4, bits	8x1720	N/A
		15350. TF5, bits	12x1720	N/A
		15351. TF6, bits	N/A (alt. 16x1720)	N/A
		15352. TF7, bits	N/A (alt. 20x1720)	N/A
		15353. TF8, bits	N/A (alt. 24x1720)	N/A
		15354. TTI, ms	10 (alt. 20)	10
		15355. Coding type	No Coding	CC ½
		15356. CRC, bit	24	16

	15357. Max number of bits/TTI after channel coding	`20928 (alt. 41856)`	`384`
	15358. Downlink: Max number of bits/radio frame before rate matching	`20928 (alt. 20928)`	`384`
	15359. RM attribute	`135-175`	`180-220`

6.11.5.4.2.3.2.1.2 TFCS for DSCH

15360. TFCS size	15361. 11 (alt.17)
15362. TFCS	15363. (2048 kbps RAB, SHCCH)=
	15364. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0),
	15365. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1),
	15366. (alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7, TF0), (TF8, TF0),
	15367. (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1))

For better understanding of the TFCS please note that the following combinations are not included in the table above: (TF5, TF1), (TF8, TF1)

6.11.5.4.2.3.2.1.3 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 6.11.5.4.2.1.2.1.3.

6.11.5.4.2.3.2.1.4 TFCS for FACH

See clause 6.11.5.4.2.1.2.1.4.

6.11.5.4.2.3.2.2 Physical channel parameters

15368.	15369.	Modulation	`8PSK`
	15370.	Codes and time slots/	`SF1 x 1 code x 10 time slots`
	15371.	Max. Number of data	`21084 bits`
	15372.	TFCI code word/ radio	`24 bits`
	15373.	TPC/ radio frame	`2*3 bits`
	15374.	SS/ radio frame	`2*3 bits`

	15375.	Puncturing Limit	1

15376.	15377.	Modulation	QPSK
	15378.	Codes and time slots/	SF16 x 5 codes x 2 time slots
	15379.	Max. Number of data	856 bits
	15380.	TFCI code word/ radio	16 bits
	15381.	TPC/ radio frame	2*2 bits
	15382.	SS/ radio frame	2*2 bits
	15383.	Puncturing Limit	0.72

6.11.5.4.3 Combinations on PDSCH, SCCPCH, DPCH, PUSCH and PRACH

6.11.5.4.3.1 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

6.11.5.4.3.1.1 Uplink

6.11.5.4.3.1.1.1 Transport channel parameters

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

See clause 6.10.3.4.1.4.1.1.1.

6.11.5.4.3.1.1.1.2 Transport channel parameters for UL SRBs for DCCH

See clause 6.10.3.4.1.2.1.1.1.

6.11.5.4.3.1.1.1.3 TFCS for DCH

See clause 6.10.3.4.1.4.1.1.3.

6.11.5.4.3.1.1.1.4 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.

6.11.5.4.3.1.1.1.5 TFCS for USCH

See clause 6.10.3.4.2.1.1.1.2.

6.11.5.4.3.1.1.1.6 Transport channel parameters for SRB for CCCH and UL SRB for SHCCH mapped on RACH

See clause 6.10.3.4.3.1.1.1.6.

6.11.5.4.3.1.1.2 Physical channel parameters

Physical channel parameters for uplink DPCH see clause 6.11.5.4.1.4.1.2.

Physical channel parameters for PUSCH see clause 6.11.5.4.2.1.1.2.

Physical channel parameters for PRACH see clause 6.11.5.4.2.1.1.2.

6.11.5.4.3.1.2 Downlink

6.11.5.4.3.1.2.1 Transport channel parameters

6.11.5.4.3.1.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

6.11.5.4.3.1.2.1.2 Transport channel parameters for DL SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.3.1.2.1.3 TFCS for DCH

See clause 6.10.3.4.1.4.2.1.3.

6.11.5.4.3.1.2.1.4 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.

6.11.5.4.3.1.2.1.5 TFCS for DSCH

See clause 6.10.3.4.2.1.2.1.2.

6.11.5.4.3.1.2.1.6 Transport channel parameters for SRB for CCCH and SRB for BCCH and DL SRB for SHCCH mapped on FACH

15386. RAB/Signalling RB	SRB#0	SRB#5	SRB#6
15387. User of Radio Bearer	RRC	RRC	RRC
15389. Logical channel type	CCCH	SHCCH	BCCH
15390. RLC mode	UM	UM	TM
15391. Payload sizes, bit	160	160	168
15392. Max data rate, bps	32000	32000	33600

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		15393. RLC header, bit	8	8	0
	15	15395. MAC header, bit	3		
		15396. MAC multiplexing	3 logical channel multiplexing		
	15	15398. TrCH type	FACH		
		15399. TB sizes, bit	171		
		15401. TF0, bits	0x171		
		15402. TF1, bits	1x171		
		15403. TF2, bits	2x171		
		15404. TF3, bits	3x171		
		15405. TF4, bits	4x171		
		15406. TTI, ms	20		
		15407. Coding type	CC ½		
		15408. CRC, bit	16		
		15409. Max number of bits/TTI after channel coding	1528		
		15410. Max number of bits/radio frame before rate matching	764		

6.11.5.4.3.1.2.1.7 TFCS for FACH

	15411. TFCS size	5
	15412. TFCS	FACH = TF0, TF1,TF2,TF3,TF4

6.11.5.4.3.1.2.2 Physical channel parameters

Physical channel parameters for downlink for DPCH see clause 6.11.5.4.1.4.2.2.

Physical channel parameters for downlink for PDSCH see clause 6.11.5.4.2.1.2.2.

Physical channel parameters for SCCPCH see clause 6.11.5.4.2.1.2.2.

6.11.5.4.3.2 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

6.11.5.4.3.2.1 Uplink

See clause 6.11.5.4.3.1.1.

6.11.5.4.3.2.2 Downlink

6.11.5.4.3.2.2.1 Transport channel parameters

6.11.5.4.3.2.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.1.4.1.4.2.1.1.

6.11.5.4.3.2.2.1.2 Transport channel parameters for DL SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.3.2.2.1.3 TFCS for DCH

See clause 6.10.3.4.1.4.2.1.3.

6.11.5.4.3.2.2.1.4 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.

6.11.5.4.3.2.2.1.5 TFCS for DSCH

See clause 6.10.3.4.2.2.2.1.2.

6.11.5.4.3.2.2.1.6 Transport channel parameters for SRB for CCCH and SRB for BCCH and DL SRB for SHCCH mapped on FACH

See clause 6.11.5.4.3.1.2.1.6.

6.11.5.4.3.2.2.1.7 TFCS for FACH

See clause 6.11.5.4.3.1.2.1.7.

6.11.5.4.3.2.2.2 Physical channel parameters

Physical channel parameters for downlink for DPCH see clause 6.11.5.4.1.4.2.2.

Physical channel parameters for downlink for PDSCH see clause 6.11.5.4.2.2.2.2.

Physical channel parameters for downlink for SCCPCH see clause 6.11.5.4.2.1.2.2.

6.11.5.4.3.3 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

6.11.5.4.3.3.1 Uplink

See clause 6.11.5.4.3.1.1.

6.11.5.4.3.3.2 Downlink

6.11.5.4.3.3.2.1 Transport channel parameters

6.11.5.4.3.3.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

6.11.5.4.3.3.2.1.2 Transport channel parameters for DL SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.11.5.4.3.3.2.1.3 TFCS for DCH

See clause 6.10.3.4.1.4.2.1.3.

6.11.5.4.3.3.2.1.4 Transport channel parameters for Interactive or background / DL: 2048 kbps / PS RAB
and DL SRB for SHCCH mapped on DSCH

See clause 6.11.5.4.2.3.2.1.2.

6.11.5.4.3.3.2.1.5 TFCS for DSCH

See clause 6.11.5.4.2.3.2.1.4.

6.11.5.4.3.3.2.1.6 Transport channel parameters for SRB for CCCH and SRB for BCCH and DL SRB for
SHCCH mapped on FACH

See clause 6.11.5.4.3.1.2.1.6.

6.11.5.4.3.3.2.1.7 TFCS for FACH

See clause 6.11.5.4.3.1.2.1.7.

6.11.5.4.3.3.2.2 Physical channel parameters

Physical channel parameters for downlink DPCH see clause 6.11.5.4.1.4.2.2.

Physical channel parameters for PDSCH see clause 6.11.5.4.2.3.2.2.

Physical channel parameters for SCCPCH see clause 6.11.5.4.2.1.2.2.

6.11.5.4.4 Combinations on SCCPCH

6.11.5.4.4.1 Stand-alone signalling RB for PCCH

6.11.5.4.4.1.1 Transport channel parameters

6.11.5.4.4.1.1.1 Transport channel parameter of SRB for PCCH

15413. Higher layer	15414. RAB/signalling RB	**SRB**	
	15415. User of Radio Bearer	RRC	
15416. RLC	15417. Logical channel type	PCCH	
	15418. RLC mode	TM	
	15419. Payload sizes, bit	240 (alt. 80)	
	15420. Max data rate, bps	24000 (alt. 8000)	
	15421. RLC header, bit	0	
15422. MAC	15423. MAC header, bit	0	
	15424. MAC multiplexing	N/A	
15425. Layer 1	15426. TrCH type	PCH	
	15427. TB sizes, bit	240 (alt. 80)	
	15428. TFS	15429. TF0, bits	0x240 (alt. 0x80)
		15430. TF1, bits	1x240 (alt. 1x80)
		15431. TF2, bits	2x240 (alt. 2x80)
	15432. TTI, ms	20	
	15433. Coding type	CC 1/2	
	15434. CRC, bit	16	
	15435. Max number of bits/TTI before rate matching	1056 (alt. 400)	

	15436. RM attribute	210-250

6.11.5.4.4.1.1.2   TFCS

15437. TFCS size	15438. 3	
15439. TFCS	15440. SRBs for PCCH = TF0, TF1,TF2	

6.11.5.4.4.1.2   Physical channel parameters

15441.	15442.	Modulation	QPSK
	15443.	Codes and time slots/	SF16 x 2 codes x 2 time slots
	15444.	Max. Number of data	344 bits
	15445.	TFCI code word/ radio	8 bits
	15446.	TPC/ radio frame	0 bits
	15447.	SS/ radio frame	0 bits
	15448.	Puncturing Limit	0.64

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

6.11.5.4.4.2.1   Transport channel parameters

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

	15450. RAB/signalling RB	RAB
	15451. User of Radio Bearer	Interactive/ Background RAB

		15453. Logical channel type	DTCH
		15454. RLC mode	AM
		15455. Payload sizes, bit	320
		15456. Max data rate, bps	32000
		15457. RLC header, bit	16
		15459. MAC header, bit	27
		15460. MAC multiplexing	N/A
		15462. TrCH type	FACH
		15463. TB sizes, bit	363
	15464. TFS	15465. TF0, bits	0 x363
		15466. TF1, bits	1x363
		15467. TF2, bits	2x363
		15468. TTI, ms	20
		15469. Coding type	TC
		15470. CRC, bit	16
		15471. Max number of bits/TTI before rate matching	2286
		15472. RM attribute	110-150

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

			SRB#1	SRB#2	SRB#3	SRB#4	SRB#5	SRB#6
		15474. RAB/signalling RB	SRB#1	SRB#2	SRB#3	SRB#4	SRB#5	SRB#6
		15475. User of Radio Bearer	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio	RRC
		15477. Logical channel type	CCCH	DCCH	DCCH	DCCH	DCCH	BCCH
		15478. RLC mode	UM	UM	AM	AM	AM	TM
		15479. Payload sizes, bit	160	136 or 120	128	128	128	168

		15480. Max data rate, bps	32000 (alt. 48000)	27200 or 2400 (alt. 40800 or 36000)	25600 (alt. 38400)	25600 (alt. 38400)	25600 (alt. 38400)	33600 (alt. 50400)
		15481. RLC header, bit	8	8	16	16	16	0
		15483. MAC header, bit	3	27 or 43	27	27	27	3
		15484. MAC multiplexing	6 logical channel multiplexing					
		15486. TrCH type	FACH					
		15487. TB sizes, bit	171					
	15	15489 F0, bits	0x171					
		15490 F1, bits	1x171					
		15491 F2, bits	2x171					
		15492 F3, bits	3x171					

	15493. F4, bits	4x171	
	15494. F5, bits	N/A (alt. 5x171)	
	15495. F6, bits	N/A (alt. 6x171)	
	15496. TTI, ms	20	
	15497. Coding type	CC ½	
	15498. CRC, bit	16	
	15499. Max number of bits/TTI before rate matching	1528 (alt. 2292)	
	15500. RM attribute	200-240	

* MAC header size and RLC payload size depend on use of U-RNTI or C-RNTI.

6.11.5.4.4.2.1.3 TFCS

15501. TFCS size	*15502.* 15 (alt. 21)
15503. TFC	15504. (32kbps RAB, SRBs for CCCH/DCCH/BCCH) = 15505. (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,

S	TF2), (TF2, TF3), (TF2, TF4),
	15506. (alt. (TF0, TF0), (TF0, TF1), (TF0, TF2), (TF0, TF3), (TF0, TF4), (TF0, TF5), (TF0, TF6),
	15507. (TF1, TF0), (TF1, TF1), (TF1, TF2), (TF1, TF3), (TF1, TF4), (TF1, TF5), (TF1, TF6),
	15508. (TF2, TF0), (TF2, TF1), (TF2, TF2), (TF2, TF3), (TF2, TF4), (TF2, TF5), (TF2, TF6))

6.11.5.4.4.2.2 Physical channel parameters

15509.	15510.	Modulation	QPSK
	15511.	Codes and time slots/	SF 16 x 9 codes x 2 time slots
	15512.	Max. Number of data	1560 bits
	15513.	TFCI code word /	16 bits
	15514.	TPC / radio frame	2 * 2 bits
	15515.	SS / radio frame	2 * 2 bits
	15516.	Puncturing Limit	0.68

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

6.11.5.4.4.3.1 Transport channel parameters

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

See clause 6.11.5.4.4.2.1.

6.11.5.4.4.3.1.2 Transport channel parameters of SRB for PCCH

See clause 6.11.5.4.4.1.1.

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

See clause 6.11.5.4.4.2.1.2.

6.11.5.4.4.3.1.4 TFCS

15517. TFCS size	15518. 45 (alt. 63)

15519. T F C S	15520. (32 kbps RAB, SRB for PCCH, SRBs for CCCH/ DCCH/ BCCH) =
	15521.
	15522. (TF0, 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, TF2, TF3), (TF2, TF2, TF4)
	15523. (alt. (TF0, TF0, TF0), (TF0, TF0, TF1), (TF0, TF0, TF2), (TF0, TF0, TF3), (TF0, TF0, TF4), (TF0, TF0, TF5), (TF0, TF0, TF6),(TF0, TF1, TF0), (TF0, TF1, TF1), (TF0, TF1, TF2), (TF0, TF1, TF3), (TF0, TF1, TF4), (TF0, TF1, TF5), (TF0, TF1, TF6),(TF0, TF2, TF0), (TF0, TF2, TF1), (TF0, TF2, TF2), (TF0, TF2, TF3), (TF0, TF2, TF4), (TF0, TF2, TF5), (TF0, TF2, TF6),
	15524. (TF1, TF0, TF0), (TF1, TF0, TF1), (TF1, TF0, TF2), (TF1, TF0, TF3), (TF1, TF0, TF4), (TF1, TF0, TF5), (TF1, TF0, TF6),(TF1, TF1, TF0), (TF1, TF1, TF1), (TF1, TF1, TF2), (TF1, TF1, TF3), (TF1, TF1, TF4), (TF1, TF1, TF5), (TF1, TF1, TF6),(TF1, TF2, TF0), (TF1, TF2, TF1), (TF1, TF2, TF2), (TF1, TF2, TF3), (TF1, TF2, TF4), (TF1, TF2, TF5), (TF1, TF2, TF6),(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, TF2, TF0), (TF2, TF2, TF1), (TF2, TF2, TF2), (TF2, TF2, TF3), (TF2, TF2, TF4), (TF2, TF2, TF5) (TF2, TF2, TF6))

6.11.5.4.4.3.2 Physical channel parameters

15525. -CCPCH 15526.	15527.	Modulation	QPSK
	15528.	Codes and time slots/	SF16 x 10 codes x 2 time slots
	15529.	Max. Number of data	1728 bits
	15530.	TFCI code word/ radio	32 bits
	15531.	TPC/ radio frame	0 bits
	15532.	SS/ radio frame	0 bits
	15533.	Puncturing Limit	0.64

6.11.5.4.5 Combinations on PRACH

6.11.5.4.5.1 SRB for CCCH + SRBs for DCCH

6.11.5.4.5.1.1 Transport channel parameters

6.11.5.4.5.1.1.1 Transport channel parameter for SRB for CCCH, SRBs for DCCH

			SRB#1	**SRB#2**	**SRB#3**	**SRB#4**	**SRB#5**
		15535.RAB/signalling RB					
		15536.User of Radio Bearer	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio
		15538.Logical channel type	CCCH	DCCH	DCCH	DCCH	DCCH
		15539.RLC mode	TM	UM	AM	AM	AM
		15540.Payload sizes, bit	168	136	128	128	128
		15541.Max data rate, bps	16800	13600	12800	12800	12800
		15542.RLC header, bit	0	8	16	16	16
		15544.MAC header, bit	2	26	26	26	26

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	15545. MAC multiplexing	5 logical channel multiplexing				
	15547. TrCH type	RACH				
	15548. TB sizes, bit	170	170	170	170	170
		1x170				
	15551. TTI, ms	10				
	15552. Coding type	CC ½				
	15553. CRC, bit	16				
	15554. Max number of bits/ TTI after channel coding	388	388	388	388	388

	15555.Max number of bits/ Radio frame before rate matching	388	388	388	388	388

6.11.5.4.5.1.1.2 TFCS

See clause 6.10.3.4.5.1.1.2

6.11.5.4.5.1.2 Physical channel parameters

15556.	15557.	Modulation	QPSK
	15558.	Codes and time slots/	SF 8 x 1 code x 2 time slots
	15559.	Max. Number of data	352 bits
	15560.	TPC / radio frame	0 bits
	15561.	SS / radio frame	0 bits
	15562.	Puncturing Limit	0.88

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

6.11.5.4.5.2.1 Transport channel parameters

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

	15564.RAB/signalling RB	**RAB**
	15565.User of Radio Bearer	Interactive/ Background RAB

	15567. Logical channel type	DTCH	
	15568. RLC mode	AM	
	15569. Payload sizes, bit	320	
	15570. Max data rate, bps	32000	
	15571. AMD/ UMD/TrD PDU header, bit	16	
MAC	15572. MAC header, bit	24	
	15573. MAC multiplexing		15574.
	15576. TrCH type		15577. RACH
	15578. TB sizes, bit		15579. 360

			15582.1x 360
	15583.TTI, ms		15584.10
	15585.Coding type		15586.CC ½
	15587.CRC, bit		15588.16
	15589.Max number of bits/ TTI after channel coding		15590.768
	15591.Max number of bits/ Radio frame before rate matching		15592.768

6.11.5.4.5.2.1.2   Transport channel parameters for SRB for CCCH + SRBs for DCCH

See the Chapter 6.11.5.4.5.1.1.1.

6.11.5.4.5.2.1.3   TFCS

15593.TF	15594.2

C S siz e	
15595. T F C S	15596. 32 kbps + SRBs for CCCH/ DCCH = TF0, TF1

6.11.5.4.5.2.2 Physical channel parameters

15597.	15598.	Modulation	QPSK
	15599.	Codes and time slots/	SF 4 x 1 code x 2 time slots
	15600.	Max. Number of data	704 bits
	15601.	TPC / radio frame	0 bits
	15602.	SS / radio frame	0 bits
	15603.	Puncturing Limit	0.88

For physical channel parameters for SRB for CCCH + SRBs for DCCH see clause 6.11.5.4.5.1.2.

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
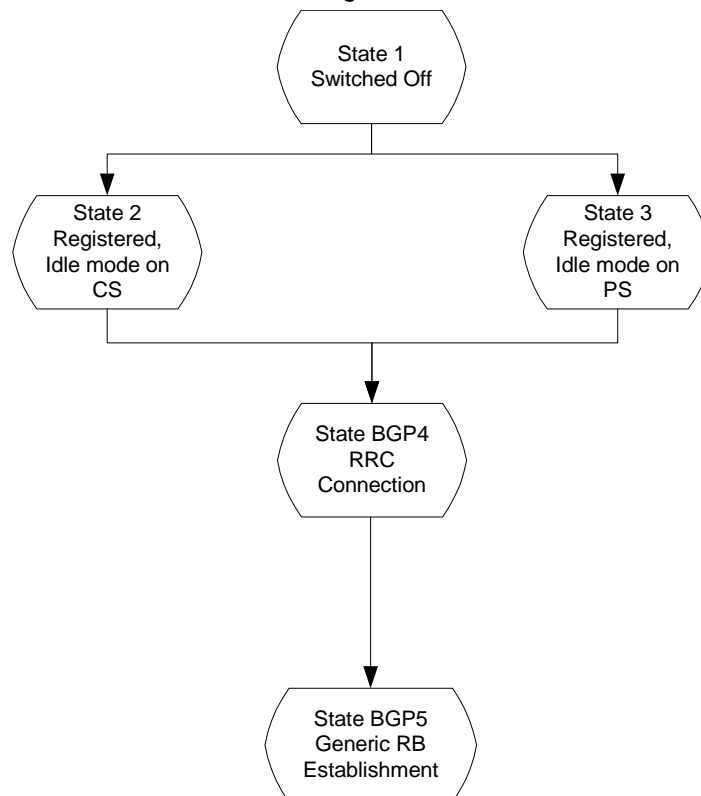
```
                    ┌─────────────┐
                    │  State 1    │
                    │ Switched Off│
                    └──────┬──────┘
            ┌──────────────┼──────────────┐
            ▼                              ▼
    ┌──────────────┐              ┌──────────────┐
    │  State 2     │              │  State 3     │
    │ Registered,  │              │ Registered,  │
    │ Idle mode on │              │ Idle mode on │
    │     CS       │              │     PS       │
    └──────┬───────┘              └──────┬───────┘
           └──────────────┬──────────────┘
                          ▼
                  ┌──────────────┐
                  │ State BGP4   │
                  │    RRC       │
                  │ Connection   │
                  └──────┬───────┘
                         │
                         ▼
                  ┌──────────────┐
                  │ State BGP5   │
                  │ Generic RB   │
                  │Establishment │
                  └──────────────┘
```

In order that the UE can set up a call in UTRAN, there are a number of procedures to be undertaken in a hierachical 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
1560 State 1	**15605. Power OFF**	1560	1560	1560	1560	1561
1561 State 2	**15612. CS Registered Idle Mode**	1561	1561	1561	1561	1561
1561 State 3	**15619. PS Registered Idle Mode**	1562	1562	1562	1562	1562
1562 State 3GPP 4	**15626. RRC Connection**	1562	1562	1562	1563	1563
1563 State 3GPP 5	**15633. Generic RB Establishment**	1563	1563	1563	1563	1563

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	←		15639. SYSTEM INFORMATION (BCCH)	15640. Default SI messages
2	←		15641. PAGING TYPE 1 (PCCH)	15642. Sent on appropriate cycle
3	→		15643. RRC CONNECTION REQUEST (CCCH)	15644. RRC
4	←		15645. RRC CONNECTION SETUP (CCCH)	15646. RRC
5	→		15647. RRC CONNECTION SETUP COMPLETE (DCCH)	15648. 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:

Information Element	Value/Remark
15649. Message Type	15650. PAGING TYPE 1
15651. **UE Information elements**	15652.

15653. Paging record list	15654. aging record	15655. CN originator	15656. Paging cause	15657. Terminating Speech Call (note)
15658.	15659.	15660.	15661. CN domain identity	15662. CS domain (note)

NOTE: These defaults are applied if no subsequent procedure is to be run. Otherwise, the Paging cause and CN domain identity are selected in accordance with the requirements of the following procedure.				
15663.	15664.	15665.	15666. TMSI (GSM-MAP)	15667. As specified during Registration procedure
15668.				
15669. Other information elements		15671.		15672.
15673. BCCH modification info				15674. omit

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	Value/Remark
15675. Message Type	15676. RRC CONNECTION REQUEST
15677. UE information elements	15678.

15679. Initial UE identity	15680. T M SI an d L AI	15681. TMSI (GSM-MAP)	15682. As specified during Registration procedure
15683.	15684.	15685. LAI (GSM-MAP)	15686. As specified by default 1 cell environment
15687. Initial UE capability	15688. Maximum number of AM entities		15689. As declared in UE ICS
15690. Establishment cause			15691. As appropriate
15692. Protocol error indicator			15693. FALSE
15694. >UE Specific Behaviour Information 1 idle			15695. This IE will not be checked by default behaviour, but in specific test case.
15696.			
15697. **Measurement information elements**			15698.
15699. Measured results on RACH			15700. 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
15701. Message Type			15702. RRC CONNECTION SETUP
15703. **UE Information Elements**			15704.
15705. Initial UE identity	15706. T M SI an d L AI	15707. TMSI (GSM-MAP)	15708. As specified during Registration procedure
15709.	15710.	15711. LAI (GSM-MAP)	15712. As specified by default 1 cell environment

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15713.			
15714. RB Information Elements			
15715. Use default			
15716. TrCH Information Elements			
15717. Use default			
15718. TrCH Information Elements			
15719. Frequency info			15720. As specified by default 1 cell environment
15721.			
15722. Use default			
15723. **Downlink radio resources**	15724.	15725.	15726.
15727. Use default			

7.1.2.4.4   RRC CONNECTION SETUP COMPLETE

This message is sent by the UE to the SS using AM-RLC SAP. The message is sent on the DCCH Logical channel.

Information Element			Value/Remark
15728. Message Type			15729. RRC CONNECTION SETUP COMPLETE
15730. UE Information Elements			15731.
15732. Hyper frame number			15733. Not checked
15734. UE radio access capability	15735. Conformance test compliance		15736. R99
15737.	15738. PDCP capability	15739. Support for lossless SRNS relocation	15740. Not checked
15741.	15742.	15743. Supported algorithm types	15744. Not checked

Information Element			Value/Remark
15745.	15746. RLC capability	15747. Total RLC AM buffer size	15748. Not checked
15749.	15750.	15751. Maximum number of AM entities	15752. Not checked
15753.	15754. Transport channel capability	15755. **Downlink**	
15756.	15757.	15758. Max no of bits received	15759. Not checked
15760.	15761.	15762. Max convolutionally coded bits received	15763. Not checked
15764.	15765.	15766. Max turbo coded bits received	15767. Not checked
15768.	15769.	15770. Maximum number of simultaneous transport channels	15771. Not checked
15772.	15773.	15774. Max no of received transport blocks	15775. Not checked
15776.	15777.	15778. Maximum number of TFC in the TFCS	15779. Not checked
15780.	15781.	15782. Maximum number of TF	15783. Not checked
15784.	15785.	15786. Support for turbo decoding	15787. Not checked
15788.	15789.	15790. **Uplink**	

Information Element			Value/Remark
15791.	15792.	15793. Max no of bits transmitted	15794. Not checked
15795.	15796.	15797. Max convolutionally coded bits received	15798. Not checked
15799.	15800.	15801. Max turbo coded bits received	15802. Not checked
15803.	15804.	15805. Maximum number of simultaneous transport channels	15806. Not checked
15807.	15808.	15809. Max no of transmitted transport blocks	15810. Not checked
15811.	15812.	15813. Maximum number of TFC in the TFCS	15814. Not checked
15815.	15816.	15817. Maximum number of TF	15818. Not checked
15819.	15820.	15821. Support for turbo encoding	15822. Not checked
15823.	15824. RF capability	15825. UE power class	15826. As declared for UE
15827.	15828.	15829. Tx/Rx frequency separation	15830. Not checked
15831.	15832. Physical channel capability	15833. **Downlink**	

Information Element			Value/Remark
15834.	15835.	15836. Maximum number of simultaneous CCTrCH	15837. Not checked
15838.	15839.	15840. Max no DPCH/PDSCH codes	15841. Not checked
15842.	15843.	15844. Max no physical channel bits received	15845. Not checked
15846.	15847.	15848. Support for SF 512	15849. Not checked
15850.	15851.	15852. Support of PDSCH	15853. Not checked
15854.	15855.	15856. Simultaneous reception of SCCPCH and DPCH	15857. Not checked
15858.	15859.	15860. Max no of S-CCPCH RL	15861. Not checked
15862.	15863.	15864. **Uplink**	
15865.	15866.	15867. Maximum number of DPDCH bits transmitted per 10 ms	15868. Not checked
15869.	15870.	15871. Support of PCPCH	15872. Not checked
15873.	15874. UE multi-mode/ multi-RAT capability	15875. Multi-RAT capability	15876.
15877.	15878.	15879. Multi-mode capability	15880. FDD or FDD/TDD

Information Element			Value/Remark
15881.	15882.Security capability	15883.Ciphering algorithm capability	15884. Not checked
15885.	15886.	15887.Integrity protection algorithm capability	15888. Not checked
15889.	15890.LCS capability	15891.Standalone location method(s) supported	15892. Not checked
15893.	15894.	15895.UE based OTDOA supported	15896. Not checked
15897.	15898.	15899.Network Assisted GPS support	15900. Not checked
15901.	15902.	15903.GPS reference time capable	15904. Not checked
15905.	15906.	15907.Support for IPDL	15908. Not checked
15909.	15910.Measurement capability	15911.Need for downlink compressed mode	15912. Not checked
15913.	15914.	15915.FDD measurements DL	15916. Not checked
15917.	15918.	15919.TDD measurements DL	15920. Not checke
15921.	15922.	15923.GSM 900 DL	15924. Not checked

Information Element			Value/Remark
15925.	15926.	15927. DCS 1800 DL	15928. Not checked
15929.	15930.	15931. GSM 1900 DL	15932. Not checked
15933.	15934.	15935. Multi-carrier measurement DL	15936. Not checked
15937.	15938.	15939. Need for uplink compressed mode	15940. Not checked
15941.	15942.	15943. FDD measurements UL	15944. Not checked
15945.	15946.	15947. TDD measurements UL	15948. Not checked
15949.	15950.	15951. GSM 900 UL	15952. Not checked
15953.	15954.	15955. DCS 1800 UL	15956. Not checked
15957.	15958.	15959. GSM 1900 UL	15960. Not checked
15961.	15962.	15963. Multi-carrier measurement UL	15964. Not checked
15965. UE system specific capability			15966. 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	←		15967. RADIO BEARER SETUP (DCCH)	15968. RRC
2	→		15969. RADIO BEARER SETUP COMPLETE (DCCH)	15970. 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
15971. Message Type	15972. RADIO BEARER SETUP
15973. **UE Information Elements**	
15974. **CN Information Elements**	
15975. **RB Information Elements**	
15976. RAB information for setup	15977. Default parameters for 12.2 kbps speech RAB + 3.4 kbps signalling radio bearer according to TS 34.108 clause 6.10.2.4.1.4 for FDD, clause 6.10.3.4.1.4 for 3.84 Mcps TDD and 6.11.5.4.1.4 for 1.28 Mcps TDD

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
15978. Message Type	15979. RADIO BEARER SETUP COMPLETE
15980. 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
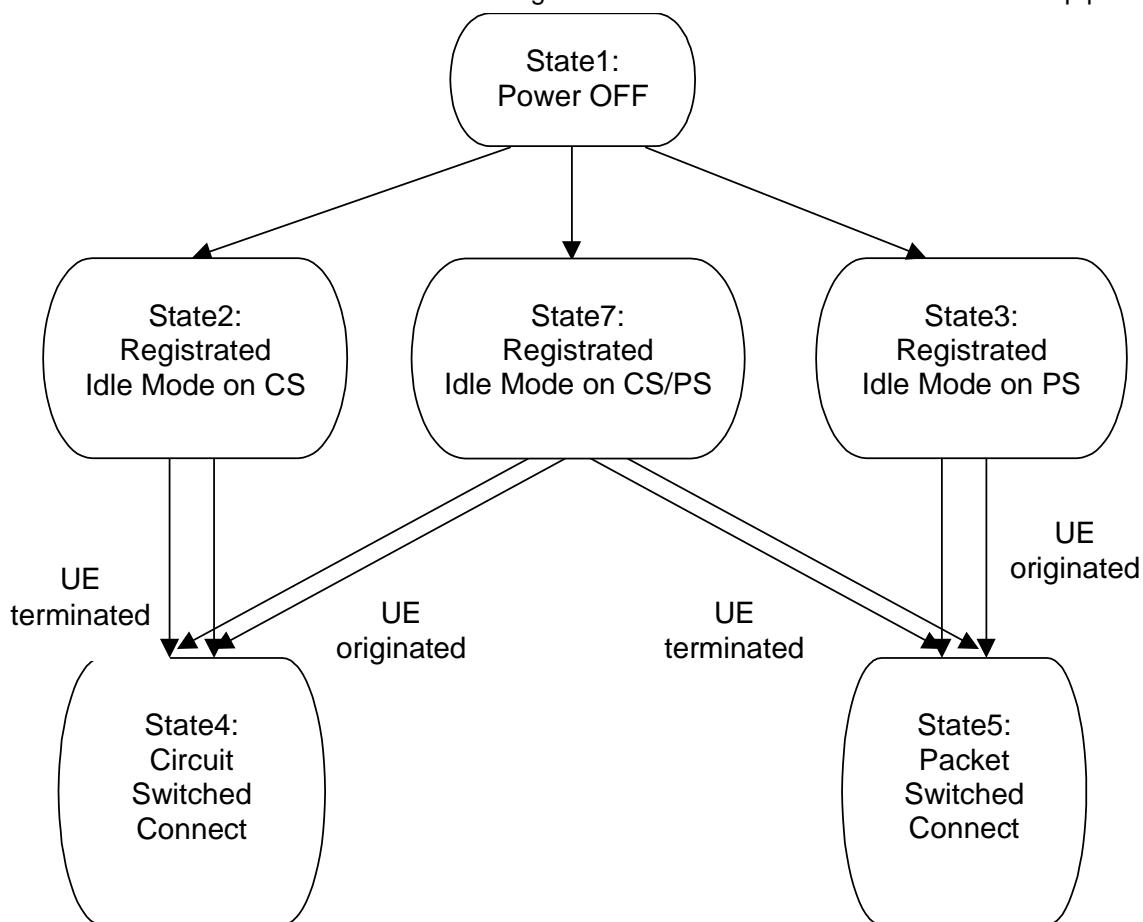
In order that the UE can set up a call in UTRAN, there are a number of procedures to be undertaken in a hierarchical sequence to move between known states. The sequences are shown in figure 7.2.1.1 and the status of the relevant protocols in the UE in the different states are given in table 7.2.1.1.

Table 7.2.1.1: The UE states

		RRC	CC	MM	SM	GMM
	15982. Power OFF	15983 ----	15984 null	15985 etached	15986 inactive	15987 etached
	15989. Registered Idle Mode on CS	15990 idle	15991 null	15992 idle	15993 inactive	15994 etached
	15996. Registered Idle Mode on PS	15997 idle	15998 null	15999 etached	16000 inactive	16001 idle
	16003. Circuit Switched Connect	16004 connected	16005 active	16006 connected	16007 inactive	16008 as previous state

	16010. Packet Switched Connect	16011 connected	16012 null	16013 are as previous state	16014 active	16015 connected
	16017. Registered Idle Mode on CS/PS	16018 idle	16019 null	16020 idle	16021 inactive	16022 idle

7.2.2 Registration of UE

The default procedures required to achieve the changes of state between State 1, in clause 7.2.1, and States 2, 3 and 7 are illustrated in the following sections.

The choice of which procedure to use given a UE supporting packet services is influenced by the Network Mode of Operation being simulated by the SS and by the Operation Mode of the UE, as described in [32] clause 1.7.2.2. Table 7.2.2 shows the appropriate clause number for each combination of these two modes of operation.

Table 7.2.2: Registration Procedures for UEs Supporting Packet Services

Network Mode		NMO I	NMO II
	1	16025.7.2.2.3	16026.7.2.2.4
	1	16028.7.2.2.2	16029.7.2.2.2

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	<--		16030. SYSTEM INFORMATION (BCCH)	16031. NW Broadcast
2	-->		16032. RRC CONNECTION REQUEST (CCCH)	16033. RRC
3	<--		16034. RRC CONNECTION SETUP (CCCH)	16035. RRC
4	-->		16036. RRC CONNECTION SETUP COMPLETE (DCCH)	16037. RRC
5	-->		16038. LOCATION UPDATING REQUEST	16039. MM
6	<--		16040. AUTHENTICATION REQUEST	16041. MM
7	-->		16042. AUTHENTICATION RESPONSE	16043. MM
8	<--		16044. SECURITY MODE COMMAND	16045. RRC
9	-->		16046. SECURITY MODE COMPLETE	16047. RRC
10	<--		16048. LOCATION UPDATING ACCEPT	16049. MM
11	-->		16050. TMSI REALLOCATION COMPLETE	16051. MM
12	<--		16052. RRC CONNECTION RELEASE	16053. RRC
13	-->		16054. RRC CONNECTION RELEASE COMPLETE	16055. 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	<--		16056. SYSTEM INFORMATION (BCCH)	16057. NW Broadcast
2	-->		16058. RRC CONNECTION REQUEST (CCCH)	16059. RRC
3	<--		16060. RRC CONNECTION SETUP (CCCH)	16061. RRC
4	-->		16062. RRC CONNECTION SETUP COMPLETE (DCCH)	16063. RRC
5	-->		16064. ATTACH REQUEST	16065. GMM
6	<--		16066. AUTHENTICATION AND CIPHERING REQUEST	16067. GMM
7	-->		16068. AUTHENTICATION AND CIPHERING RESPONSE	16069. GMM
8	<--		16070. SECURITY MODE COMMAND	16071. RRC
9	-->		16072. SECURITY MODE COMPLETE	16073. RRC
10	<--		16074. ATTACH ACCEPT	16075. GMM
11	-->		16076. ATTACH COMPLETE	16077. GMM
12	<--		16078. RRC CONNECTION RELEASE	16079. RRC
13	-->		16080. RRC CONNECTION RELEASE COMPLETE	16081. 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 operating in network operation mode I, 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

The default system information messages are used.

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	<--		16082. SYSTEM INFORMATION (BCCH)	16083. NW Broadcast
2	-->		16084. RRC CONNECTION REQUEST (CCCH)	16085. RRC
3	<--		16086. RRC CONNECTION SETUP (CCCH)	16087. RRC
4	-->		16088. RRC CONNECTION SETUP COMPLETE (DCCH)	16089. RRC
5	-->		16090. ATTACH REQUEST	16091. GMM
6	<--		16092. AUTHENTICATION AND CIPHERING REQUEST	16093. GMM
7	-->		16094. AUTHENTICATION AND CIPHERING RESPONSE	16095. GMM
8	<--		16096. SECURITY MODE COMMAND	16097. RRC
9	-->		16098. SECURITY MODE COMPLETE	16099. RRC
10	<--		16100. ATTACH ACCEPT	16101. GMM
11	-->		16102. ATTACH COMPLETE	16103. GMM
12	<--		16104. RRC CONNECTION RELEASE	16105. RRC
13	-->		16106. RRC CONNECTION RELEASE COMPLETE	16107. 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".

7.2.2.4 Registration on CS / PS non-combined environment

7.2.2.4.1 Initial condition

System Simulator:

- 1 cell operating in network operation mode II, default parameters.

User Equipment:

- The UE set to Operation mode A

- The UE shall be operated under normal test conditions.

- The Test-USIM shall be inserted.

7.2.2.4.2 Definition of system information messages

The default system information messages are used.

7.2.2.4.3 Procedure

Registration of UE for SS shall be established under ideal radio conditions as defined in 5. Reference Test Conditions.

Registrations in the CS domain and in the PS domain shall execute independently. The separate procedures shall be as defined in clauses 7.2.2.1 and 7.2.2.2.

The separate registration procedures may occur sequentially or in parallel. If the procedures occur sequentially either the same RRC connection may be used for both, or alternatively a separate RRC connection may be used for each registration procedure.

7.2.2.4.4 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

The default system information messages are used.

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	<--		16108. SYSTEM INFORMATION (BCCH)	16109. Broadcast
2	<--		16110. PAGING (PCCH)	16111. Paging
3	-->		16112. RRC CONNECTION REQUEST (CCCH)	16113. RRC
4	<--		16114. RRC CONNECTION SETUP (CCCH)	16115. RRC
5	-->		16116. RRC CONNECTION SETUP COMPLETE (DCCH)	16117. RRC
6	-->		16118. PAGING RESPONSE	16119. RR
7	<--		16120. AUTHENTICATION REQUEST	16121. MM
8	-->		16122. AUTHENTICATION RESPONSE	16123. MM
9	<--		16124. SECURITY MODE COMMAND	16125. RRC
10	-->		16126. SECURITY MODE COMPLETE	16127. RRC
11	<--		16128. SET UP	16129. CC
12	-->		16130. CALL CONFIRMED	16131. CC
13	<--		16132. RADIO BEARER SETUP	16133. RRC RAB SETUP
14	-->		16134. RADIO BEARER SETUP COMPLETE	16135. RRC
15	-->		16136. ALERTING	16137. CC (this message is optional)
16	-->		16138. CONNECT	16139. CC
17	<--		16140. CONNECT ACKNOWLEDGE	16141. 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

The default system information messages are used.

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	<--		16142. SYSTEM INFORMATION (BCCH)	16143. Broadcast
2	-->		16144. RRC CONNECTION REQUEST (CCCH)	16145. RRC
3	<--		16146. RRC CONNECTION SETUP (CCCH)	16147. RRC
4	-->		16148. RRC CONNECTION SETUP COMPLETE (DCCH)	16149. RRC
5	-->		16150. CM SERVICE REQUEST	16151. MM
6	<--		16152. AUTHENTICATION REQUEST	16153. MM
7	-->		16154. AUTHENTICATION RESPONSE	16155. MM
8	<--		16156. SECURITY MODE COMMAND	16157. RRC
9	-->		16158. SECURITY MODE COMPLETE	16159. RRC
10	-->		16160. SET UP	16161. CC
11	<--		16162. CALL PROCEEDING	16163. CC
12	<--		16164. RADIO BEARER SETUP	16165. RRC RAB SETUP
13	-->		16166. RADIO BEARER SETUP COMPLETE	16167. RRC
14	<--		16168. ALERTING	16169. CC
15	<--		16170. CONNECT	16171. CC
16	-->		16172. CONNECT ACKOWLEDGE	16173. 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

The default system information messages are used.

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	<--		16174. SYSTEM INFORMATION (BCCH)	16175. Broadcast
2	<--		16176. PAGING TYPE1 (PCCH)	16177. Paging
3	-->		16178. RRC CONNECTION REQUEST (CCCH)	16179. RRC
4	<--		16180. RRC CONNECTION SETUP (CCCH)	16181. RRC
5	-->		16182. RRC CONNECTION SETUP COMPLETE (DCCH)	16183. RRC
6	-->		16184. SERVICE REQUEST	16185. GMM
7	<--		16186. AUTHENTICATION AND CIPHERING REQUEST	16187. GMM
8	-->		16188. AUTHENTICATION AND CIPHERING RESPONSE	16189. GMM
9	<--		16190. SECURITY MODE COMMAND	16191. RRC
10	-->		16192. SECURITY MODE COMPLETE	16193. RRC
11	<--		16194. REQUEST PDP CONTEXT ACTIVATION	16195. SM
12	-->		16196. ACTIVATE PDP CONTEXT REQUEST	16197. SM
13	<--		16198. RADIO BEARER SETUP	16199. RRC RAB SETUP
14	-->		16200. RADIO BEARER SETUP COMPLETE	16201. RRC
15	<--		16202. ACTIVATE PDP CONTEXT ACCEPT	16203. 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

The default system information messages are used.

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	<--		16204. SYSTEM INFORMATION (BCCH)	16205. Broadcast
2	-->		16206. RRC CONNECTION REQUEST (CCCH)	16207. RRC
3	<--		16208. RRC CONNECTION SETUP (CCCH)	16209. RRC
4	-->		16210. RRC CONNECTION SETUP COMPLETE (DCCH)	16211. RRC
5	-->		16212. SERVICE REQUEST	16213. GMM
6	<--		16214. AUTHENTICATION AND CIPHERING REQUEST	16215. GMM
7	-->		16216. AUTHENTICATION AND CIPHERING RESPONSE	16217. GMM
8	<--		16218. SECURITY MODE COMMAND	16219. RRC
9	-->		16220. SECURITY MODE COMPLETE	16221. RRC
10	-->		16222. ACTIVATE PDP CONTEXT REQUEST	16223. SM
11	<--		16224. RADIO BEARER SETUP	16225. RRC RAB SETUP
12	-->		16226. RADIO BEARER SETUP COMPLETE	16227. RRC
13	<--		16228. ACTIVATE PDP CONTEXT ACCEPT	16229. 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
	Power OFF	----	null	detached	inactive	detached
	CS Registered Idle Mode	idle	null	idle	inactive	detached
	PS Registered Idle Mode	idle	null	detached	inactive	idle
	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

16258. Information Element	16259. Value/remark
16260. - CN domain system information	16261.
16262. - CN domain identity	16263. PS
16264. - CHOICE CN Type	16265. GSM-MAP
16266. - CN domain specific NAS system information	16267.
16268. - GSM-MAP NAS system information	16269. 00 00
16270. - CN domain specific DRX cycle length coefficient	16271. 7
16272. - CN domain identity	16273. CS
16274. - CHOICE CN Type	16275. GSM-MAP
16276. - CN domain specific NAS system information	16277.
16278. - GSM-MAP NAS system information	16279. 00(T3212 is set to infinity) 01
16280. - CN domain specific DRX cycle length coefficient	16281. 7
16282. - UE Timers and constants in connected mode	16283.
16284. - T305	16285. Infinity

7.3.2.3 Procedure

For UE supporting CS

Step	Direction		Message	Comments
	UE	SS		
1	<--		16286. SYSTEM INFORMATION (BCCH)	16287. Broadcast
2	<--		16288. PAGING TYPE1 (PCCH)	16289. Paging (CS domain, TMSI)
3	-->		16290. RRC CONNECTION REQUEST (CCCH)	16291. RRC
4	<--		16292. RRC CONNECTION SETUP (CCCH)	16293. RRC
5	-->		16294. RRC CONNECTION SETUP COMPLETE (DCCH)	16295. RRC
6	-->		16296. PAGING RESPONSE	16297. RR
7	<--		16298. ACTIVATE RB TEST MODE	16299. TC
8	-->		16300. ACTIVATE RB TEST MODE COMPLETE	16301. TC
9	<--		16302. RADIO BEARER SETUP	16303. RRC (RAB SETUP)
10	-->		16304. RADIO BEARER SETUP COMPLETE	16305. RRC
11	<--		16306. CLOSE UE TEST LOOP (DCCH)	16307. TC (UE test loop mode set up)
12	-->		16308. CLOSE UE TEST LOOP COMPLETE	16309. TC (confirms that loopback entities for the radio bearer(s) have been created and loop back is activated)
13	<--		16310. OPEN UE TEST LOOP	16311. TC
14	-->		16312. OPEN UE TEST LOOP COMPLETE	16313. TC
15	<--		16314. RRC CONNECTION RELEASE	16315. RRC
16	-->		16316. RRC CONNECTION RELEASE COMPLETE	16317. RRC

For UE supporting PS only

Step	Direction		Message	Comments
	UE	SS		
1	<--		16318. SYSTEM INFORMATION (BCCH)	16319. Broadcast
2	<--		16320. PAGING TYPE1 (PCCH)	16321. Paging (PS domain, P-TMSI)

3	-->	16322. RRC CONNECTION REQUEST (CCCH)	16323. RRC
4	<--	16324. RRC CONNECTION SETUP (CCCH)	16325. RRC
5	-->	16326. RRC CONNECTION SETUP COMPLETE (DCCH)	16327. RRC
6	-->	16328. SERVICE REQUEST	16329. GMM
7	<--	16330. SECURITY MODE COMMAND	16331. RRC (note)
8	-->	16332. SECURITY MODE COMPLETE	16333. RRC (note)
9	<--	16334. ACTIVATE RB TEST MODE	16335. TC
10	-->	16336. ACTIVATE RB TEST MODE COMPLETE	16337. TC
11	<--	16338. RADIO BEARER SETUP	16339. RRC (RAB SETUP)
12	-->	16340. RADIO BEARER SETUP COMPLETE	16341. RRC

NOTE:	Step7 and Step8 are inserted in order to stop T3317 timer in the UE, which starts after transmitting SERVICE REQUEST message.

13	<--	16342. CLOSE UE TEST LOOP (DCCH)	16343. TC (UE test loop mode set up)
14	-->	16344. CLOSE UE TEST LOOP COMPLETE	16345. TC (confirms that loopback entities for the radio bearer(s) have been created and loop back is activated)
15	<--	16346. OPEN UE TEST LOOP	16347. TC
16	-->	16348. OPEN UE TEST LOOP COMPLETE	16349. TC
17	<--	16350. RRC CONNECTION RELEASE	16351. RRC
18	-->	16352. RRC CONNECTION RELEASE COMPLETE	16353. RRC

7.3.2.4 Specific message contents

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

7.3.2.4.1 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

16354. Information Element	16355. Value/remark

16356. Periodic RA update timer	16357. E0 (timer is deactivated)

7.3.2.4.2 Reference measurement channels

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

7.3.2.4.3 UE test loop mode

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

UE test loop mode 1 without DCCH dummy transmission

Default. See clause 9.2.

UE test loop mode 1 with DCCH dummy transmission

Contents of CLOSE UE TEST LOOP: TC

16358. **Information Element**	16359. **Value/remark**
16360. UE test loop mode	16361. UE test loop mode 1
	16362. DCCH dummy transmission set to "enabled".
	16363. 00000100B

UE test loop mode 2 without DCCH dummy transmission

Contents of CLOSE UE TEST LOOP: TC

16364. **Information Element**	16365. **Value/remark**
16366. UE test loop mode	16367. UE test loop mode 2
	16368. DCCH dummy transmission set to "disabled".
	16369. 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

16370. Information Element	16371. Value/remark
16372. - CN domain system information	16373.
16374. - CN domain identity	16375. PS
16376. - CHOICE CN Type	16377. GSM-MAP
16378. - CN domain specific NAS system information	16379.
16380. - GSM-MAP NAS system information	16381. 00 00
16382. - CN domain specific DRX cycle length coefficient	16383. 7
16384. - CN domain identity	16385. CS
16386. - CHOICE CN Type	16387. GSM-MAP
16388. - CN domain specific NAS system information	16389.
16390. - GSM-MAP NAS system information	16391. 00(T3212 is set to infinity) 01
16392. - CN domain specific DRX cycle length coefficient	16393. 7
16394. - UE Timers and constants in connected mode	16395.
16396. - T305	16397. Infinity

7.3.3.2 Procedure

For UE supporting CS

Step	Direction		Message	Comments
	UE	SS		
1	<--		16398. SYSTEM INFORMATION (BCCH)	16399. Broadcast
2	<--		16400. PAGING TYPE1 (PCCH)	16401. Paging (CS domain, TMSI)
3	-->		16402. RRC CONNECTION REQUEST (CCCH)	16403. RRC
4	<--		16404. RRC CONNECTION SETUP (CCCH)	16405. RRC
5	-->		16406. RRC CONNECTION SETUP COMPLETE (DCCH)	16407. RRC
6	-->		16408. PAGING RESPONSE	16409. RR
7	<--		16410. ACTIVATE RB TEST MODE	16411. TC
8	-->		16412. ACTIVATE RB TEST MODE COMPLETE	16413. TC
9	<--		16414. RADIO BEARER SETUP	16415. RRC 16416. - RAB SETUP using Reference Radio Bearer Configuration 16417. - RRC state indicator is set to "CELL_FACH"
10	-->		16418. RADIO BEARER SETUP COMPLETE	16419. RRC
11	<--		16420. RRC CONNECTION RELEASE	16421. RRC
12	-->		16422. RRC CONNECTION RELEASE COMPLETE	16423. RRC

For UE supporting PS only

Step	Direction		Message	Comments
	UE	SS		
1	<--		16424. SYSTEM INFORMATION (BCCH)	16425. Broadcast
2	<--		16426. PAGING TYPE1 (PCCH)	16427. Paging (PS domain, P-TMSI)
3	-->		16428. RRC CONNECTION REQUEST (CCCH)	16429. RRC
4	<--		16430. RRC CONNECTION SETUP (CCCH)	16431. RRC
5	-->		16432. RRC CONNECTION SETUP COMPLETE (DCCH)	16433. RRC
6	-->		16434. SERVICE REQUEST	16435. GMM
7	<--		16436. SECURITY MODE COMMAND	16437. RRC (note)
8	-->		16438. SECURITY MODE COMPLETE	16439. RRC (note)

NOTE: Step7 and Step8 are inserted in order to stop T3317 timer in the UE, which starts after transmitting SERVICE REQUEST message.

Step	Direction		Message	Comments
9	<--		16440. ACTIVATE RB TEST MODE	16441. TC
10	-->		16442. ACTIVATE RB TEST MODE COMPLETE	16443. TC
11	<--		16444. RADIO BEARER SETUP	16445. RRC
				16446. - RAB SETUP using Reference Radio Bearer Configuration
				16447. - RRC state indicator is set to "CELL_FACH"
12	-->		16448. RADIO BEARER SETUP COMPLETE	16449. RRC
13	<--		16450. RRC CONNECTION RELEASE	16451. RRC
14	-->		16452. RRC CONNECTION RELEASE COMPLETE	16453. RRC

7.3.3.4   Specific message contents

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

Contents of RADIO BEARER SETUP message: RRC

16454. Information Element	16455. Value/remark
16456. New C-RNTI	16457. '1010 1010 1010 1010'
16458. RRC State indicator	16459. CELL_FACH

ETSI

Contents of Attach Accept message: GMM

16460. Information Element	16461. Value/remark
16462. Periodic RA update timer	16463. 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

Power- off
(State 1)

P1   P19   P2

Registered Idle Mode on CS (State 2)

Registered Idle Mode on CS/ PS (State 7)

Registered Idle Mode on PS (State 3)

P3   P4   P3   P4   P6   P5   P6   P5

CS- CELL DCH Initial (State 6- 1)

CS- CELL FACH Initial (State 6- 2)

PS- CELL FACH Initial (State 6- 4)

PS- CELL DCH Initial (State 6- 3)

P7   P8   P10   P9

CS- DCCH DCH (State 6- 5)

CS- DCCH FACH (State 6- 6)

PS- DCCH FACH (State 6- 8)

PS- DCCH DCH (State 6- 7)

P11   P12   P14   P13

CS- DCCH+DTCH DCH (State 6- 9)

PS- DCCH+DTCH FACH (State 6- 11)

PS- DCCH+DTCH DCH (State 6- 10)

P22   P19   P23   P24   P17   P18   P15   P16

CS+CS- DCCH+DTCH DCH (State 6- 15)

PS+CS- DCCH+DTCH DCH (State 6- 14)

URA PCH (State 6- 13)

CELL PCH (State 6- 12)

P20   P21

PS+PS- DCCH+DTCH DCH (State 6- 16)

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
16464.S ta te 1	**16465. Power OFF**	16466. - - - -	164	1646	16	1647

Figure 7.4.1.1: UE RRC test initial states and common procedures

		RRC	CC	MM	SM	GMM
16471.S ta te 2	**16472. Register ed Idle Mode on CS**	16473. d l e	164	1647	16	1647
16478.S ta te 3	**16479. Register ed Idle Mode on PS**	16480. d l e	164	1648	16	1648
16485.S ta te 7	**16486. Register ed Idle Mode on CS/PS**	16487. d l e	164	1648	16	1649

16492.S ta te B G P6 -1	**16493.CS- CELL_D CH_Initial**	16494. o n n e c t e d	164	1649	16	1649
16499.S ta te B G P6 -2	**16500.CS- CELL_FA CH_Initial**	16501. o n n e c t e d	165	1650	16	1650
16506.S ta te B G P6 -3	**16507.PS- CELL_D CH_Initial**	16508. o n n e c t e d	165	1651	16	1651
16513.S ta te B G P6 -4	**16514.PS- CELL_FA CH_Initial**	16515. o n n e c t e d	165	1651	16	1651

16520.State B G P6-5	16521.CS-DCCH_DCH	16522.onnected 16523.CELL_DCH)	165	1652	16	1652
16528.State B G P6-6	16529.CS-DCCH_FACH	16530.onnected 16531.CELL_FACH)	165	1653	16	1653

16536.State B G P6-7	**16537.PS-DCCH_DCH**	16538. onnected 16539. CELL _DCH)	165	1654	16	1654
16544.State B G P6-8	**16545.PS-DCCH_FACH**	16546. onnected 16547. CELL _FACH)	165	1654	16	1655

16552. State B G P6 -9	16553. CS-DCCH+DTCH_DCH	16554. onnected 16555. CELL_DCH)	165	1655	16	1655
16560. State B G P6 - 10	16561. PS-DCCH+DTCH_DCH	16562. onnected 16563. CELL_DCH)	165	1656	16	1656

16568.State BGP6-11	**16569.PS-DCCH+DTCH_FACH**	16570. onnected 16571. CELL_FACH)	165	1657	16	1657
16576.State BGP6-12	**16577.CELL_PCH**	16578. onnected 16579. CELL_PCH)	165	1658	16	1658
16584.State BGP6-13	**16585.URA_PCH**	16586. onnected 16587. URA_PCH)	165	1658	16	1659

16592. State B G P6 - 14	16593. PS+CS-DCCH+DTCH_DCH	16594. onnected 16595. CELL_DCH)	165	1659	16	1659
16600. State B G P6 - 15	16601. CS+CS-DCCH+DTCH_DCH	16602. onnected 16603. CELL_DCH)	166	1660	16	1660
16608. State B G P6 - 16	16609. PS+PS-DCCH+DTCH_DCH	16610. onnected 16611. CELL_DCH)	166	1661	16	1661

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	<--		16616. PAGING TYPE 1 (PCCH)	16617. RRC
2	-->		16618. RRC CONNECTION REQUEST (CCCH)	16619. RRC
3	<--		16620. RRC CONNECTION SETUP (CCCH)	16621. RRC
4	-->		16622. RRC CONNECTION SETUP COMPLETE (DCCH)	16623. RRC
5	-->		16624. PAGING RESPONSE	16625. 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	-->		16626. RRC CONNECTION REQUEST (CCCH)	16627. RRC
2	<--		16628. RRC CONNECTION SETUP (CCCH)	16629. RRC
3	-->		16630. RRC CONNECTION SETUP COMPLETE (DCCH)	16631. RRC
4	-->		16632. CM SERVICE REQUEST	16633. 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	<--		16634. PAGING TYPE1 (PCCH)	16635. Paging
2	-->		16636. RRC CONNECTION REQUEST (CCCH)	16637. RRC
3	<--		16638. RRC CONNECTION SETUP (CCCH)	16639. RRC
4	-->		16640. RRC CONNECTION SETUP COMPLETE (DCCH)	16641. RRC
5	-->		16642. SERVICE REQUEST	16643. 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	-->		16644. RRC CONNECTION REQUEST (CCCH)	16645. RRC
2	<--		16646. RRC CONNECTION SETUP (CCCH)	16647. RRC
3	-->		16648. RRC CONNECTION SETUP COMPLETE (DCCH)	16649. RRC
4	-->		16650. SERVICE REQUEST	16651. GMM

7.4.2.2.2.4 Specific message contents

To execute procedure P5, all specific message contents shall be referred to clause 9 of TS 34.108.

To execute procedure P6, all specific message contents with the exception of step 2 shall be referred to clause 9 of TS 34.108. For step 2, the message of the same type titled "Transition to CELL_FACH" in TS 34.123-1 annex. A is used.

7.4.2.3   NAS call set up procedure for circuit switched calls (procedure P7 and P8)

7.4.2.3.1   Mobile terminating call

7.4.2.3.1.1   Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-1 or state 6-2.

- The Test USIM shall be inserted.

7.4.2.3.1.2   Definition of system information messages

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

7.4.2.3.1.3   Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<--		16652. AUTHENTICATION REQUEST	16653. MM
2	-->		16654. AUTHENTICATION RESPONSE	16655. MM
3	<--		16656. SECURITY MODE COMMAND	16657. RRC
4	-->		16658. SECURITY MODE COMPLETE	16659. RRC
5	<--		16660. SET UP	16661. CC
6	-->		16662. CALL CONFIRMED	16663. 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	<--		16664. AUTHENTICATION REQUEST	16665. MM
2	-->		16666. AUTHENTICATION RESPONSE	16667. MM
3	<--		16668. SECURITY MODE COMMAND	16669. RRC
4	-->		16670. SECURITY MODE COMPLETE	16671. RRC
5	-->		16672. SET UP	16673. CC
6	<--		16674. CALL PROCEEDING	16675. 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	<--		16676. AUTHENTICATION AND CIPHERING REQUEST	16677. GMM
2	-->		16678. AUTHENTICATION AND CIPHERING RESPONSE	16679. GMM
3	<--		16680. SECURITY MODE COMMAND	16681. RRC
4	-->		16682. SECURITY MODE COMPLETE	16683. RRC
5	<--		16684. REQUEST PDP CONTEXT ACTIVATION	16685. SM
6	-->		16686. ACTIVATE PDP CONTEXT REQUEST	16687. 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	<--		16688. AUTHENTICATION AND CIPHERING REQUEST	16689. GMM
2	-->		16690. AUTHENTICATION AND CIPHERING RESPONSE	16691. GMM
3	<--		16692. SECURITY MODE COMMAND	16693. RRC
4	-->		16694. SECURITY MODE COMPLETE	16695. RRC
5	-->		16696. ACTIVATE PDP CONTEXT REQUEST	16697. SM

7.4.2.4.2.4   Specific message contents

All RRC specific message contents shall be referred to clause 9 of TS34.108.

7.4.2.5 Radio access bearer establishment procedure for circuit switched calls (procedure P11 and P12)

7.4.2.5.1 Mobile terminating call

7.4.2.5.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-5 or state 6-6.

- The Test USIM shall be inserted.

7.4.2.5.1.2 Definition of system information messages

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

7.4.2.5.1.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<--		16698. RADIO BEARER SETUP	16699. RRC RAB SETUP
2	-->		16700. RADIO BEARER SETUP COMPLETE	16701. RRC
3	-->		16702. ALERTING	16703. CC (This message is optional)
4	-->		16704. CONNECT	16705. CC
5	<--		16706. CONNECT ACKNOWLEDGE	16707. 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	<--		16708. RADIO BEARER SETUP	16709. RRC RAB SETUP
2	-->		16710. RADIO BEARER SETUP COMPLETE	16711. RRC
3	<--		16712. ALERTING	16713. CC
4	<--		16714. CONNECT	16715. CC
5	-->		16716. CONNECT ACKOWLEDGE	16717. 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 UE	SS	Message	Comments
1	<--		16718. RADIO BEARER SETUP	16719. RRC RAB SETUP
2	-->		16720. RADIO BEARER SETUP COMPLETE	16721. RRC
3	<--		16722. ACTIVATE PDP CONTEXT ACCEPT	16723. 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 UE	SS	Message	Comments
1	<--		16724. RADIO BEARER SETUP	16725. RRC RAB SETUP
2	-->		16726. RADIO BEARER SETUP COMPLETE	16727. RRC
3	<--		16728. ACTIVATE PDP CONTEXT ACCEPT	16729. 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	<--		16730. PHYSICAL CHANNEL RECONFIGURATION	16731. RRC
2	-->		16732. PHYSICAL CHANNEL RECONFIGURATION COMPLETE	16733. RRC

7.4.2.7.1.4 Specific message contents

Contents of PHYSICAL CHANNEL RECONFIGURATION message: DCCH-AM (Step 1)

16734. **Information Element**	16735. **Value/remark**
16736. Message Type	16737.
16738. RRC State Indicator	16739. 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	<--		16740. PHYSICAL CHANNEL RECONFIGURATION	16741. RRC
2	-->		16742. PHYSICAL CHANNEL RECONFIGURATION COMPLETE	16743. RRC

7.4.2.7.2.4 Specific message contents

Contents of PHYSICAL CHANNEL RECONFIGURATION message: DCCH-AM (Step 1)

16744. Information Element	16745. Value/remark
16746. Message Type	16747.
16748. RRC State Indicator	16749. URA_PCH

7.4.2.8 Radio access bearer establishment procedure with packet switched sessions for transitions to Multi Call state (procedure P19, 20 and 21)

7.4.2.8.1 Transition to PS+CS-DCCH+DTCH DCH (procedure P19)

7.4.2.8.1.1 Mobile terminating session

7.4.2.8.1.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-9.

- The Test USIM shall be inserted.

7.4.2.8.1.1.2 Definition of system information messages

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

7.4.2.8.1.1.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<--		16750. PAGING TYPE2 (DCCH)	16751. Paging
2	-->		16752. SERVICE REQUEST	16753. GMM
3	<--		16754. AUTHENTICATION AND CIPHERING REQUEST	16755. GMM
4	-->		16756. AUTHENTICATION AND CIPHERING RESPONSE	16757. GMM
5	<--		16758. SECURITY MODE COMMAND	16759. RRC
6	-->		16760. SECURITY MODE COMPLETE	16761. RRC
7	<--		16762. REQUEST PDP CONTEXT ACTIVATION	16763. SM
8	-->		16764. ACTIVATE PDP CONTEXT REQUEST	16765. SM
9	<--		16766. RADIO BEARER SETUP	16767. RRC RAB SETUP
10	-->		16768. RADIO BEARER SETUP COMPLETE	16769. RRC
11	<--		16770. ACTIVATE PDP CONTEXT ACCEPT	16771. SM

7.4.2.8.1.1.4   Specific message contents

FFS

7.4.2.8.1.2   Mobile originating sessions

7.4.2.8.1.2.1   Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-9.

- The Test USIM shall be inserted.

7.4.2.8.1.2.2   Definition of system information messages

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

7.4.2.8.1.2.3   Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	-->		16772. SERVICE REQUEST	16773. GMM
2	<--		16774. AUTHENTICATION AND CIPHERING REQUEST	16775. GMM
3	-->		16776. AUTHENTICATION AND CIPHERING RESPONSE	16777. GMM
4	<--		16778. SECURITY MODE COMMAND	16779. RRC
5	-->		16780. SECURITY MODE COMPLETE	16781. RRC
6	-->		16782. ACTIVATE PDP CONTEXT REQUEST	16783. SM
7	<--		16784. RADIO BEARER SETUP	16785. RRC RAB SETUP
8	-->		16786. RADIO BEARER SETUP COMPLETE	16787. RRC
9	<--		16788. ACTIVATE PDP CONTEXT ACCEPT	16789. SM

7.4.2.8.1.2.4   Specific message contents

FFS

7.4.2.8.2   Transition to PS+PS-DCCH+DTCH DCH (procedure P20 and P21)

7.4.2.8.2.1   Mobile terminating session

7.4.2.8.2.1.1   Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-10 or state 6-11.

- The Test USIM shall be inserted.

7.4.2.8.2.1.2   Definition of system information messages

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

7.4.2.8.2.1.3   Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<--		16790. PAGING TYPE2 (DCCH)	16791. Paging
2	-->		16792. SERVICE REQUEST	16793. GMM
3	<--		16794. SERVICE ACCEPT	16795. GMM
4	<--		16796. REQUEST PDP CONTEXT ACTIVATION	16797. SM
5	-->		16798. ACTIVATE PDP CONTEXT REQUEST	16799. SM
6	<--		16800. RADIO BEARER SETUP	16801. RRC RAB SETUP
7	-->		16802. RADIO BEARER SETUP COMPLETE	16803. RRC
8	<--		16804. ACTIVATE PDP CONTEXT ACCEPT	16805. SM

7.4.2.8.2.1.4 Specific message contents

FFS

7.4.2.8.2.2 Mobile originating sessions

7.4.2.8.2.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-10 or state 6-11.

- The Test USIM shall be inserted.

7.4.2.8.2.2.2 Definition of system information messages

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

7.4.2.8.2.2.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	-->		16806. SERVICE REQUEST	16807. GMM
2	<--		16808. SERVICE ACCEPT	16809. GMM
3	-->		16810. ACTIVATE PDP CONTEXT REQUEST	16811. SM
4	<--		16812. RADIO BEARER SETUP	16813. RRC RAB SETUP
5	-->		16814. RADIO BEARER SETUP COMPLETE	16815. RRC
6	<--		16816. ACTIVATE PDP CONTEXT ACCEPT	16817. SM

7.4.2.8.2.2.4 Specific message contents

FFS

7.4.2.9 Radio access bearer establishment procedure with circuit switched calls for transitions to Multi Call state (procedure P22, P23 and P24)

7.4.2.9.1 Transition to CS+CS-DCCH+DTCH DCH (procedure P22)

7.4.2.9.1.1 Mobile terminating call

7.4.2.9.1.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-9.

- The Test USIM shall be inserted.

7.4.2.9.1.1.2 Definition of system information messages

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

7.4.2.9.1.1.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<--		16818. PAGING TYPE2 (DCCH)	16819. Paging
2	-->		16820. PAGING RESPONSE	16821. RR
3	<--		16822. SET UP	16823. CC
4	-->		16824. CALL CONFIRMED	16825. CC
5	<--		16826. RADIO BEARER SETUP	16827. RRC RAB SETUP
6	-->		16828. RADIO BEARER SETUP COMPLETE	16829. RRC
7	-->		16830. ALERTING	16831. CC (this message is optional)
8	-->		16832. CONNECT	16833. CC
9	<--		16834. CONNECT ACKNOWLEDGE	16835. CC

7.4.2.9.1.1.4   Specific message contents

FFS

7.4.2.9.1.2   Mobile originating calls

7.4.2.9.1.2.1   Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-9.

- The Test USIM shall be inserted.

7.4.2.9.1.2.2   Definition of system information messages

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

7.4.2.9.1.2.3   Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	-->		16836. CM SERVICE REQUEST	16837. MM
2	<--		16838. CM SERVICE ACCEPT	16839. MM
3	-->		16840. SET UP	16841. CC
4	<--		16842. CALL PROCEEDING	16843. CC
5	<--		16844. RADIO BEARER SETUP	16845. RRC RAB SETUP
6	-->		16846. RADIO BEARER SETUP COMPLETE	16847. RRC
7	<--		16848. ALERTING	16849. CC
8	<--		16850. CONNECT	16851. CC
9	-->		16852. CONNECT ACKNOWLEDGE	16853. CC

7.4.2.9.1.2.4   Specific message contents

FFS

7.4.2.9.2   Transition to PS+CS-DCCH+DTCH DCH (procedure P23 and 24)

7.4.2.9.2.1   Mobile terminating call

7.4.2.9.2.1.1   Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-10 or state 6-11.

- The Test USIM shall be inserted.

7.4.2.9.2.1.2   Definition of system information messages

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

7.4.2.9.2.1.3   Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction UE	Direction SS	Message	Comments
1	<--		16854.PAGING TYPE2 (DCCH)	16855.Paging
2	-->		16856.PAGING RESPONSE	16857.RR
3	<--		16858.AUTHENTICATION REQUEST	16859.MM
4	-->		16860.AUTHENTICATION RESPONSE	16861.MM
5	<--		16862.SECURITY MODE COMMAND	16863.RRC
6	-->		16864.SECURITY MODE COMPLETE	16865.RRC
7	<--		16866.SET UP	16867.CC
8	-->		16868.CALL CONFIRMED	16869.CC
9	<--		16870.RADIO BEARER SETUP	16871.RRC RAB SETUP
10	-->		16872.RADIO BEARER SETUP COMPLETE	16873.RRC
11	-->		16874.ALERTING	16875.CC (this message is optional)
12	-->		16876.CONNECT	16877.CC
13	<--		16878.CONNECT ACKNOWLEDGE	16879.CC

7.4.2.9.2.1.4   Specific message contents

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7.4.2.9.2.2   Mobile originating calls

7.4.2.9.2.2.1   Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-10 or state 6-11.

- The Test USIM shall be inserted.

7.4.2.9.2.2.2   Definition of system information messages

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

7.4.2.9.2.2.3   Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	-->		16880. CM SERVICE REQUEST	16881. MM
2	<--		16882. AUTHENTICATION REQUEST	16883. MM
3	-->		16884. AUTHENTICATION RESPONSE	16885. MM
4	<--		16886. SECURITY MODE COMMAND	16887. RRC
5	-->		16888. SECURITY MODE COMPLETE	16889. RRC
6	-->		16890. SET UP	16891. CC
7	<--		16892. CALL PROCEEDING	16893. CC
8	<--		16894. RADIO BEARER SETUP	16895. RRC RAB SETUP
9	-->		16896. RADIO BEARER SETUP COMPLETE	16897. RRC
10	<--		16898. ALERTING	16899. CC
11	<--		16900. CONNECT	16901. CC
12	-->		16902. CONNECT ACKOWLEDGE	16903. CC

7.4.2.9.2.2.4 Specific message contents

FFS

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 TS31.120 and 3GPP TS31.121.

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 re-

synchronisation 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*.

For test USIM intended to be used for inter-RAT test cases then the test USIM shall support the conversion function c3 according to TS 33.102 [24] clause 6.8.1.2 to derive the GSM ciphering key Kc from the UMTS cipher/integrity keys CK and IK.

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, Kc 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, . . .126,127] = **K** [bits 0,1, . . .126,127] XOR **RAND**[bits 0,1, . . .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] = **f3(XDOUT)** = **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]

For test USIM intended for inter-RAT testing the GSM ciphering key Kc shall be derived from the UMTS cipher/integrity keys:

Kc[bits 0,1, . . . 62,63] = **c3(CK,IK)**, see TS 33.102 clause 6.8.1.2

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 **SQN = SQN$_{MS}$ = SQN$_{SS}$**[bits 0,1,. . .46,47] = **AUTN**[bits 0,1,. . .46,47] XOR **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, . . .62, 63] = f1(XDOUT, CDOUT) = XDOUT[bits 0,1. . .62,63] XOR CDOUT[bits 0,1,. . .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 ⊕ AK[bits 0,1,. . .46,47] || AMF[bits 0,1,. . .14,15] || MAC[bits 0,1, . . .62, 63]

Where SQN ⊕ 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:

XDOUT[bits 0,1, . . .126,127] = K[bits 0,1, . . .126,127] XOR RAND[bits 0,1, . . .126,127]

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] || AMF*[bits 0,1,. . .14,15]

Where AMF* assumes a dummy value of all zeros

```
NOTE:   For test USIM the SQN_MS = SQN_SS[bits 0,1,. . .46,47] = AUTN[bits 0,1,. . .46,47] XOR AK[bits
0,1, . . . 46,47] where AUTN is the received authentication token.
```

```
For SS and AUC the SQN_MS = AUTS[bits 0,1,. . .46,47] XOR AK[bits 0,1, . . . 46,47] 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] = f1*(XDOUT, CDOUT) = XDOUT[bits 0,1. . .62,63] 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**:

$\textbf{AUTS}[\text{bits } 0,1,..110,111] \quad = \quad \textbf{SQN}_{\textbf{MS}} \oplus \textbf{AK}[\text{bits } 0,1,...46,47] \parallel \textbf{MAC-S}[\text{bits } 0,1,...62,63]$

$\text{Where } \textbf{SQN}_{\textbf{MS}} \oplus \textbf{AK}[\text{bits } 0,1,...46,47] \quad = \quad \textbf{SQN}_{\textbf{MS}} [\text{bits } 0,1,...46,47] \text{ XOR } \textbf{AK}[\text{bits } 0,1,...46,47]$

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 and 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 $\text{AMF}_{\text{RESYNCH}}$ 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, Kc and XMAC parameters according to clause 8.1.2.1 (step 1 to 4). The test USIM extracts the $\text{SQN}_{\text{MS}} = \text{SQN}_{\text{SS}}$, AMF and MAC parameters from the received authentication token AUTN.

Figure 8.1.2.3.1: Network accepted by UE (USIM not supporting derivation of GSM cipher key Kc)
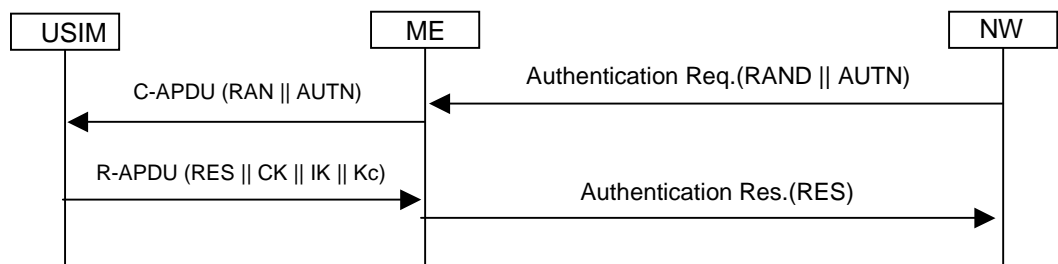
Figure 8.1.2.3.2: Network accepted by UE (USIM supporting derivation of GSM cipher key Kc)

The test USIM checks that XMAC = MAC and then return the RES, CK and IK parameters to the ME.
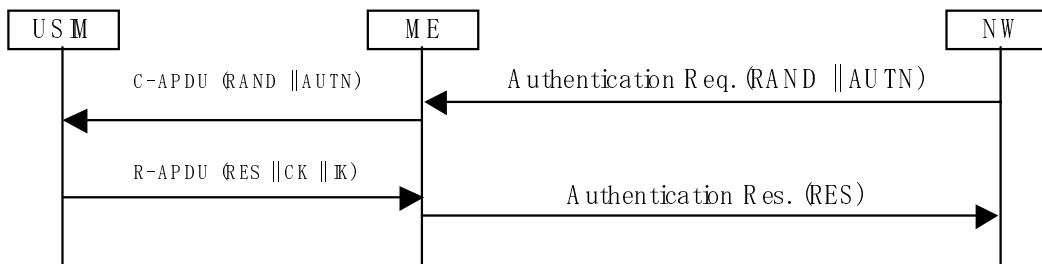
8.1.2.3.2 MAC failure case

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 $\text{AMF}_{\text{RESYNCH}}$ 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, Kc and XMAC parameters according to clause 8.1.2.1 (step 1 to 4).

The test USIM extracts the $\text{SQN}_{\text{MS}} = \text{SQN}_{\text{SS}}$, 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").
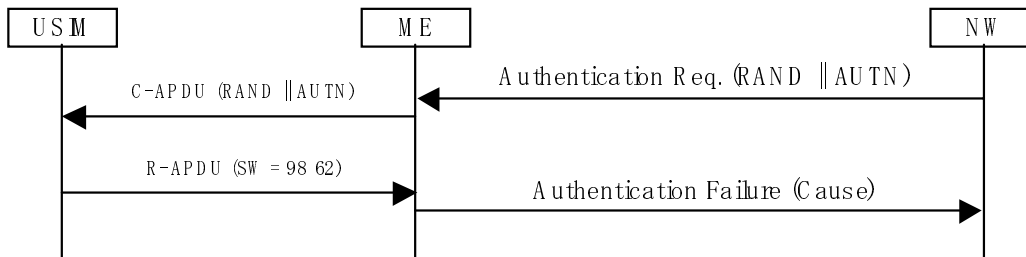
8.1.2.3.3 SQN failure case

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.

Figure 8.1.2.3.3: SQN failure case

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.
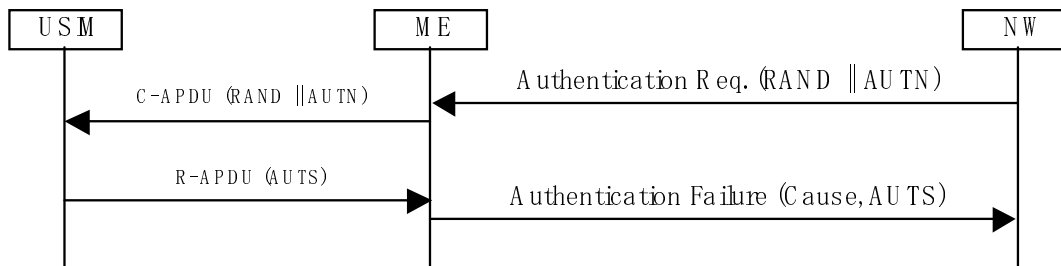
8.2 Default Parameters for the test USIM

K:

Size: 16 Bytes

Default values: Bytes 1 (HEX): 00

Bytes 2 (HEX): 01

Bytes 3 (HEX): 02

Bytes 4 (HEX): 03

Bytes 5 (HEX): 04

Bytes 6 (HEX): 05

Bytes 7 (HEX): 06

Bytes 8 (HEX): 07

Bytes 9 (HEX): 08

Bytes 10 (HEX): 09

Bytes 11 (HEX): 0A

Bytes 12 (HEX): 0B

Bytes 13 (HEX): 0C

Bytes 14 (HEX): 0D

Bytes 15 (HEX): 0E

Bytes 16 (HEX): 0F

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)

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.

The programming of this EF is a test house option.

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_Keys (Ciphering and Integrity Keys)

The programming of this EF follows default parameter written in TS31.102 Annex E.

8.3.2.4 EF_KeysPS (Ciphering and Integrity Keys for Packet Switched domain)

The programming of this EF follows default parameter written in TS31.102 Annex E.

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
16904. Service n°1 :	16905. Local Phone Book	16906. Option
16907. Service n°2 :	16908. Fixed Dialling Numbers (FDN)	16909. Option
16910. Service n°3 :	16911. Extension 2	16912. Option
16913. Service n°4 :	16914. Service Dialling Numbers (SDN)	16915. Option
16916. Service n°5 :	16917. Extension3	16918. Option
16919. Service n°6 :	16920. Barred Dialling Numbers (BDN)	16921. Option
16922. Service n°7 :	16923. Extension4	16924. Option
16925. Service n°8 :	16926. Outgoing Call Information (OCI and OCT)	16927. Option

16928. Service n°9 :	16929. Incoming Call Information (ICI and ICT)	16930. Option
16931. Service n°10:	16932. Short Message Storage (SMS)	16933. Yes
16934. Service n°11:	16935. Short Message Status Reports (SMSR)	16936. Option
16937. Service n°12:	16938. Short Message Service Parameters (SMSP)	16939. Yes
16940. Service n°13:	16941. Advice of Charge (AoC)	16942. Yes
16943. Service n°14:	16944. Capability Configuration Parameters (CCP)	16945. Yes
16946. Service n°15:	16947. Cell Broadcast Message Identifier	16948. Yes
16949. Service n°16:	16950. Cell Broadcast Message Identifier Ranges	16951. Yes
16952. Service n°17:	16953. Group Identifier Level 1	16954. Option
16955. Service n°18:	16956. Group Identifier Level 2	**16957.**Option

16958. Service n°19:	16959. Service Provider Name	16960. Option
16961. Service n°20:	16962. User controlled PLMN selector with Access Technology	16963. Yes
16964. Service n°21:	16965. MSISDN	16966. Option
16967. Service n°22:	16968. Image (IMG)	16969. Option
16970. Service n°23:	16971. Not used (reserved for SoLSA)	16972. No
16973. Service n°24:	16974. Enhanced Multi-Level Precedence and Pre-emption Service	16975. Option
16976. Service n°25:	16977. Automatic Answer for Emlpp	16978. Option
16979. Service n°26:	16980. RFU	16981. No
16982. Service n°27:	16983. GSM Access	16984. Yes
16985. Service n°28:	16986. Data download via SMS-PP	16987. Option

16988. Service n°29:	16989. Data download via SMS-CB	16990. Option
16991. Service n°30:	16992. Call Control by USIM	16993. Option
16994. Service n°31:	16995. MO-SMS Control by USIM	16996. Option
16997. Service n°32:	16998. RUN AT COMMAND command	16999. Option
17000. Service n°33:	17001. Packet Switched Domain	17002. Yes
17003. Service n°34:	17004. Enabled Services Table	17005. Yes
17006. Service n°35:	17007. APN Control List (ACL)	17008. Option
17009. Service n°36:	17010. Depersonalisation Control Keys	17011. Option
17012. Service n°37:	17013. Co-operative Network List	17014. Option
17015. Service n°38:	17016. GSM security context	17017. Yes

17018. Service n°39:	17019. CPBCCH Information	17020. Yes
17021. Service n°40:	17022. Investigation Scan	17023. Yes
17024. Service n°41:	17025. MExE	17026. Option
17027. Service n°42	17028. Operator controlled PLMN selector with Access Technology	17029. Yes
17030. Service n°43	17031. HPLMN selector with Access Technology	17032. 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 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:   00000000

                  Byte 3:   00000000

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_{ECC} (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 FF (P-TMSI)

Bytes 5-7 (HEX): FF 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)

The programming of this EF follows default parameter written in TS 31.102 annex E.

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   EF$_{EXT2}$ (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$_{Hiddenkey}$ (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$_{ACL}$ (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)

The programming of this EF follows default parameter written in TS 31.102 annex E.

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)

The programming of this EF follows default parameter written in TS 31.102 annex E.

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)

The programming of this EF follows default parameter written in TS 31.102 annex E.

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.

8.3.3.3.5 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

17033. Information Element	17034. Value/remark
17035. Message Type	17036.
17037. RRC transaction identifier	17038. Arbitrarily selects one integer between 0 to 3
17039. Integrity check info	17040.
17041. - message authentication code	17042. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
17043. - RRC message sequence number	17044. SS provides the value of this IE, from its internal counter.
17045. Activation time	17046. now

17033. Information Element	17034. Value/remark
17047. New U-RNTI	17048. Not Present
17049. CN information info	17050. Not Present
17051. Maximum allowed UL TX power	17052. Not Present – use default value
17053. Radio link addition information	17054. Not Present
17055. Radio link removal information	17056. Not Present
17057. TX Diversity Mode	17058. None
17059. SSDT information	17060. Not Present

Contents of ACTIVE SET UPDATE COMPLETE message: AM

17061. Information Element	17062. Value/remark
17063. Message Type	17064.
17065. RRC transaction identifier	17066. Checked to see if it matches the same value used in the corresponding downlink ACTIVE SET UPDATE message
17067. Integrity check info	17068.
17069. - Message authentication code	17070. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
	17071. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
17072. - RRC Message sequence number	17073. 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

17074. Information Element	17075. Value/remark
17076. Message Type	17077.
17078. RRC transaction identifier	17079. Checked to see if it matches the same value used in the corresponding downlink ACTIVE SET UPDATE message
17080. Integrity check info	17081.
17082. - Message authentication code	17083. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
17084. - RRC Message sequence number	17085. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.

17086. Failure cause	17087. Refer to test requirement

Contents of CELL UPDATE message: TM

17088. Information Element	17089. Value/remark
17090. Message Type	17091.
17092. U-RNTI	17093. Checked to see if it is set to the following values
17094. - SRNC identity	17095. 0000 0000 0001B
17096. - S-RNTI	17097. 0000 0000 0000 0000 0001B
17098. RRC transaction identifier	17099. Checked to see if it is absent
17100. Integrity check info	17101.
17102. - Message authentication code	17103. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
17104. - RRC Message sequence number	17105. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
17106. START List	17107. Checked to see if the 'CN domain identity' and 'START' IEs are present for all CN domains supported by the UE
17108. - CN domain identity	17109. Checked to see if it is one of the supported CN domains
17110. - START	17111. Checked to see if it is present
17112. AM_RLC error indication (RB2, RB3 or RB4)	17113. Checked to see if it is set to 'FALSE'
17114. AM_RLC error indication (RB>4)	17115. Checked to see if it is set to 'FALSE'
17116. Cell update cause	17117. See the test content
17118. Failure cause	17119. Checked to see if it is absent
17120. RB timer indicator	17121.
17122. - T314 expired	17123. Checked to see if it is set to 'FALSE'
17124. - T315 expired	17125. Checked to see if it is set to 'FALSE'
17126. Measured results on RACH	17127. Not checked

Contents of CELL UPDATE CONFIRM message: UM

17128. Information Element	17129. Value/remark
17130. Message Type	17131.

17132. U-RNTI	17133. If this message is sent on CCCH, use the following values. Else, this IE is absent.
17134. - SRNC identity	17135. 0000 0000 0001B
17136. - S-RNTI	17137. 0000 0000 0000 0000 0001B
17138. RRC transaction identifier	17139. Selects an arbitrary integer between 0 to 3
17140. Integrity check info	17141.
17142. - message authentication code	17143. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
17144. - RRC message sequence number	17145. SS provides the value of this IE, from its internal counter.
17146. Integrity protection mode info	17147. Not Present
17148. Ciphering mode info	17149. Not Present
17150. Activation time	17151. Not Present – use default value
17152. New U-RNTI	17153. Not Present
17154. New C-RNTI	17155. Not Present
17156. New DSCH-RNTI	17157. Not Present
17158. RRC State indicator	17159. CELL_FACH
17160. UTRAN DRX cycle length coefficient	17161. Not Present
17162. RLC re-establish indicator (RB2, RB3 and RB4)	17163. FALSE
17164. RLC re-establish indicator (RB5 and upwards)	17165. FALSE
17166. CN information info	17167. Not Present
17168. URA identity	17169. 0000 0000 0000 0001B
17170. RB information to release list	17171. Not Present
17172. RB information to reconfigure list	17173. Not Present
17174. RB information to be affected list	17175. Not Present
17176. Downlink counter synchronisation info	17177. Not Present
17178. UL Transport channel information common for all transport channels	17179. Not Present
17180. Deleted TrCH information list	17181. Not Present
17182. Added or Reconfigured TrCH information list	17183. Not Present
17184. CHOICE Mode	17185. FDD
17186. - CPCH set ID	17187. Not Present

17188. - Added or Reconfigured TrCH information for DRAC list	17189. Not Present
17190. DL Transport channel information common for all transport channels	17191. Not Present
17192. Deleted TrCH information list	17193. Not Present
17194. Added or Reconfigured TrCH information list	17195. Not Present
17196. Frequency info	17197. Not Present
17198. Maximum allowed UL TX power	17199. Not Present
17200. CHOICE channel requirement	17201. Not Present
17202. CHOICE mode	17203. FDD
17204. - Downlink PDSCH information	17205. Not Present
17206. Downlink information common for all radio links	17207. Not Present
17208. Downlink information per radio link list	17209. Not Present

Contents of DOWNLINK DIRECT TRANSFER message: AM

17210. Information Element	17211. Value/remark
17212. Message Type	17213.
17214. RRC transaction identifier	17215. Arbitrarily selects an integer between 0 and 3
17216. Integrity check info	17217.
17218. - Message authentication code	17219. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
17220. - RRC Message sequence number	17221. SS provides the value of this IE, from its internal counter.
17222. CN domain identity	17223. CS domain or PS domain
17224. NAS message	17225. See Specific Message Content for each test case

Contents of HANDOVER FROM UTRAN COMMAND-GSM message: AM

17226. Information Element	17227. Value/remark
17228. Message Type	17229.
17230. RRC transaction identifier	17231. Arbitrarily selects one integer between 0 to 3
17232. Integrity check info	17233.

17234. - Message authentication code	17235. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
17236. - RRC Message sequence number	17237. SS provides the value of this IE, from its internal counter.
17238. Activation time	17239. now
17240. RAB Info	17241.
17242. - RAB identity	17243. 0000 0001B
	17244. The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.
17245. - CN domain identity	17246. CS domain
17247. - NAS Synchronization Indicator	17248. Not present
17249. - Re-establishment timer	17250. Use T315
17251. Inter-system message	17252.
17253. - CHOICE System type	17254. GSM
17255. - Frequency Band	17256. Set to "GSM/ PCS 1900" if GSM/ PCS 1900 is used in this test. Otherwise set to "GSM/DCS 1800 Band"
17257. - CHOICE GSM message	17258. Single GSM message
17259. - Message	17260. GSM HANDOVER COMMAND formatted and coded according to GSM specifications as BIT STRING (1..512). The first/ l*eftmost/ most significant* bit of the bit string contains bit 8 of the first octet of the GSM message. The contents of the HANDOVER COMMAND is to be defined in the specific test case.
17261.	17262.

Contents of HANDOVER FROM UTRAN FAILURE message: AM

17263. Information Element	17264. Value/remark
17265. Message Type	17266.
17267. RRC transaction identifier	17268. Checked to see if it matches the same value used in the corresponding downlink HANDOVER FROM UTRAN COMMAND –GSM message
17269. Integrity check info	17270.
17271. - Message authentication code	17272. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most

17279. Information Element	17280. Value/remark
	significant bit of the MAC-I.
17273. - RRC Message sequence number	17274. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
17275. Inter-RAT handover failure	17276.
-Inter-RAT handover failure cause	physical channel failure
17277. Inter-system message	17278. Not Checked

Contents of INITIAL DIRECT TRANSFER message: AM

17279. Information Element	17280. Value/remark
17281. Message Type	17282.
17283. Integrity check info	17284.
17285. - Message authentication code	17286. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
17287. - RRC Message sequence number	17288. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
17289. CN domain identity	17290. Checked to see if set to supported CN domain as specified in the IXIT statements.
17291. Intra Domain NAS Node Selector	17292.
17293. - CHOICE version	17294. R99
17295. - CHOICE CN type	17296. GSM-MAP
17297. - CHOICE Routing basis	17298. Local (P)TMSI
17299. - Routing parameter	17300. 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.
	17301. 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.
	17302. The TMSI/P-TMSI consists of 4 octets (32bits). This can be represented by a string of bits numbered from b0 to b31, with bit b0 being the least significant
	17303. The "Routing parameter" bit string consists of bits b14 through b23 of the TMSI/ PTMSI.
	17304. The first/ leftmost/ most significant bit of the bit string contains bit b23 of the TMSI/ PTMSI.
17305. - Entered parameter	17306. FALSE

17307. NAS message	17308. Set according to that indicated in specific message content for each test case
17309. START	17310. Not checked
17311. Measured results on RACH	17312. Not checked

Contents of MEASUREMENT CONTROL message: AM

17313. Information Element	17314. Value/remark
17315. Message Type	17316.
17317. RRC transaction identifier	17318. Arbitrarily selects an unused integer between 0 to 3
17319. Integrity check info	17320.
17321. - Message authentication code	17322. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
17323. - RRC message sequence number	17324. SS provides the value of this IE, from its internal counter.
17325. Measurement Identity	17326. 1
17327. Measurement Command	17328. Setup
17329. Measurement Reporting Mode	17330.
17331. - Measurement Report Transfer Mode	17332. Acknowledged mode RLC
17333. - Periodical Reporting/Event Trigger Reporting Mode	17334. Periodical reporting
17335. Additional measurement list	17336. Not Present
17337. CHOICE Measurement type	17338. Intra-frequency measurement
17339. - Intra-frequency measurement	17340.
17341. - Intra-frequency cell info list	17342.
17343. - CHOICE intra-frequency cell removal	17344. Not present
17345. - New intra-frequency cell	17346.
17347. - Intra-frequency cell-id	17348. 1
17349. - Cell info	17350.
17351. - Cell individual offset	17352. 0dB
17353. - Reference time difference to cell	17354. Not Present
17355. - Read SFN number	17356. FALSE
17357. - CHOICE mode	17358. FDD

17359.	- Primary CPICH info	17360.
17361.	- Primary scrambling code	17362. Different from the Default setting in TS34.108 clause 6.1 (FDD)
17363.	- Primary CPICH Tx power	17364. Not Present
17365.	- TX Diversity indicator	17366. FALSE
17367.	- Cells for measurement	17368. Not present
17369.	- Intra-frequency measurement quantity	17370. Not Present
17371.	- Intra-frequency reporting quantity	17372.
17373.	- Reporting quantities for active set cells	17374.
17375.	- Cell synchronisation information reporting indicator	17376. FALSE
17377.	- Cell Identity reporting indicator	17378. TRUE
17379.	- CPICH Ec/N0 reporting indicator	17380. FALSE
17381.	- CPICH RSCP reporting indicator	17382. TRUE
17383.	- Pathloss reporting indicator	17384. FALSE
17385.	- Reporting quantities for monitored set cells	17386.
17387.	- Cell synchronisation information reporting indicator	17388. FALSE
17389.	- Cell Identity reporting indicator	17390. TRUE
17391.	- CPICH Ec/N0 reporting indicator	17392. FALSE
17393.	- CPICH RSCP reporting indicator	17394. TRUE
17395.	- Pathloss reporting indicator	17396. FALSE
17397.	- Reporting quantities for detected set cells	17398. Not Present
17399.	- Reporting cell status	17400.
17401.	- CHOICE reported cell	17402. Report cell within active set and/or monitored cells on used frequency
17403.	- Maximum number of reported cells	17404. 2
17405.	- Measurement validity	17406. Not Present
17407.	- CHOICE report criteria	17408. Periodic reporting criteria

17409. - Amount of reporting	17410. Infinity
17411. - Reporting interval	17412. 64 sec
17413. DPCH Compressed mode status info	17414. Not Present

Contents of MEASUREMENT CONTROL FAILURE message: AM

17415. Information Element	**17416. Value/remark**
17417. Message Type	17418.
17419. RRC transaction identifier	17420. Checked to see if it's set to the identical value for the same IE in the downlink MEASUREMENT CONTROL message
17421. Integrity check info	17422.
17423. - Message authentication code	17424. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
17425. - RRC Message sequence number	17426. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
17427. Failure cause	17428. See the test content

Contents of MEASUREMENT REPORT message: AM

17429. Information Element	**17430. Value/remark**
17431. Message Type	17432.
17433. Integrity check info	17434.
17435. - Message authentication code	17436. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
17437. - RRC Message sequence number	17438. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
17439. Measurement identity	17440. 1
17441. Measured Results	17442.
17443. - Intra-frequency measured results	17444.
17445. - Cell measured results	17446.
17447. - Cell Identity	17448. Not present
17449. - Cell synchronisation	17450. Checked that this IE is absent

information	
17451. - Primary CPICH info	17452.
17453. - Primary scrambling code	17454. Different from the Default setting in TS34.108 clause 6.1 (FDD)
17455. - CPICH Ec/N0	17456. Checked that this IE is absent
17457. - CPICH RSCP	17458. Checked that this IE is present
17459. - Pathloss	17460. Checked that this IE is absent
17461. Measured results on RACH	17462. Checked that this IE is absent
17463. Additional measured results	17464. Checked that this IE is absent
17465. Event results	17466. Checked that this IE is absent

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

17467. Information Element	17468. Value/remark
17469. Message Type	17470.
17471. Paging record list	17472.
17473. - Paging record	17474.
17475. - CHOICE Used paging identity	17476. CN identity
17477. - Paging cause	17478. Terminating Conversational Call
17479. - CN domain identity	17480. CS domain
17481. - CHOICE UE identity	17482.
17483. - IMSI (GSM-MAP)	17484. Set to the same octet string as in the IMSI stored in the USIM card
17485. BCCH modification info	17486. Not Present

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

17487. Information Element	17488. Value/remark
17489. Message Type	17490.
17491. Paging record list	17492.
17493. - Paging record	17494.
17495. - CHOICE Used paging identity	17496. CN identity
17497. - Paging cause	17498. Terminating Streaming Call
17499. - CN domain identity	17500. CS domain
17501. - CHOICE UE identity	17502.
17503. - IMSI (GSM-MAP)	17504. Set to the same octet string as in the IMSI stored in the USIM card

17505. BCCH modification info	17506. Not Present

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

17507. Information Element	17508. Value/remark
17509. Message Type	17510.
17511. Paging record list	17512.
17513. - Paging record	17514.
17515. - CHOICE Used paging identity	17516. CN identity
17517. - Paging cause	17518. Terminating Interactive Call
17519. - CN domain identity	17520. PS domain
17521. - CHOICE UE identity	17522.
17523. - P-TMSI	17524. Use P-TMSI allocated by SS at initial attach.
17525. BCCH modification info	17526. Not Present

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

17527. Information Element	17528. Value/remark
17529. Message Type	17530.
17531. Paging record list	17532.
17533. - Paging record	17534.
17535. - CHOICE Used paging identity	17536. CN identity
17537. - Paging cause	17538. Terminating Low Priority Signalling
17539. - CN domain identity	17540. CS domain
17541. - CHOICE UE identity	17542.
17543. - IMSI (GSM-MAP)	17544. Set to the same octet string as in the IMSI stored in the TEST USIM card
17545. BCCH modification info	17546. Not Present

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

17547. Information Element	17548. Value/remark
17549. Message Type	17550.
17551. Paging record list	17552.
17553. - Paging record	17554.
17555. - CHOICE Used paging identity	17556. CN identity

17557. - Paging cause	17558. Terminating Low Priority Signalling
17559. - CN domain identity	17560. PS domain
17561. - CHOICE UE identity	17562.
17563. - IMSI (GSM-MAP)	17564. Set to the same octet string as in the IMSI stored in the TEST USIM card
17565. BCCH modification info	17566. Not Present

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

17567. Information Element	**17568. Value/remark**
17569. Message Type	17570.
17571. RRC transaction identifier	17572. Arbitrarily selects an integer between 0 and 3
17573. Integrity check info	17574.
17575. - message authentication code	17576. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
17577. - RRC message sequence number	17578. SS provides the value of this IE, from its internal counter.
17579. Paging cause	17580. Terminating Conversational Call
17581. CN domain identity	17582. CS domain
17583. Paging record type identifier	17584. 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

17585. Information Element	175	**17587. Value/remark**
17588. Message Type	175	17590.

17585. Information Element	175	17587. Value/remark
17591. RRC transaction identifier	175	17593. Arbitrarily selects an integer between 0 and 3
17594. Integrity check info	175	17596.
17597. - message authentication code	175	17599. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
17600. - RRC message sequence number	176	17602. SS provides the value of this IE, from its internal counter.
17603. Integrity protection mode info	176	17605. Not Present
17606. Ciphering mode info	176	17608. Not Present
17609. Activation time	176	17611. (256+CFN-(CFN MOD 8 + 8))MOD 256
17612. Activation time	176	17614. Not Present

17585. Information Element	175	17587. Value/remark
17615. New U-RNTI	176	17617. Not Present
17618. New C-RNTI	176	17620. Not Present
17621. New C-RNTI	176	17623. '1010 1010 1010 1010'
17624. New DSCH-RNTI	176	17626. Not Present
17627. RRC State indicator	176	17629. CELL_DCH

17585. Information Element	175	17587. Value/remark
17630. RRC State indicator	176	17632. CELL_FACH
17633. UTRAN DRX cycle length coefficient	176	17635. Not Present
17636. CN information info	176	17638. Not Present
17639. URA identity	176	17641. Not Present
17642. Downlink counter synchronisation info	176	17644. Not Present
17645. Frequency info	176	17647.

17585. Information Element	175	17587. Value/remark
17648. - UARFCN uplink (Nu)	176	17650. Reference to clause 5.1 Test frequencies
17651. - UARFCN downlink (Nd)	176	17653. Reference to clause 5.1 Test frequencies
17654. Frequency info	176	17656. Not Present
17657. Maximum allowed UL TX power	176	17659. 33dBm
17660. CHOICE *channel requirement*	176	17662. Not Present
17663. CHOICE *channel requirement*	176	17665. Uplink DPCH info
17666. - Uplink DPCH power control info	176	17668.
17669. - DPCCH power offset	176	17671. -6dB
17672. - PC Preamble	176	17674. 1 frame

17585. Information Element	175	17587. Value/remark
17675. - SRB delay	176	17677. 7 frames
17678. - Power Control Algorithm	176	17680. Algorithm1
17681. - TPC step size	176	17683. 1dB
17684. - Scrambling code type	176	17686. Long
17687. - Scrambling code number	176	17689. 0 (0 to 16777215)
17690. - Number of DPDCH	176	17692. Not Present(1)
17693. - spreading factor	176	17695. Reference to TS34.108 clause 6.10 Parameter Set
17696. - TFCI existence	176	17698. Reference to TS34.108 clause 6.10 Parameter Set
17699. - Number of FBI bit	177	17701. Reference to TS34.108 clause 6.10 Parameter Set
17702. - Puncturing Limit	177	17704. Reference to TS34.108 clause 6.10 Parameter Set
17705. CHOICE Mode	177	17707. FDD
17708. - Downlink PDSCH information	177	17710. Not Present
17711. Downlink information common for all radio links	177	17713.

17585. Information Element	175	17587. Value/remark
17714. - Downlink DPCH info common for all RL	177	17716.
17717. - Timing indicator	177	17719. Maintain
17720. - CFN-targetSFN frame offset	177	17722. Not Present
17723. - Downlink DPCH power control information	177	17725.
17726. - DPC mode	177	17728. 0 (single)
17729. - CHOICE mode	177	17731. FDD
17732. - Power offset $P_{Pilot\text{-}DPDCH}$	177	17734. 0
17735. - DL rate matching restriction information	177	17737. Not Present
17738. - Spreading factor	177	17740. Reference to TS34.108 clause 6.10 Parameter Set
17741. - Fixed or Flexible Position	177	17743. Reference to TS34.108 clause 6.10 Parameter Set
17744. - TFCI existence	177	17746. Reference to TS34.108 clause 6.10 Parameter Set
17747. - CHOICE SF	177	17749. Reference to TS34.108 clause 6.10 Parameter Set
17750. - DPCH compressed mode info	177	17752. Not Present
17753. - TX Diversity mode	177	17755. None
17756. - SSDT information	177	17758. Not Present
17759. - Default DPCH Offset Value	177	17761. Not Present
17762. Downlink information common for all radio links	177	17764.
17765. - Downlink DPCH info common for all RL	177	17767.
17768. - Timing indicator	177	17770. Initialise
17771. - CFN-targetSFN frame offset	177	17773. Not Present

17585. Information Element	175	17587. Value/remark
17774. - Downlink DPCH power control information	177	17776.
17777. - DPC mode	177	17779. 0 (single)
17780. - CHOICE mode	177	17782. FDD
17783. - Power offset P$_{Pilot-DPDCH}$	177	17785. 0
17786. - DL rate matching restriction information	177	17788. Not Present
17789. - Spreading factor	177	17791. Reference to TS34.108 clause 6.10 Parameter Set
17792. - Fixed or Flexible Position	177	17794. Reference to TS34.108 clause 6.10 Parameter Set
17795. - TFCI existence	177	17797. Reference to TS34.108 clause 6.10 Parameter Set
17798. - CHOICE SF	177	17800. Reference to TS34.108 clause 6.10 Parameter Set
17801. - DPCH compressed mode info	178	17803. Not Present
17804. - TX Diversity mode	178	17806. None
17807. - SSDT information	178	17809. Not Present
17810. - Default DPCH Offset Value	178	17812. Arbitrary set to value 0..306688 by step of 512
17813. Downlink information common for all radio links	178	17815. Not Present
17816. Downlink information for each radio links	178	17818.
17819. - Choice mode	178	17821. FDD
17822. - Primary CPICH info	178	17824.

17585. Information Element	175	17587. Value/remark
17825.　　- Primary scrambling code	178	17827. Ref. to the Default setting in TS34.108 clause 6.1 (FDD)
17828.　　- PDSCH with SHO DCH info	178	17830. Not Present
17831.　　- PDSCH code mapping	178	17833. Not Present
17834.　　- Downlink DPCH info for each RL	178	17836.
17837.　　　- CHOICE mode	178	17839. FDD
17840.　　　- Primary CPICH usage for channel estimation	178	17842. Primary CPICH may be used
17843.　　- DPCH frame offset	178	17845. Set to value : Default DPCH Offset Value (as currently stored in SS) mod 38400
17846.　　- Power offset $P_{Pilot-DPDCH}$	178	17848. 0
17849.　　- Secondary CPICH info	178	17851. Not Present
17852.　　- DL channelisation code	178	17854.
17855.　　- Secondary scrambling code	178	17857. 5
17858.　　- Spreading factor	178	17860. Reference to TS34.108 clause 6.10 Parameter Set
17861.　　- Code number	178	17863. 0
17864.　　- Scrambling code change	178	17866. No change
17867.　　- TPC combination index	178	17869. 0
17870.　　- SSDT Cell Identity	178	17872. Not Present
17873.　　- Closed loop timing adjustment mode	178	17875. Not Present
17876.　　- SCCPCH information for FACH	178	17878. Not Present
17879. Downlink information for each radio links	178	17881.
17882.　- Choice mode	178	17884. FDD
17885.　　- Primary CPICH info	178	17887.
17888.　　- Primary scrambling code	178	17890. Ref. to the Default setting in TS34.108 clause 6.1 (FDD)
17891.　　- PDSCH with SHO DCH info	178	17893. Not Present

17585. Information Element	175	17587. Value/remark
17894. - PDSCH code mapping	178	17896. Not Present
17897. - Downlink DPCH info for each RL	178	17899.
17900. - CHOICE mode	179	17902. FDD
17903. - Primary CPICH usage for channel estimation	179	17905. Primary CPICH may be used
17906. - DPCH frame offset	179	17908. Set to value : Default DPCH Offset Value mod 38400
17909. - Power offset $P_{\text{Pilot-DPDCH}}$	179	17911. 0
17912. - Secondary CPICH info	179	17914. Not Present
17915. - DL channelisation code	179	17917.
17918. - Secondary scrambling code	179	17920. 5
17921. - Spreading factor	179	17923. Reference to TS34.108 clause 6.10 Parameter Set
17924. - Code number	179	17926. 0
17927. - Scrambling code change	179	17929. No change
17930. - TPC combination index	179	17932. 0
17933. - SSDT Cell Identity	179	17935. Not Present
17936. - Closed loop timing adjustment mode	179	17938. Not Present
17939. - SCCPCH information for FACH	179	17941. Not Present
17942. - Downlink information for each radio link	179	17944.
17945. - Choice mode	179	17947. FDD
17948. - Primary CPICH info	179	17950.
17951. - Primary scrambling code	179	17953. Ref. to the Default setting in TS34.108 clause 6.1 (FDD)
17954. - PDSCH with SHO DCH info	179	17956. Not Present
17957. - PDSCH code mapping	179	17959. Not Present
17960. - Downlink DPCH info for each RL	179	17962. Not Present
17963. - SCCPCH Information for FACH	179	17965. Not Present

17585. Information Element	175	17587. Value/remark
17966. - Downlink information for each radio link	179	17968. Not Present

17969. Condition	17970. Explanation
17971. A1	17972. This IE need for "Non speech in CS"
17973. A2	17974. This IE need for "Speech in CS"
17975. A3	17976. This IE need for "Packet to CELL_DCH from CELL_DCH in PS"
17977. A4	17978. This IE need for "Packet to CELL_DCH from CELL_FACH in PS"
17979. A5	17980. This IE need for "Packet to CELL_FACH from CELL_DCH in PS"
17981. A6	17982. This IE need for "Packet to CELL_FACH from CELL_FACH in PS"

Contents of PHYSICAL CHANNEL RECONFIGURATION COMPLETE message: AM

17983. Information Element	17984. Value/remark
17985. Message Type	17986.
17987. RRC transaction identifier	17988. Checked to see if it's set to identical value of the same IE in the downlink PHYSICAL CHANNEL RECONFIGURATION message
17989. Integrity check info	17990.
17991. - Message authentication code	17992. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
17993. - RRC Message sequence number	17994. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
17995. Uplink integrity protection activation info	17996. Not checked
17997. CHOICE mode	17998. FDD
17999. COUNT-C activation time	18000. Not checked
18001. Radio bearer uplink ciphering activation time info	18002. Not checked

18003. Uplink counter synchronisation info	18004. Not checked

Contents of PHYSICAL CHANNEL RECONFIGURATION FAILURE message: AM

Information Element	Value/remark
18005. Message Type	18006.
18007. RRC transaction identitifer	18008. Checked to see if it is set to identical value of the same IE in the downlink PHYSICAL CHANNEL RECONFIGURATION message.
18009. Integrity check info	18010.
18011. - Message authentication code	18012. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
18013. - RRC Message sequence number	18014. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
18015. Failure cause	18016. Checked to see if it meets test requirement

Contents of RADIO BEARER SETUP message: AM or UM

18017. Information Element	18	18019. Value/remark
18020. Message Type	18	18022.

18017. Information Element	18	18019. Value/remark
18023. RRC transaction identifier	18	18025. Arbitrarily selects an integer between 0 and 3
18026. Integrity check info	18	18028.
18029. - message authentication code	18	18031. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
18032. - RRC message sequence number	18	18034. SS provides the value of this IE, from its internal counter.
18035. Integrity protection mode info	18	18037. Not Present
18038. Ciphering mode info	18	18040. Not Present
18041. Activation time	18	18043. (256+CFN-(CFN MOD 8 + 8))MOD 256
18044. Activation time	18	18046. Not Present

18017. Information Element	18	18019. Value/remark
18047. New U-RNTI	18	18049. Not Present
18050. New C-RNTI	18	18052. Not Present

18017. Information Element	18	18019. Value/remark
18053. New C-RNTI	18	18055. '1010 1010 1010 1010'
18056. New DSCH-RNTI	18	18058. Not Present
18059. RRC State indicator	18	18061. CELL_DCH

18017.Information Element	18	18019.Value/remark
18062.RRC State indicator	18	18064.CELL_FACH
18065.UTRAN DRX cycle length coefficient	18	18067.Not Present
18017.Information Element	18	

18017. Information Element	18	18019. Value/remark
18068. CN information info	18	18070. Not Present
18071. URA identity	18	18073. Not Present
18074. Signalling RB information to setup	18	18076. Not Present
18077. RAB information for setup	18	18079.
18080.　　　- RAB info	18	18082.
18083.　　　- RAB identity	18	18085. 0000 0001B
		18086. The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.
18087.　　　- CN domain identity	18	18089. CS domain
18090.　　　- NAS Synchronization Indicator	18	18092. Not Present
18093.　　　- Re-establishment timer	18	18095. useT314
18096.　　　- RB information to setup	18	18098.
18099.　　　- RB identity	18	18101. 10
18102.　　　- PDCP info	18	18104. Not Present
18105.　　　- CHOICE RLC info type	18	18107. RLC info
18108.　　　　- CHOICE Uplink RLC mode	18	18110. TM RLC
18111.　　　　- Transmission RLC discard	18	18113. Not Present
18114.　　　　- Segmentation indication	18	18116. FALSE
18117.　　　　- CHOICE Downlink RLC mode	18	18119. TM RLC
18120.　　　　- Segmentation indication	18	18122. FALSE
18123.　　　- RB mapping info	18	18125.
18017. Information Element	18	**18019. Value/remark**

18017. Information Element	18	18019. Value/remark
18126. - Information for each multiplexing option	18	18128.
18129. - RLC logical channel mapping indicator	18	18131. Not Present
18132. - Number of uplink RLC logical channels	18	18134. 1
18135. - Uplink transport channel type	18	18137. DCH
18138. - UL Transport channel identity	18	18140. 1
18141. - Logical channel identity	18	18143. Not Present
18144. - CHOICE RLC size list	18	18146. Configured
18147. - MAC logical channel priority	18	18149. 7
18150. - Downlink RLC logical channel info	18	18152.
18153. - Number of downlink RLC logical channels	18	18155. 1
18156. - Downlink transport channel type	18	18158. DCH
18159. - DL DCH Transport channel identity	18	18161. 6
18162. - DL DSCH Transport channel identity	18	18164. Not Present
18165. - Logical channel identity	18	18167. Not Present
18168. RAB information for setup	18	18170.
18171. - RAB info	18	18173.
18174. - RAB identity	18	18176. 0000 0001B
		18177. The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.
18178. - CN domain identity	18	18180. CS domain

18017. Information Element	18	18019. Value/remark
18181. - NAS Synchronization Indicator	18	18183. Not Present
18184. - Re-establishment timer	18	18186. useT314
18187. - RB information to setup	18	18189.
18190. - RB identity	18	18192. 10
18193. - PDCP info	18	18195. Not Present
18196. - CHOICE RLC info type	18	18198. RLC info
18199. - CHOICE Uplink RLC mode	18	18201. TM RLC
18202. - Transmission RLC discard	18	18204. Not Present
18205. - Segmentation indication	18	18207. FALSE
18208. - CHOICE Downlink RLC mode	18	18210. TM RLC
18211. - Segmentation indication	18	18213. FALSE
18214. - RB mapping info	18	18216.
18217. - Information for each multiplexing option	18	18219.
18220. - RLC logical channel mapping indicator	18	18222. Not Present
18223. - Number of uplink RLC logical channels	18	18225. 1
18226. - Uplink transport channel type	18	18228. DCH
18229. - UL Transport channel identity	18	18231. 1
18232. - Logical channel identity	18	18234. Not Present
18235. - CHOICE RLC size list	18	18237. Configured
18238. - MAC logical channel priority	18	18240. 6
18241. - Downlink RLC logical channel info	18	18243.
18244. - Number of downlink RLC logical channels	18	18246. 1
18247. - Downlink transport channel type	18	18249. DCH

18017. Information Element	18	18019. Value/remark
18250.　　　- DL DCH Transport channel identity	18	18252. 6
18253.　　　- DL DSCH Transport channel identity	18	18255. Not Present
18256.　　　- Logical channel identity	18	18258. Not Present
18259.　　- RB identity	18	18261. 11
18262.　　- PDCP info	18	18264. Not Present
18265.　　- CHOICE RLC info type	18	18267. RLC info
18268.　　　- CHOICE Uplink RLC mode	18	18270. TM RLC
18271.　　　- Transmission RLC discard	18	18273. Not Present
18274.　　　- Segmentation indication	18	18276. FALSE
18277.　　　- CHOICE Downlink RLC mode	18	18279. TM RLC
18280.　　　- Segmentation indication	18	18282. FALSE
18283.　　- RB mapping info	18	18285.
18286.　　- Information for each multiplexing option	18	18288.
18289.　　　- RLC logical channel mapping indicator	18	18291. Not Present
18292.　　　- Number of uplink RLC logical channels	18	18294. 1
18295.　　　- Uplink transport channel type	18	18297. DCH
18298.　　　- UL Transport channel identity	18	18300. 2
18301.　　　- Logical channel identity	18	18303. Not Present
18304.　　　- CHOICE RLC size list	18	18306. Configured
18307.　　　- MAC logical channel priority	18	18309. 6
18310.　　　- Downlink RLC logical channel info	18	18312.
18313.　　　- Number of downlink RLC logical channels	18	18315. 1
18316.　　　- Downlink transport channel type	18	18318. DCH

18017. Information Element	18	18019. Value/remark
18319. - DL DCH Transport channel identity	18	18321. 7
18322. - DL DSCH Transport channel identity	18	18324. Not Present
18325. - Logical channel identity	18	18327. Not Present
18328. - RB identity	18	18330. 12
18331. - PDCP info	18	18333. Not Present
18334. - CHOICE RLC info type	18	18336. RLC info
18337. - CHOICE Uplink RLC mode	18	18339. TM RLC
18340. - Transmission RLC discard	18	18342. Not Present
18343. - Segmentation indication	18	18345. FALSE
18346. - CHOICE Downlink RLC mode	18	18348. TM RLC
18349. - Segmentation indication	18	18351. FALSE
18352. - RB mapping info	18	18354.
18355. - Information for each multiplexing option	18	18357.
18358. - RLC logical channel mapping indicator	18	18360. Not Present
18361. - Number of uplink RLC logical channels	18	18363. 1
18364. - Uplink transport channel type	18	18366. DCH
18367. - UL Transport channel identity	18	18369. 3
18370. - Logical channel identity	18	18372. Not Present
18373. - CHOICE RLC size list	18	18375. Configured
18376. - MAC logical channel priority	18	18378. 6
18379. - Downlink RLC logical channel info	18	18381.
18382. - Number of downlink RLC logical channels	18	18384. 1
18385. - Downlink transport channel type	18	18387. DCH

18017. Information Element	18	18019. Value/remark
18388. - DL DCH Transport channel identity	18	18390. 8
18391. - DL DSCH Transport channel identity	18	18393. Not Present
18394. - Logical channel identity	18	18396. Not Present
18397. RAB information for setup	18	18399.
18400. - RAB info	18	18402. (AM DTCH for PS domain)
18403. - RAB identity	18	18405. 0000 0101B
		18406. The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.
18407. - CN domain identity	18	18409. PS domain
18410. - NAS Synchronization Indicator	18	18412. Not Present
18413. - Re-establishment timer	18	18415. useT315
18416. - RB information to setup	18	18418.
18419. - RB identity	18	18421. 20
18422. - PDCP info	18	18424.
18425. - Support for lossless SRNS relocation	18	18427. FALSE
18428. - Max PDCP SN window size	18	18430. Not present
18431. - PDCP PDU header	18	18433. Absent
18434. - Header compression information	18	18436. Not present

18017. Information Element	18	18019. Value/remark
18437. - CHOICE RLC info type	18	18439. RLC info
18440. - CHOICE Uplink RLC mode	18	18442. AM RLC
18443. - Transmission RLC discard	18	18445.
18446. - CHOICE SDU discard mode	18	18448. No Discard
18449. - MAX_DAT	18	18451. 15
18452. - Transmission window size	18	18454. 128
18455. - Timer_RST	18	18457. 500
18458. - Max_RST	18	18460. 4
18461. - Polling info	18	18463.
18464. - Timer_poll_prohibit	18	18466. 200
18467. - Timer_poll	18	18469. 200
18470. - Poll_PDU	18	18472. Not Present
18473. - Poll_SDU	18	18475. 1
18476. - Last transmission PDU poll	18	18478. TRUE
18479. - Last retransmission PDU poll	18	18481. TRUE
18482. - Poll_Windows	18	18484. 99
18485. - Timer_poll_periodic	**18**	18487. Not Present
18488. - CHOICE Downlink RLC mode	18	18490. AM RLC
18491. - In-sequence delivery	18	18493. TRUE
18494. - Receiving window size	18	18496. 128
18497. - Downlink RLC status info	18	18499.
18500. - Timer_status_prohibit	18	18502. 200
18503. - Timer_EPC	18	18505. Not Present
18506. - Missing PDU indicator	18	18508. TRUE
18509. - Timer_STATUS_periodic	**18**	18511. Not Present
18512. - RB mapping info	18	18514.
18515. - Information for each multiplexing option	18	18517. 2 RBMuxOptions

18017. Information Element	18	18019. Value/remark
18518. - RLC logical channel mapping indicator	18	18520. Not Present
18521. - Number of uplink RLC logical channels	18	18523. 1
18524. - Uplink transport channel type	18	18526. DCH
18527. - UL Transport channel identity	18	18529. 1
18530. - Logical channel identity	18	18532. Not Present
18533. - CHOICE RLC size list	18	18535. Configured
18536. - MAC logical channel priority	18	18538. 8
18539. - Downlink RLC logical channel info	18	18541.
18542. - Number of downlink RLC logical channels	18	18544. 1
18545. - Downlink transport channel type	18	18547. DCH
18548. - DL DCH Transport channel identity	18	18550. 6
18551. - DL DSCH Transport channel identity	18	18553. Not Present
18554. - Logical channel identity	18	18556. Not Present
18557. - RLC logical channel mapping indicator	18	18559. Not Present
18560. - Number of uplink RLC logical channels	18	18562. 1
18563. - Uplink transport channel type	18	18565. RACH
18566. - UL Transport channel identity	18	18568. Not Present
18569. - Logical channel identity	18	18571. 7
18572. - CHOICE RLC size list	18	18574. Explicit list
18575. - RLC size index	18	18577. Reference to TS34.108 clause 6 Parameter Set
18578. - MAC logical channel priority	18	18580. 8

18017. Information Element	18	18019. Value/remark
18581. - Downlink RLC logical channel info	18	18583.
18584. - Number of downlink RLC logical channels	18	18586. 1
18587. - Downlink transport channel type	18	18589. FACH
18590. - DL DCH Transport channel identity	18	18592. Not Present
18593. - DL DSCH Transport channel identity	18	18595. Not Present
18596. - Logical channel identity	18	18598. 7
18599. RB information to be affected	18	18601. Not Present
18602. Downlink counter synchronisation info	18	18604. Not Present
18017. Information Element	18	18019. Value/remark

18017. Information Element	18	18019. Value/remark
18605. UL Transport channel information for all transport channels	18	18607.
18017. Information Element	18	18019. Value/remark

18017. Information Element	18	18019. Value/remark
18608. - PRACH TFCS	18	18610. Not Present
18611. - CHOICE mode	18	18613. FDD
18614. - TFC subset	18	18616. Not Present
18617. - UL DCH TFCS	18	18619.
18620. - CHOICE TFCI signalling	18	18622. Normal
18623. - TFCI Field 1 information	18	18625.
18626. - CHOICE TFCS representation	18	18628. Complete reconfiguration
18629. - TFCS complete reconfigure information	18	18631.
18632. - CHOICE CTFC Size	18	18634. Number of bits used must be enough to cover all combinations of CTFC from TS34.108 clause 6.10.2.4 Parameter Set.
18635. - CTFC information	18	18637. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Parameter Set
18638. - CTFC	18	18640. Reference to TS34.108 clause 6.10.2.4 Parameter Set
18641. - Power offset information	18	18643.
18644. - CHOICE Gain Factors	18	18646. Computed Gain Factors(The last TFC is set to Signalled Gain Factors)
18647. - Gain factor βc	18	18649. 11 (below 64 kbps)
		18650. 9 (higher than 64 kbps) (Not Present if the CHOICE Gain Factors is set to Computed Gain Factors)
18651. - Gain factor βd	18	18653. 15
		18654. (Not Present if the CHOICE Gain Factors is set to Computed Gain Factors)

18017. Information Element	18	18019. Value/remark
18655. - Reference TFC ID	18	18657. 0
18658. - CHOICE mode	18	18660. FDD
18661. - Power offset P ₚ₋ₘ	18	18663. Not Present
18664. Deleted UL TrCH information	18	**18666.** Not Present
18667. Added or Reconfigured UL TrCH information	18	18669. 1 DCH added, 1 DCH reconfigured
18017. Information Element	18	18019. Value/remark

18017. Information Element	18	18019. Value/remark
18670. - Uplink transport channel type	18	18672. DCH
18673. - UL Transport channel identity	18	18675. 1
18676. - TFS	18	18678.
18679. - CHOICE Transport channel type	18	18681. Dedicated transport channels
18682. - Dynamic Transport format information	18	18684.
18685. - RLC Size	18	18687. Reference to TS34.108 clause 6.10 Parameter Set
18688. - Number of TBs and TTI List	18	18690. (This IE is repeated for TFI number.)
18691. - Transmission Time Interval	18	18693. Not Present
18694. - Number of Transport blocks	18	18696. Reference to TS34.108 clause 6.10 Parameter Set
18697. - CHOICE Logical Channel list	18	18699. All
18700. - Semi-static Transport Format information	18	18702.
18703. - Transmission time interval	18	18705. Reference to TS34.108 clause 6.10 Parameter Set
18706. - Type of channel coding	18	18708. Reference to TS34.108 clause 6.10 Parameter Set
18709. - Coding Rate	18	18711. Reference to TS34.108 clause 6.10 Parameter Set
18712. - Rate matching attribute	18	18714. Reference to TS34.108 clause 6.10 Parameter Set
18715. - CRC size	18	18717. Reference to TS34.108 clause 6.10 Parameter Set
18718. - Uplink transport channel type	18	18720. DCH
18721. - UL Transport channel identity	18	18723. 5
18724. - TFS	18	18726.

18017. Information Element	18	18019. Value/remark
18727. - CHOICE Transport channel type	18	18729. Dedicated transport channels
18730. - Dynamic Transport format information	18	18732.
18733. - RLC Size	18	18735. Reference to TS34.108 clause 6.10 Parameter Set
18736. - Number of TBs and TTI List	18	18738. (This IE is repeated for TFI number.)
18739. - Transmission Time Interval	18	18741. Not Present
18742. - Number of Transport blocks	18	18744. Reference to TS34.108 clause 6.10 Parameter Set
18745. - CHOICE Logical Channel list	18	18747. All
18748. - Semi-static Transport Format information	18	18750.
18751. - Transmission time interval	18	18753. Reference to TS34.108 clause 6.10 Parameter Set
18754. - Type of channel coding	18	18756. Reference to TS34.108 clause 6.10 Parameter Set
18757. - Coding Rate	18	18759. Reference to TS34.108 clause 6.10 Parameter Set
18760. - Rate matching attribute	18	18762. Reference to TS34.108 clause 6.10 Parameter Set
18763. - CRC size	18	18765. Reference to TS34.108 clause 6.10 Parameter Set
18766. Added or Reconfigured UL TrCH information	18	18768. 4 TrCHs(DCH for DCCH and 3DCHs for DTCH)
18769. - Uplink transport channel type	18	18771. DCH
18772. - UL Transport channel identity	18	18774. 5
18775. - TFS	18	18777.
18778. - CHOICE Transport channel type	18	18780. Dedicated transport channels
18781. - Dynamic Transport format information	18	18783.

18017. Information Element	18	18019. Value/remark
18784. - RLC Size	18	18786. Reference to TS34.108 clause 6.10 Parameter Set
18787. - Number of TBs and TTI List	18	18789. (This IE is repeated for TFI number.)
18790. - Transmission Time Interval	18	18792. Not Present
18793. - Number of Transport blocks	18	18795. Reference to TS34.108 clause 6.10 Parameter Set
18796. - CHOICE Logical Channel list	18	18798. All
18799. - Semi-static Transport Format information	18	18801.
18802. - Transmission time interval	18	18804. Reference to TS34.108 clause 6.10 Parameter Set
18805. - Type of channel coding	18	18807. Reference to TS34.108 clause 6.10 Parameter Set
18808. - Coding Rate	18	18810. Reference to TS34.108 clause 6.10 Parameter Set
18811. - Rate matching attribute	18	18813. Reference to TS34.108 clause 6.10 Parameter Set
18814. - CRC size	18	18816. Reference to TS34.108 clause 6.10 Parameter Set
18817. - Uplink transport channel type	18	18819. DCH
18820. - UL Transport channel identity	18	18822. 1
18823. - TFS	18	18825.
18826. - CHOICE Transport channel type	18	18828. Dedicated transport channels
18829. - Dynamic Transport format information	18	18831.
18832. - RLC Size	18	18834. Reference to TS34.108 clause 6.10 Parameter Set
18835. - Number of TBs and TTI List	18	18837. (This IE is repeated for TFI number.)
18838. - Transmission Time Interval	18	18840. Not Present
18841. - Number of Transport blocks	18	18843. Reference to TS34.108 clause 6.10 Parameter Set
18844. - CHOICE Logical Channel list	18	18846. All

18017. Information Element	18	18019. Value/remark
18847. - Semi-static Transport Format information	18	18849.
18850. - Transmission time interval	18	18852. Reference to TS34.108 clause 6.10 Parameter Set
18853. - Type of channel coding	18	18855. Reference to TS34.108 clause 6.10 Parameter Set
18856. - Coding Rate	18	18858. Reference to TS34.108 clause 6.10 Parameter Set
18859. - Rate matching attribute	18	18861. Reference to TS34.108 clause 6.10 Parameter Set
18862. - CRC size	18	18864. Reference to TS34.108 clause 6.10 Parameter Set
18865. - Uplink transport channel type	18	18867. DCH
18868. - UL Transport channel identity	18	18870. 2
18871. - TFS	18	18873.
18874. - CHOICE Transport channel type	18	18876. Dedicated transport channels
18877. - Dynamic Transport format information	18	18879.
18880. - RLC Size	18	18882. Reference to TS34.108 clause 6.10 Parameter Set
18883. - Number of TBs and TTI List	18	18885. (This IE is repeated for TFI number.)
18886. - Transmission Time Interval	18	18888. Not Present
18889. - Number of Transport blocks	18	18891. Reference to TS34.108 clause 6.10 Parameter Set
18892. - CHOICE Logical Channel list	18	18894. All
18895. - Semi-static Transport Format information	18	18897.
18898. - Transmission time interval	18	18900. Reference to TS34.108 clause 6.10 Parameter Set
18901. - Type of channel coding	18	18903. Reference to TS34.108 clause 6.10 Parameter Set
18904. - Coding Rate	18	18906. Reference to TS34.108 clause 6.10 Parameter Set

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18017. Information Element	18	18019. Value/remark
18907. - Rate matching attribute	18	18909. Reference to TS34.108 clause 6.10 Parameter Set
18910. - CRC size	18	18912. Reference to TS34.108 clause 6.10 Parameter Set
18913. - Uplink transport channel type	18	18915. DCH
18916. - UL Transport channel identity	18	18918. 3
18919. - TFS	18	18921.
18922. - CHOICE Transport channel type	18	18924. Dedicated transport channels
18925. - Dynamic Transport format information	18	18927.
18928. - RLC Size	18	18930. Reference to TS34.108 clause 6.10 Parameter Set
18931. - Number of TBs and TTI List	18	18933. (This IE is repeated for TFI number.)
18934. - Transmission Time Interval	18	18936. Not Present
18937. - Number of Transport blocks	18	18939. Reference to TS34.108 clause 6.10 Parameter Set
18940. - CHOICE Logical Channel list	18	18942. All
18943. - Semi-static Transport Format information	18	18945.
18946. - Transmission time interval	18	18948. Reference to TS34.108 clause 6.10 Parameter Set
18949. - Type of channel coding	18	18951. Reference to TS34.108 clause 6.10 Parameter Set
18952. - Coding Rate	18	18954. Reference to TS34.108 clause 6.10 Parameter Set
18955. - Rate matching attribute	18	18957. Reference to TS34.108 clause 6.10 Parameter Set
18958. - CRC size	18	18960. Reference to TS34.108 clause 6.10 Parameter Set
18961. CHOICE *mode*	18	18963. FDD

18017. Information Element	18	18019. Value/remark
18964. - CPCH set ID	18	18966. Not Present
18967. - Added or Reconfigured TrCH information for DRAC list	18	18969. Not Present
18970.	18	18972.
18973. DL Transport channel information common for all transport channel	18	18975.
18976. - SCCPCH TFCS	18	18978. Not Present
18979. - CHOICE mode	18	18981. FDD
18982. - CHOICE DL parameters	18	18984. SameasUL
18985. DL Transport channel information	18	18987.

18017. Information Element	18	18019. Value/remark
common for all transport channel		
18988. - SCCPCH TFCS	18	18990. Not Present
18991. - CHOICE mode	18	18993. FDD
18994. - CHOICE DL parameters	18	18996. Explicit
18997. - DL DCH TFCS	18	18999.
19000. - CHOICE TFCI Signalling	19	19002. Normal
19003. - TFCI Field 1 Information	19	19005.
19006. - CHOICE TFCS representation	19	19008. Complete reconfiguration
19009. - TFCS complete reconfigure	19	19011.
19012. - CHOICE CTFC Size	19	19014. Number of bits used must be enough to cover all combinations of CTFC from clause TS34.108 clause 6.10.2.4 Parameter Set.
19015. - CTFC information	19	19017. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4
19018. - CTFC	19	19020. Reference to TS34.108 clause 6.10.2.4 Parameter Set
19021. - Power offset information	19	19023. Not Present
19024. Deleted DL TrCH information	19	19026. Not Present
	18	18019. Value/remark

18017. Information Element	18	18019. Value/remark
19027. Added or Reconfigured DL TrCH information	19	19029. 1 DCH added, 1 DCH reconfigured
19030. - Downlink transport channel type	19	19032. DCH
19033. - DL Transport channel identity	19	19035. 6
19036. - CHOICE DL parameters	19	19038. Same as UL
19039. - Uplink transport channel type	19	19041. DCH
19042. - UL TrCH identity	19	19044. 1
19045. - DCH quality target	19	19047.
19048. - BLER Quality value	19	19050. -2.0
19051. - Downlink transport channel type	19	19053. DCH
19054. - DL Transport channel identity	19	19056. 10
19057. - CHOICE DL parameters	19	19059. Same as UL
19060. - Uplink transport channel type	19	19062. DCH
19063. - UL TrCH identity	19	19065. 5
19066. - DCH quality target	19	19068.
18017. Information Element	**18**	**18019. Value/remark**

18017. Information Element	18	18019. Value/remark
19069. - BLER Quality value	19	19071. -2.0
19072. Added or Reconfigured DL TrCH information	19	19074. 2 TrCHs(DCH for DCCH and DCH for DTCH)
19075. - Downlink transport channel type	19	19077. DCH
19078. - DL Transport channel identity	19	19080. 10
19081. - CHOICE DL parameters	19	19083. Same as UL
19084. - Uplink transport channel type	19	19086. DCH
19087. - UL TrCH identity	19	19089. 5
19090. - DCH quality target	19	19092.
19093. - BLER Quality value	19	19095. -2.0
19096. - Downlink transport channel type	19	19098. DCH
19099. - DL Transport channel identity	19	19101. 6
19102. - CHOICE DL parameters	19	19104. Explicit
19105. - TFS	19	19107.
19108. - CHOICE Transport channel type	19	19110. Dedicated transport channel
19111. - Dynamic transport format information	19	19113.
19114. - RLC Size	19	19116. Reference to TS34.108 clause 6.10 Parameter Set
18017. Information Element	18	18019. Value/remark

18017. Information Element	18	18019. Value/remark
19117. - Number of TBs and TTI List	19	19119. (This IE is repeated for TFI number.)
19120. - Dynamic transport format information	19	19122.
19123. - Transmission Time Interval	19	19125. Not Present
19126. - Number of Transport blocks	19	19128. Reference to TS34.108 clause 6.10 Parameter Set
19129. - CHOICE Logical Channel list	19	19131. All
19132. - Semi-static Transport Format information	19	19134.
19135. - Transmission time interval	19	19137. Reference to TS34.108 clause 6.10 Parameter Set
19138. - Type of channel coding	19	19140. Reference to TS34.108 clause 6.10 Parameter Set
19141. - Coding Rate	19	19143. Reference to TS34.108 clause 6.10 Parameter Set
19144. - Rate matching attribute	19	19146. Reference to TS34.108 clause 6.10 Parameter Set
19147. - CRC size	19	19149. Reference to TS34.108 clause 6.10 Parameter Set
19150. - DCH quality target	19	19152.
19153. - BLER Quality value	19	19155. -2.0
19156. Added or Reconfigured DL TrCH information	19	19158. 4 TrCHs(DCH for DCCH and 3DCHs for DTCH)
19159. - Downlink transport channel type	19	19161. DCH
19162. - DL Transport channel identity	19	19164. 10
19165. - CHOICE DL parameters	19	19167. Same as UL
19168. - Uplink transport channel type	19	19170. DCH
19171. - UL TrCH identity	19	19173. 5
19174. - DCH quality target	19	19176.

18017. Information Element	18	18019. Value/remark
19177. - BLER Quality value	19	19179. 2.0
19180. - Downlink transport channel type	19	19182. DCH
19183. - DL Transport channel identity	19	19185. 6
19186. - CHOICE DL parameters	19	19188. Explicit
19189. - TFS	19	19191.
19192. - CHOICE Transport channel type	19	19194. Dedicated transport channel
19195. - Dynamic transport format information	19	19197.
19198. - RLC Size	19	19200. Reference to TS34.108 clause 6.10 Parameter Set
19201. - Number of TBs and TTI List	19	19203. (This IE is repeated for TFI number.)
19204. - Dynamic transport format information	19	19206.
19207. - Transmission Time Interval	19	19209. Not Present
19210. - Number of Transport blocks	19	19212. Reference to TS34.108 clause 6.10 Parameter Set
19213. - CHOICE Logical Channel list	19	19215. All
19216. - Semi-static Transport Format information	19	19218.
19219. - Transmission time interval	19	19221. Reference to TS34.108 clause 6.10 Parameter Set
19222. - Type of channel coding	19	19224. Reference to TS34.108 clause 6.10 Parameter Set
19225. - Coding Rate	19	19227. Reference to TS34.108 clause 6.10 Parameter Set
19228. - Rate matching attribute	19	19230. Reference to TS34.108 clause 6.10 Parameter Set
19231. - CRC size	19	19233. Reference to TS34.108 clause 6.10 Parameter Set
19234. - DCH quality target	19	19236.
19237. - BLER Quality value	19	19239. Not Present

18017. Information Element	18	18019. Value/remark
19240. - Downlink transport channel type	19	19242. DCH
19243. - DL Transport channel identity	19	19245. 7
19246. - CHOICE DL parameters	19	19248. Explicit
19249. - TFS	19	19251.
19252. - CHOICE Transport channel type	19	19254. Dedicated transport channel
19255. - Dynamic transport format information	19	19257.
19258. - RLC Size	19	19260. Reference to TS34.108 clause 6.10 Parameter Set
19261. - Number of TBs and TTI List	19	19263. (This IE is repeated for TFI number.)
19264. - Dynamic transport format information	19	19266.
19267. - Transmission Time Interval	19	19269. Not Present
19270. - Number of Transport blocks	19	19272. Reference to TS34.108 clause 6.10 Parameter Set
19273. - CHOICE Logical Channel list	19	19275. All
19276. - Semi-static Transport Format information	19	19278.
19279. - Transmission time interval	19	19281. Reference to TS34.108 clause 6.10 Parameter Set
19282. - Type of channel coding	19	19284. Reference to TS34.108 clause 6.10 Parameter Set
19285. - Coding Rate	19	19287. Reference to TS34.108 clause 6.10 Parameter Set
19288. - Rate matching attribute	19	19290. Reference to TS34.108 clause 6.10 Parameter Set
19291. - CRC size	19	19293. Reference to TS34.108 clause 6.10 Parameter Set
19294. - DCH quality target	19	19296.
19297. - BLER Quality value	19	19299. Not Present
19300. - Downlink transport channel type	19	19302. DCH

18017. Information Element	18	18019. Value/remark
19303. - DL Transport channel identity	19	19305. 8
19306. - CHOICE DL parameters	19	19308. Explicit
19309. - TFS	19	19311.
19312. - CHOICE Transport channel type	19	19314. Dedicated transport channel
19315. - Dynamic transport format information	19	19317.
19318. - RLC Size	19	19320. Reference to TS34.108 clause 6.10 Parameter Set
19321. - Number of TBs and TTI List	19	19323. (This IE is repeated for TFI number.)
19324. - Dynamic transport format information	19	19326.
19327. - Transmission Time Interval	19	19329. Not Present
19330. - Number of Transport blocks	19	19332. Reference to TS34.108 clause 6.10 Parameter Set
19333. - CHOICE Logical Channel list	19	19335. All
19336. - Semi-static Transport Format information	19	19338.
19339. - Transmission time interval	19	19341. Reference to TS34.108 clause 6.10 Parameter Set
19342. - Type of channel coding	19	19344. Reference to TS34.108 clause 6.10 Parameter Set
19345. - Coding Rate	19	19347. Reference to TS34.108 clause 6.10 Parameter Set
19348. - Rate matching attribute	19	19350. Reference to TS34.108 clause 6.10 Parameter Set
19351. - CRC size	19	19353. Reference to TS34.108 clause 6.10 Parameter Set
19354. - DCH quality target	19	19356.
19357. - BLER Quality value	19	19359. Not Present
19360. Frequency info	19	19362.

18017. Information Element	18	18019. Value/remark
19363. - UARFCN uplink (Nu)	19	19365. Reference to clause 5.1 Test frequencies if frequency is different from the current frequency otherwise set to Not Present.
19366. - UARFCN downlink (Nd)	19	19368. Reference to clause 5.1 Test frequencies if frequency is different from the current frequency otherwise set to Not Present.
19369. Frequency info	19	19371. Not Present
19372. Maximum allowed UL TX power	19	19374. 33dBm

18017. Information Element	18	18019. Value/remark
19375. Maximum allowed UL TX power	19	19377. Not Present
19378. CHOICE channel requirement	19	19380. Uplink DPCH info
19381. - Uplink DPCH power control info	19	19383.
19384. - DPCCH power offset	19	19386. -6dB
19387. - PC Preamble	19	19389. 1 frame
19390. - SRB delay	19	19392. 7 frames
19393. - Power Control Algorithm	19	19395. Algorithm1
19396. - TPC step size	19	19398. 1dB
19399. - Scrambling code type	19	19401. Long
19402. - Scrambling code number	19	19404. 0 (0 to 16777215)

18017. Information Element	18	18019. Value/remark
19405. - Number of DPDCH	19	19407. Not Present(1)
19408. - spreading factor	19	19410. Reference to TS34.108 clause 6.10 Parameter Set
19411. - TFCI existence	19	19413. Reference to TS34.108 clause 6.10 Parameter Set
19414. - Number of FBI bit	19	19416. Reference to TS34.108 clause 6.10 Parameter Set
19417. - Puncturing Limit	19	19419. Reference to TS34.108 clause 6.10 Parameter Set
19420. CHOICE channel requirement	19	19422. Not Present
19423. CHOICE Mode	19	19425. FDD
19426. - Downlink PDSCH information	19	19428. Not Present

18017. Information Element	18	18019. Value/remark
19429. Downlink information common for all radio links	19	19431.
19432. - Downlink DPCH info common for all RL	19	19434.
19435. - Timing indicator	19	19437. Maintain
19438. - CFN-targetSFN frame offset	19	19440. Not Present
19441. - Downlink DPCH power control information	19	19443.
19444. - DPC mode	19	19446. 0 (single)
19447. - CHOICE mode	19	19449. FDD
19450. - Power offset $P_{Pilot-DPDCH}$	19	19452. 0
19453. - DL rate matching restriction information	19	19455. Not Present
19456. - Spreading factor	19	19458. Reference to TS34.108 clause 6.10 Parameter Set
19459. - Fixed or Flexible Position	19	19461. Reference to TS34.108 clause 6.10 Parameter Set
19462. - TFCI existence	19	19464. Reference to TS34.108 clause 6.10 Parameter Set
19465. - CHOICE SF	19	19467. Reference to TS34.108 clause 6.10 Parameter Set
19468. - CHOICE mode	19	19470. FDD
19471. - DPCH compressed mode info	19	19473. Not Present
19474. - TX Diversity mode	19	19476. None
19477. - SSDT information	19	19479. Not Present
19480. - Default DPCH Offset Value	19	19482. Not Present
19483. Downlink information common for all radio links	19	19485.

18017. Information Element	18	18019. Value/remark
19486. - Downlink DPCH info common for all RL	19	19488.
19489. - Timing indicator	19	19491. Initialise
19492. - CFN-targetSFN frame offset	19	19494. Not Present
19495. - Downlink DPCH power control information	19	19497.
19498. - DPC mode	19	19500. 0 (single)
19501. - CHOICE mode	19	19503. FDD
19504. - Power offset P$_{Pilot\text{-}DPDCH}$	19	19506. 0
19507. - DL rate matching restriction information	19	19509. Not Present
19510. - Spreading factor	19	19512. Reference to TS34.108 clause 6.10 Parameter Set
19513. - Fixed or Flexible Position	19	19515. Reference to TS34.108 clause 6.10 Parameter Set
19516. - TFCI existence	19	19518. Reference to TS34.108 clause 6.10 Parameter Set
19519. - CHOICE SF	19	19521. Reference to TS34.108 clause 6.10 Parameter Set
19522. - CHOICE mode	19	19524. FDD
19525. - DPCH compressed mode info	19	19527. Not Present
19528. - TX Diversity mode	19	19530. None
19531. - SSDT information	19	19533. Not Present
19534. - Default DPCH Offset Value	19	19536. Arbitrary set to value 0..306688 by step of 512
19537. Downlink information common for all radio links	19	19539. Not Present
19540. Downlink information for each radio	19	19542.

18017. Information Element	18	18019. Value/remark
link list		
19543. - Downlink information for each radio link	19	19545.
19546. - Choice mode	19	19548. FDD
19549. - Primary CPICH info	19	19551.
19552. - Primary scrambling code	19	19554. Ref. to the Default setting in TS34.108 clause 6.1 (FDD)
19555. - PDSCH with SHO DCH info	19	19557. Not Present
19558. - PDSCH code mapping	19	19560. Not Present
19561. - Downlink DPCH info for each RL	19	19563.
19564. - Primary CPICH usage for channel estimation	19	19566. Primary CPICH may be used
19567. - DPCH frame offset	19	19569. Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400
19570. - Secondary CPICH info	19	19572. Not Present
19573. - DL channelisation code	19	19575.
19576. - Secondary scrambling code	19	19578. 1
19579. - Spreading factor	19	19581. Reference to TS34.108 clause 6.10 Parameter Set
18017. Information Element	**18**	**18019. Value/remark**

18017. Information Element	18	18019. Value/remark
19582. - Code number	19	19584. 0
19585. - Scrambling code change	19	19587. No change
19588. - TPC combination index	19	19590. 0
19591. - SSDT Cell Identity	19	19593. Not Present
19594. - Closed loop timing adjustment mode	19	19596. Not Present
19597. - SCCPCH information for FACH	19	19599. Not Present
19600. Downlink information for each radio link list	19	19602.
19603. - Downlink information for each radio link	19	19605.
19606. - Choice mode	19	19608. FDD
19609. - Primary CPICH info	19	19611.
19612. - Primary scrambling code	19	19614. Ref. to the Default setting in TS34.108 clause 6.1 (FDD)
19615. - PDSCH with SHO DCH info	19	19617. Not Present
19618. - PDSCH code mapping	19	19620. Not Present
19621. - Downlink DPCH info for each RL	19	19623. Not present
19624. - SCCPCH information for FACH	19	19626. Not Present
19627. Downlink information for each radio link list	19	19629. Not Present

19630. Condition	19631. Explanation
19632. A1	19633. This IE need for "Non speech to CELL_DCH from CELL_DCH in CS"
19634. A2	19635. This IE need for "Speech to CELL_DCH from CELL_DCH in CS"
19636. A3	19637. This IE need for "Packet to CELL_DCH from CELL_DCH in PS"
19638. A4	19639. This IE need for "Packet to CELL_DCH from CELL_FACH in PS"

19640. A5	19641. This IE need for "Packet to CELL_FACH from CELL_DCH in PS"
19642. A6	19643. This IE need for "Packet to CELL_FACH from CELL_FACH in PS"
19644. A7	19645. This IE need for "Non speech to CELL_DCH from CELL_FACH in CS"
19646. A8	19647. This IE need for "Speech to CELL_DCH from CELL_FACH in CS"

Contents of RADIO BEARER SETUP COMPLETE message: AM

19648. Message Type	19649.
19650. RRC transaction identifier	19651. Checked to see if the value is identical to the same IE in the downlink RADIO BEARER SETUP message.
19652. Integrity check info	19653.
19654. - Message authentication code	19655. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
19656. - RRC Message sequence number	19657. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
19658. Uplink integrity protection activation info	19659. Not checked.
19660. CHOICE mode	19661. FDD
19662. START	19663. Not checked
19664. COUNT-C activation time	19665. The UE shall include this IE if the following two conditions are fulfilled: (a) The RADIO BEARER SETUP message did not contain the IE "Ciphering activation time for DPCH" and (b) The RADIO BEARER SETUP message established the first RB(s) mapped to RLC-TM for a CN domain. Else, this IE is absent.
19666. Radio bearer uplink ciphering activation time info	19667. Not checked
19668. Uplink counter synchronisation info	19669. Not checked
19670.	19671.

Contents of RADIO BEARER SETUP FAILURE message: AM

Information Element	Value/remark
19672. Message Type	19673.

19674.RRC transaction identitifer	19675.Checked to see if it is set to identical value of the same IE in the downlink RADIO BEARER SETUP message.
19676.Integrity check info	19677.
19678. - Message authentication code	19679.This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/leftmost bit of the bit string contains the most significant bit of the MAC-I.
19680. - RRC Message sequence number	19681.This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
19682.Failure cause	19683.Checked to see if it meets test requirement
19684.Radio bearers for which reconfiguration would have succeeded	19685.Not checked

Contents of RADIO BEARER RECONFIGURATION message: AM or UM

19686.Information Element	19	19688.Value/remark
19689.Message Type	19	19691.
19692.RRC transaction identifier	19	19694.Arbitrarily selects an integer between 0 and 3
19695.Integrity check info	19	19697.
19698. - message authentication code	19	19700.SS calculates the value of MAC-I for this message and writes to this IE. The first/leftmost bit of the bit string

ETSI

19686. Information Element	19	19688. Value/remark
		contains the most significant bit of the MAC-I.
19701.　　- RRC message sequence number	19	19703. SS provides the value of this IE, from its internal counter.
19704. Integrity protection mode info	19	19706. Not Present
19707. Ciphering mode info	19	19709. Not Present
19710. Activation time	19	19712. (256+CFN-(CFN MOD 8 + 8))MOD 256
19713. Activation time	19	19715. Not Present
19716. New U-RNTI	19	19718. Not Present
19719. New C-RNTI	19	19721. Not Present
19722. New C-RNTI	19	19724. '1010 1010 1010 1010'
19686. Information Element	19	19688. Value/remark

19686. Information Element	**19**	**19688. Value/remark**
19725. New DSCH-RNTI	19	19727. Not Present
19728. RRC State indicator	19	19730. CELL_DCH
19731. RRC State indicator	19	19733. CELL_FACH
19734. UTRAN DRX cycle length coefficient	19	19736. Not Present

19686. Information Element	19	19688. Value/remark
19737. CN information info	19	19739. Not Present
19740. URA identity	19	19742. Not Present
19743. RAB information to reconfigure list	19	19745. Not Present
19746. RB information to reconfigure list	19	19748. TS25.331 specifies that "Although this IE is not always required, need is MP to align with ASN.1".
19749. - RB information to reconfigure	19	19751. (UM DCCH for RRC)
19752. - RB identity	19	19754. 1
19755. - PDCP info	19	19757. Not Present
19758. - PDCP SN info	19	19760. Not Present
19761. - RLC info	19	19763. Not Present
19764. - RB mapping info	19	19766. Not Present
19767. - RB stop/continue	19	19769. Not Present
19770. - RB information to reconfigure	19	19772. (AM DCCH for RRC)
19773. - RB identity	19	19775. 2
19776. - PDCP info	19	19778. Not Present
19779. - PDCP SN info	19	19781. Not Present
19782. - RLC info	19	19784. Not Present
19785. - RB mapping info	19	19787. Not Present
19788. - RB stop/continue	19	19790. Not Present
19791. - RB information to reconfigure	19	19793. (AM DCCH for NAS_DT High priority)
19794. - RB identity	19	19796. 3

19686. Information Element	19	19688. Value/remark
19797. - PDCP info	19	19799. Not Present
19800. - PDCP SN info	19	19802. Not Present
19803. - RLC info	19	19805. Not Present
19806. - RB mapping info	19	19808. Not Present
19809. - RB stop/continue	19	19811. Not Present
19812. - RB information to reconfigure	19	19814. (AM DCCH for NAS_DT Low priority)
19815. - RB identity	19	19817. 4
19818. - PDCP info	19	19820. Not Present
19821. - PDCP SN info	19	19823. Not Present
19824. - RLC info	19	19826. Not Present
19827. - RB mapping info	19	19829. Not Present
19830. - RB stop/continue	19	19832. Not Present
19833. - RB information to reconfigure	19	19835. (TM DTCH)
19836. - RB identity	19	19838. 10
19839. - PDCP info	19	19841. Not Present
19842. - PDCP SN info	19	19844. Not Present
19845. - RLC info	19	19847. Not Present
19848. - RB mapping info	19	19850. Not Present
19851. - RB stop/continue	19	19853. Not Present
19854. RB information to reconfigure list	19	19856. TS25.331 specifies that "Although this IE is not always required, need is MP to align with ASN.1".
19857. - RB information to reconfigure	19	19859. (UM DCCH for RRC)
19860. - RB identity	19	19862. 1
19863. - PDCP info	19	19865. Not Present
19866. - PDCP SN info	19	19868. Not Present
19869. - RLC info	19	19871. Not Present
19872. - RB mapping info	19	19874. Not Present
19875. - RB stop/continue	19	19877. Not Present

19686. Information Element	19	19688. Value/remark
19878. - RB information to reconfigure	19	19880. (AM DCCH for RRC)
19881. - RB identity	19	19883. 2
19884. - PDCP info	19	19886. Not Present
19887. - PDCP SN info	19	19889. Not Present
19890. - RLC info	19	19892. Not Present
19893. - RB mapping info	19	19895. Not Present
19896. - RB stop/continue	19	19898. Not Present
19899. - RB information to reconfigure	19	19901. (AM DCCH for NAS_DT High priority)
19902. - RB identity	19	19904. 3
19905. - PDCP info	19	19907. Not Present
19908. - PDCP SN info	19	19910. Not Present
19911. - RLC info	19	19913. Not Present
19914. - RB mapping info	19	19916. Not Present
19917. - RB stop/continue	19	19919. Not Present
19920. - RB information to reconfigure	19	19922. (AM DCCH for NAS_DT Low priority)
19923. - RB identity	19	19925. 4
19926. - PDCP info	19	19928. Not Present
19929. - PDCP SN info	19	19931. Not Present
19932. - RLC info	19	19934. Not Present
19935. - RB mapping info	19	19937. Not Present
19938. - RB stop/continue	19	19940. Not Present
19941. - RB information to reconfigure	19	19943. (TM DTCH)
19944. - RB identity	19	19946. 10
19947. - PDCP info	19	19949. Not Present
19950. - PDCP SN info	19	19952. Not Present
19953. - RLC info	19	19955. Not Present
19956. - RB mapping info	19	19958. Not Present
19959. - RB stop/continue	19	19961. Not Present

19686. Information Element	19	19688. Value/remark
19962. - RB information to reconfigure	19	19964. (TM DTCH)
19965. - RB identity	19	19967. 11
19968. - PDCP info	19	19970. Not Present
19971. - PDCP SN info	19	19973. Not Present
19974. - RLC info	19	19976. Not Present
19977. - RB mapping info	19	19979. Not Present
19980. - RB stop/continue	19	19982. Not Present
19983. - RB information to reconfigure	19	19985. (TM DTCH) 19986. (This IE is needed for 12.2 kbps and 10.2 kbps)
19987. - RB identity	19	19989. 12
19990. - PDCP info	19	19992. Not Present
19993. - PDCP SN info	19	19995. Not Present
19996. - RLC info	19	19998. Not Present
19999. - RB mapping info	20	20001. Not Present
20002. - RB stop/continue	20	20004. Not Present
20005. RB information to reconfigure list	20	20007. TS25.331 specifies that "Although this IE is not always required, need is MP to align with ASN.1".
20008. - RB information to reconfigure	20	20010. (UM DCCH for RRC)
20011. - RB identity	20	20013. 1
20014. - PDCP info	20	20016. Not Present
20017. - PDCP SN info	20	20019. Not Present
20020. - RLC info	20	20022. Not Present
20023. - RB mapping info	20	20025. Not Present
20026. - RB stop/continue	20	20028. Not Present

19686. Information Element	19	19688. Value/remark
20029. - RB information to reconfigure	20	20031. (AM DCCH for RRC)
20032. - RB identity	20	20034. 2
20035. - PDCP info	20	20037. Not Present
20038. - PDCP SN info	20	20040. Not Present
20041. - RLC info	20	20043. Not Present
20044. - RB mapping info	20	20046. Not Present
20047. - RB stop/continue	20	20049. Not Present
20050. - RB information to reconfigure	20	20052. (AM DCCH for NAS_DT High priority)
20053. - RB identity	20	20055. 3
20056. - PDCP info	20	20058. Not Present
20059. - PDCP SN info	20	20061. Not Present
20062. - RLC info	20	20064. Not Present
20065. - RB mapping info	20	20067. Not Present
20068. - RB stop/continue	20	20070. Not Present
20071. - RB information to reconfigure	20	20073. (AM DCCH for NAS_DT Low priority)
20074. - RB identity	20	20076. 4
20077. - PDCP info	20	20079. Not Present
20080. - PDCP SN info	20	20082. Not Present
20083. - RLC info	20	20085. Not Present
20086. - RB mapping info	20	20088. Not Present
20089. - RB stop/continue	20	20091. Not Present
20092. - RB information to reconfigure	20	20094. (AM DTCH)
20095. - RB identity	20	20097. 20
20098. - PDCP info	20	20100. Not Present
20101. - PDCP SN info	20	20103. Not Present
20104. - RLC info	20	20106. Not Present
20107. - RB mapping info	20	20109. Not Present
20110. - RB stop/continue	20	20112. Not Present

19686. Information Element	19	19688. Value/remark
20113. RB information to be affected	20	20115. Not Present
20116. UL Transport channel information for all transport channels	A1, A2, A5,A6 20	20118. Not Present
20119. UL Transport channel information for all transport channels	20	20121.
20122. - PRACH TFCS	20	20124. Not Present
20125. - CHOICE mode	20	20127. FDD
20128. - TFC subset	20	20130. Not Present
20131. - UL DCH TFCS	20	20133.
20134. - CHOICE TFCI signalling	20	20136. Normal
20137. - TFCI Field 1 information	20	20139.
20140. - CHOICE TFCS representation	20	20142. Complete reconfiguration
20143. - TFCS complete reconfigure information	20	20145.
20146. - CHOICE CTFC Size	20	20148. Number of bits used must be enough to cover all combinations of CTFC from TS34.108 clause 6.10.2.4

19686. Information Element	19	19688. Value/remark
		Parameter Set.
20149. - CTFC information	20	20151. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Parameter Set
20152. - CTFC	20	20154. Reference to TS34.108 clause 6.10.2.4 Parameter Set
20155. - Power offset information	20	20157.
20158. - CHOICE Gain Factors	20	20160. Computed Gain Factors(The last TFC is set to Signalled Gain Factors)
20161. - Gain factor βc	20	20163. 11 (below 64 kbps)
		20164. 9 (higher than 64 kbps)
		20165. (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors)
20166. - Gain factor βd	20	20168. 15
		20169. (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors)
20170. - Reference TFC ID	20	20172. 0
20173. - CHOICE mode	20	20175. FDD
20176. - Power offset P $_{p-m}$	20	20178. Not Present
20179. Deleted UL TrCH information	20	20181. Not Present

19686. Information Element	19	19688. Value/remark
20182. Added or Reconfigured UL TrCH information	20	20184. Not Present
20185. Added or Reconfigured UL TrCH information	20	20187. 2 TrCHs(DCH for DCCH and DCH for DTCH)
20188. - Uplink transport channel type	20	20190. DCH
20191. - UL Transport channel identity	20	20193. 5
20194. - TFS	20	20196.
20197. - CHOICE Transport channel type	20	20199. Dedicated transport channels
20200. - Dynamic Transport format information	20	20202.
20203. - RLC Size	20	20205. Reference to TS34.108 clause 6.10 Parameter Set
20206. - Number of TBs and TTI List	20	20208. (This IE is repeated for TFI number.)
20209. - Transmission Time Interval	20	20211. Not Present
20212. - Number of Transport blocks	20	20214. Reference to TS34.108 clause 6.10 Parameter Set
20215. - CHOICE Logical Channel list	20	20217. All
20218. - Semi-static Transport Format information	20	20220.
20221. - Transmission time interval	20	20223. Reference to TS34.108 clause 6.10 Parameter Set
20224. - Type of channel coding	20	20226. Reference to TS34.108

19686. Information Element	19	19688. Value/remark
		clause 6.10 Parameter Set
20227. - Coding Rate	20	20229. Reference to TS34.108 clause 6.10 Parameter Set
20230. - Rate matching attribute	20	20232. Reference to TS34.108 clause 6.10 Parameter Set
20233. - CRC size	20	20235. Reference to TS34.108 clause 6.10 Parameter Set
20236. - Uplink transport channel type	20	20238. DCH
20239. - UL Transport channel identity	20	20241. 1
20242. - TFS	20	20244.
20245. - CHOICE Transport channel type	20	20247. Dedicated transport channels
20248. - Dynamic Transport format information	20	20250.
20251. - RLC Size	20	20253. Reference to TS34.108 clause 6.10 Parameter Set
20254. - Number of TBs and TTI List	20	20256. (This IE is repeated for TFI number.)
20257. - Transmission Time Interval	20	20259. Not Present
20260. - Number of Transport blocks	20	20262. Reference to TS34.108 clause 6.10 Parameter Set
20263. - CHOICE Logical Channel list	20	20265. All
20266. - Semi-static Transport Format information	20	20268.
20269. - Transmission time interval	20	20271. Reference to TS34.108 clause 6.10 Parameter Set
20272. - Type of channel coding	20	20274. Reference to TS34.108 clause 6.10 Parameter Set
20275. - Coding Rate	20	20277. Reference to TS34.108 clause 6.10 Parameter Set
20278. - Rate matching attribute	20	20280. Reference to TS34.108 clause 6.10 Parameter Set
20281. - CRC size	20	20283. Reference to TS34.108 clause 6.10 Parameter Set
19686. Information Element	**19**	**19688. Value/remark**

19686. Information Element	19	19688. Value/remark
20284. Added or Reconfigured UL TrCH information	20	20286. (DCH for DTCH)
20287. - Uplink transport channel type	20	20289. DCH
20290. - UL Transport channel identity	20	20292. 1
20293. - TFS	20	20295.
20296. - CHOICE Transport channel type	20	20298. Dedicated transport channels
20299. - Dynamic Transport format information	20	20301.
20302. - RLC Size	20	20304. Reference to TS34.108 clause 6.10 Parameter Set
20305. - Number of TBs and TTI List	20	20307. (This IE is repeated for TFI number.)
20308. - Transmission Time Interval	20	20310. Not Present
20311. - Number of Transport blocks	20	20313. Reference to TS34.108 clause 6.10 Parameter Set
20314. - CHOICE Logical Channel list	20	20316. All
20317. - Semi-static Transport Format information	20	20319.
20320. - Transmission time interval	20	20322. Reference to TS34.108 clause 6.10 Parameter Set
20323. - Type of channel coding	20	20325. Reference to TS34.108 clause 6.10 Parameter Set
20326. - Coding Rate	20	20328. Reference to TS34.108 clause 6.10 Parameter Set
20329. - Rate matching attribute	20	20331. Reference to TS34.108 clause 6.10 Parameter Set
20332. - CRC size	20	20334. Reference to TS34.108 clause 6.10 Parameter Set
20335. CHOICE mode	20	20337. FDD
19686. Information Element	19	19688. Value/remark

19686. Information Element	19	19688. Value/remark
20338. - CPCH set ID	20	20340. Not Present
20341. - Added or Reconfigured TrCH information for DRAC list	20	20343. Not Present
20344. DL Transport channel information common for all transport channel	20	20346. Not Present
20347. DL Transport channel information common for all transport channel	20	20349.
20350. - SCCPCH TFCS	20	20352. Not Present
20353. - CHOICE mode	20	20355. FDD
20356. - CHOICE DL parameters	20	20358. Explicit
20359. - DL DCH TFCS	20	20361.
20362. - CHOICE TFCI Signalling	20	20364. Normal
20365. - TFCI Field 1 Information	20	20367.
20368. - CHOICE TFCS representation	20	20370. Complete reconfiguration
20371. - TFCS complete reconfigure	20	20373.
20374. - CHOICE CTFC Size	20	20376. Number of bits used must be enough to cover all

19686. **Information Element**	19	19688. **Value/remark**
		combinations of CTFC from clause TS34.108 clause 6.10.2.4 Parameter Set.
20377. - CTFC information	20	20379. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4
20380. - CTFC	20	20382. Reference to TS34.108 clause 6.10.2.4 Parameter Set
20383. - Power offset information	20	20385. Not Present
20386. Deleted DL TrCH information	20	20388. Not Present
20389. Added or Reconfigured DL TrCH information	20	20391. Not Present
20392. Added or Reconfigured DL TrCH information	20	20394. 2 TrCHs(DCH for DCCH and DCH for DTCH)

19686. Information Element	19	19688. Value/remark
20395. - Downlink transport channel type	20	20397. DCH
20398. - DL Transport channel identity	20	20400. 10
20401. - CHOICE DL parameters	20	20403. Same as UL
20404. - Uplink transport channel type	20	20406. DCH
20407. - UL TrCH identity	20	20409. 5
20410. - DCH quality target	20	20412.
20413. - BLER Quality value	20	20415. Not Present
20416. - Downlink transport channel type	20	20418. DCH
20419. - DL Transport channel identity	20	20421. 6
20422. - CHOICE DL parameters	20	20424. Explicit
20425. - TFS	20	20427.
20428. - CHOICE Transport channel type	20	20430. Dedicated transport channel
20431. - Dynamic transport format information	20	20433.
20434. - RLC Size	20	20436. Reference to TS34.108 clause 6.10 Parameter Set
20437. - Number of TBs and TTI List	20	20439. (This IE is repeated for TFI number.)
20440. - Dynamic transport format information	20	20442.
20443. - Transmission Time Interval	20	20445. Not Present
20446. - Number of Transport blocks	20	20448. Reference to TS34.108 clause 6.10 Parameter Set
20449. - Semi-static Transport Format information	20	20451.
20452. - Transmission time interval	20	20454. Reference to TS34.108 clause 6.10 Parameter Set
20455. - Type of channel coding	20	20457. Reference to TS34.108 clause 6.10 Parameter Set
20458. - Coding Rate	20	20460. Reference to TS34.108 clause 6.10 Parameter Set

19686. Information Element	19	19688. Value/remark
20461. - Rate matching attribute	20	20463. Reference to TS34.108 clause 6.10 Parameter Set
20464. - CRC size	20	20466. Reference to TS34.108 clause 6.10 Parameter Set
20467. - DCH quality target	20	20469.
20470. - BLER Quality value	20	20472. -2.0
20473. Added or Reconfigured DL TrCH information	20	20475.
20476. - Downlink transport channel type	20	20478. DCH
20479. - DL Transport channel identity	20	20481. 6
20482. - CHOICE DL parameters	20	20484. Explicit
20485. - TFS	20	20487.
20488. - CHOICE Transport channel type	20	20490. Dedicated transport channel
20491. - Dynamic transport format information	20	20493.
20494. - RLC Size	20	20496. Reference to TS34.108 clause 6.10 Parameter Set
20497. - Number of TBs and TTI List	20	20499. (This IE is repeated for TFI number.)
20500. - Dynamic transport format information	20	20502.
20503. - Transmission Time Interval	20	20505. Not Present
20506. - Number of Transport blocks	20	20508. Reference to TS34.108 clause 6.10 Parameter Set
20509. - Semi-static Transport Format information	20	20511.
20512. - Transmission time interval	20	20514. Reference to TS34.108 clause 6.10 Parameter Set
20515. - Type of channel coding	20	20517. Reference to TS34.108 clause 6.10 Parameter Set
20518. - Coding Rate	20	20520. Reference to TS34.108 clause 6.10 Parameter Set
20521. - Rate matching attribute	20	20523. Reference to TS34.108

19686. Information Element	19	19688. Value/remark
		clause 6.10 Parameter Set
20524.　　　- CRC size	20	20526. Reference to TS34.108 clause 6.10 Parameter Set
20527.　　- DCH quality target	20	20529.
20530.　　- BLER Quality value	20	20532. -2.0
20533. Frequency info	20	20535.
20536.　　- UARFCN uplink (Nu)	20	20538. Reference to clause 5.1 Test frequencies
20539.　　- UARFCN downlink (Nd)	20	20541. Reference to clause 5.1 Test frequencies
20542. Frequency info	20	20544. Not Present
20545. Maximum allowed UL TX power	20	20547. 33dBm
20548.　CHOICE channel requirement	20	20550. Uplink DPCH info

19686. Information Element	19	19688. Value/remark
-Uplink DPCH power control info		
20551. - DPCCH power offset	20	20553. -6dB
20554. - PC Preamble	20	20556. 1 frame
20557. - SRB delay	20	20559. 7 frames
20560. - Power Control Algorithm	20	20562. Algorithm1
20563. - TPC step size	20	20565. 1dB
20566. - Scrambling code type	20	20568. Long
20569. - Scrambling code number	20	20571. 0 (0 to 16777215)
20572. - Number of DPDCH	20	20574. Not Present(1)
20575. - spreading factor	20	20577. Reference to TS34.108 clause 6.10 Parameter Set
20578. - TFCI existence	20	20580. Reference to TS34.108 clause 6.10 Parameter Set
20581. - Number of FBI bit	20	20583. Reference to TS34.108 clause 6.10 Parameter Set
20584. - Puncturing Limit	20	20586. Reference to TS34.108 clause 6.10 Parameter Set
20587. CHOICE channel requirement	20	20589. Not Present
20590. CHOICE Mode	20	20592. FDD

19686.Information Element	19	19688.Value/remark
20593. - Downlink PDSCH information	20	20595.Not Present
20596.Downlink information common for all radio links	20	20598.Not Present
20599.Downlink information common for all radio links	20	20601.
20602. - Downlink DPCH info common for all RL	20	20604.
20605. - Timing indicator	20	20607.Maintain
20608. - CFN-targetSFN frame offset	20	20610.Not Present
20611. - Downlink DPCH power control information	20	20613.
20614. - DPC mode	20	20616.0 (single)
20617. - CHOICE mode	20	20619.FDD
20620. - Power offset $P_{Pilot\text{-}DPDCH}$	20	20622.0
20623. - DL rate matching restriction information	20	20625.Not Present
20626. - Spreading factor	20	20628.Reference to TS34.108 clause 6.10 Parameter Set

19686. Information Element	19	19688. Value/remark
20629. - Fixed or Flexible Position	20	20631. Reference to TS34.108 clause 6.10 Parameter Set
20632. - TFCI existence	20	20634. Reference to TS34.108 clause 6.10 Parameter Set
20635. - CHOICE SF	20	20637. Reference to TS34.108 clause 6.10 Parameter Set
20638. - DPCH compressed mode info	20	20640. Not Present
20641. - TX Diversity mode	20	20643. None
20644. - SSDT information	20	20646. Not Present
20647. - Default DPCH Offset Value	20	20649. Not Present
20650. Downlink information common for all radio links	20	20652.
20653. - Downlink DPCH info common for all RL	20	20655.
20656. - Timing indicator	20	20658. Initialise
20659. - CFN-targetSFN frame offset	20	20661. Not Present
20662. - Downlink DPCH power control information	20	20664.
20665. - DPC mode	20	20667. 0 (single)
20668. - CHOICE mode	20	20670. FDD
20671. - Power offset $P_{\text{Pilot-DPDCH}}$	20	20673. 0
20674. - DL rate matching restriction information	20	20676. Not Present
20677. - Spreading factor	20	20679. Reference to TS34.108 clause 6.10 Parameter Set
20680. - Fixed or Flexible Position	20	20682. Reference to TS34.108 clause 6.10 Parameter Set
20683. - TFCI existence	20	20685. Reference to TS34.108 clause 6.10 Parameter Set
20686. - CHOICE SF	20	20688. Reference to TS34.108 clause 6.10 Parameter Set
20689. - DPCH compressed mode info	20	20691. Not Present
20692. - TX Diversity mode	20	20694. None
20695. - SSDT information	20	20697. Not Present

19686. Information Element	19	19688. Value/remark
20698.　　- Default DPCH Offset Value	20	20700. Present Arbitrary set to value 0..306688 by step of 512
20701. Downlink information per radio link list	20	20703.
20704.　-Downlink information for each radio link	20	20706.
20707.　　- Choice mode	20	20709. FDD
20710.　　- Primary CPICH info	20	20712.
20713.　　 - Primary scrambling code	20	20715. Ref. to the Default setting in TS34.108 clause 6.1 (FDD)
20716.　　- PDSCH with SHO DCH info	20	20718. Not Present
20719.　　- PDSCH code mapping	20	20721. Not Present
20722.　　- Downlink DPCH info for each RL	20	20724.
20725.　　　- Primary CPICH usage for channel estimation	20	20727. Primary CPICH may be used
20728.　　　- DPCH frame offset	20	20730. Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400
20731.　　　- Secondary CPICH info	20	20733. Not Present
20734.　　　- Secondary scrambling code	20	20736.
20737.　　　- channelisation code	20	20739.
20740.　　　- DL channelisation code	20	20742.
20743.　　　- Secondary scrambling code	20	20745. 2
20746.　　　- Spreading factor	20	20748. Reference to TS34.108 clause 6.10 Parameter Set
20749.　　　- Code number	20	20751. 0
20752.　　　- Scrambling code change	20	20754. No change

19686. Information Element	19	19688. Value/remark
20755. - TPC combination index	20	20757. 0
20758. - SSDT Cell Identity	20	20760. Not Present
20761. - Closed loop timing adjustment mode	20	20763. Not Present
20764. - SCCPCH information for FACH	20	20766. Not Present
20767. Downlink information per radio link list	20	20769.
20770. -Downlink information for each radio link	20	20772.
20773. - Choice mode	20	20775. FDD
20776. - Primary CPICH info	20	20778.
20779. - Primary scrambling code	20	20781. Ref. to the Default setting in TS34.108 clause 6.1 (FDD)
20782. - PDSCH with SHO DCH info	20	20784. Not Present
20785. - PDSCH code mapping	20	20787. Not Present
20788. - Downlink DPCH info for each RL	20	20790.
20791. - Primary CPICH usage for channel estimation	20	20793. Primary CPICH may be used
20794. - DPCH frame offset	20	20796. Set to value : Default DPCH Offset Value mod 38400
20797. - Secondary CPICH info	20	20799. Not Present
20800. - Secondary scrambling code	20	20802.
20803. - channelisation code	20	20805.
20806. - DL channelisation code	20	20808.
20809. - Secondary scrambling code	20	20811. 2
20812. - Spreading factor	20	20814. Reference to TS34.108 clause 6.10 Parameter Set
20815. - Code number	20	20817. 0
20818. - Scrambling code change	20	20820. No change
20821. - TPC combination index	20	20823. 0
20824. - SSDT Cell Identity	20	20826. Not Present

19686. Information Element	**19**	**19688. Value/remark**
20827. - Closed loop timing adjustment mode	20	20829. Not Present
20830. - SCCPCH information for FACH	20	20832. Not Present
20833. - Downlink information for each radio link	20	20835.
20836. - Choice mode	20	20838. FDD
20839. - Primary CPICH info	20	20841.
20842. - Primary scrambling code	20	20844. Ref. to the Default setting in TS34.108 clause 6.1 (FDD)
20845. - PDSCH with SHO DCH info	20	20847. Not Present
20848. - PDSCH code mapping	20	20850. Not Present
20851. - Downlink DPCH info for each RL	20	20853. Not present
20854. - SCCPCH Information for FACH	20	20856. Not Present
20857. - Downlink information for each radio link	20	20859. Not Present

20860. Condition	**20861. Explanation**
20862. A1	20863. This IE need for "Non speech in CS"
20864. A2	20865. This IE need for "Speech in CS"
20866. A3	20867. This IE need for "Packet to CELL_DCH from CELL_DCH in PS"
20868. A4	20869. This IE need for "Packet to CELL_DCH from CELL_FACH in PS"
20870. A5	20871. This IE need for "Packet to CELL_FACH from CELL_DCH in PS"
20872. A6	20873. 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
20874. Message Type	20875.
20876. RRC transaction identitifer	20877. Checked to see if it is set to identical value of the same IE in the downlink RADIO BEARER RECONFIGURATION message.

20878. Integrity check info	20879.
20880. - Message authentication code	20881. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
20882. - RRC Message sequence number	20883. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
20884. Failure cause	20885. Checked to see if it meets test requirement
20886. Radio bearers for which reconfiguration would have succeeded List	20887. Not checked

Contents of RADIO BEARER RECONFIGURATION COMPLETE message: AM

20888. Information Element	20889. Value/remark
20890. Message Type	20891.
20892. RRC transaction identifier	20893. Checked to see if the value is identical to the same IE in the downlink RADIO BEARER RECONFIGURATION COMPLETE message
20894. Integrity check info	20895.
20896. - Message authentication code	20897. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
	20898. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
20899. - RRC Message sequence number	20900. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
20901. Uplink integrity protection activation info	20902. Not checked
20903. CHOICE mode	20904. FDD
20905. COUNT-C activation time	20906. Not checked
20907. Radio bearer uplink ciphering activation time info	20908. Not checked
20909. Uplink counter synchronisation info	20910. Not checked

Contents of RADIO BEARER RELEASE message: AM or UM

20911. Information Element	20	20913. Value/remark

20911. Information Element	20	20913. Value/remark
20914. Message Type	20	20916.
20917. RRC transaction identifier	20	20919. Arbitrarily selects an integer between 0 and 3
20920. Integrity check info	20	20922.
20923. - message authentication code	20	20925. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
20926. - RRC message sequence number	20	20928. SS provides the value of this IE, from its internal counter.
20929. Integrity protection mode info	20	20931. Not Present
20932. Ciphering mode info	20	20934. Not Present
20935. Activation time	20	20937. (256+CFN-(CFN MOD 8 + 8))MOD 256

20911.Information Element	20	20913.Value/remark
20938.Activation time	20	20940.Not Present
20941.New U-RNTI	20	20943.Not Present
20944.New C-RNTI	20	20946.Not Present
20947.New C-RNTI	20	20949.'1010 1010 1010 1010'
20950.New DSCH-RNTI	20	20952.Not Present

20911.Information Element	20	20913.Value/remark
20953.RRC State indicator	20	20955.CELL_DCH
20956.RRC State indicator	20	20958.CELL_FACH
20959.UTRAN DRX cycle length coefficient	20	20961.Not Present

20911. Information Element	20	20913. Value/remark
20962. CN information info	20	20964. Not Present
20965. Signalling Connection release indication	20	20967. Not Present
20968. URA identity	20	20970. Not Present
20971. RAB information to reconfigure list	20	20973. Not Present
20974. RB information to release	20	20976.
20977. - RB identity	20	20979. 10
20980. RB information to release	20	20982.
20983. - RB identity	20	20985. 11
20986. RB information to release	20	20988.
20989. - RB identity	20	20991. 12
20992. RB information to release	20	20994.

20911. Information Element	20	20913. Value/remark
20995. - RB identity	20	20997. 20
20998. RB information to be affected	20	21000. Not Present
21001. Downlink counter synchronisation info	21	21003. Not Present

20911.Information Element	20	20913.Value/remark
21004.UL Transport channel information for all transport channels	21	21006.TFCS reconfigured to fit the new transport channel configuration.
21007.UL Transport channel information for all transport channels	21	21009.Not Present
21010.Deleted UL TrCH Information	21	21012.
21013. - Uplink transport channel type	21	21015.DCH
21016. - Transport channel identity	21	21018.1
21019.Deleted UL TrCH Information	21	21021.
20911.Information Element	20	20913.Value/remark

20911. Information Element	20	20913. Value/remark
21022. - Uplink transport channel type	21	21024. DCH
21025. - Transport channel identity	21	21027. 2
21028. Deleted UL TrCH Information	21	21030.
21031. - Uplink transport channel type	21	21033. DCH
21034. - Transport channel identity	21	21036. 3
21037. Deleted UL TrCH Information	21	21039. Not Present
21040. Added or Reconfigured UL TrCH information	21	21042. Not Present
21043. dded or Reconfigured UL TrCH information	21	21045. TrCHs(DCH for DCCH)
21046. - Uplink transport channel type	21	21048. CH
21049. - UL Transport channel identity	21	21051.
21052. - TFS	21	21054.

20911. Information Element	20	20913. Value/remark
21055. - CHOICE Transport channel type	21	21057. edicated transport channels
21058. - Dynamic Transport format information	21	21060.
21061. - RLC Size	21	21063. ccording to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
21064. - Number of TBs and TTI List	21	21066. This IE is repeated for TFI number.)
21067. - Transmission Time Interval	21	21069. ccording to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
21070. - Number of Transport blocks	21	21072. ccording to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
21073. - CHOICE Logical Channel list	21	21075. ll
21076. - Semi-static Transport Format information	21	21078.
21079. - Transmission time interval	21	21081. ccording to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
21082. - Type of channel coding	21	21084. ccording to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
21085. - Coding Rate	21	21087. ccording to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
21088. - Rate matching attribute	21	21090. ccording to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
21091. - CRC size	21	21093. ccording to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
21094. DL Transport channel information for all transport channels	21	21096. TFCS reconfigured to fit the new transport channel configuration.

20911. Information Element	20	20913. Value/remark
21097. DL Transport channel information for all transport channels	21	21099. Not Present
21100. Deleted DL TrCH Information	21	21102.
21103. - Downlink transport channel type	21	21105. DCH
21106. - Transport channel identity	21	21108. 6
21109. Deleted DL TrCH Information	21	21111.
20911. Information Element	20	20913. Value/remark

20911. Information Element	20	20913. Value/remark
21112.　　　- Downlink transport channel type	21	21114. DCH
21115.　　　- Transport channel identity	21	21117. 7
21118. Deleted DL TrCH Information	21	21120.
21121.　　　- Downlink transport channel type	21	21123. DCH
21124.　　　- Transport channel identity	21	21126. 8
21127. Deleted DL TrCH Information	21	21129. Not Present
21130. Added or Reconfigured DL TrCH information	21	21132. Not Present
21133.　　dded or Reconfigured DL TrCH information	21	21135.　　TrCHs(DCH for DCCH)
21136.　　　- Downlink transport channel type	21	21138.　　CH
21139.　　　- DL Transport channel identity	21	21141.　　0
21142.	21	21144.

20911.Information Element	20	20913.Value/remark
- CHOICE DL parameters		ame as UL
21145. - Uplink transport channel type	21	21147. CH
21148. - UL TrCH identity	21	21150.
21151. - DCH quality target	21	21153.
21154. - BLER Quality value	21	21156. ot Present
21157.Frequency info	21	21159.
21160. - UARFCN uplink (Nu)	21	21162.Reference to clause 5.1 Test frequencies
21163. - UARFCN downlink (Nd)	21	21165.Reference to clause 5.1 Test frequencies
21166.Maximum allowed UL TX power	21	21168.33dBm
21169.Frequency info	21	21171.Not Present
21172.CHOICE *channel requirement*	21	21174.Not Present
	20	

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20911. Information Element	20	20913. Value/remark
21175. CHOICE channel requirement	21	21177. Uplink DPCH info
21178. - Uplink DPCH power control info	21	21180.
21181. - DPCCH power offset	21	21183. -6dB
21184. - PC Preamble	21	21186. 1 frame
21187. - SRB delay	21	21189. 7 frames
21190. - Power Control Algorithm	21	21192. Algorithm1
21193. - TPC step size	21	21195. 1dB
21196. - Scrambling code type	21	21198. Long
21199. - Scrambling code number	21	21201. 0 (0 to 16777215)
21202. - Number of DPDCH	21	21204. Not Present(1)
21205. - spreading factor	21	21207. Reference to TS34.108 clause 6.10 Parameter Set
21208. - TFCI existence	21	21210. Reference to TS34.108 clause 6.10 Parameter Set
21211. - Number of FBI bit	21	21213. Reference to TS34.108 clause 6.10 Parameter Set
21214. - Puncturing Limit	21	21216. Reference to TS34.108 clause 6.10 Parameter Set
21217. CHOICE Mode	21	21219. FDD
20911. Information Element	20	20913. Value/remark

20911. Information Element	20	20913. Value/remark
21220. - Downlink PDSCH information	21	21222. Not Present
21223. Downlink information common for all radio links	21	21225. Not Present
21226. Downlink information common for all radio links	21	21228.
21229. - Downlink DPCH info common for all RL	21	21231.
21232. - Timing indicator	21	21234. Maintain
21235. - CFN-targetSFN frame offset	21	21237. Not Present
21238. - Downlink DPCH power control information	21	21240.
21241. - DPC mode	21	21243. 0 (single)
21244. - CHOICE mode	21	21246. FDD
21247. - Power offset $P_{\text{Pilot-DPDCH}}$	21	21249. 0
21250. - DL rate matching restriction information	21	21252. Not Present
21253. - Spreading factor	21	21255. Reference to TS34.108 clause 6.10 Parameter Set
21256. - Fixed or Flexible Position	21	21258. Reference to TS34.108 clause 6.10 Parameter Set
21259. - TFCI existence	21	21261. Reference to TS34.108

20911. Information Element	20	20913. Value/remark
		clause 6.10 Parameter Set
21262. - CHOICE SF	21	21264. Reference to TS34.108 clause 6.10 Parameter Set
21265. - DPCH compressed mode info	21	21267. Not Present
21268. - TX Diversity mode	21	21270. None
21271. - SSDT information	21	21273. Not Present
21274. - Default DPCH Offset Value	21	21276. Not Present
21277. ownlink information common for all radio links	21	21279.
21280. - Downlink DPCH info common for all RL	21	21282.
21283. - Timing indicator	21	21285. nitialise
21286. - CFN-targetSFN frame offset	21	21288. ot Present
21289. - Downlink DPCH power control information	21	21291.
21292. - DPC mode	21	21294. (single)
21295. - CHOICE mode	21	21297. DD
21298. - Power offset $P_{Pilot\text{-}DPDCH}$	21	21300.
21301. - DL rate matching restriction information	21	21303. ot Present
21304. - Spreading factor	21	21306. eference to TS34.108 clause 6.10 Parameter Set
21307. - Fixed or Flexible Position	21	21309. eference to TS34.108 clause 6.10 Parameter Set
21310. - TFCI existence	21	21312. eference to TS34.108 clause 6.10 Parameter Set
21313. - CHOICE SF	21	21315. eference to TS34.108 clause 6.10 Parameter Set
21316. - DPCH compressed mode info	21	21318. ot Present

20911. Information Element	20	20913. Value/remark
21319. - TX Diversity mode	21	21321. one
21322. - SSDT information	21	21324. ot Present
21325. - Default DPCH Offset Value	21	21327. rbitrary set to value 0..306688 by step of 512
21328. Downlink information for each radio link list	21	21330.
21331. -Downlink information for each radio link	21	21333.
21334. - Choice mode	21	21336. FDD
21337. - Primary CPICH info	21	21339.
21340. - Primary scrambling code	21	21342. Ref. to the Default setting in TS34.108 clause 6.1 (FDD)
21343. - PDSCH with SHO DCH info	21	21345. Not Present
21346. - PDSCH code mapping	21	21348. Not Present
21349. - Downlink DPCH info for each RL	21	21351.
21352. - Primary CPICH usage for channel estimation	21	21354. Primary CPICH may be used
21355. - DPCH frame offset	21	21357. Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400
21358. - Secondary CPICH info	21	21360. Not Present
21361. - Secondary scrambling code	21	21363.
21364. - channelisation code	21	21366.
21367. - DL channelisation code	21	21369.
21370. - Secondary scrambling code	21	21372. 3
21373. - Spreading factor	21	21375. Reference to TS34.108 clause 6.10 Parameter Set
21376. - Code number	21	21378. 0
21379. - Scrambling code change	21	21381. No change
21382. - TPC combination index	21	21384. 0
21385. - SSDT Cell Identity	21	21387. Not Present

20911.Information Element	20	20913.Value/remark
21388. - Closed loop timing adjustment mode	21	21390. Not Present
21391. - SCCPCH information for FACH	21	21393. Not Present
21394. ownlink information for each radio link list	21	21396.
21397. -Downlink information for each radio link	21	21399.
21400. - Choice mode	21	21402. DD
21403. - Primary CPICH info	21	21405.
21406. - Primary scrambling code	21	21408. ef. to the Default setting in TS34.108 clause 6.1 (FDD)
21409. - PDSCH with SHO DCH info	21	21411. ot Present
21412. - PDSCH code mapping	21	21414. ot Present
21415. - Downlink DPCH info for each RL	21	21417.
21418. - Primary CPICH usage for channel estimation	21	21420. rimary CPICH may be used
21421. - DPCH frame offset	21	21423. et to value : Default DPCH Offset Value mod 38400
21424. - Secondary CPICH info	21	21426. ot Present
21427. - Secondary scrambling code	21	21429.
21430. - channelisation code	21	21432.
21433. - DL channelisation code	21	21435.
21436. - Secondary scrambling code	21	21438.
21439. - Spreading factor	21	21441. eference to TS34.108 clause 6.10 Parameter Set
21442. - Code number	21	21444.

20911. Information Element	20	20913. Value/remark

21445.
    - Scrambling code change
	21	21447.
		    o change

21448. - TPC combination index	21	21450.

21451.
    - SSDT Cell Identity
	21	21453.
		    ot Present

21454.
    - Closed loop timing adjustment mode
	21	21456.
		    ot Present

21457.
    - SCCPCH information for FACH
	21	21459.
		    ot Present

21460. - Downlink information for each radio link	21	21462.
21463. - Choice mode	21	21465. FDD
21466. - Primary CPICH info	21	21468.
21469. - Primary scrambling code	21	21471. Ref. to the Default setting in TS34.108 clause 6.1 (FDD)
21472. - PDSCH with SHO DCH info	21	21474. Not Present
21475. - PDSCH code mapping	21	21477. Not Present
21478. - Downlink DPCH info for each RL	21	21480. Not present
21481. - SCCPCH information for FACH	21	21483. Not Present
21484. - Downlink information for each radio link	21	21486. Not Present

21487. Con dition	21488. Explanation
21489. A1	21490. This IE need for "Non speech in CS"
21491. A2	21492. This IE need for "Speech in CS"
21493. A3	21494. This IE need for "Packet to CELL_DCH from CELL_DCH in PS"
21495. A4	21496. This IE need for "Packet to CELL_DCH from CELL_FACH in PS"
21497. A5	21498. This IE need for "Packet to CELL_FACH from CELL_DCH in PS"
21499. A6	21500. This IE need for "Packet to CELL_FACH from CELL_FACH in PS"
21501. A7	21502. This IE need for "Non speech to CELL_FACH from CELL_DCH in CS"

21503. A8	21504. This IE need for "Speech to CELL_FACH from CELL_DCH in CS"

Contents of RADIO BEARER RELEASE COMPLETE message: AM

21505. Message Type	21506.
21507. RRC transaction identifier	21508. Checked to see the value is identical to the same IE in the downlink RADIO BEARER RELEASE message.
21509. Integrity check info	21510.
21511. - Message authentication code	21512. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
21513. - RRC Message sequence number	21514. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
21515. Uplink integrity protection activation info	21516. Not checked.
21517. CHOICE mode	21518. FDD
21519. COUNT-C activation time	21520. Not checked
21521. Radio bearer uplink ciphering activation time info	21522. Not checked
21523. Uplink counter synchronisation info	21524. Not checked
21525.	21526.

Contents of RADIO BEARER RELEASE FAILURE message: AM

Information Element	Value/remark
21527. Message Type	21528.
21529. RRC transaction identitifer	21530. Checked to see if it is set to identical value of the same IE in the downlink RADIO BEARER RELEASE message.
21531. Integrity check info	21532.
21533. - Message authentication code	21534. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
21535. - RRC Message sequence number	21536. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
21537. Failure cause	21538. Checked to see if it meets test requirement

21539. Radio bearers for which reconfiguration would have succeeded	21540. Not checked

Contents of RRC CONNECTION REQUEST message: TM

21541. Information Element	21542. Value/remark
21543. Message Type	21544.
21545. Initial UE identity	21546.
21547. - CHOICE UE id type	21548.
21549. - TMSI and LAI (GSM-MAP)	21550. Set to the UE's TMSI and LAI.
21551. Establishment cause	21552. To be checked against requirement if specified
21553. Protocol error indicator	21554. FALSE
21555. UE Specific Behaviour Information 1 idle	21556. This IE will not be checked by default behaviour, but in specific test case.
21557. Measured results on RACH	21558. To be checked against requirement if specified

Contents of RRC CONNECTION REJECT message: UM

21559. Information Element	21560. Value/remark
21561. Message Type	21562.
21563. RRC transaction identifier	21564. Arbitrarily selects an integer between 0 and 3
21565. Initial UE identity	21566. Select the same type as in the IE "Initial UE Identity" in RRC CONNECTION REQUEST" message.
21567. Rejection cause	21568. Unspecified
21569. Wait Time	21570. 0
21571. Redirection info	21572. Not Present

Contents of RRC CONNECTION RELEASE message: UM

21573. Information Element	21574. Value/remark
21575. Message Type	21576.
21577. U-RNTI	21578. This IE is set to the following value when the message is transmitted on the CCCH. When transmitted on DCCH, this is absent.
21579. - SRNC identity	21580. 0000 0000 0001B
21581. - S-RNTI	21582. 0000 0000 0000 0000 0001B

21583. RRC transaction identifier	21584. Arbitrarily selects an integer between 0 and 3
21585. Integrity check info	21586. This IE is present when this message is transmitted on downlink DCCH. Else, this IE and the sub-IEs are omitted.
21587. - Message authentication code	21588. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
21589. - RRC Message sequence number	21590. SS provides the value of this IE, from its internal counter.
21591. N308	21592. 2 (for CELL_DCH state). Not Present (for UE in other connected mode states).
21593. Release cause	21594. Normal event
21595. Rplmn information	21596. Not Present

Contents of RRC CONNECTION RELEASE COMPLETE message: AM or UM

Information Element	Semantics description
21597. Message Type	21598.
21599. RRC transaction identifier	21600. 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.
21601. Integrity check info	21602.
21603. - Message authentication code	21604. Checked to see if it's identical to the value of XMAC-I calculated by the SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
21605. - RRC Message sequence number	21606. Checked to see if it is present. This number is used by the SS to compute the XMAC-I
21607. Error indication	21608. Not checked

Contents of RRC CONNECTION SETUP message: UM (Transition to CELL_DCH)

21609. Information Element	21610. Value/remark
21611. Message Type	21612.
21613. Initial UE identity	21614. Select the same identity as in the IE "Initial UE Identity" in received RRC CONNECTION REQUEST" message
21615. RRC transaction identifier	21616. Arbitrarily selects an integer between 0 and 3
21617. Activation time	21618. Not Present(Now)

21609. Information Element	21610. Value/remark
21619. New U-RNTI	21620.
21621. - SRNC identity	21622. 0000 0000 0001B
21623. - S-RNTI	21624. 0000 0000 0000 0000 0001B
21625. New C-RNTI	21626. Not present
21627. RRC State Indicator	21628. CELL_DCH
21629. UTRAN DRX cycle length coefficient	21630. 9
21631. Capability update requirement	21632.
21633. - UE radio access FDD capability update requirement	21634. TRUE
21635. - UE radio access TDD capability update requirement	21636. FALSE
21637. - System specific capability update requirement list	21638. Gsm
21639. Signalling RB information to setup	21640. (UM DCCH for RRC)
21641. - RB identity	21642. Not Present
21643. - CHOICE RLC info type	21644.
21645. - RLC info	21646.
21647. - CHOICE Uplink RLC mode	21648. UM RLC
21649. - Transmission RLC discard	21650. Not Present
21651. - CHOICE Downlink RLC mode	21652. UM RLC
21653. - RB mapping info	21654.
21655. - Information for each multiplexing option	21656. 2 RBMuxOptions
21657. - RLC logical channel mapping indicator	21658. Not Present
21659. - Number of RLC logical channels	21660. 1
21661. - Uplink transport channel type	21662. DCH
21663. - UL Transport channel identity	21664. 5
21665. - Logical channel identity	21666. 1
21667. - CHOICE RLC size list	21668. Configured
21669. - MAC logical channel priority	21670. 1
21671. - Downlink RLC logical channel info	21672.
21673. - Number of RLC logical channels	21674. 1

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21609. Information Element	21610. Value/remark
21675. - Downlink transport channel type	21676. DCH
21677. - DL DCH Transport channel identity	21678. 10
21679. - DL DSCH Transport channel identity	21680. Not Present
21681. - Logical channel identity	21682. 1
21683. - RLC logical channel mapping indicator	21684. Not Present
21685. - Number of RLC logical channels	21686. 1
21687. - Uplink transport channel type	21688. RACH
21689. - UL Transport channel identity	21690. Not Present
21691. - Logical channel identity	21692. 1
21693. - CHOICE RLC size list	21694. Explicit List
21695. - RLC size index	21696. According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
21697. - MAC logical channel priority	21698. 1
21699. - Downlink RLC logical channel info	21700.
21701. - Number of RLC logical channels	21702. 1
21703. - Downlink transport channel type	21704. FACH
21705. - DL DCH Transport channel identity	21706. Not Present
21707. - DL DSCH Transport channel identity	21708. Not Present
21709. - Logical channel identity	21710. 1
21711. Signalling RB information to setup	21712. (AM DCCH for RRC)
21713. - RB identity	21714. Not Present
21715. - CHOICE RLC info type	21716.
21717. - RLC info	21718.
21719. - CHOICE Uplink RLC mode	21720. AM RLC
21721. - Transmission RLC discard	21722.
21723. - SDU discard mode	21724. No discard
21725. - MAX_DAT	21726. 15
21727. - Transmission window size	21728. 32

21609. Information Element	21610. Value/remark
21729. - Timer_RST	21730. 500
21731. - Max_RST	21732. 1
21733. - Polling info	21734.
21735. - Timer_poll_prohibit	21736. 200
21737. - Timer_poll	21738. 200
21739. - Poll_PDU	21740. Not Present
21741. - Poll_SDU	21742. 1
21743. - Last transmission PDU poll	21744. TRUE
21745. - Last retransmission PDU poll	21746. TRUE
21747. - Poll_Window	21748. 99
21749. - Timer_poll_periodic	21750. Not Present
21751. - CHOICE Downlink RLC mode	21752. AM RLC
21753. - In-sequence delivery	21754. TRUE
21755. - Receiving window size	21756. 32
21757. - Downlink RLC status info	21758.
21759. - Timer_status_prohibit	21760. 200
21761. - Timer_EPC	21762. Not Present
21763. - Missing PDU indicator	21764. TRUE
21765. - Timer_STATUS_periodic	21766. Not Present
21767. - RB mapping info	21768.
21769. - Information for each multiplexing option	21770. 2 RBMuxOptions
21771. - RLC logical channel mapping indicator	21772. Not Present
21773. - Number of RLC logical channels	21774. 1
21775. - Uplink transport channel type	21776. DCH
21777. - UL Transport channel identity	21778. 5
21779. - Logical channel identity	21780. 2
21781. - CHOICE RLC size list	21782. Configure
21783. - MAC logical channel priority	21784. 2
21785. - Downlink RLC logical channel info	21786.
21787. - Number of RLC logical channels	21788. 1

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21609. Information Element	21610. Value/remark
21789. - Downlink transport channel type	21790. DCH
21791. - DL DCH Transport channel identity	21792. 10
21793. - DL DSCH Transport channel identity	21794. Not Present
21795. - Logical channel identity	21796. 2
21797. - RLC logical channel mapping indicator	21798. Not Present
21799. - Number of RLC logical channels	21800. 1
21801. - Uplink transport channel type	21802. RACH
21803. - UL Transport channel identity	21804. Not Present
21805. - Logical channel identity	21806. 2
21807. - CHOICE RLC size list	21808. Explicit List
21809. - RLC size index	21810. According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
21811. - MAC logical channel priority	21812. 2
21813. - Downlink RLC logical channel info	21814.
21815. - Number of RLC logical channels	21816. 1
21817. - Downlink transport channel type	21818. FACH
21819. - DL DCH Transport channel identity	21820. Not Present
21821. - DL DSCH Transport channel identity	21822. Not Present
21823. - Logical channel identity	21824. 2
21825. Signalling RB information to setup	21826. (AM DCCH for NAS_DT High priority)
21827. - RB identity	21828. Not Present
21829. - CHOICE RLC info type	21830.
21831. - RLC info	21832.
21833. - CHOICE Uplink RLC mode	21834. AM RLC
21835. - Transmission RLC discard	21836.
21837. - SDU discard mode	21838. No discard
21839. - MAX_DAT	21840. 15
21841. - Transmission window size	21842. 32

21609. Information Element	21610. Value/remark
21843. - Timer_RST	21844. 500
21845. - Max_RST	21846. 1
21847. - Polling info	21848.
21849. - Timer_poll_prohibit	21850. 200
21851. - Timer_poll	21852. 200
21853. - Poll_PDU	21854. Not present
21855. - Poll_SDU	21856. 1
21857. - Last transmission PDU poll	21858. TRUE
21859. - Last retransmission PDU poll	21860. TRUE
21861. - Poll_Window	21862. 99
21863. - Timer_poll_periodic	21864. Not Present
21865. - CHOICE Downlink RLC mode	21866. AM RLC
21867. - In-sequence delivery	21868. TRUE
21869. - Receiving window size	21870. 32
21871. - Downlink RLC status info	21872.
21873. - Timer_status_prohibit	21874. 200
21875. - Timer_EPC	21876. Not present
21877. - Missing PDU indicator	21878. TRUE
21879. - Timer_STATUS_periodic	21880. Not Present
21881. - RB mapping info	21882.
21883. - Information for each multiplexing option	21884. 2 RBMuxOptions
21885. - RLC logical channel mapping indicator	21886. Not Present
21887. - Number of RLC logical channels	21888. 1
21889. - Uplink transport channel type	21890. DCH
21891. - UL Transport channel identity	21892. 5
21893. - Logical channel identity	21894. 3
21895. - CHOICE RLC size list	21896. Configured
21897. - MAC logical channel priority	21898. 3
21899. - Downlink RLC logical channel info	21900.
21901. - Number of RLC logical channels	21902. 1

21609. Information Element	21610. Value/remark
21903. - Downlink transport channel type	21904. DCH
21905. - DL DCH Transport channel identity	21906. 10
21907. - DL DSCH Transport channel identity	21908. Not Present
21909. - Logical channel identity	21910. 3
21911. - RLC logical channel mapping indicator	21912. Not Present
21913. - Number of RLC logical channels	21914. 1
21915. - Uplink transport channel type	21916. RACH
21917. - UL Transport channel identity	21918. Not Present
21919. - Logical channel identity	21920. 3
21921. - CHOICE RLC size list	21922. Explicit List
21923. - RLC size index	21924. According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
21925. - MAC logical channel priority	21926. 3
21927. - Downlink RLC logical channel info	21928.
21929. - Number of RLC logical channels	21930. 1
21931. - Downlink transport channel type	21932. FACH
21933. - DL DCH Transport channel identity	21934. Not Present
21935. - DL DSCH Transport channel identity	21936. Not Present
21937. - Logical channel identity	21938. 3
21939. Signalling RB information to setup	21940. (AM DCCH for NAS_DT Low priority)
21941. - RB identity	21942. Not Present
21943. - CHOICE RLC info type	21944.
21945. - RLC info	21946.
21947. - CHOICE Uplink RLC mode	21948. AM RLC
21949. - Transmission RLC discard	21950.
21951. - SDU discard mode	21952. No discard
21953. - MAX_DAT	21954. 15
21955. - Transmission window size	21956. 32

21609. Information Element	21610. Value/remark
21957. - Timer_RST	21958. 500
21959. - Max_RST	21960. 1
21961. - Polling info	21962.
21963. - Timer_poll_prohibit	21964. 200
21965. - Timer_poll	21966. 200
21967. - Poll_PDU	21968. Not present
21969. - Poll_SDU	21970. 1
21971. - Last transmission PDU poll	21972. TRUE
21973. - Last retransmission PDU poll	21974. TRUE
21975. - Poll_Window	21976. 99
21977. - Timer_poll_periodic	21978. Not Present
21979. - CHOICE Downlink RLC mode	21980. AM RLC
21981. - In-sequence delivery	21982. TRUE
21983. - Receiving window size	21984. 32
21985. - Downlink RLC status info	21986.
21987. - Timer_status_prohibit	21988. 200
21989. - Timer_EPC	21990. Not Present
21991. - Missing PDU indicator	21992. TRUE
21993. - Timer_STATUS_periodic	21994. Not Present
21995. - RB mapping info	21996.
21997. - Information for each multiplexing option	21998. 2 RBMuxOptions
21999. - RLC logical channel mapping indicator	22000. Not Present
22001. - Number of RLC logical channels	22002. 1
22003. - Uplink transport channel type	22004. DCH
22005. - UL Transport channel identity	22006. 5
22007. - Logical channel identity	22008. 4
22009. - CHOICE RLC size list	22010. Configured
22011. - MAC logical channel priority	22012. 4
22013. - Downlink RLC logical channel info	22014.
22015. - Number of RLC logical channels	22016. 1

21609. Information Element	21610. Value/remark
22017. - Downlink transport channel type	22018. DCH
22019. - DL DCH Transport channel identity	22020. 10
22021. - DL DSCH Transport channel identity	22022. Not Present
22023. - Logical channel identity	22024. 4
22025. - RLC logical channel mapping indicator	22026. Not Present
22027. - Number of RLC logical channels	22028. 1
22029. - Uplink transport channel type	22030. RACH
22031. - UL Transport channel identity	22032. Not Present
22033. - Logical channel identity	22034. 4
22035. - CHOICE RLC size list	22036. Explicit List
22037. - RLC size index	22038. According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
22039. - MAC logical channel priority	22040. 4
22041. - Downlink RLC logical channel info	22042.
22043. - Number of RLC logical channels	22044. 1
22045. - Downlink transport channel type	22046. FACH
22047. - DL DCH Transport channel identity	22048. Not Present
22049. - DL DSCH Transport channel identity	22050. Not Present
22051. - Logical channel identity	22052. 4
22053. UL Transport channel information for all transport channels	22054.
22055. - PRACH TFCS	22056. Not Present
22057. - CHOICE Mode	22058. FDD
22059. - TFC subset	22060. Nor Present
22061. - UL DCH TFCS	22062.
22063. - CHOICE TFCI signalling	22064. Normal
22065. - TFCI Field 1 information	22066.
22067. - CHOICE TFCS representation	22068. Addition

21609. Information Element	21610. Value/remark
22069. - TFCS complete reconfigure	22070.
22071. - CHOICE CTFC Size	22072. 2bit CTFC
22073. - CTFC information	22074. This IE is repeated for TFC numbers according to TS 34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
22075. - CTFC	22076. According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
22077. - Power offset information	22078.
22079. - CHOICE Gain Factors	22080. Computed Gain Factors(The last TFC is set to Signalled Gain Factors)
22081. - Gain factor ßc	22082. 11 (below 64 kbps)
	22083. 9 (higher than 64 kbps)
	22084. (Not Present if the above is set to Computed Gain Factors)
22085. - Gain factor ßd	22086. 15
	22087. (Not Present if the above is set to Computed Gain Factors)
22088. - Reference TFC ID	22089. 0
22090. - CHOICE mode	22091. FDD
22092. - Power offset Pp-m	22093. Not Present
22094. Added or Reconfigured UL TrCH information	22095.
22096. - Uplink transport channel type	22097. DCH
22098. - UL Transport channel identity	22099. 5
22100. - TFS	22101.
22102. - CHOICE Transport channel type	22103. Dedicated transport channels
22104. - Dynamic Transport format information	22105.
22106. - RLC size	22107. According to TS 34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
22108. - Number of TBs and TTI lists	22109. (This IE is repeated for TFI number)
22110. - Transmission Time Interval	22111. According to TS 34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
22112. - Number of Transport blocks	22113. According to TS 34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)

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21609. Information Element	21610. Value/remark
22114. - CHOICE Logical channel list	22115. All
22116. - Semi-static Transport Format information	22117.
22118. - Transmission time interval	22119. According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
22120. - Type of channel coding	22121. According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
22122. - Coding Rate	22123. According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
22124. - Rate matching attribute	22125. According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
22126. - CRC size	22127. According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
22128. DL Transport channel information common for all transport channel	22129.
22130. - SCCPCH TFCS	22131. Not Present
22132. - CHOICE mode	22133. FDD
22134. - CHOICE DL parameters	22135. Same as UL
22136. Added or Reconfigured DL TrCH information	22137.
22138. - Downlink transport channel type	22139. DCH
22140. - DL Transport channel identity	22141. 10
22142. - CHOICE DL parameters	22143. Same as UL
22144. - Uplink transport channel type	22145. DCH
22146. - UL TrCH Identity	22147. 5
22148. - DCH quality target	22149.
22150. - BLER Quality value	22151. -2.0
22152. Frequency info	22153. Not Present
22154. Maximum allowed UL TX power	22155. Not Present
22156. Uplink DPCH info	22157.
22158. - Uplink DPCH power control info	22159.
22160. - DPCCH power offset	22161. -6dB
22162. - PC Preamble	22163. 1 frame

21609. Information Element	21610. Value/remark
22164. - SRB delay	22165. 7 frames
22166. - Power Control Algorithm	22167. Algorithm1
22168. - TPC step size	22169. 1dB
22170. - Scrambling code type	22171. Long
22172. - Scrambling code number	22173. 0 (0 to 16777215)
22174. - Number of DPDCH	22175. Not Present(1)
22176. - Spreading factor	22177. According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
22178. - TFCI existence	22179. According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
22180. - Number of FBI bit	22181. According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
22182. - Puncturing Limit	22183. According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
22184. Downlink information common for all radio links	22185.
22186. - Downlink DPCH info common for all RL	22187.
22188. - Timing Indication	22189. Initialise
22190. - CFN-targetSFN frame offset	22191. Not Present
22192. - CHOICE mode	22193. FDD
22194. - Downlink DPCH power control information	22195.
22196. - DPC mode	22197. 0 (single)
22198. - Power offset P $_{Pilot\text{-}DPDCH}$	22199. 0
22200. - DL rate matching restriction information	22201. Not Present
22202. - Spreading factor	22203. According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
22204. - Fixed or Flexible Position	22205. According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
22206. - TFCI existence	22207. According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
22208. - CHOICE SF	22209. According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling

21609. Information Element	21610. Value/remark
	radio bearer)
22210. - DPCH compressed mode info	22211. Not Present
22212. - TX Diversity mode	22213. None
22214. - SSDT information	22215. Not Present
22216. - Default DPCH Offset Value	22217. Arbitrary set to value 0..306688 by step of 512
22218. Downlink information for each radio links list	22219.
22220. - Downlink information for each radio links	22221.
22222. - CHOICE mode	22223. FDD
22224. - Primary CPICH info	22225.
22226. - Primary scrambling code	22227. Reference to clause 6.1 "Default settings (FDD)"
22228. - PDSCH with SHO DCH info	22229. Not Present
22230. - PDSCH code mapping	22231. Not Present
22232. - Downlink DPCH info for each RL	22233.
22234. - Primary CPICH usage for channel estimation	22235. Primary CPICH may be used
22236. - DPCH frame offset	22237. Set to value: Default DPCH Offset Value mod 38400
22238. - Secondary CPICH info	22239. Not Present
22240. - DL channelisation code	22241.
22242. - Secondary scrambling code	22243. 1
22244. - Spreading factor	22245. According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
22246. - Code number	22247. 0
22248. - Scrambling code change	22249. Not Present
22250. - TPC combination index	22251. 0
22252. - SSDT Cell Identity	22253. Not Present
22254. - Closed loop timing adjustment mode	22255. Not Present
22256. - SCCPCH information for FACH	22257. Not Present

Contents of RRC CONNECTION SETUP message: UM (Transition to CELL_FACH)

22258. Information Element	22259. Value/remark
22260. Message Type	22261.
22262. Initial UE identity	22263. Select the same identity as in the IE "Initial UE Identity" in received RRC CONNECTION REQUEST" message
RRC transaction identifier	22264. Arbitrarily selects an integer between 0 and 3
22265. Activation time	22266. Not Present (Now)
22267. New U-RNTI	22268.
22269. - SRNC identity	22270. 0000 0000 0001B
22271. - S-RNTI	22272. 0000 0000 0000 0000 0001B
22273. New C-RNTI	22274. 0000 0000 0000 0001B
22275. RRC state indicator	22276. CELL_FACH
22277. UTRAN DRX cycle length coefficient	22278. 9
22279. Capability update requirement	22280. Not Present
22281. Signalling RB information to setup	22282. (UM DCCH for RRC)
22283. - RB identity	22284. Not present
22285. - CHOICE RLC info type	22286. RLC info
22287. - CHOICE Uplink RLC mode	22288. UM RLC
22289. - Transmission RLC discard	22290. Not present
22291. - SDU discard mode	22292. Not present
22293. - CHOICE Downlink RLC mode	22294. UM RLC
22295. - RB mapping info	22296.
22297. - Information for each multiplexing option	22298. 2 RBMuxOptions
22299. - RLC logical channel mapping indicator	22300. Not Present
22301. - Number of uplink RLC logical channels	22302. 1
22303. - Uplink transport channel type	22304. DCH
22305. - UL Transport channel identity	22306. 5
22307. - Logical channel identity	22308. 1
22309. - CHOICE RLC size list	22310. Configured
22311. - MAC logical channel priority	22312. 1
22313. - Downlink RLC logical channel info	22314.

22258. Information Element	22259. Value/remark
22315. - Number of downlink RLC logical channels	22316. 1
22317. - Downlink transport channel type	22318. DCH
22319. - DL DCH Transport channel identity	22320. 10
22321. - DL DSCH Transport channel identity	22322. Not Present
22323. - Logical channel identity	22324. 1
22325. - RLC logical channel mapping indicator	22326. Not Present
22327. - Number of uplink RLC logical channels	22328. 1
22329. - Uplink transport channel type	22330. RACH
22331. - UL Transport channel identity	22332. Not Present
22333. - Logical channel identity	22334. 1
22335. - CHOICE RLC size list	22336. Explicit list
22337. - RLC size index	22338. According to TS34.108 clause 6.10.2.4.4.1
22339. - MAC logical channel priority	22340. 1
22341. - Downlink RLC logical channel info	22342.
22343. - Number of downlink RLC logical channels	22344. 1
22345. - Downlink transport channel type	22346. FACH
22347. - DL DCH Transport channel identity	22348. Not Present
22349. - DL DSCH Transport channel identity	22350. Not Present
22351. - Logical channel identity	22352. 1
22353. Signalling RB information to setup	22354. (AM DCCH for RRC)
22355. - RB identity	22356. Not Present
22357. - CHOICE RLC info type	22358. RLC info
22359. - CHOICE Uplink RLC mode	22360. AM RLC
22361. - Transmission RLC discard	22362.
22363. - SDU discard mode	22364. No Discard
22365. - MAX_DAT	22366. 15
22367. - Transmission window size	22368. 32

22258. Information Element	22259. Value/remark
22369.　　　　- Timer_RST	22370. 500
22371.　　　　- Max_RST	22372. 1
22373.　　　　- Polling info	22374.
22375.　　　　　- Timer_poll_prohibit	22376. 200
22377.　　　　　- Timer_poll	22378. 200
22379.　　　　　- Poll_PDU	22380. Not Present
22381.　　　　　- Poll_SDU	22382. 1
22383.　　　　　- Last transmission PDU poll	22384. TRUE
22385.　　　　　- Last retransmission PDU poll	22386. TRUE
22387.　　　　　- Poll_Windows	22388. 99
22389.　　　　　- Timer_poll_periodic	22390. Not Present
22391.　　　- CHOICE Downlink RLC mode	22392. AM RLC
22393.　　　　- In-sequence delivery	22394. TRUE
22395.　　　　- Receiving window size	22396. 32
22397.　　　　- Downlink RLC status info	22398.
22399.　　　　　- Timer_status_prohibit	22400. 200
22401.　　　　　- Timer_EPC	22402. Not Present
22403.　　　　　- Missing PDU indicator	22404. TRUE
22405.　　　　　- Timer_STATUS_periodic	22406. Not Present
22407.　　- RB mapping info	22408.
22409.　　　- Information for each multiplexing option	22410. 2 RBMuxOptions
22411.　　　　- RLC logical channel mapping indicator	22412. Not Present
22413.　　　　- Number of uplink RLC logical channels	22414. 1
22415.　　　　　- Uplink transport channel type	22416. DCH
22417.　　　　　- UL Transport channel identity	22418. 5
22419.　　　　　- Logical channel identity	22420. 2
22421.　　　　　- CHOICE RLC size list	22422. Configured
22423.　　　　　- MAC logical channel priority	22424. 2
22425.　　　　- Downlink RLC logical channel info	22426.
22427.　　　　　- Number of downlink RLC logical channels	22428. 1

22258. Information Element	22259. Value/remark
22429. - Downlink transport channel type	22430. DCH
22431. - DL DCH Transport channel identity	22432. 10
22433. - DL DSCH Transport channel identity	22434. Not Present
22435. - Logical channel identity	22436. 2
22437. - RLC logical channel mapping indicator	22438. Not Present
22439. - Number of uplink RLC logical channels	22440. 1
22441. - Uplink transport channel type	22442. RACH
22443. - UL Transport channel identity	22444. Not Present
22445. - Logical channel identity	22446. 2
22447. - CHOICE RLC size list	22448. Explicit list
22449. - RLC size index	22450. According to TS34.108 clause 6.10.2.4.4.1
22451. - MAC logical channel priority	22452. 2
22453. - Downlink RLC logical channel info	22454.
22455. - Number of downlink RLC logical channels	22456. 1
22457. - Downlink transport channel type	22458. FACH
22459. - DL DCH Transport channel identity	22460. Not Present
22461. - DL DSCH Transport channel identity	22462. Not Present
22463. - Logical channel identity	22464. 2
22465. Signalling RB information to setup	22466. (AM DCCH for NAS_DT High priority)
22467. - RB identity	22468. Not present
22469. - CHOICE RLC info type	22470. RLC info
22471. - CHOICE Uplink RLC mode	22472. AM RLC
22473. - Transmission RLC discard	22474.
22475. - SDU discard mode	22476. No Discard
22477. - MAX_DAT	22478. 15
22479. - Transmission window size	22480. 32
22481. - Timer_RST	22482. 500

22258. Information Element	22259. Value/remark
22483. - Max_RST	22484. 1
22485. - Polling info	22486.
22487. - Timer_poll_prohibit	22488. 200
22489. - Timer_poll	22490. 200
22491. - Poll_PDU	22492. Not Present
22493. - Poll_SDU	22494. 1
22495. - Last transmission PDU poll	22496. TRUE
22497. - Last retransmission PDU poll	22498. TRUE
22499. - Poll_Windows	22500. 99
22501. - Timer_poll_periodic	22502. Not Present
22503. - CHOICE Downlink RLC mode	22504. AM RLC
22505. - In-sequence delivery	22506. TRUE
22507. - Receiving window size	22508. 32
22509. - Downlink RLC status info	22510.
22511. - Timer_status_prohibit	22512. 200
22513. - Timer_EPC	22514. Not Present
22515. - Missing PDU indicator	22516. TRUE
22517. - Timer_STATUS_periodic	22518. Not Present
22519. - RB mapping info	22520.
22521. - Information for each multiplexing option	22522. 2 RBMuxOptions
22523. - RLC logical channel mapping indicator	22524. Not Present
22525. - Number of uplink RLC logical channels	22526. 1
22527. - Uplink transport channel type	22528. DCH
22529. - UL Transport channel identity	22530. 5
22531. - Logical channel identity	22532. 3
22533. - CHOICE RLC size list	22534. Configured
22535. - MAC logical channel priority	22536. 3
22537. - Downlink RLC logical channel info	22538.
22539. - Number of downlink RLC logical channels	22540. 1
22541. - Downlink transport channel type	22542. DCH

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22258. Information Element	22259. Value/remark
22543. - DL DCH Transport channel identity	22544. 10
22545. - DL DSCH Transport channel identity	22546. Not Present
22547. - Logical channel identity	22548. 3
22549. - RLC logical channel mapping indicator	22550. Not Present
22551. - Number of uplink RLC logical channels	22552. 1
22553. - Uplink transport channel type	22554. RACH
22555. - UL DCH Transport channel identity	22556. Not Present
22557. - Logical channel identity	22558. 3
22559. - CHOICE RLC size list	22560. Explicit list
22561. - RLC size index	22562. According to TS34.108 clause 6.10.2.4.4.1
22563. - MAC logical channel priority	22564. 3
22565. - Downlink RLC logical channel info	22566.
22567. - Number of downlink RLC logical channels	22568. 1
22569. - Downlink transport channel type	22570. FACH
22571. - DL DCH Transport channel identity	22572. Not Present
22573. - DL DSCH Transport channel identity	22574. Not Present
22575. - Logical channel identity	22576. 3
22577. Signalling RB information to setup	22578. (AM DCCH for NAS_DT Low priority)
22579. - RB identity	22580. Not Present
22581. - CHOICE RLC info type	22582. RLC info
22583. - CHOICE Uplink RLC mode	22584. AM RLC
22585. - Transmission RLC discard	22586.
22587. - SDU discard mode	22588. No Discard
22589. - MAX_DAT	22590. 15
22591. - Transmission window size	22592. 32
22593. - Timer_RST	22594. 500
22595. - Max_RST	22596. 1

22258. Information Element	22259. Value/remark
22597.　　　- Polling info	22598.
22599.　　　　- Timer_poll_prohibit	22600. 200
22601.　　　　- Timer_poll	22602. 200
22603.　　　　- Poll_PDU	22604. Not Present
22605.　　　　- Poll_SDU	22606. 1
22607.　　　　- Last transmission PDU poll	22608. TRUE
22609.　　　　- Last retransmission PDU poll	22610. TRUE
22611.　　　　- Poll_Windows	22612. 99
22613.　　　　- Timer_poll_periodic	22614. Not Present
22615.　　　- CHOICE Downlink RLC mode	22616. AM RLC
22617.　　　　- In-sequence delivery	22618. TRUE
22619.　　　　- Receiving window size	22620. 32
22621.　　　　- Downlink RLC status info	22622.
22623.　　　　　- Timer_status_prohibit	22624. 200
22625.　　　　　- Timer_EPC	22626. Not Present
22627.　　　　　- Missing PDU indicator	22628. TRUE
22629.　　　　　- Timer_STATUS_periodic	22630. Not Present
22631.　　- RB mapping info	22632.
22633.　　　- Information for each multiplexing option	22634. 2 RBMuxOptions
22635.　　　- RLC logical channel mapping indicator	22636. Not Present
22637.　　　- Number of uplink RLC logical channels	22638. 1
22639.　　　　- Uplink transport channel type	22640. DCH
22641.　　　　- UL Transport channel identity	22642. 5
22643.　　　　- Logical channel identity	22644. 4
22645.　　　　- CHOICE RLC size list	22646. Configured
22647.　　　　- MAC logical channel priority	22648. 4
22649.　　　- Downlink RLC logical channel info	22650.
22651.　　　- Number of downlink RLC logical channels	22652. 1
22653.　　　　- Downlink transport channel type	22654. DCH

22258. Information Element	22259. Value/remark
22655. - DL DCH Transport channel identity	22656. 10
22657. - DL DSCH Transport channel identity	22658. Not Present
22659. - Logical channel identity	22660. 4
22661. - RLC logical channel mapping indicator	22662. Not Present
22663. - Number of uplink RLC logical channels	22664. 1
22665. - Uplink transport channel type	22666. RACH
22667. - UL Transport channel identity	22668. Not Present
22669. - Logical channel identity	22670. 4
22671. - CHOICE RLC size list	22672. Explicit list
22673. - RLC size index	22674. According to TS34.108 clause 6.10.2.4.4.1
22675. - MAC logical channel priority	22676. 4
22677. - Downlink RLC logical channel info	22678.
22679. - Number of downlink RLC logical channels	22680. 1
22681. - Downlink transport channel type	22682. FACH
22683. - DL DCH Transport channel identity	22684. Not Present
22685. - DL DSCH Transport channel identity	22686. Not Present
22687. - Logical channel identity	22688. 4
22689. UL Transport channel information for all transport channels	22690.
22691. - PRACH TFCS	22692. Not Present
22693. - CHOICE Mode	22694. FDD
22695. - TFC subset	22696. Not Present
22697. - UL DCH TFCS	22698.
22699. - CHOICE TFCI signalling	22700. Normal
22701. - TFCI Field 1 information	22702.
22703. - CHOICE TFCS representation	22704. Addition
22705. - TFCS complete reconfigure	22706.
22707. - CHOICE CTFC Size	22708. 2bit CTFC

22258. Information Element	22259. Value/remark
22709. - CTFC information	22710. 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)
22711. - CTFC	22712. According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
22713. - Power offset information	22714.
22715. - CHOICE Gain Factors	22716. Computed Gain Factors (The last TFC is set to Signalled Gain Factors)
22717. - Gain factor ßc	22718. 11 (below 64 kbps)
	22719. 9 (higher than 64 kbps)
	22720. (Not Present if the above is set to Computed Gain Factors)
22721. - Gain factor ßd	22722. 15
	22723. (Not Present if the above is set to Computed Gain Factors)
22724. - Reference TFC ID	22725. 0
22726. - CHOICE mode	22727. FDD
22728. - Power offset Pp-m	22729. Not Present
22730. Added or Reconfigured TrCH information list	22731. TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1"
22732. - Added or Reconfigured UL TrCH information	22733.
22734. - Uplink transport channel type	22735. DCH
22736. - UL Transport channel identity	22737. 5
22738. - TFS	22739.
22740. - CHOICE Transport channel type	22741. Delicated transport channels
22742. - Dynamic Transport format information	22743.
22744. - RLC Size	22745. Value 16 results in an RLC size of 144 bits; OctetModeType1 ((8*sizeType1)+16).
22746. - Number of TBs and TTI List	22747. List with single entry
22748. - Transmission Time Interval	22749. Not Present
22750. - Number of Transport blocks	22751. 0
22752. - CHOICE Logical Channel List	22753. ALL

22258. Information Element	22259. Value/remark
22754. - Semi-static Transport Format information	22755.
22756. - Transmission time interval	22757. 40 ms
22758. - Type of channel coding	22759. Convolutional
22760. - Coding Rate	22761. 1/3
22762. - Rate matching attribute	22763. 160
22764. - CRC size	22765. 16
22766. DL Transport channel information common for all transport channel	22767.
22768. - SCCPCH TFCS	22769. Not Present
22770. - CHOICE mode	22771. FDD
22772. - CHOICE DL parameters	22773. Same as UL
22774. Added or Reconfigured TrCH information list	22775. TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1"
22776. - Added or Reconfigured DL TrCH information	22777.
22778. - Downlink transport channel type	22779. DCH
22780. - DL Transport channel identity	22781. 10
22782. - CHOICE DL parameters	22783. Same as UL
22784. - Uplink Transport channel type	22785. DCH
22786. - UL TrCH identity	22787. 5
22788. - DCH quality target	22789. Not Present
22790. Frequency info	22791. Not present
22792. Maximum allowed UL TX power	22793. Not present
22794. CHOICE channel requirement	22795. Not Present
22796. Downlink information common for all radio links	22797. Not Present
22798. Downlink information for each radio link list	22799. Not present

Contents of RRC CONNECTION SETUP COMPLETE message: AM

22800. Information Element	22801. Value/remark
22802. Message Type	22803.
22804. RRC transaction identifier	22805. 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.
22806. START list	22807. Not checked
22808. UE radio access capability	22809. Not checked
22810. UE radio access capability extension	22811. Not checked
22812. UE system specific capability	22813. Not checked

Contents of RRC STATUS message: AM

Information Element	Value/remark
22814. Message Type	22815.
22816. Integrity check info	22817.
22818. - Message authentication code	22819. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
22820. - RRC Message sequence number	22821. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
22822. Identification of received message	22823. Not Checked
22824. Protocol error information	22825.
22826. - Protocol error cause	22827. Refer to test requirement.

Contents of SECURITY MODE COMMAND message: AM

22828. Information Element	22829. Value/remark
22830. Message Type	22831.
22832. RRC transaction identifier	22833. Arbitrarily selects an integer between 0 and 3
22834. Integrity check info	22835.
22836. - Message authentication code	22837. Set to MAC-I value computed by the SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
22838. - RRC Message Sequence Number	22839. Set to an arbitrarily selected integer between 0 and 15
22840. Security capability	22841.
22842. - Ciphering algorithm capability	22843.
22844. - UEA0	22845. 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.

22846.	- UEA1	22847. 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.
22848.	- Spare	22849. Spare 2-15 = FALSE
22850.	- Integrity protection algorithm capability	22851. 0000000000000010B (UIA1)
22852.	- UIA1	22853. TRUE
22854.	- Spare	22855. Spare 0 and Spare 2-15 = FALSE
22856. Ciphering mode info		22857. 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.
22858.	- Ciphering mode command	22859. Start/restart
22860.	- Ciphering algorithm	22861. 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.
22862.	- Ciphering activation time for DPCH	22863. Not Present
22864.	- Radio bearer downlink ciphering activation time info	22865.
22866.	- Radio bearer activation time	22867.
22868.	- RB identity	22869. 1
22870.	- RLC sequence number	22871. Current RLC SN+2
22872.	- RB identity	22873. 2
22874.	- RLC sequence number	22875. Current RLC SN+2
22876.	- RB identity	22877. 3
22878.	- RLC sequence number	22879. Current RLC SN + 2
22880.	- RB identity	22881. 4
22882.	- RLC sequence number	22883. Current RLC SN + 2
22884. Integrity protection mode info		22885.
22886.	- Integrity protection mode command	22887. Start
22888.	- Downlink integrity protection activation info	22889. Not Present
22890.	- Integrity protection algorithm	22891. UIA1
22892.	- Integrity protection initialisation number	22893. SS selects an arbitrary 32 bits number for FRESH

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| 22894. CN domain identity | 22895. CS or PS |
| 22896. UE system specific security capability | 22897. Not Checked |

Contents of SECURITY MODE COMPLETE message: AM

22898. Information Element	22899. Value/remark
22900. Message Type	22901.
22902. RRC transaction identifier	22903. 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.
22904. Integrity check info	22905.
22906. - Message authentication code	22907. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
22908. - RRC Message sequence number	22909. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
22910. Uplink integrity protection activation info	22911. Not checked.
22912. Radio bearer uplink ciphering activation time info	22913. 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

22914. Information Element	22915. Value/remark
22916. Message Type	22917.
22918. RRC transaction identifier	22919. Checked to see if the value is the identical to the same IE in the downlink SECURITY MODE COMMAND message.
22920. Integrity check info	22921.
22922. - Message authentication code	22923. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
22924. - RRC Message sequence number	22925. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.

22926. Failure cause	22927. Refer to test requirement.

Contents of TRANSPORT CHANNEL RECONFIGURATION message: AM or UM

22928. Information Element	22	22930. Value/remark
22931. Message Type	22	22933.
22934. RRC transaction identifier	22	22936. Arbitrarily selects an integer between 0 and 3
22937. Integrity check info	22	22939.
22940. - message authentication code	22	22942. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
22943. - RRC message sequence number	22	22945. SS provides the value of this IE, from its internal counter.
22946. Integrity protection mode info	22	22948. Not Present
22949. Ciphering mode info	22	22951. Not Present
22952. Activation time	22	22954. (256+CFN-(CFN MOD 8 + 8))MOD 256

22928. Information Element	22	22930. Value/remark
22955. Activation time	22	22957. Not Present
22958. New U-RNTI	22	22960. Not Present
22961. New C-RNTI	22	22963. Not Present
22964. New C-RNTI	22	22966. '1010 1010 1010 1010'
22967. New DSCH-RNTI	22	22969. Not Present
22928. Information Element	22	22930. Value/remark

22928. Information Element	22	22930. Value/remark
22970. RRC State indicator	22	22972. CELL_DCH
22973. RRC State indicator	22	22975. CELL_FACH
22976. UTRAN DRX cycle length coefficient	22	22978. Not Present

22928. Information Element	22	22930. Value/remark
22979. CN information info	22	22981. Not Present
22982. URA identity	22	22984. Not Present
22985. Downlink counter synchronisation info	22	22987. Not Present
22988. UL Transport channel information for all transport channels	22	22990. Not Present
22991. UL Transport channel information for all transport channels	22	22993.
22994. - PRACH TFCS	22	22996. Not Present
22997. - CHOICE mode	22	22999. FDD
23000. - TFC subset	23	23002. Not Present
23003. - UL DCH TFCS	23	23005.
23006. - CHOICE TFCI signalling	23	23008. Normal
23009. - TFCI Field 1 information	23	23011.
23012. - CHOICE TFCS representation	23	23014. Complete reconfiguration
23015. - TFCS complete reconfigure information	23	23017.
23018. - CHOICE CTFC Size	23	23020. Number of bits used must be enough to cover all combinations of CTFC from TS34.108 clause 6.10.2.4 Parameter Set.

22928. Information Element	22	22930. Value/remark
23021. - CTFC information	23	23023. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Parameter Set
23024. - CTFC	23	23026. Reference to TS34.108 clause 6.10.2.4 Parameter Set
23027. - Power offset information	23	23029.
23030. - CHOICE Gain Factors	23	23032. Computed Gain Factors(The last TFC is set to Signalled Gain Factors)
23033. - Gain factor βc	23	23035. 11 (below 64 kbps)
		23036. 9 (higher than 64 kbps)
		23037. (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors)
23038. - Gain factor βd	23	23040. 15
		23041. (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors)
23042. - Reference TFC ID	23	23044. 0
23045. - CHOICE mode	23	23047. FDD
23048. - Power offset P p-m	23	23050. Not Present
23051. Added or Reconfigured UL TrCH information	23	23053. Not Present
23054. Added or Reconfigured UL TrCH information	23	23056. 2 TrCHs(DCH for DCCH and DCH for DTCH)
23057. - Uplink transport channel type	23	23059. DCH

22928. Information Element	22	22930. Value/remark
23060. - UL Transport channel identity	23	23062. 5
23063. - TFS	23	23065.
23066. - CHOICE Transport channel type	23	23068. Dedicated transport channels
23069. - Dynamic Transport format information	23	23071.
23072. - RLC Size	23	23074. Reference to TS34.108 clause 6.10 Parameter Set
23075. - Number of TBs and TTI List	23	23077. (This IE is repeated for TFI number.)
23078. - Transmission Time Interval	23	23080. Not Present
23081. - Number of Transport blocks	23	23083. Reference to TS34.108 clause 6.10 Parameter Set
23084. - CHOICE Logical Channel list	23	23086. All
23087. - Semi-static Transport Format information	23	23089.
23090. - Transmission time interval	23	23092. Reference to TS34.108 clause 6.10 Parameter Set
23093. - Type of channel coding	23	23095. Reference to TS34.108 clause 6.10 Parameter Set
23096. - Coding Rate	23	23098. Reference to TS34.108 clause 6.10 Parameter Set
23099. - Rate matching attribute	23	23101. Reference to TS34.108 clause 6.10 Parameter Set
23102. - CRC size	23	23104. Reference to TS34.108 clause 6.10 Parameter Set
23105. - Uplink transport channel type	23	23107. DCH
23108. - UL Transport channel identity	23	23110. 1
23111. - TFS	23	23113.
23114. - CHOICE Transport channel type	23	23116. Dedicated transport channels
23117. - Dynamic Transport format information	23	23119.
23120. - RLC Size	23	23122. Reference to TS34.108 clause 6.10 Parameter Set

ETSI

22928. Information Element	22	22930. Value/remark
23123. - Number of TBs and TTI List	23	23125. (This IE is repeated for TFI number.)
23126. - Transmission Time Interval	23	23128. Not Present
23129. - Number of Transport blocks	23	23131. Reference to TS34.108 clause 6.10 Parameter Set
23132. - CHOICE Logical Channel list	23	23134. All
23135. - Semi-static Transport Format information	23	23137.
23138. - Transmission time interval	23	23140. Reference to TS34.108 clause 6.10 Parameter Set
23141. - Type of channel coding	23	23143. Reference to TS34.108 clause 6.10 Parameter Set
23144. - Coding Rate	23	23146. Reference to TS34.108 clause 6.10 Parameter Set
23147. - Rate matching attribute	23	23149. Reference to TS34.108 clause 6.10 Parameter Set
23150. - CRC size	23	23152. Reference to TS34.108 clause 6.10 Parameter Set
23153. Added or Reconfigured UL TrCH information	23	23155. (DCH for DTCH)
23156. - Uplink transport channel type	23	23158. DCH
23159. - UL Transport channel identity	23	23161. 1
23162. - TFS	23	23164.
23165. - CHOICE Transport channel type	23	23167. Dedicated transport channels
23168. - Dynamic Transport format information	23	23170.
23171. - RLC Size	23	23173. Reference to TS34.108 clause 6.10 Parameter Set
23174. - Number of TBs and TTI List	23	23176. (This IE is repeated for TFI number.)
23177. - Transmission Time Interval	23	23179. Not Present
23180. - Number of Transport blocks	23	23182. Reference to TS34.108 clause 6.10 Parameter Set
23183. - CHOICE Logical Channel list	23	23185. All

22928. Information Element	22	22930. Value/remark
23186. - Semi-static Transport Format information	23	23188.
23189. - Transmission time interval	23	23191. Reference to TS34.108 clause 6.10 Parameter Set
23192. - Type of channel coding	23	23194. Reference to TS34.108 clause 6.10 Parameter Set
23195. - Coding Rate	23	23197. Reference to TS34.108 clause 6.10 Parameter Set
23198. - Rate matching attribute	23	23200. Reference to TS34.108 clause 6.10 Parameter Set
23201. - CRC size	23	23203. Reference to TS34.108 clause 6.10 Parameter Set
23204. CHOICE *mode*	23	23206. FDD
23207. - CPCH set ID	23	23209. Not Present
23210. - Added or Reconfigured TrCH information for DRAC list	23	23212. Not Present
23213. DL Transport channel information common for all transport channel	23	23215. Not Present
22928. Information Element	22	22930. Value/remark

22928. Information Element	22	22930. Value/remark
23216. DL Transport channel information common for all transport channel	23	23218.
23219. - SCCPCH TFCS	23	23221. Not Present
23222. - CHOICE mode	23	23224. FDD
23225. - CHOICE DL parameters	23	23227. Explicit
23228. - DL DCH TFCS	23	23230.
23231. - CHOICE TFCI Signalling	23	23233. Normal
23234. - TFCI Field 1 Information	23	23236.
23237. - CHOICE TFCS representation	23	23239. Complete reconfiguration
23240. - TFCS complete reconfigure	23	23242.
23243. - CHOICE CTFC Size	23	23245. Number of bits used must be enough to cover all combinations of CTFC from clause TS34.108 clause 6.10.2.4 Parameter Set.
23246. - CTFC information	23	23248. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4
23249. - CTFC	23	23251. Reference to TS34.108 clause 6.10.2.4 Parameter Set
23252. - Power offset information	23	23254. Not Present
23255. Added or Reconfigured DL TrCH information	23	23257. Not Present

22928. Information Element	22	22930. Value/remark
23258. Added or Reconfigured DL TrCH information	23	23260. 2 TrCHs(DCH for DCCH and DCH for DTCH)
23261. - Downlink transport channel type	23	23263. DCH
23264. - DL Transport channel identity	23	23266. 10
23267. - CHOICE DL parameters	23	23269. Same as UL
23270. - Uplink transport channel type	23	23272. DCH
23273. - UL TrCH identity	23	23275. 5
23276. - DCH quality target	23	23278.
23279. - BLER Quality value	23	23281. Not Present
23282. - Downlink transport channel type	23	23284. DCH
23285. - DL Transport channel identity	23	23287. 6
23288. - CHOICE DL parameters	23	23290. Explicit
23291. - TFS	23	23293.
23294. - CHOICE Transport channel type	23	23296. Dedicated transport channel
23297. - Dynamic transport format information	23	23299.
23300. - RLC Size	23	23302. Reference to TS34.108 clause 6.10 Parameter Set
23303. - Number of TBs and TTI List	23	23305. (This IE is repeated for TFI number.)
23306. - Dynamic transport format information	23	23308.
23309. - Transmission Time Interval	23	23311. Not Present
23312. - Number of Transport blocks	23	23314. Reference to TS34.108 clause 6.10 Parameter Set
23315. - Semi-static Transport Format information	23	23317.
23318. - Transmission time interval	23	23320. Reference to TS34.108 clause 6.10 Parameter Set
23321. - Type of channel coding	23	23323. Reference to TS34.108 clause 6.10 Parameter Set

22928.Information Element	22	22930.Value/remark
23324. - Coding Rate	23	23326.Reference to TS34.108 clause 6.10 Parameter Set
23327. - Rate matching attribute	23	23329.Reference to TS34.108 clause 6.10 Parameter Set
23330. - CRC size	23	23332.Reference to TS34.108 clause 6.10 Parameter Set
23333. - DCH quality target	23	23335.
23336. - BLER Quality value	23	23338.-2.0
23339.Added or Reconfigured DL TrCH information	23	23341.
23342. - Downlink transport channel type	23	23344.DCH
23345. - DL Transport channel identity	23	23347.6
23348. - CHOICE DL parameters	23	23350.Explicit
23351. - TFS	23	23353.
23354. - CHOICE Transport channel type	23	23356.Dedicated transport channel
23357. - Dynamic transport format information	23	23359.
23360. - RLC Size	23	23362.Reference to TS34.108 clause 6.10 Parameter Set
23363. - Number of TBs and TTI List	23	23365.(This IE is repeated for TFI number.)
23366. - Dynamic transport format information	23	23368.
23369. - Transmission Time Interval	23	23371.Not Present
23372. - Number of Transport blocks	23	23374.Reference to TS34.108 clause 6.10 Parameter Set
23375. - Semi-static Transport Format information	23	23377.
23378. - Transmission time interval	23	23380.Reference to TS34.108 clause 6.10 Parameter Set
23381. - Type of channel coding	23	23383.Reference to TS34.108 clause 6.10 Parameter Set
23384. - Coding Rate	23	23386.Reference to TS34.108

22928. Information Element	22	22930. Value/remark
		clause 6.10 Parameter Set
23387. - Rate matching attribute	23	23389. Reference to TS34.108 clause 6.10 Parameter Set
23390. - CRC size	23	23392. Reference to TS34.108 clause 6.10 Parameter Set
23393. - DCH quality target	23	23395.
23396. - BLER Quality value	23	23398. -2.0
23399. Frequency info	23	23401.
23402. - UARFCN uplink (Nu)	23	23404. Reference to clause 5.1 Test frequencies
23405. - UARFCN downlink (Nd)	23	23407. Reference to clause 5.1 Test frequencies
23408. Frequency info	23	23410. Not Present
23411. Maximum allowed UL TX power	23	23413. 33dBm

22928. Information Element	22	22930. Value/remark
23414. CHOICE *channel requirement*	23	23416. Not Present
23417. CHOICE channel requirement	23	23419. Uplink DPCH info
23420. -Uplink DPCH power control info	23	23422.
23423. - DPCCH power offset	23	23425. -6dB
23426. - PC Preamble	23	23428. 1 frame
23429. - SRB delay	23	23431. 7 frames
23432. - Power Control Algorithm	23	23434. Algorithm1
23435. - TPC step size	23	23437. 1dB
23438. - Scrambling code type	23	23440. Long
23441. - Scrambling code number	23	23443. 0 (0 to 16777215)
23444. - Number of DPDCH	23	23446. Not Present(1)
23447. - spreading factor	23	23449. Reference to TS34.108 clause 6.10 Parameter Set
23450. - TFCI existence	23	23452. Reference to TS34.108 clause 6.10 Parameter Set
23453. - Number of FBI bit	23	23455. Reference to TS34.108 clause 6.10 Parameter Set
23456. - Puncturing Limit	23	23458. Reference to TS34.108 clause 6.10 Parameter Set

22928. Information Element	22	22930. Value/remark
23459. CHOICE Mode	23	23461. FDD
23462. - Downlink PDSCH information	23	23464. Not Present
23465. Downlink information common for all radio links	23	23467. Not Present
23468. Downlink information common for all radio links	23	23470.
23471. - Downlink DPCH info common for all RL	23	23473.
23474. - Timing indicator	23	23476. Maintain
23477. - CFN-targetSFN frame offset	23	23479. Not Present
23480. - Downlink DPCH power control information	23	23482.
23483. - DPC mode	23	23485. 0 (single)
23486. - CHOICE mode	23	23488. FDD
23489. - Power offset $P_{Pilot\text{-}DPDCH}$	23	23491. 0

22928. Information Element	22	22930. Value/remark
23492.　　　- DL rate matching restriction information	23	23494. Not Present
23495.　　　- Spreading factor	23	23497. Reference to TS34.108 clause 6.10 Parameter Set
23498.　　　- Fixed or Flexible Position	23	23500. Reference to TS34.108 clause 6.10 Parameter Set
23501.　　　- TFCI existence	23	23503. Reference to TS34.108 clause 6.10 Parameter Set
23504.　　　- CHOICE SF	23	23506. Reference to TS34.108 clause 6.10 Parameter Set
23507.　　- DPCH compressed mode info	23	23509. Not Present
23510.　　- TX Diversity mode	23	23512. None
23513.　　- SSDT information	23	23515. Not Present
23516.　　- Default DPCH Offset Value	23	23518. Not Present
23519. Downlink information common for all radio links	23	23521.
23522.　　- Downlink DPCH info common for all RL	23	23524.
23525.　　　- Timing indicator	23	23527. Initialise
23528.　　　- CFN-targetSFN frame offset	23	23530. Not Present
23531.　　　- Downlink DPCH power control information	23	23533.
23534.　　　- DPC mode	23	23536. 0 (single)
23537.　　　- CHOICE mode	23	23539. FDD
23540.　　　- Power offset $P_{Pilot-DPDCH}$	23	23542. 0
23543.　　　- DL rate matching restriction information	23	23545. Not Present
23546.　　　- Spreading factor	23	23548. Reference to TS34.108 clause 6.10 Parameter Set
23549.　　　- Fixed or Flexible Position	23	23551. Reference to TS34.108 clause 6.10 Parameter Set
23552.　　　- TFCI existence	23	23554. Reference to TS34.108 clause 6.10 Parameter Set
23555.　　　- CHOICE SF	23	23557. Reference to TS34.108

22928. Information Element	22	22930. Value/remark
		clause 6.10 Parameter Set
23558. - DPCH compressed mode info	23	23560. Not Present
23561. - TX Diversity mode	23	23563. None
23564. - SSDT information	23	23566. Not Present
23567. - Default DPCH Offset Value	23	23569. Arbitrary set to value 0..306688 by step of 512
23570. Downlink information for each radio link list	23	23572.
23573. - Downlink information for each radio links	23	23575.
23576. - CHOICE mode	23	23578. FDD
23579. - Primary CPICH info	23	23581.
23582. - Primary scrambling code	23	23584. Ref. to the Default setting in TS34.108 clause 6.1 (FDD)
23585. - PDSCH with SHO DCH info	23	23587. Not Present
23588. - PDSCH code mapping	23	23590. Not Present
23591. - Downlink DPCH info for each RL	23	23593.
23594. - Primary CPICH usage for channel estimation	23	23596. Primary CPICH may be used
23597. - DPCH frame offset	23	23599. Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400
23600. - Power offset $P_{Pilot\text{-}DPDCH}$	23	23602. 0
23603. - Secondary CPICH info	23	23605. Not Present
23606. - DL channelisation code	23	23608.
23609. - Secondary scrambling code	23	23611. 4
23612. - Spreading factor	23	23614. Reference to TS34.108

22928. Information Element	22	22930. Value/remark
		clause 6.10 Parameter Set
23615. - Code number	23	23617. 0
23618. - Scrambling code change	23	23620. No change
23621. - TPC combination index	23	23623. 0
23624. - SSDT Cell Identity	23	23626. Not Present
23627. - Closed loop timing adjustment mode	23	23629. Not Present
23630. - SCCPCH information for FACH	23	23632. Not Present
23633. Downlink information for each radio link list	23	23635.
23636. - Downlink information for each radio links	23	23638.
23639. - CHOICE mode	23	23641. FDD
23642. - Primary CPICH info	23	23644.
23645. - Primary scrambling code	23	23647. Ref. to the Default setting in TS34.108 clause 6.1 (FDD)
23648. - PDSCH with SHO DCH info	23	23650. Not Present
23651. - PDSCH code mapping	23	23653. Not Present
23654. - Downlink DPCH info for each RL	23	23656.
23657. - Primary CPICH usage for channel estimation	23	23659. Primary CPICH may be used
23660. - DPCH frame offset	23	23662. Set to value: Default DPCH Offset Value mod 38400
23663. - Power offset $P_{Pilot\text{-}DPDCH}$	23	23665. 0
23666. - Secondary CPICH info	23	23668. Not Present
23669. - DL channelisation code	23	23671.
23672. - Secondary scrambling code	23	23674. 4
23675. - Spreading factor	23	23677. Reference to TS34.108 clause 6.10 Parameter Set
23678. - Code number	23	23680. 0
23681. - Scrambling code change	23	23683. No change

22928. Information Element	22	22930. Value/remark
23684. - TPC combination index	23	23686. 0
23687. - SSDT Cell Identity	23	23689. Not Present
23690. - Closed loop timing adjustment mode	23	23692. Not Present
23693. - SCCPCH information for FACH	23	23695. Not Present
23696. - Downlink information for each radio link	23	23698.
23699. - Choice mode	23	23701. FDD
23702. - Primary CPICH info	23	23704.
23705. - Primary scrambling code	23	23707. Ref. to the Default setting in TS34.108 clause 6.1 (FDD)
23708. - PDSCH with SHO DCH info	23	23710. Not Present
23711. - PDSCH code mapping	23	23713. Not Present
23714. - Downlink DPCH info for each RL	23	23716. Not present
23717. - SCCPCH information for FACH	23	23719. Not Present
23720. - Downlink information for each radio link	23	23722. Not Present

23723. Condition	23724. Explanation
23725. A1	23726. This IE need for "Non speech in CS"
23727. A2	23728. This IE need for "Speech in CS"
23729. A3	23730. This IE need for "Packet to CELL_DCH from CELL_DCH in PS"
23731. A4	23732. This IE need for "Packet to CELL_DCH from CELL_FACH in PS"
23733. A5	23734. This IE need for "Packet to CELL_FACH from CELL_DCH in PS"
23735. A6	23736. This IE need for "Packet to CELL_FACH from CELL_FACH in PS"

Contents of TRANSPORT CHANNEL RECONFIGURATION COMPLETE message: AM

23737. Information Element	23738. Value/remark
23739. Message Type	23740.

23741. RRC transaction identifier	23742. Checked to see if the value is identical to the same IE in the downlink TRANSPORT CHANNEL RECONFIGURATION message
23743. Integrity check info	23744.
23745. - Message authentication code	23746. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
23747. - RRC Message sequence number	23748. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
23749. Uplink integrity protection activation info	23750. Not checked
23751. CHOICE mode	23752. FDD
23753. COUNT-C activation time	23754. Not checked
23755. Radio bearer uplink ciphering activation time info	23756. Not checked
23757. Uplink counter synchronisation info	23758. Not checked

Contents of TRANSPORT CHANNEL RECONFIGURATION FAILURE message: AM

Information Element	Value/remark
23759. Message Type	23760.
23761. RRC transaction identitifer	23762. Checked to see if it is set to identical value of the same IE in the downlink TRANSPORT CHANNEL RECONFIGURATION message.
23763. Integrity check info	23764.
23765. - Message authentication code	23766. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
23767. - RRC Message sequence number	23768. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
23769. Failure cause	23770. Checked to see if it meets test requirement

Contents of TRANSPORT FORMAT COMBINATION CONTROL message: AM or UM (in CELL_DCH)

23771. Information Element	23772. Value/remark
23773. Message Type	23774.

23775. RRC transaction identifier	23776. Arbitrarily selects an integer between 0 and 3
23777. Integrity check info	23778.
23779. - Message authentication code	23780. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
23781. - RRC Message sequence number	23782. SS provides the value of this IE, from its internal counter.
23783. CHOICE mode	23784. FDD
23785. DPCH/PUSCH TFCS in Uplink	23786.
23787. - CHOICE *Subset representation*	23788. Allowed transport format combination list
23789. - Allowed Transport format combination	23790. 0 (The TFC is constructed from ALL TF0)
23791. Activation time for TFC subset	23792. Not Present
23793. TFC Control duration	23794. Not Present

Contents of UE CAPABILITY ENQUIRY message: AM or UM

23795. Information Element	23796. Value/remark
23797. Message Type	23798.
23799. RRC transaction identifier	23800. Arbitrarily selects an integer between 0 and 3
23801. Integrity check info	23802.
23803. - Message authentication code	23804. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
23805. - RRC Message sequence number	23806. SS provides the value of this IE, from its internal counter.
23807. Capability update requirement	23808.
23809. - UE radio access FDD capability update requirement	23810. TRUE
23811. - UE radio access TDD capability update requirement	23812. FALSE
23813. - System specific capability update requirement list	23814. Not Present

Contents of UE CAPABILITY INFORMATION message: AM

23815. Information Element	23816. Value/remark

23815. Information Element	23816. Value/remark
23817. Message Type	23818.
23819. RRC transaction identifier	23820. Checked to see if the value is identical to the same IE in the downlink UE CAPABILITY ENQUIRY message.
23821. Integrity check info	23822.
23823. - Message authentication code	23824. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
23825. - RRC Message sequence number	23826. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
23827. UE radio access capability	23828. Value will be checked. Stated capability must be compatible with 34.123-2 (ICS statements) and the user settings
23829. - Access stratum release indicator	23830.
23831. - PDCP Capability	23832.
23833. - RLC Capability	23834.
23835. - Transport channel capability	23836.
23837. - RF Capability FDD	23838.
23839. - RF Capability TDD	23840.
23841. - Physical channel capability	23842.
23843. - UE multi-mode/multi-RAT capability	23844.
23845. - Security Capability	23846.
23847. - UE positioning Capability	23848.
23849. - Measurement capability	23850.
23851. UE radio access capability extension	23852. Value will be checked. Stated capability must be compatible with 34.123-2 (ICS statements) and the user settings
23853. UE system specific capability	23854. Not Checked

Contents of UE CAPABILITY INFORMATION CONFIRM message: UM

23855. Information Element	23856. Value/remark
23857. Message Type	23858.
23859. RRC transaction identifier	23860. Set to the same value as received in the UE CAPABILITY INFORMATON message.

23861. Integrity check info	23862.
23863. - Message authentication code	23864. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
23865. - RRC Message sequence number	23866. SS provides the value of this IE, from its internal counter.

Contents of URA UPDATE message: TM

23867. Information Element	**23868. Value/remark**
23869. Message Type	23870.
23871. U-RNTI	23872.
23873. - SRNC identity	23874. 0000 0000 0001B
23875. - S-RNTI	23876. 0000 0000 0000 0000 0001B
23877. RRC transaction identifier	23878. Checked to see if it is absent
23879. Integrity check info	23880.
23881. - Message authentication code	23882. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
23883. - RRC Message sequence number	23884. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
23885. URA update cause	23886. See the test content
23887. Protocol error indicator	23888. Checked to see if it is absent or set to 'FALSE'
23889. Protocol error information	23890. Checked to see if it is absent

Contents of URA UPDATE CONFIRM message: UM

23891. Information Element	**23892. Value/remark**
23893. Message Type	23894.
23895. U-RNTI	23896. If this message is sent on CCCH, use the following values. Else, this IE is absent.
23897. - SRNC identity	23898. 0000 0000 0001B
23899. - S-RNTI	23900. 0000 0000 0000 0000 0001B
23901. RRC transaction identifier	23902. Arbitrarily selects and integer between 0 and 3
23903. Integrity check info	23904.

23905. - message authentication code	23906. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
23907. - RRC message sequence number	23908. SS provides the value of this IE, from its internal counter.
23909. Integrity protection mode info	23910. Not Present
23911. Ciphering mode info	23912. Not Present
23913. New U-RNTI	23914. Not Present
23915. New C-RNTI	23916. Not Present
23917. RRC state indicator	23918. URA_PCH
23919. UTRAN DRX cycle length coefficient	23920. 3
23921. CN information info	23922. Not Present
23923. URA identity	23924. See the test content
23925. Downlink counter synchronisation info	23926. Not Present

Contents of UPLINK DIRECT TRANSFER message: AM

23927. Information Element	23928. Value/remark
23929. Message Type	23930.
23931. Integrity check info	23932.
23933. - Message authentication code	23934. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
23935. - RRC Message sequence number	23936. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
23937.	23938.
23939. CN domain identity	23940. Checked to see if set to a CN domain for which a signalling connection exists
23941. NAS message	23942. Set according to that indicated in specific message content clause
23943. Measured results on RACH	23944. Not checked

Contents of UTRAN MOBILITY INFORMATION message: AM or UM

23945. Information Element	23946. Value/remark
23947. Message Type	23948.
23949. Integrity check info	23950.

23951. - message authentication code	23952. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
23953. - RRC message sequence number	23954. SS provides the value of this IE, from its internal counter.
23955. RRC transaction identifier	23956. Arbitrarily selects an integer between 0 and 3
23957. Integrity protection mode info	23958. Not Present
23959. Ciphering mode info	23960. Not Present
23961. New U-RNTI	23962. See the test content
23963. New C-RNTI	23964. See the test content
23965. UE Timers and constants in connected mode	23966.
23967. - T301	23968. 2000 milliseconds
23969. - N301	23970. 2
23971. - T302	23972. 4000 milliseconds
23973. - N302	23974. 3
23975. - T304	23976. 1000 milliseconds
23977. - N304	23978. 3
23979. - T305	23980. 60 minutes
23981. - T307	23982. 50 seconds
23983. - T308	23984. 320 milliseconds
23985. - T309	23986. 8 seconds
23987. - T310	23988. 320 milliseconds
23989. - N310	23990. 5
23991. - T311	23992. 500 milliseconds
23993. - T312	23994. 5 seconds
23995. - N312	23996. 200
23997. - T313	23998. 10 seconds
23999. - N313	24000. 200
24001. - T314	24002. 20 seconds
24003. - T315	24004. 30 seconds
24005. - N315	24006. 200
24007. - T316	24008. 50 seconds
24009. - T317	24010. 1800 seconds
24011. CN information info	24012. Not Present

24013. URA identity	24014. Not present
24015. Downlink counter synchronisation info	24016. Not Present

Contents of UTRAN MOBILITY INFORMATION CONFIRM message: AM

24017. Information Element	24018. Value/remark
24019. Message Type	24020.
24021. RRC transaction identifier	24022. Checked to see if it matches the value of the same IE in downlink UTRAN MOBILITY INFORMATION message
24023. Integrity check info	24024.
24025. - Message authentication code	24026. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
24027. - RRC Message sequence number	24028. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
24029. Uplink integrity protection activation info	24030. Not checked
24031. COUNT-C activation time	24032. Not checked
24033. Radio bearer uplink ciphering activation time info	24034. Not checked
24035. Uplink counter synchronisation info	24036. Not checked

9.1.2   Default Message Contents for Signalling (TDD)

Contents of DOWNLINK DIRECT TRANSFER message: AM

24037. Information Element	24038. Value/remark
24039. Message Type	24040.
24041. RRC transaction identifier	24042. 0
24043. Integrity check info	24044.
24045. - Message authentication code	24046. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
24047. - RRC Message sequence number	24048. SS provides the value of this IE, from its internal counter.
24049. CN domain identity	24050. CS domain or PS domain
24051. NAS message	24052. See Specific Message Content for each test case

Contents of INITIAL DIRECT TRANSFER message: AM

24053. Information Element	24054. Value/remark
24055. Message Type	24056.
24057. Integrity check info	24058.
24059. - Message authentication code	24060. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
24061. - RRC Message sequence number	24062. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
24063. CN domain identity	24064. CS domain or PS domain
24065. Intra Domain NAS Node Selector	24066. Set to the same octet string as in the IMSI stored in the USIM card
24067. NAS message	24068. Set according to that indicated in specific message content for each test case
24069. Measured results on RACH	24070. Not checked

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

24071. Information Element	24072. Value/remark
24073. Message Type	24074.
24075. Paging record list	24076.
24077. - Paging record	24078.
24079. - CHOICE Used paging identity	24080. CN identity
24081. - Paging cause	24082. Terminating Conversational Call
24083. - CN domain identity	24084. CS domain
24085. - CHOICE UE identity	24086.
24087. - IMSI (GSM-MAP)	24088. Set to the same octet string as in the IMSI stored in the USIM card
24089. BCCH modification info	24090. Not Present

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

24091. Information Element	24092. Value/remark
24093. Message Type	24094.
24095. Paging record list	24096.

24097. - Paging record	24098.
24099. - CHOICE Used paging identity	24100. CN identity
24101. - Paging cause	24102. Terminating Streaming Call
24103. - CN domain identity	24104. CS domain
24105. - CHOICE UE identity	24106.
24107. - IMSI (GSM-MAP)	24108. Set to the same octet string as in the IMSI stored in the USIM card
24109. BCCH modification info	24110. Not Present

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

24111. Information Element	24112. Value/remark
24113. Message Type	24114.
24115. Paging record list	24116.
24117. - Paging record	24118.
24119. - CHOICE Used paging identity	24120. CN identity
24121. - Paging cause	24122. Terminating Interactive Call
24123. - CN domain identity	24124. PS domain
24125. - CHOICE UE identity	24126.
24127. - IMSI (GSM-MAP)	24128. Set to the same octet string as in the IMSI stored in the USIM card
24129. BCCH modification info	24130. Not Present

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

24131. Information Element	24132. Value/remark
24133. Message Type	24134.
24135. RRC transaction identifier	24136. 0
24137. Integrity check info	24138.
24139. - message authentication code	24140. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
24141. - RRC message sequence number	24142. SS provides the value of this IE, from its internal counter.
24143. Integrity protection mode info	24144. Not Present
24145. Ciphering mode info	24146. 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

24131. Information Element	24132. Value/remark
	stated below. Else, this IE is omitted.
24147. - Ciphering mode command	24148. Start/restart
24149. - Ciphering algorithm	24150. Use one of the supported ciphering algorithms
24151. - Ciphering activation time for DPCH	24152. (256+CFN-(CFN MOD 8 + 8))MOD 256
24153. - Radio bearer downlink ciphering activation time info	24154. Not Present
24155. Activation time	24156. (256+CFN-(CFN MOD 8 + 8))MOD 256
24157. New U-RNTI	24158. Not Present
24159. New C-RNTI	24160. Not Present
24161. New DSCH-RNTI	24162. Not Present
24163. RRC State indicator	24164. CELL_DCH
24165. UTRAN DRX cycle length coefficient	24166. Not Present
24167. CN information info	24168. Not Present
24169. URA identity	24170. Not Present
24171. Signalling RB information to setup list	24172. Not Present
24173. RAB information for setup list	24174.
24175. - RAB information for setup	24176.
24177. - RAB info	24178.
24179. - RAB identity	24180. 0000 0001B
	24181. The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.
24182. - CN domain identity	24183. CS domain
24184. - NAS Synchronization Indicator	24185. Not Present
24186. - Re-establishment timer	24187. UseT314
24188. - RB information to setup	24189.
24190. - RB identity	24191. 10
24192. - PDCP info	24193. Not Present
24194. - CHOICE RLC info type	24195. RLC info
24196. - CHOICE Uplink RLC mode	24197. TM RLC
24198. - Transmission RLC discard	24199. Not Present
24200. - Segmentation indication	24201. FALSE
24202. - CHOICE Downlink RLC mode	24203. TM RLC

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24131. Information Element	24132. Value/remark
24204. - Segmentation indication	24205. FALSE
24206. - RB mapping info	24207.
24208. - Information for each multiplexing option	24209.
24210. - RLC logical channel mapping indicator	24211. Not Present
24212. - Number of uplink RLC logical channels	24213. 1
24214. - Uplink transport channel type	24215. DCH
24216. - UL Transport channel identity	24217. 1
24218. - Logical channel identity	24219. Not Present
24220. - CHOICE RLC size list	24221. Configured
24222. - MAC logical channel priority	24223. 6
24224. - Downlink RLC logical channel info	24225.
24226. - Number of downlink RLC logical channels	24227. 1
24228. - Downlink transport channel type	24229. DCH
24230. - DL DCH Transport channel identity	24231. 6
24232. - DL DSCH Transport channel identity	24233. Not Present
24234. - Logical channel identity	24235. Not Present
24236. - RB identity	24237. 11
24238. - PDCP info	24239. Not Present
24240. - CHOICE RLC info type	24241. RLC info
24242. - CHOICE Uplink RLC mode	24243. TM RLC
24244. - Transmission RLC discard	24245. Not Present
24246. - Segmentation indication	24247. FALSE
24248. - CHOICE Downlink RLC mode	24249. TM RLC
24250. - Segmentation indication	24251. FALSE
24252. - RB mapping info	24253.
24254. - Information for each multiplexing option	24255.
24256. - RLC logical channel mapping indicator	24257. Not Present
24258. - Number of uplink RLC logical	24259. 1

24131. Information Element	24132. Value/remark
channels	
24260. - Uplink transport channel type	24261. DCH
24262. - UL Transport channel identity	24263. 2
24264. - Logical channel identity	24265. Not Present
24266. - CHOICE RLC size list	24267. Configured
24268. - MAC logical channel priority	24269. 6
24270. - Downlink RLC logical channel info	24271.
24272. - Number of downlink RLC logical channels	24273. 1
24274. - Downlink transport channel type	24275. DCH
24276. - DL DCH Transport channel identity	24277. 7
24278. - DL DSCH Transport channel identity	24279. Not Present
24280. - Logical channel identity	24281. Not Present
24282. - RB identity	24283. 12
24284. - PDCP info	24285. Not Present
24286. - CHOICE RLC info type	24287. RLC info
24288. - CHOICE Uplink RLC mode	24289. TM RLC
24290. - Transmission RLC discard	24291. Not Present
24292. - Segmentation indication	24293. FALSE
24294. - CHOICE Downlink RLC mode	24295. TM RLC
24296. - Segmentation indication	24297. FALSE
24298. - RB mapping info	24299.
24300. - Information for each multiplexing option	24301.
24302. - RLC logical channel mapping indicator	24303. Not Present
24304. - Number of uplink RLC logical channels	24305. 1
24306. - Uplink transport channel type	24307. DCH
24308. - UL Transport channel identity	24309. 3
24310. - Logical channel identity	24311. Not Present
24312. - CHOICE RLC size list	24313. Configured
24314. - MAC logical channel priority	24315. 6

24131. Information Element	24132. Value/remark
24316. - Downlink RLC logical channel info	24317.
24318. - Number of downlink RLC logical channels	24319. 1
24320. - Downlink transport channel type	24321. DCH
24322. - DL DCH Transport channel identity	24323. 8
24324. - DL DSCH Transport channel identity	24325. Not Present
24326. - Logical channel identity	24327. Not Present
24328. RB information to be affected list	24329. Not Present
24330. Downlink counter synchronisation info	24331. Not Present
24332. UL Transport channel information for all transport channels	24333.
24334. - PRACH TFCS	24335. Not Present
24336. - CHOICE mode	24337. TDD
24338. -Individual UL CCTrCH information	24339.
24340. - TFCS ID	24341. (This IE is repeated for TFC number.)
24342. - Allowed Transport Format combination	0 to MaxTFCvalue-1 (MaxTFCValue is refer to 24343. TS34.108 clause 6 Parameter Set.)
24344. - PRACH TFCS	24345. (This IE is repeated for TFC number.)
24346. - CHOICE TFCI signalling	24347. Normal
24348. - TFCI Field 1 information	24349.
24350. - TFCS complete reconfigure information	24351.
24352. - CHOICE TFCS Size	Number of used bits must be enough to cover all combinations of CTFC from clauses 6. 24353. Refer to TS34.108 clause 6 Parameter Set
24354. - CTFC information	24355. Not Present
24356. - CHOICE mode	24357. TDD
24358. - Individual UL CCTrCH information	24359. Not Present
24360. Deleted TrCH information list	**24361.** Not Present
24362. Added or Reconfigured TrCH information list	24363. 3 DCHs

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24131. Information Element	24132. Value/remark
24364. - Added or Reconfigured UL TrCH information	24365.
24366. - Uplink transport channel type	24367. DCH
24368. - UL Transport channel identity	24369. 1
24370. - TFS	24371.
24372. - CHOICE Transport channel type	24373. Dedicated transport channels
24374. - Dynamic Transport format information	24375.
24376. - RLC Size	24377. Reference to TS34.108 clause 6.10 Parameter Set
24378. - Number of TBs and TTI List	24379. (This IE is repeated for TFI number.)
24380. - Transmission Time Interval	24381. Not Present
24382. - Number of Transport blocks	24383. Reference to TS34.108 clause 6.10 Parameter Set
24384. - CHOICE Logical Channel list	24385. All
24386. - Semi-static Transport Format information	24387.
24388. - Transmission time interval	24389. Reference to TS34.108 clause 6.10 Parameter Set
24390. - Type of channel coding	24391. Reference to TS34.108 clause 6.10 Parameter Set
24392. - Coding Rate	24393. Reference to TS34.108 clause 6.10 Parameter Set
24394. - Rate matching attribute	24395. Reference to TS34.108 clause 6.10 Parameter Set
24396. - CRC size	24397. Reference to TS34.108 clause 6.10 Parameter Set
24398. - Uplink transport channel type	24399. DCH
24400. - UL Transport channel identity	24401. 2
24402. - TFS	24403.
24404. - CHOICE Transport channel type	24405. Dedicated transport channels
24406. - Dynamic Transport format information	24407.
24408. - RLC Size	24409. Reference to TS34.108 clause 6.10 Parameter Set
24410. - Number of TBs and TTI List	24411. (This IE is repeated for TFI number.)
24412. - Transmission Time Interval	24413. Not Present

24131. Information Element	24132. Value/remark
24414. - Number of Transport blocks	24415. Reference to TS34.108 clause 6.10 Parameter Set
24416. - Transmission Time Interval	24417. Reference to TS34.108 clause 6.10 Parameter Set
24418. - Number of Transport blocks	24419. (This IE is repeated for TFI number.)
24420. - CHOICE Logical Channel list	24421. All
24422. - Semi-static Transport Format information	24423.
24424. - Transmission time interval	24425. Reference to TS34.108 clause 6.10 Parameter Set
24426. - Type of channel coding	24427. Reference to TS34.108 clause 6.10 Parameter Set
24428. - Coding Rate	24429. Reference to TS34.108 clause 6.10 Parameter Set
24430. - Rate matching attribute	24431. Reference to TS34.108 clause 6.10 Parameter Set
24432. - CRC size	24433. Reference to TS34.108 clause 6.10 Parameter Set
24434. - Uplink transport channel type	24435. DCH
24436. - UL Transport channel identity	24437. 3
24438. - TFS	24439.
24440. - CHOICE Transport channel type	24441. Dedicated transport channels
24442. - Dynamic Transport format information	24443.
24444. - RLC Size	24445. Reference to TS34.108 clause 6.10 Parameter Set
24446. - Number of TBs and TTI List	24447. (This IE is repeated for TFI number.)
24448. - Transmission Time Interval	24449. Not Present
24450. - Number of Transport blocks	24451. Reference to TS34.108 clause 6.10 Parameter Set
24452. - Transmission Time Interval	24453. Reference to TS34.108 clause 6.10 Parameter Set
24454. - Number of Transport blocks	24455. (This IE is repeated for TFI number.)
24456. - CHOICE Logical Channel list	24457. All
24458. - Semi-static Transport Format information	24459.
24460. - Transmission time interval	24461. Reference to TS34.108 clause 6.10 Parameter Set
24462. - Type of channel coding	24463. Reference to TS34.108 clause 6.10

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24131. Information Element	24132. Value/remark
	Parameter Set
24464. - Coding Rate	24465. Reference to TS34.108 clause 6.10 Parameter Set
24466. - Rate matching attribute	24467. Reference to TS34.108 clause 6.10 Parameter Set
24468. - CRC size	24469. Reference to TS34.108 clause 6.10 Parameter Set
24470. CHOICE mode	24471. TDD (no data)
24472. DL Transport channel information common for all transport channel	24473.
24474. - SCCPCH TFCS	24475. Not Present
24476. - CHOICE mode	24477. TDD
24478. - CHOICE DL parameters	24479. Same as UL
24480. Deleted TrCH information list	24481. Not Present
24482. Added or Reconfigured TrCH information list	24483. 3 DCHs
24484. Added or Reconfigured DL TrCH information	24485.
24486. - Downlink transport channel type	24487. DCH
24488. - DL Transport channel identity	24489. 6
24490. - CHOICE DL parameters	24491. Same as UL
24492. - Uplink transport channel type	24493. DCH
24494. - UL TrCH identity	24495. 1
24496. - DCH quality target	24497.
24498. - BLER Quality value	24499. -6.3
24500. - Downlink transport channel type	24501. DCH
24502. - DL Transport channel identity	24503. 7
24504. - CHOICE DL parameters	24505. Same as UL
24506. - Uplink transport channel type	24507. DCH
24508. - UL TrCH identity	24509. 2
24510. - DCH quality target	24511.
24512. - BLER Quality value	24513. Not Present
24514. - Downlink transport channel type	24515. DCH
24516. - DL Transport channel identity	24517. 8
24518. - CHOICE DL parameters	24519. Same as UL
24520. - Uplink transport channel type	24521. DCH

24131. Information Element	24132. Value/remark
24522. - UL TrCH identity	24523. 3
24524. - DCH quality target	24525.
24526. - BLER Quality value	24527. Not Present
24528. Frequency info	24529.
24530. - UARFCN Nt)	24531. Reference to clause 5.1 Test frequencies
24532. Maximum allowed UL TX power	24533. 30dBm
24534. CHOICE channel requirement	24535. Uplink DPCH info
24536. - Uplink DPCH power control info	24537.
24538. - CHOICE mode	24539. TDD
- UL Target SIR - CHOICE UL OL PC info	Reference to TS34.108 Parameter set. Individually signalled
24540. - CHOICE TDD option	24541. 3.84 Mcps
24542. - Individual timeslot interference info	24543.
24544. - DPCH Constant Value	24545.
24546. - CHOICE mode	24547. TDD
24548. - Uplink Timing Advance Control	24549. Not Present
24550. - UL CCTrCH List	24551.
24552. - TFCS Id	24553. 1
24554. - Time info	24555.
24556. - Activation time	24557. (256+CFN-(CFN MOD 8 + 8))MOD 256
24558. - Duration	24559. infinite
24560. - Common timeslot info	24561.
24562. - 2nd interleaving mode	24563. Reference to TS34.108 clause 6 Parameter Set.
- TFCI coding - Puncturing Limit	Reference to TS34.108 clause 6 Parameter set. Reference to TS34.108 clause 6 Parameter set.
24564. - Repetition Period	24565. Reference to TS34.108 clause 6 Parameter set.
24566. - Repetition Length	24567. Reference to TS34.108 clause 6 Parameter set.
24568. - Uplink DPCH timeslots and code	24569.
24570. - First individual timeslot info	24571.
24572. - Timeslot number	24573. The number of an uplink timeslot that

24131. Information Element	24132. Value/remark
	has unassigned codes.
- TFCI existence	TRUE
- Midamble shift and burst type	
- CHOICE TDD option	3.84 Mcps
24574. - Midamble allocation mode	24575. Default
- Midamble configuration burst type 1 and 3	24576. 16
24577. - CHOICE TDD option	(no data)
24578. - First timeslot channelisation codes	24579. Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set.
24580. - Channelisation code	(i/SF) where i denotes an unassigned code matching the SF specified in TS34.108 clause 6 Parameter Set.
- CHOICE more timeslots	24581. The presence of this IE depends upon the number of resources specified in TS34.108 section 6 and the number of slots in which they are being assigned.
24582. Downlink information common for all radio links	24583.
24584. - Downlink DPCH info common for all RL	24585.
24586. - Timing indicator	24587. Maintain
- CFN-targetSFN frame offset	Not Present
- Downlink DPCH power control information	
24588. - CHOICE mode	24589. TDD
24590. - TPC step size	24591. 1 dB
24592. - CHOICE mode	24593. TDD
24594. - CHOICE TDD option	24595. 3.84 Mcps (no data)
24596. - Default DPCH offset value	24597. 0
24598. - Downlink information for each radio link	24599.
24600. - Choice mode	24601. TDD
24602. - Primary CCPCH info	24603.
24604. - CHOICE TDD option	24605. 3.84 Mcps
24606. - CHOICE *SyncCase*	24607. Sync Case 1
24608. - Timeslot	24609. PCCPCH timeslot
24610. - Cell parameters ID	24611. 0
24612. - SCTD indicator	24613.
24614. - Downlink DPCH info for each RL	24615.
24616. - CHOICE mode	24617. TDD

24131. Information Element	24132. Value/remark
24618. - DL CCTrCH List	24619.
24620. - TFCS ID	24621. 1
24622. - Time info	24623.
24624. - Activation time	24625. (256+CFN-(CFN mod 8 + 8))mod 256
24626. - Duration	24627. infinite
24628. - Common timeslot info	24629.
24630. - 2nd interleaving mode	24631. Reference to TS34.108
24632. - TFCI coding	24633. TRUE
24634. - Puncturing limit	24635. Reference to TS34.108 clause 6 Parameter set
24636. - Repetition period	24637. 1
24638. - Repetition length	24639. Empty
24640. - Downlink DPCH timeslots and codes	24641.
24642. - Individual timeslot info	24643.
24644. - Timeslot number	The number of a downlink timeslot that has 24645. unassigned codes.
24646. - TFCI existence	24647. TRUE
24648. - Midamble shift and burst type	24649.
24650. - CHOICE TDD option	24651. 3.84 Mcps
24652. **-**CHOICE Burst Type	24653.
24654. **-**Type 1	24655.
24656. -Midamble Allocation Mode	24657. Default
24658. - Midamble configuration burst type 1 and 3	24659. As defined in 3GPP TS 25.221
24660. - First timeslot channelisation codes	24661.
24662. - First channelisation code	(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in 24663. TS34.108 clause 6 Parameter Set..
24664. - Last channelisation code	(j/SF) where j is the highest numbered code 24665. that is being assigned in the slot.
24666. - Bitmap	Bitmap of the codes that are being assigned in 24667. the slot.
24668. - 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

24131. Information Element	24132. Value/remark
	24669. have been assigned in the first timeslot..
24670. - UL CCTrCH TPC List	24671. Not Present
24672. -SCCPCH information for FACH	24673. Not Present

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

24674. Information Element	24675. Value/remark
24676. Message Type	24677.
24678. RRC transaction identifier	24679. 0
24680. Integrity check info	24681.
24682. - message authentication code	24683. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
24684. - RRC message sequence number	24685. SS provides the value of this IE, from its internal counter.
24686. Integrity protection mode info	24687. Not Present
24688. Ciphering mode info	24689. 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.
24690. - Ciphering mode command	24691. Start/restart
24692. - Ciphering algorithm	24693. Use one of the supported ciphering algorithms
24694. - Ciphering activation time for DPCH	24695. (256+CFN-(CFN MOD 8 + 8))MOD 256
24696. - Radio bearer downlink ciphering activation time info	24697. Not Present
24698. Activation time	24699. (256+CFN-(CFN MOD 8 + 8))MOD 256
24700. New U-RNTI	24701. Not Present
24702. New C-RNTI	24703. Not Present
24704. New DSCH-RNTI	24705. Not Present
24706. RRC State indicator	24707. CELL_DCH
24708. UTRAN DRX cycle length coefficient	24709. Not Present
24710. CN information info	24711. Not Present
24712. URA identity	24713. Not Present

24674. Information Element	24675. Value/remark
24714. Signalling RB information to setup list	24715. Not Present
24716. RAB information for setup list	24717.
24718. - RAB information for setup	24719.
24720. - RAB info	24721.
24722. - RAB identity	24723. 0000 0001B
	24724. The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.
24725. - CN domain identity	24726. CS domain
24727. - NAS Synchronization Indicator	24728. Not Present
24729. - Re-establishment timer	24730. UseT314
24731. - RB information to setup	24732.
24733. - RB identity	24734. 10
24735. - PDCP info	24736. Not Present
24737. - CHOICE RLC info type	24738. RLC info
24739. - CHOICE Uplink RLC mode	24740. TM RLC
24741. - Transmission RLC discard	24742. Not Present
24743. - Segmentation indication	24744. FALSE
24745. - CHOICE Downlink RLC mode	24746. TM RLC
24747. - Segmentation indication	24748. FALSE
24749. - RB mapping info	24750.
24751. - Information for each multiplexing option	24752.
24753. - RLC logical channel mapping indicator	24754. Not Present
24755. - Number of uplink RLC logical channels	24756. 1
24757. - Uplink transport channel type	24758. DCH
24759. - UL Transport channel identity	24760. 1
24761. - Logical channel identity	24762. Not Present
24763. - CHOICE RLC size list	24764. Configured
24765. - MAC logical channel priority	24766. 6
24767. - Downlink RLC logical channel info	24768.
24769. - Number of downlink RLC logical channels	24770. 1

24674. Information Element	24675. Value/remark
24771. - Downlink transport channel type	24772. DCH
24773. - DL DCH Transport channel identity	24774. 6
24775. - DL DSCH Transport channel identity	24776. Not Present
24777. - Logical channel identity	24778. Not Present
24779. - RB identity	24780. 11
24781. - PDCP info	24782. Not Present
24783. - CHOICE RLC info type	24784. RLC info
24785. - CHOICE Uplink RLC mode	24786. TM RLC
24787. - Transmission RLC discard	24788. Not Present
24789. - Segmentation indication	24790. FALSE
24791. - CHOICE Downlink RLC mode	24792. TM RLC
24793. - Segmentation indication	24794. FALSE
24795. - RB mapping info	24796.
24797. - Information for each multiplexing option	24798.
24799. - RLC logical channel mapping indicator	24800. Not Present
24801. - Number of uplink RLC logical channels	24802. 1
24803. - Uplink transport channel type	24804. DCH
24805. - UL Transport channel identity	24806. 2
24807. - Logical channel identity	24808. Not Present
24809. - CHOICE RLC size list	24810. Configured
24811. - MAC logical channel priority	24812. 6
24813. - Downlink RLC logical channel info	24814.
24815. - Number of downlink RLC logical channels	24816. 1
24817. - Downlink transport channel type	24818. DCH
24819. - DL DCH Transport channel identity	24820. 7
24821. - DL DSCH Transport channel identity	24822. Not Present
24823. - Logical channel identity	24824. Not Present

24674. Information Element	24675. Value/remark
24825. - RB identity	24826. 12
24827. - PDCP info	24828. Not Present
24829. - CHOICE RLC info type	24830. RLC info
24831. - CHOICE Uplink RLC mode	24832. TM RLC
24833. - Transmission RLC discard	24834. Not Present
24835. - Segmentation indication	24836. FALSE
24837. - CHOICE Downlink RLC mode	24838. TM RLC
24839. - Segmentation indication	24840. FALSE
24841. - RB mapping info	24842.
24843. - Information for each multiplexing option	24844.
24845. - RLC logical channel mapping indicator	24846. Not Present
24847. - Number of uplink RLC logical channels	24848. 1
24849. - Uplink transport channel type	24850. DCH
24851. - UL Transport channel identity	24852. 3
24853. - Logical channel identity	24854. Not Present
24855. - CHOICE RLC size list	24856. Configured
24857. - MAC logical channel priority	24858. 6
24859. - Downlink RLC logical channel info	24860.
24861. - Number of downlink RLC logical channels	24862. 1
24863. - Downlink transport channel type	24864. DCH
24865. - DL DCH Transport channel identity	24866. 8
24867. - DL DSCH Transport channel identity	24868. Not Present
24869. - Logical channel identity	24870. Not Present
24871. RB information to be affected list	24872. Not Present
24873. Downlink counter synchronisation info	24874. Not Present
24875. UL Transport channel information for all transport channels	24876.
24877. - PRACH TFCS	24878. Not Present
24879. - CHOICE mode	24880. TDD

24674. Information Element	24675. Value/remark
24881. -Individual UL CCTrCH information	24882.
24883. - TFCS ID	24884. (This IE is repeated for TFC number.)
24885. - Allowed Transport Format combination	0 to MaxTFCvalue-1 (MaxTFCValue is refer to 24886. TS34.108 clause 6 Parameter Set.)
24887. - PRACH TFCS	24888. (This IE is repeated for TFC number.)
24889. - CHOICE TFCI signalling	24890. Normal
24891. - TFCI Field 1 information	24892.
24893. - TFCS complete reconfigure information	24894.
24895. - CHOICE TFCS Size	Number of used bits must be enough to cover all combinations of CTFC from clauses 6. 24896. Refer to TS34.108 clause 6 Parameter Set
24897. - CTFC information	24898. Not Present
24899. - CHOICE mode	24900. TDD
24901. - Individual UL CCTrCH information	24902. Not Present
24903. Deleted TrCH information list	**24904.** Not Present
24905. Added or Reconfigured TrCH information list	24906. 3 DCHs
24907. - Added or Reconfigured UL TrCH information	24908.
24909. - Uplink transport channel type	24910. DCH
24911. - UL Transport channel identity	24912. 1
24913. - TFS	24914.
24915. - CHOICE Transport channel type	24916. Dedicated transport channels
24917. - Dynamic Transport format information	24918.
24919. - RLC Size	24920. Reference to TS34.108 clause 6 Parameter Set
24921. - Number of TBs and TTI List	24922. (This IE is repeated for TFI number.)
24923. - Transmission Time Interval	24924. Not Present
24925. - Number of Transport blocks	24926. Reference to TS34.108 clause 6 Parameter Set
24927. - CHOICE Logical Channel list	24928. All
24929. - Semi-static Transport Format	24930.

24674. Information Element	24675. Value/remark
information	
24931. - Transmission time interval	24932. Reference to TS34.108 clause 6 Parameter Set
24933. - Type of channel coding	24934. Reference to TS34.108 clause 6 Parameter Set
24935. - Coding Rate	24936. Reference to TS34.108 clause 6 Parameter Set
24937. - Rate matching attribute	24938. Reference to TS34.108 clause 6 Parameter Set
24939. - CRC size	24940. Reference to TS34.108 clause 6 Parameter Set
24941. - Uplink transport channel type	24942. DCH
24943. - UL Transport channel identity	24944. 2
24945. - TFS	24946.
24947. - CHOICE Transport channel type	24948. Dedicated transport channels
24949. - Dynamic Transport format information	24950.
24951. - RLC Size	24952. Reference to TS34.108 clause 6 Parameter Set
24953. - Number of TBs and TTI List	24954. (This IE is repeated for TFI number.)
24955. - Transmission Time Interval	24956. Not Present
24957. - Number of Transport blocks	24958. Reference to TS34.108 clause 6 Parameter Set
24959. - Transmission Time Interval	24960. Reference to TS34.108 clause 6 Parameter Set
24961. - Number of Transport blocks	24962. (This IE is repeated for TFI number.)
24963. - CHOICE Logical Channel list	24964. All
24965. - Semi-static Transport Format information	24966.
24967. - Transmission time interval	24968. Reference to TS34.108 clause 6 Parameter Set
24969. - Type of channel coding	24970. Reference to TS34.108 clause 6 Parameter Set
24971. - Coding Rate	24972. Reference to TS34.108 clause 6 Parameter Set
24973. - Rate matching attribute	24974. Reference to TS34.108 clause 6 Parameter Set
24975. - CRC size	24976. Reference to TS34.108 clause 6 Parameter Set

24674. Information Element	24675. Value/remark
24977. - Uplink transport channel type	24978. DCH
24979. - UL Transport channel identity	24980. 3
24981. - TFS	24982.
24983. - CHOICE Transport channel type	24984. Dedicated transport channels
24985. - Dynamic Transport format information	24986.
24987. - RLC Size	24988. Reference to TS34.108 clause 6 Parameter Set
24989. - Number of TBs and TTI List	24990. (This IE is repeated for TFI number.)
24991. - Transmission Time Interval	24992. Not Present
24993. - Number of Transport blocks	24994. Reference to TS34.108 clause 6 Parameter Set
24995. - Transmission Time Interval	24996. Reference to TS34.108 clause 6 Parameter Set
24997. - Number of Transport blocks	24998. (This IE is repeated for TFI number.)
24999. - CHOICE Logical Channel list	25000. All
25001. - Semi-static Transport Format information	25002.
25003. - Transmission time interval	25004. Reference to TS34.108 clause 6 Parameter Set
25005. - Type of channel coding	25006. Reference to TS34.108 clause 6 Parameter Set
25007. - Coding Rate	25008. Reference to TS34.108 clause 6 Parameter Set
25009. - Rate matching attribute	25010. Reference to TS34.108 clause 6 Parameter Set
25011. - CRC size	25012. Reference to TS34.108 clause 6 Parameter Set
25013. CHOICE mode	25014. TDD (no data)
25015. DL Transport channel information common for all transport channel	25016.
25017. - SCCPCH TFCS	25018. Not Present
25019. - CHOICE mode	25020. TDD
25021. - CHOICE DL parameters	25022. Same as UL
25023. Deleted TrCH information list	25024. Not Present
25025. Added or Reconfigured TrCH information list	25026. 3 DCHs
25027. Added or Reconfigured DL TrCH	25028.

ETSI

24674. Information Element	24675. Value/remark
information	
25029. - Downlink transport channel type	25030. DCH
25031. - DL Transport channel identity	25032. 6
25033. - CHOICE DL parameters	25034. Same as UL
25035. - Uplink transport channel type	25036. DCH
25037. - UL TrCH identity	25038. 1
25039. - DCH quality target	25040.
25041. - BLER Quality value	25042. -6.3
25043. - Downlink transport channel type	25044. DCH
25045. - DL Transport channel identity	25046. 7
25047. - CHOICE DL parameters	25048. Same as UL
25049. - Uplink transport channel type	25050. DCH
25051. - UL TrCH identity	25052. 2
25053. - DCH quality target	25054.
25055. - BLER Quality value	25056. Not Present
25057. - Downlink transport channel type	25058. DCH
25059. - DL Transport channel identity	25060. 8
25061. - CHOICE DL parameters	25062. Same as UL
25063. - Uplink transport channel type	25064. DCH
25065. - UL TrCH identity	25066. 3
25067. - DCH quality target	25068.
25069. - BLER Quality value	25070. Not Present
25071. Frequency info	25072.
25073. - UARFCN Nt)	25074. Reference to clause 5.1 Test frequencies
25075. Maximum allowed UL TX power	25076. 30dBm
25077. CHOICE channel requirement	25078. Uplink DPCH info
25079. - Uplink DPCH power control info	25080.
25081. - CHOICE mode	25082. TDD
- UL Target SIR - CHOICE UL OL PC info 25083. - CHOICE TDD option	Reference to TS34.108 Parameter set. Individually signalled 25084. 1.28 Mcps
25085. - TPC step size	25086. 1 dB
25087. - Primary CCPCH Tx Power	25088. Not Present

24674. Information Element	24675. Value/remark
25089. - CHOICE mode	25090. TDD
25091. - Uplink Timing Advance Control	25092. Not Present
25093. - UL CCTrCH List	25094.
25095. - TFCS Id	25096. 1
25097. - Time info	25098.
25099. - Activation time	25100. (256+CFN-(CFN MOD 8 + 8))MOD 256
25101. - Duration	25102. infinite
25103. - Common timeslot info	25104.
25105. - 2nd interleaving mode	25106. Reference to TS34.108 clause 6 Parameter Set.
- TFCI coding - Puncturing Limit	Reference to TS34.108 clause 6 Parameter set. Reference to TS34.108 clause 6 Parameter set.
25107. - Repetition Period	25108. Reference to TS34.108 clause 6 Parameter set.
25109. - Repetition Length	25110. Reference to TS34.108 clause 6 Parameter set.
25111. - Uplink DPCH timeslots and code	25112.
25113. - First individual timeslot info	25114. The number of an uplink timeslot that has unassigned codes.
25115. - Timeslot number	25116.
- TFCI existence	TRUE
- Midamble shift and burst type	
- CHOICE TDD option	1.28 Mcps
25117. - Midamble allocation mode	25118. Default
25119. - Midamble configuration	25120. 16
25121. - CHOICE TDD option	25122. 1.28 Mcps TDD
25123. - Modulation	25124. QPSK
25125. - SS-TPC Symbols	25126. 1
25127. - First timeslot channelisation codes	25128. Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set.
25129. - Channelisation code	25130. (i/SF) where i denotes an unassigned code matching the SF specified in TS34.108 clause 6 Parameter Set.
- CHOICE more timeslots	25131. The presence of this IE depends upon the number of resources specified in TS34.108 section 6 and the number of slots in which they are being assigned.

24674. Information Element	24675. Value/remark
25132. CHOICE Mode	25133. TDD
25134. Downlink information common for all radio links	25135.
25136. - Downlink DPCH info common for all RL	25137.
25138. - Timing indicator	25139. Maintain
- CFN-targetSFN frame offset	Not Present
- Downlink DPCH power control information	
25140. - CHOICE mode	25141. TDD
25142. - TPC step size	25143. 1 dB
25144. - CHOICE mode	25145. TDD
25146. - CHOICE TDD option	25147. 1.28 Mcps
25148. - TSTD indicator	25149. TRUE
25150. - Default DPCH offset value	25151. 0
25152. - Downlink information for each radio link	25153.
25154. - Choice mode	25155. TDD
25156. - Primary CCPCH info	25157.
25158. - CHOICE TDD option	25159. 1.28 Mcps
25160. - TSTD indicator	25161. TRUE
25162. - Cell parameters ID	25163. 0
25164. - Block STTD indicator	25165. FALSE
25166. - Downlink DPCH info for each RL	25167.
25168. - CHOICE mode	25169. TDD
25170. - DL CCTrCH List	25171.
25172. - TFCS ID	25173. 1
25174. - Time info	25175.
25176. - Activation time	25177. (256+CFN-(CFN mod 8 + 8))mod 256
25178. - Duration	25179. infinite
25180. - Common timeslot info	25181.
25182. - 2nd interleaving mode	25183. Reference to TS34.108
25184. - TFCI coding	25185. TRUE
25186. - Puncturing limit	25187. Reference to TS34.108 clause 6 Parameter set
25188. - Repetition period	25189. 1
25190. - Repetition length	25191. Empty

24674. Information Element	24675. Value/remark
25192. - Downlink DPCH timeslots and codes	25193.
25194. - Individual timeslot info	25195.
25196. - Timeslot number	The number of a downlink timeslot that has 25197. unassigned codes.
25198. - TFCI existence	25199. TRUE
25200. - Midamble shift and burst type	25201.
25202. - CHOICE TDD option	25203. 1.28 Mcps
25204. -Midamble Allocation Mode	25205. Default
25206. - Midamble configuration	25207. 16
25208. - CHOICE TDD option	25209. 1.28 Mcps
25210. - Modulation	25211. QPSK
25212. - SS-TPC Symbols	25213. 1
25214. - First timeslot channelisation codes	25215.
25216. - First channelisation code	(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in 25217. TS34.108 clause 6 Parameter Set..
25218. - Last channelisation code	(j/SF) where j is the highest numbered code 25219. that is being assigned in the slot.
25220. - Bitmap	Bitmap of the codes that are being assigned in 25221. the slot.
25222. - 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 25223. have been assigned in the first timeslot..
25224. - UL CCTrCH TPC List	25225. Not Present
25226. -SCCPCH information for FACH	25227. Not Present

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

25228. Information Element	25229. Value/remark
25230. Message Type	25231.
25232. RRC transaction identifier	25233. 0

25228. Information Element	25229. Value/remark
25234. Integrity check info	25235.
25236.　　- message authentication code	25237. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
25238.　　- RRC message sequence number	25239. SS provides the value of this IE, from its internal counter.
25240. Integrity protection mode info	25241. Not Present
25242. Ciphering mode info	25243. 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.
25244.　　- Ciphering mode command	25245. Start/restart
25246.　　- Ciphering algorithm	25247. Use one of the supported ciphering algorithms
25248.　　- Ciphering activation time for DPCH	25249. (256+CFN-(CFN MOD 8 + 8))MOD 256
25250.　　　　- Radio bearer downlink ciphering activation time info	25251. Not Present
25252. Activation time	25253. (256+CFN-(CFN MOD 8 + 8))MOD 256
25254. New U-RNTI	25255. Not Present
25256. New C-RNTI	25257. Not Present
New DSCH-RNTI	25258. Not Present
25259. RRC State indicator	25260. CELL_DCH
25261. UTRAN DRX cycle length coefficient	25262. Not Present
25263. CN information info	25264. Not Present
25265. URA identity	25266. Not Present
25267. Signalling RB information to setup	25268. Not Present
25269. RAB information for setup	25270.
25271.　　- RAB info	25272.
25273.　　- RAB identity	25274. 0000 0101B
	25275. The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.
25276.　　- CN domain identity	25277. PS domain
25278.　　- NAS Synchronization Indicator	25279. Not Present
25280.　　- Re-establishment timer	25281. UseT314

25228. Information Element	25229. Value/remark
25282. - RB information to setup	25283.
25284. - RB identity	25285. 20
25286. - PDCP info	25287. Not Present
25288. - CHOICE RLC info type	25289. RLC info
25290. - CHOICE Uplink RLC mode	25291. AM RLC
25292. - Transmission RLC discard	25293.
25294. - SDU discard mode	25295. No Discard
25296. - MAX_DAT	25297. 15
25298. - Transmission window size	25299. 128
25300. - Timer_RST	25301. 500
25302. - Max_RST	25303. 4
25304. - Polling info	25305.
25306. - Timer_poll_prohibit	25307. 200
25308. - Timer_poll	25309. 200
25310. - Poll_PDU	25311. Not Present
25312. - Poll_SDU	25313. 1
25314. - Last transmission PDU poll	25315. TRUE
25316. - Last retransmission PDU poll	25317. TRUE
25318. - Poll_Windows	25319. 99
25320. - Timer_poll_periodic	25321. Not Present
25322. - CHOICE Downlink RLC mode	25323. AM RLC
25324. - In-sequence delivery	25325. TRUE
25326. - Receiving window size	25327. 128
25328. - Downlink RLC status info	25329.
25330. - Timer_status_prohibit	25331. 200
25332. - Timer_EPC	25333. Not Present
25334. - Missing PDU indicator	25335. TRUE
25336. - Timer_STATUS_periodic	25337. Not Present
25338. - RB mapping info	25339.
25340. - Information for each multiplexing option	25341. 2 RBMuxOptions
25342. - RLC logical channel mapping indicator	25343. Not Present
25344. - Number of uplink RLC logical channels	25345. 1

25228. Information Element	25229. Value/remark
25346. - Uplink transport channel type	25347. DCH
25348. - UL Transport channel identity	25349. 1
25350. - Logical channel identity	25351. Not Present
25352. - CHOICE RLC size list	25353. Configured
25354. - MAC logical channel priority	25355. 8
25356. - Downlink RLC logical channel info	25357.
25358. - Number of downlink RLC logical channels	25359. 1
25360. - Downlink transport channel type	25361. DCH
25362. - DL DCH Transport channel identity	25363. 6
25364. - DL DSCH Transport channel identity	25365. Not Present
25366. - Logical channel identity	25367. Not Present
25368. - RLC logical channel mapping indicator	25369. Not Present
25370. - Number of uplink RLC logical channels	25371. 1
25372. - Uplink transport channel type	25373. RACH
25374. - UL Transport channel identity	25375. Not Present
25376. - Logical channel identity	25377. 7
25378. - CHOICE RLC size list	25379. Explicit List
25380. - RLC size index	25381. Reference to TS34.108 clause 6 Parameter Set
25382. - MAC logical channel priority	25383. 8
25384. - Downlink RLC logical channel info	25385.
25386. - Number of downlink RLC logical channels	25387. 1
25388. - Downlink transport channel type	25389. FACH
25390. - DL DCH Transport channel identity	25391. Not Present
25392. - DL DSCH Transport channel identity	25393. Not Present
25394. - Logical channel identity	25395. 7
25396. RB information to be affected list	25397. Not Present

25228. Information Element	25229. Value/remark
25398. Downlink counter synchronisation info	25399. Not Present
25400. UL Transport channel information for all transport channels	25401.
25402. - PRACH TFCS	25403. Not Present
25404. - CHOICE mode	25405. TDD
25406. -Individual UL CCTrCH information	25407.
25408. - TFCS ID	25409. (This IE is repeated for TFC number.)
25410. - Allowed Transport Format combination	0 to MaxTFCvalue-1 (MaxTFCValue is refer to 25411. TS34.108 clause 6 Parameter Set.)
25412. - PRACH TFCS	25413. (This IE is repeated for TFC number.)
25414. - CHOICE TFCI signalling	25415. Normal
25416. - TFCI Field 1 information	25417.
25418. - TFCS complete reconfigure information	25419.
25420. - CHOICE TFCS Size	Number of used bits must be enough to cover all combinations of CTFC from clauses 6. 25421. Refer to TS34.108 clause 6 Parameter Set
25422. - CTFC information	25423. Not Present
25424. - CHOICE mode	25425. TDD
25426. - Individual UL CCTrCH information	25427. Not Present
25428. Deleted TrCH information list	**25429.** Not Present
25430. Added or Reconfigured TrCH information list	25431.
25432. - Added or Reconfigured UL TrCH information	25433.
25434. - Uplink transport channel type	25435. DCH
25436. - UL Transport channel identity	25437. 1
25438. - TFS	25439.
25440. - CHOICE Transport channel type	25441. Dedicated transport channels
25442. - Dynamic Transport format information	25443.
25444. - RLC Size	25445. Reference to TS34.108 clause 6.10 Parameter Set
25446. - Number of TBs and TTI List	25447. (This IE is repeated for TFI number.)
25448. - Transmission Time Interval	25449. Not Present

25228. Information Element	25229. Value/remark
25450. - Number of Transport blocks	25451. Reference to TS34.108 clause 6.10 Parameter Set
25452. - CHOICE Logical Channel list	25453. All
25454. - Semi-static Transport Format information	25455.
25456. - Transmission time interval	25457. Reference to TS34.108 clause 6.10 Parameter Set
25458. - Type of channel coding	25459. Reference to TS34.108 clause 6.10 Parameter Set
25460. - Coding Rate	25461. Reference to TS34.108 clause 6.10 Parameter Set
25462. - Rate matching attribute	25463. Reference to TS34.108 clause 6.10 Parameter Set
25464. - CRC size	25465. Reference to TS34.108 clause 6.10 Parameter Set
25466. CHOICE mode	25467. TDD (no data)
25468. DL Transport channel information common for all transport channel	25469.
25470. - SCCPCH TFCS	25471. Not Present
25472. - CHOICE mode	25473. TDD

- Individual DL CCTrCH information
 - DL TFCS Identity
  - TFCS Id
  - Shared Channel Indicator
 - CHOICE DL parameters
 - DL DCH TFCS
  - CHOICE TFCI signalling
  - TFCI Field 1 information
   - CHOICE TFCS representation
    - TFCS complete reconfigure information
    - CHOICE CTFC Size
	
	1
	FALSE
	Independent
	(This IE is repeated for TFC number.)
	Normal
	
	Complete
	
	Refer to TS34.108 clause 6.

25474. - CTFC information	25475. Refer to TS34.108 clause 6.
25476. Added or Reconfigured TrCH information list	25477.
25478. - Added or Reconfigured DL TrCH information	25479.
25480. - Downlink transport channel type	25481. DCH
25482. - DL Transport channel identity	25483. 6
25484. - CHOICE DL parameters	25485. Explicit
25486. - TFS	25487.
25488. - CHOICE Transport channel type	25489. Dedicated transport channels

25228. Information Element	25229. Value/remark
25490. - Dynamic Transport format information	25491. (This IE is repeated for TFI number)
25492. - RLC Size	25493. Reference to TS34.108 clause 6.10 Parameter Set
25494. - Number of TBs and TTI List	25495. (This IE is repeated for TFI number.)
25496. - Transmission Time Interval	25497. Not Present
25498. - Number of Transport blocks	25499. Reference to TS34.108 clause 6.10 Parameter Set
25500. - CHOICE Logical Channel list	25501. ALL
25502. - Semi-static Transport Format information	25503.
25504. - Transmission time interval	25505. Reference to TS34.108 clause 6.10 Parameter Set
25506. - Type of channel coding	25507. Reference to TS34.108 clause 6.10 Parameter Set
25508. - Coding Rate	25509. Reference to TS34.108 clause 6.10 Parameter Set
25510. - Rate matching attribute	25511. Reference to TS34.108 clause 6.10 Parameter Set
25512. - CRC size	25513. Reference to TS34.108 clause 6.10 Parameter Set
25514. - DCH quality target	25515.
25516. - BLER Quality value	25517. -6.3
25518. Frequency info	25519.
25520. -CHOICE mode	25521. TDD
25522. - UARFCN (Nt)	25523. Reference to clause 5.1 Test frequencies
25524. Maximum allowed UL TX power	25525. 30 dBm
25526. CHOICE channel requirement	25527. Uplink DPCH info
25528. - Uplink DPCH power control info	25529.
25530. - CHOICE mode	25531. TDD
25532. - UL Target SIR	25533. Reference to TS34.108 Parameter set.
25534. - CHOICE UL OL PC info	25535. Individually signalled

- CHOICE TDD option
   - Individual timeslot interference info
    - Individual timeslot interference
    - DPCH Constant Value
	3.84 Mcps
	
	Values are used for open loop power control, section 8 in TS 25.331

- CHOICE mode	TDD

25228. Information Element	25229. Value/remark
25536. - Uplink Timing Advance Control	25537. Not Present
25538. - UL CCTrCH List	25539.
25540. - TFCS Id	25541. 1
25542. - Time info	25543.
25544. - Activation time	25545. (256+CFN-(CFN MOD 8 + 8))MOD 256
25546. - Duration	25547. Infinite
25548. - Common timeslot info	25549.
25550. - 2$_{nd}$ interleaving mode	25551. Reference to TS34.108 clause 6.10 Parameter Set
25552. - TFCI coding	25553. Reference to TS34.108 clause 6.10 Parameter Set
25554. - Puncturing Limit	25555. Reference to TS34.108 clause 6.10 Parameter Set
25556. - Repetition Period	25557. Reference to TS34.108 clause 6.10 Parameter Set
25558. - Repetition Length	25559. Reference to TS34.108 clause 6.10 Parameter Set
25560. - First individual timeslot info	25561.
25562. - Timeslot number	The number of an uplink timeslot that has 25563. unassigned codes.
25564. - TFCI existence	25565. TRUE
25566. - Midamble shift and burst type	25567.
25568. - CHOICE TDD option	25569. 3.84 Mcps
25570. -CHOICE Burst Type	25571.
25572. -Type 1	25573.
25574. -Midamble Allocation Mode	25575. Default
25576. - Midamble configuration burst type 1 and 3	25577. As defined in 3GPP TS 25.221
25578. - First timeslot channelisation codes	25579. Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set.
25580. - Channelisation code	(i/SF) where i denotes an unassigned code matching the SF specified in TS34.108 clause 25581. 6 Parameter Set.

25228. Information Element	25229. Value/remark
25582. - CHOICE more timeslots	The presence of this IE depends upon the number of resources specified in TS34.108 section 6 and the number of slots in which they 25583. are being assigned.
25584. Downlink information common for all radio links	25585.
25586. - Downlink DPCH info common for all RL	25587.
25588. - Timing indicator	25589. Maintain
25590. - CFN-targetSFN frame offset	25591. Not Present
25592. - Downlink DPCH power control information	25593.
25594. - DPC mode	25595. 0 (single)
25596. - CHOICE mode	25597. TDD
25598. - CHOICE TDD option	25599. 3.84 Mcps (no data)
25600. - Default DPCH Offset Value	25601. Not Present
25602. Downlink information for each radio link list	25603.
25604. - Downlink information for each radio link	25605.
25606. - Choice mode	25607. TDD
25608. - Primary CCPCH info	25609.
25610. - CHOICE *SyncCase*	25611. Sync Case 1
25612. - Timeslot	25613. PCCPCH timeslot
25614. - Cell parameters ID	25615. 0
25616. - SCTD indicator	25617.
25618. - Downlink DPCH info for each RL	25619.
25620. - CHOICE mode	25621. TDD
25622. - DL CCTrCH List	25623.
25624. - TFCS ID	25625. 1
25626. - Time info	25627.
25628. - Activation time	25629. (256+CFN-(CFN mod 8 + 8))mod 256
25630. - Duration	25631. infinite
25632. - Common timeslot info	25633.
25634. - 2nd interleaving mode	25635. Reference to TS34.108
25636. - TFCI coding	25637. TRUE

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25228. Information Element	25229. Value/remark
25638.　　　　- Puncturing limit	25639. Reference to TS34.108 clause 6 Parameter set
25640.　　　　- Repetition period	25641. 1
25642.　　　　- Repetition length	25643. Empty
25644.　　　　- Downlink DPCH timeslots and codes	25645.
25646.　　　　- Individual timeslot info	25647.
25648.　　　　- Timeslot number	The number of a downlink timeslot that has 25649. unassigned codes.
25650.　　　　- TFCI existence	25651. TRUE
25652.　　　　- Midamble shift and burst type	25653.
25654.　　　　- CHOICE TDD option	25655. 3.84 Mcps
25656.　　　　**-**CHOICE Burst Type	25657.
25658.　　　　**-**Type 1	25659.
25660.　　　　-Midamble Allocation Mode	25661. Default
25662.　　　　- Midamble configuration burst type 1 and 3	25663. As defined in 3GPP TS 25.221
25664.　　　　- First timeslot channelisation codes	25665.
25666.　　　　- First channelisation code	(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in 25667. TS34.108 clause 6 Parameter Set..
25668.　　　　- Last channelisation code	(j/SF) where j is the highest numbered code that is being assigned in the slot.
25669.　　　　- Bitmap	Bitmap of the codes that are being assigned in the slot.
25670.　　　　- 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..
25671.　　　　- UL CCTrCH TPC List	Not Present
25672.　　　　-SCCPCH information for FACH	Not Present

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

25673. Information Element	25674. Value/remark

25673. Information Element	25674. Value/remark
25675. Message Type	25676.
25677. RRC transaction identifier	25678.
25679. Integrity check info	25680.
25681. - message authentication code	25682. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
25683. - RRC message sequence number	25684. SS provides the value of this IE, from its internal counter.
25685. Integrity protection mode info	25686. Not Present
25687. Ciphering mode info	25688. 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.
25689. - Ciphering mode command	25690. Start/restart
25691. - Ciphering algorithm	25692. Use one of the supported ciphering algorithms
25693. - Ciphering activation time for DPCH	25694. (256+CFN-(CFN MOD 8 + 8))MOD 256
25695. - Radio bearer downlink ciphering activation time info	25696. Not Present
25697. Activation time	25698. (256+CFN-(CFN MOD 8 + 8))MOD 256
25699. New U-RNTI	25700. Not Present
25701. New C-RNTI	25702. Not Present
25703. New DSCH-RNTI	25704. Not Present
25705. RRC State indicator	25706. CELL_DCH
25707. UTRAN DRX cycle length coefficient	25708. Not Present
25709. CN information info	25710. Not Present
25711. URA identity	25712. Not Present
25713. Signalling RB information to setup	25714. Not Present
25715. RAB information for setup	25716.
25717. - RAB info	25718.
25719. - RAB identity	25720. 0000 0101B
	25721. The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.
25722. - CN domain identity	25723. PS domain

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25673. Information Element	25674. Value/remark
25724. - NAS Synchronization Indicator	25725. Not Present
25726. - Re-establishment timer	25727. UseT314
25728. - RB information to setup	25729.
25730. - RB identity	25731. 20
25732. - PDCP info	25733. Not Present
25734. - CHOICE RLC info type	25735. RLC info
25736. - CHOICE Uplink RLC mode	25737. AM RLC
25738. - Transmission RLC discard	25739.
25740. - SDU discard mode	25741. Max DAT retransmissions
25742. - MAX_DAT	25743. 4
25744. - Timer_MRW	25745. 100
25746. - MaxMRW	25747. 4
25748. - Transmission window size	25749. 8
25750. - Timer_RST	25751. 500
25752. - Max_RST	25753. 4
25754. - Polling info	25755.
25756. - Timer_poll_prohibit	25757. 200
25758. - Timer_poll	25759. 200
25760. - Poll_SDU	25761. 1
25762. - Last transmission PDU poll	25763. TRUE
25764. - Last retransmission PDU poll	25765. TRUE
25766. - Poll_Windows	25767. 99
25768. - Timer_poll_periodic	25769. Not Present
25770. - CHOICE Downlink RLC mode	25771. AM RLC
25772. - In-sequence delivery	25773. TRUE
25774. - Receiving window size	25775. 8
25776. - Downlink RLC status info	25777.
25778. - Timer_status_prohibit	25779. 200
25780. - Timer_EPC	25781. 200
25782. - Missing PDU indicator	25783. TRUE
25784. - Timer_STATUS_periodic	25785. Not Present
25786. - RB mapping info	25787.
25788. - Information for each multiplexing option	25789. 2 RBMuxOptions

25673. Information Element	25674. Value/remark
25790. - RLC logical channel mapping indicator	25791. Not Present
25792. - Number of uplink RLC logical channels	25793. 1
25794. - Uplink transport channel type	25795. DCH
25796. - UL Transport channel identity	25797. 1
25798. - Logical channel identity	25799. Not Present
25800. - CHOICE RLC size list	25801. Configured
25802. - MAC logical channel priority	25803. 8
25804. - Downlink RLC logical channel info	25805.
25806. - Number of downlink RLC logical channels	25807. 1
25808. - Downlink transport channel type	25809. DCH
25810. - DL DCH Transport channel identity	25811. 6
25812. - DL DSCH Transport channel identity	25813. Not Present
25814. - Logical channel identity	25815. Not Present
25816. - RLC logical channel mapping indicator	25817. Not Present
25818. - Number of uplink RLC logical channels	25819. 1
25820. - Uplink transport channel type	25821. RACH
25822. - UL Transport channel identity	25823. Not Present
25824. - Logical channel identity	25825. 7
25826. - CHOICE RLC size list	25827. Explicit List
25828. - RLC size index	25829. Reference to TS34.108 clause 6 Parameter Set
25830. - MAC logical channel priority	25831. 8
25832. - Downlink RLC logical channel info	25833.
25834. - Number of downlink RLC logical channels	25835. 1
25836. - Downlink transport channel type	25837. FACH
25838. - DL DCH Transport channel identity	25839. Not Present

25673. Information Element	25674. Value/remark
25840. - DL DSCH Transport channel identity	25841. Not Present
25842. - Logical channel identity	25843. 7
25844. RB information to be affected list	25845. Not Present
25846. Downlink counter synchronisation info	25847. Not Present
25848. UL Transport channel information for all transport channels	25849.
25850. - PRACH TFCS	25851. Not Present
25852. - CHOICE mode	25853. TDD
25854. -Individual UL CCTrCH information	25855.
25856. - TFCS ID	25857. (This IE is repeated for TFC number.)
25858. - Allowed Transport Format combination	0 to MaxTFCvalue-1 (MaxTFCValue is refer to 25859. TS34.108 clause 6 Parameter Set.)
25860. - PRACH TFCS	25861. (This IE is repeated for TFC number.)
25862. - CHOICE TFCI signalling	25863. Normal
25864. - TFCI Field 1 information	25865.
25866. - TFCS complete reconfigure information	25867.
25868. - CHOICE TFCS Size	Number of used bits must be enough to cover all combinations of CTFC from clauses 6. 25869. Refer to TS34.108 clause 6 Parameter Set
25870. - CTFC information	25871. Not Present
25872. - CHOICE mode	25873. TDD
25874. - Individual UL CCTrCH information	25875. Not Present
25876. Deleted TrCH information list	**25877.** Not Present
25878. Added or Reconfigured TrCH information list	25879.
25880. - Added or Reconfigured UL TrCH information	25881.
25882. - Uplink transport channel type	25883. DCH
25884. - UL Transport channel identity	25885. 1
25886. - TFS	25887.
25888. - CHOICE Transport channel type	25889. Dedicated transport channels
25890. - Dynamic Transport format information	25891.

25673. Information Element	25674. Value/remark
25892. - RLC Size	25893. Reference to TS34.108 clause 6 Parameter Set
25894. - Number of TBs and TTI List	25895. (This IE is repeated for TFI number.)
25896. - Transmission Time Interval	25897. Not Present
25898. - Number of Transport blocks	25899. Reference to TS34.108 clause 6 Parameter Set
25900. - CHOICE Logical Channel list	25901. All
25902. - Semi-static Transport Format information	25903.
25904. - Transmission time interval	25905. Reference to TS34.108 clause 6 Parameter Set
25906. - Type of channel coding	25907. Reference to TS34.108 clause 6 Parameter Set
25908. - Coding Rate	25909. Reference to TS34.108 clause 6 Parameter Set
25910. - Rate matching attribute	25911. Reference to TS34.108 clause 6 Parameter Set
25912. - CRC size	25913. Reference to TS34.108 clause 6 Parameter Set
25914. CHOICE mode	25915. TDD (no data)
25916. DL Transport channel information common for all transport channel	25917.
25918. - SCCPCH TFCS	25919. Not Present
25920. - CHOICE mode	25921. TDD
25922. - Individual DL CCTrCH information	25923.

- DL TFCS Identity
  - TFCS Id
  - Shared Channel Indicator
	
	1
	FALSE

25924. - CHOICE DL parameters	25925. Independent
25926. - DL DCH TFCS	25927. (This IE is repeated for TFC number.)
25928. - CHOICE TFCI signalling	25929. Normal
25930. - TFCI Field 1 information	25931.
25932. - CHOICE TFCS representation	25933. Complete
25934. - TFCS complete reconfigure information	25935.
25936. - CHOICE CTFC Size	25937. Refer to TS34.108 clause 6.
25938. - CTFC information	25939. Refer to TS34.108 clause 6.
25940. Added or Reconfigured TrCH	25941.

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25673. Information Element	25674. Value/remark
information list	
25942. - Added or Reconfigured DL TrCH information	25943.
25944.　　- Downlink transport channel type	25945. DCH
25946.　　- DL Transport channel identity	25947. 6
25948.　　- CHOICE DL parameters	25949. Explicit
25950.　　- TFS	25951.
25952.　　- CHOICE Transport channel type	25953. Dedicated transport channels
25954.　　- Dynamic Transport format information	25955. (This IE is repeated for TFI number)
25956.　　- RLC Size	25957. Reference to TS34.108 clause 6 Parameter Set
25958.　　- Number of TBs and TTI List	25959. (This IE is repeated for TFI number.)
25960.　　　- Transmission Time Interval	25961. Not Present
25962.　　　- Number of Transport blocks	25963. Reference to TS34.108 clause 6 Parameter Set
25964.　　　- CHOICE Logical Channel list	25965. ALL
25966.　　- Semi-static Transport Format information	25967.
25968.　　　- Transmission time interval	25969. Reference to TS34.108 clause 6 Parameter Set
25970.　　　- Type of channel coding	25971. Reference to TS34.108 clause 6 Parameter Set
25972.　　　- Coding Rate	25973. Reference to TS34.108 clause 6 Parameter Set
25974.　　　- Rate matching attribute	25975. Reference to TS34.108 clause 6 Parameter Set
25976.　　　- CRC size	25977. Reference to TS34.108 clause 6 Parameter Set
25978.　　- DCH quality target	25979.
25980.　　　- BLER Quality value	25981. -6.3
25982. Frequency info	25983.
25984.　　-CHOICE mode	25985. TDD
25986.　　　- UARFCN (Nt)	25987. Reference to clause 5.1 Test frequencies
25988. Maximum allowed UL TX power	25989. 30 dBm
25990. CHOICE channel requirement	25991. Uplink DPCH info
25992.　　- Uplink DPCH power control	25993.

25673. Information Element	25674. Value/remark
info	
25994. - CHOICE mode	25995. TDD
25996. - UL Target SIR	25997. Reference to TS34.108 Parameter set.
25998. - CHOICE UL OL PC info	25999. Individually signaled

- CHOICE TDD option
   - TPC step size
   - Primary CCPCH Tx Power
- CHOICE mode
	1.28 Mcps
	1 dB
	Not Present
	TDD

26000. - Uplink Timing Advance Control	26001. Not Present
26002. - UL CCTrCH List	26003.
26004. - TFCS Id	26005. 1
26006. - Time info	26007.
26008. - Activation time	26009. (256+CFN-(CFN MOD 8 + 8))MOD 256
26010. - Duration	26011. Infinite
26012. - Common timeslot info	26013.
26014. - 2nd interleaving mode	26015. Reference to TS34.108 clause 6 Parameter Set
26016. - TFCI coding	26017. Reference to TS34.108 clause 6 Parameter Set
26018. - Puncturing Limit	26019. Reference to TS34.108 clause 6 Parameter Set
26020. - Repetition Period	26021. Reference to TS34.108 clause 6 Parameter Set
26022. - Repetition Length	26023. Reference to TS34.108 clause 6 Parameter Set
26024. - First individual timeslot info	26025.
26026. - Timeslot number	The number of an uplink timeslot that has 26027. unassigned codes.
26028. - TFCI existence	26029. TRUE
26030. - Midamble shift and burst type	26031.
26032. - CHOICE TDD option	1.28 Mcps
26033. - Midamble allocation mode	26034. Default
26035. - Midamble configuration	26036. 16
26037. - CHOICE TDD option	26038. 1.28 Mcps TDD

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25673. Information Element	**25674. Value/remark**
26039. - Modulation	26040. QPSK
26041. - SS-TPC Symbols	26042. 1
26043. - First timeslot channelisation codes	26044. Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set.
26045. - Channelisation code	(i/SF) where i denotes an unassigned code matching the SF specified in TS34.108 clause 26046. 6 Parameter Set.
26047. - CHOICE more timeslots	The presence of this IE depends upon the number of resources specified in TS34.108 section 6 and the number of slots in which they 26048. are being assigned.
26049. Downlink information common for all radio links	26050.
26051. - Downlink DPCH info common for all RL	26052.
26053. - Timing indicator	26054. Maintain
26055. - CFN-targetSFN frame offset	26056. Not Present
26057. - Downlink DPCH power control information	26058.
26059. - DPC mode	26060. 0 (single)
26061. - CHOICE mode	26062. TDD
26063. - TPC step size	26064. 1 dB
26065. - CHOICE mode	26066. TDD
26067. - CHOICE TDD option	26068. 1.28 Mcps
26069. - TSTD indicator	26070. TRUE
26071. - Default DPCH Offset Value	26072. Not Present
26073. Downlink information for each radio link list	26074.
26075. - Downlink information for each radio link	26076.
26077. - Choice mode	26078. TDD
26079. - Primary CCPCH info	26080.
26081. - CHOICE mode	26082. TDD
26083. - CHOICE TDD option	26084. 1.28 Mcps
26085. - TSTD indicator	26086. TRUE
26087. - Cell parameters ID	26088. 0
26089. - Block STTD indicator	26090. FALSE

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25673. Information Element	25674. Value/remark
26091. - Downlink DPCH info for each RL	26092.
26093. - CHOICE mode	26094. TDD
26095. - DL CCTrCH List	26096.
26097. - TFCS ID	26098. 1
26099. - Time info	26100.
26101. - Activation time	26102. (256+CFN-(CFN mod 8 + 8))mod 256
26103. - Duration	26104. infinite
26105. - Common timeslot info	26106.
26107. - 2nd interleaving mode	26108. Reference to TS34.108
26109. - TFCI coding	26110. TRUE
26111. - Puncturing limit	26112. Reference to TS34.108 clause 6 Parameter set
26113. - Repetition period	26114. 1
26115. - Repetition length	26116. Empty
26117. - Downlink DPCH timeslots and codes	26118.
26119. - Individual timeslot info	26120.
26121. - Timeslot number	The number of a downlink timeslot that has 26122. unassigned codes.
26123. - TFCI existence	26124. TRUE
26125. - Midamble shift and burst type	26126.
26127. -CHOICE TDD option	1.28 Mcps
26128.	26129.
26130. -Midamble Allocation Mode	26131. Default
26132. - Midamble configuration	26133. 16
26134. - CHOICE TDD option	26135. 1.28 Mcps TDD
26136. - Modulation	26137. QPSK
26138. - SS-TPC Symbols	26139. 1
26140. - First timeslot channelisation codes	26141.
26142. - First channelisation code	(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in 26143. TS34.108 clause 6 Parameter Set..

25673. Information Element	25674. Value/remark
26144. - Last channelisation code	(j/SF) where j is the highest numbered code that is being assigned in the slot.
26145. - Bitmap	Bitmap of the codes that are being assigned in the slot.
26146. - 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..
26147. - UL CCTrCH TPC List	Not Present
26148. -SCCPCH information for FACH	Not Present

Contents of RADIO BEARER SETUP COMPLETE message: AM

26149. Message Type	26150.
26151. RRC transaction identifier	26152. Checked to see if the value is identical to the same IE in the downlink RADIO BEARER SETUP message.
26153. Integrity check info	26154.
26155. - Message authentication code	26156. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
26157. - RRC Message sequence number	26158. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
26159. Uplink integrity protection activation info	26160. Not checked.
26161. CHOICE mode	26162. TDD
26163. START	26164. Not checked
26165. COUNT-C activation time	26166. 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.
26167. Radio bearer uplink ciphering activation time info	26168. 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.
26169. Uplink counter synchronisation info	26170. Not checked
26171.	26172.

Contents of RADIO BEARER RELEASE COMPLETE message: AM

26173. Message Type	26174.
26175. RRC transaction identifier	26176. Checked to see the value is identical to the same IE in the downlink RADIO BEARER RELEASE message.
26177. Integrity check info	26178.
26179. - Message authentication code	26180. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
26181. - RRC Message sequence number	26182. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
26183. Uplink integrity protection activation info	26184. Not checked.
26185. CHOICE mode	26186. TDD
26187. COUNT-C activation time	26188. 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.
26189. Radio bearer uplink ciphering activation time info	26190. 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.
26191. Uplink counter synchronisation info	26192. Not checked
26193.	26194.

Contents of RRC CONNECTION REQUEST message: TM

26195. Information Element	26196. Value/remark
26197. Message Type	26198.
26199. Initial UE identity	26200.
26201. - CHOICE UE id type	26202.
26203. - IMSI (GSM-MAP)	26204. Set to the UE's IMSI (GSM-MAP) or TMSI.
26205. Establishment cause	26206. To be checked against requirement if specified
26207. Protocol error indicator	26208. FALSE
26209. UE Specific Behaviour Information 1 idle	26210. This IE will not be checked by default behaviour, but in specific test case.

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26211. Measured results on RACH	26212. Not checked

Contents of RRC CONNECTION RELEASE message: UM

26213. Information Element	26214. Value/remark
26215. Message Type	26216.
26217. U-RNTI	26218. This IE is set to the following value when the message is transmitted on the CCCH. When transmitted on DCCH, this is absent.
26219. - SRNC identity	26220. 0000 0000 0001B
26221. - S-RNTI	26222. 0000 0000 0000 0000 0001B
26223. RRC transaction identifier	26224. 0
26225. Integrity check info	26226. This IE is present when this message is transmitted on downlink DCCH. Else, this IE and the sub-IEs are omitted.
26227. - Message authentication code	26228. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
26229. - RRC Message sequence number	26230. SS provides the value of this IE, from its internal counter.
26231. N308	26232. 2 (for CELL_DCH state). Not Present (for UE in other connected mode states).
26233. Release cause	26234. Normal event
26235. Rplmn information	26236. Not Present

Contents of RRC CONNECTION RELEASE COMPLETE message: AM or UM

Information Element	Semantics description
26237. Message Type	26238.
26239. RRC transaction identifier	26240. 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.
26241. Integrity check info	26242.
26243. - Message authentication code	26244. Checked to see if it's identical to the value of XMAC-I calculated by the SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
26245. - RRC Message sequence number	26246. Checked to see if it is present. This number is used by the SS to compute the XMAC-I

26247. Error indication	26248. Not checked

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

26249. Information Element	26250. Value/remark
26251. Message Type	26252.
26253. Initial UE identity	26254. Select the same identity as in the IE "Initial UE Identity" in received RRC CONNECTION REQUEST" message
26255. RRC transaction identifier	26256. 0
26257. Activation time	26258. Not Present(Now)
26259. New U-RNTI	26260.
26261. - SRNC identity	26262. 0000 0000 0001B
26263. - S-RNTI	26264. 0000 0000 0000 0000 0001B
26265. New C-RNTI	26266. Not Present
26267. RRC State Indicator	26268. CELL_DCH
26269. UTRAN DRX cycle length coefficient	26270. 9
26271. Capability update requirement	26272. Not Present
26273. - UE radio access FDD capability update requirement	26274. FALSE
26275. - UE radio access TDD capability update requirement	26276. TRUE
26277. - System specific capability update requirement list	26278. gsm
26279. Signalling RB information to setup	26280. (UM DCCH for RRC)
26281. - RB identity	26282. Not Present
26283. - CHOICE RLC info type	26284.
26285. - RLC info	26286.
26287. - CHOICE Uplink RLC mode	26288. UM RLC
26289. - Transmission RLC discard	26290. Not Present
26291.	26292.
26293.	26294.
26295. - CHOICE Downlink RLC mode	26296. UM RLC
26297. - RB mapping info	26298.
26299. - Information for each multiplexing option	26300. 2 RBMuxOptions

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26249. Information Element	26250. Value/remark
26301. - RLC logical channel mapping indicator	26302. Not Present
26303. - Number of RLC logical channels	26304. 1
26305. - Uplink transport channel type	26306. DCH
26307. - UL Transport channel identity	26308. 5
26309. - Logical channel identity	26310. 1
26311. - CHOICE RLC size list	26312. Configured
26313. - MAC logical channel priority	26314. 1
26315. - Downlink RLC logical channel info	26316.
26317. - Number of RLC logical channels	26318. 1
26319. - Downlink transport channel type	26320. DCH
26321. - DL DCH Transport channel identity	26322. 10
26323. - DL DSCH Transport channel identity	26324. Not Present
26325. - Logical channel identity	26326. 1
26327. - RLC logical channel mapping indicator	26328. Not Present
26329. - Number of RLC logical channels	26330. 1
26331. - Uplink transport channel type	26332. RACH
26333. - UL Transport channel identity	26334. Not Present
26335. - Logical channel identity	26336. 1
26337. - CHOICE RLC size list	26338. Explicit List
26339. - RLC size index	26340. According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
26341. - MAC logical channel priority	26342. 1
26343. - Downlink RLC logical channel info	26344.
26345. - Number of RLC logical channels	26346. 1
26347. - Downlink transport channel type	26348. FACH

26249. Information Element	26250. Value/remark
26349. - DL DCH Transport channel identity	26350. Not Present
26351. - DL DSCH Transport channel identity	26352. Not Present
26353. - Logical channel identity	26354. 1
26355. Signalling RB information to setup	26356. (AM DCCH for RRC)
26357. - RB identity	26358. Not Present
26359. - CHOICE RLC info type	26360.
26361. - RLC info	26362.
26363. - CHOICE Uplink RLC mode	26364. AM RLC
26365. - Transmission RLC discard	26366.
26367. - SDU discard mode	26368. No Discard
26369. - MAX_DAT	26370. 15
26371.	26372.
26373.	26374.
26375. - Transmission window size	26376. 128
26377. - Timer_RST	26378. 500
26379. - Max_RST	26380. 1
26381. - Polling info	26382.
26383. - Timer_poll_prohibit	26384. 200
26385. - Timer_poll	26386. 200
26387. - Poll_PDU	26388. Not present
26389. - Poll_SDU	26390. 1
26391. - Last transmission PDU poll	26392. TRUE
26393. - Last retransmission PDU poll	26394. TRUE
26395. - Poll_Window	26396. 99
26397. - Timer_poll_periodic	26398. Not Present
26399. - CHOICE Downlink RLC mode	26400. AM RLC
26401. - In-sequence delivery	26402. TRUE
26403. - Receiving window size	26404. 128
26405. - Downlink RLC status info	26406.
26407. - Timer_status_prohibit	26408. 200
26409. - Timer_EPC	26410. Not Present

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26249. Information Element	26250. Value/remark
26411. - Missing PDU indicator	26412. TRUE
26413. - Timer_STATUS_periodic	26414. Not Present
26415. - RB mapping info	26416.
26417. - Information for each multiplexing option	26418. 2 RBMuxOptions
26419. - RLC logical channel mapping indicator	26420. Not Present
26421. - Number of RLC logical channels	26422. 1
26423. - Uplink transport channel type	26424. DCH
26425. - UL Transport channel identity	26426. 5
26427. - Logical channel identity	26428. 2
26429. - CHOICE RLC size list	26430. Configure
26431. - MAC logical channel priority	26432. 2
26433. - Downlink RLC logical channel info	26434.
26435. - Number of RLC logical channels	26436. 1
26437. - Downlink transport channel type	26438. DCH
26439. - DL DCH Transport channel identity	26440. 10
26441. - DL DSCH Transport channel identity	26442. Not Present
26443. - Logical channel identity	26444. 2
26445. - RLC logical channel mapping indicator	26446. Not Present
26447. - Number of RLC logical channels	26448. 1
26449. - Uplink transport channel type	26450. RACH
26451. - UL Transport channel identity	26452. Not Present
26453. - Logical channel identity	26454. 2
26455. - CHOICE RLC size list	26456. Explicit List
26457. - RLC size index	26458. According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
26459. - MAC logical channel priority	26460. 2

26249. Information Element	26250. Value/remark
26461. - Downlink RLC logical channel info	26462.
26463. - Number of RLC logical channels	26464. 1
26465. - Downlink transport channel type	26466. FACH
26467. - DL DCH Transport channel identity	26468. Not Present
26469. - DL DSCH Transport channel identity	26470. Not Present
26471. - Logical channel identity	26472. 2
26473. Signalling RB information to setup	26474. (AM DCCH for NAS_DT High priority)
26475. - RB identity	26476. Not Present
26477. - CHOICE RLC info type	26478.
26479. - RLC info	26480.
26481. - CHOICE Uplink RLC mode	26482. AM RLC
26483. - Transmission RLC discard	26484.
26485. - SDU discard mode	26486. No Discard
26487. - MAX_DAT	26488. 15
26489.	26490.
26491.	26492.
26493. - Transmission window size	26494. 128
26495. - Timer_RST	26496. 500
26497. - Max_RST	26498. 1
26499. - Polling info	26500.
26501. - Timer_poll_prohibit	26502. 200
26503. - Timer_poll	26504. 200
26505. - Poll_PDU	26506. Not present
26507. - Poll_SDU	26508. 1
26509. - Last transmission PDU poll	26510. TRUE
26511. - Last retransmission PDU poll	26512. TRUE
26513. - Poll_Windows	26514. 99
26515. - Timer_poll_periodic	26516. Not Present
26517. - CHOICE Downlink RLC mode	26518. AM RLC

26249. Information Element	26250. Value/remark
26519. - In-sequence delivery	26520. TRUE
26521. - Receiving window size	26522. 128
26523. - Downlink RLC status info	26524.
26525. - Timer_status_prohibit	26526. 200
26527. - Timer_EPC	26528. Not Present
26529. - Missing PDU indicator	26530. TRUE
26531. - Timer_STATUS_periodic	26532. Not Present
26533. - RB mapping info	26534.
26535. - Information for each multiplexing option	26536. 2 RBMuxOptions
26537. - RLC logical channel mapping indicator	26538. Not Present
26539. - Number of RLC logical channels	26540. 1
26541. - Uplink transport channel type	26542. DCH
26543. - UL Transport channel identity	26544. 5
26545. - Logical channel identity	26546. 3
26547. - CHOICE RLC size list	26548. Configured
26549. - MAC logical channel priority	26550. 3
26551. - Downlink RLC logical channel info	26552.
26553. - Number of RLC logical channels	26554. 1
26555. - Downlink transport channel type	26556. DCH
26557. - DL DCH Transport channel identity	26558. 10
26559. - DL DSCH Transport channel identity	26560. Not Present
26561. - Logical channel identity	26562. 3
26563. - RLC logical channel mapping indicator	26564. Not Present
26565. - Number of RLC logical channels	26566. 1
26567. - Uplink transport channel type	26568. RACH
26569. - UL Transport channel	26570. Not Present

26249. Information Element	26250. Value/remark
identity	
26571. - Logical channel identity	26572. 3
26573. - CHOICE RLC size list	26574. Explicit List
26575. - RLC size index	26576. According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
26577. - MAC logical channel priority	26578. 3
26579. - Downlink RLC logical channel info	26580.
26581. - Number of RLC logical channels	26582. 1
26583. - Downlink transport channel type	26584. FACH
26585. - DL DCH Transport channel identity	26586. Not Present
26587. - DL DSCH Transport channel identity	26588. Not Present
26589. - Logical channel identity	26590. 3
26591. Signalling RB information to setup	26592. (AM DCCH for NAS_DT Low priority)
26593. - RB identity	26594. Not Present
26595. - CHOICE RLC info type	26596.
26597. - RLC info	26598.
26599. - CHOICE Uplink RLC mode	26600. AM RLC
26601. - Transmission RLC discard	26602.
26603. - SDU discard mode	26604. No discard
26605. - MAX_DAT	26606. 15
26607.	26608.
26609.	26610.
26611. - Transmission window size	26612. 128
26613. - Timer_RST	26614. 500
26615. - Max_RST	26616. 1
26617. - Polling info	26618.
26619. - Timer_poll_prohibit	26620. 200
26621. - Timer_poll	26622. 200
26623. - Poll_PDU	26624. Not present
26625. - Poll_SDU	26626. 1
26627. - Last transmission PDU poll	26628. TRUE

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26249. Information Element	26250. Value/remark
26629. - Last retransmission PDU poll	26630. TRUE
26631. - Poll_Windows	26632. 99
26633. - Timer_poll_periodic	26634. Not Present
26635. - CHOICE Downlink RLC mode	26636. AM RLC
26637. - In-sequence delivery	26638. TRUE
26639. - Receiving window size	26640. 128
26641. - Downlink RLC status info	26642.
26643. - Timer_status_prohibit	26644. 200
26645. - Timer_EPC	26646. Not Present
26647. - Missing PDU indicator	26648. TRUE
26649. - Timer_STATUS_periodic	26650. Not Present
26651. - RB mapping info	26652.
26653. - Information for each multiplexing option	26654. 2 RBMuxOptions
26655. - RLC logical channel mapping indicator	26656. Not Present
26657. - Number of RLC logical channels	26658. 1
26659. - Uplink transport channel type	26660. DCH
26661. - UL Transport channel identity	26662. 5
26663. - Logical channel identity	26664. 4
26665. - CHOICE RLC size list	26666. Configured
26667. - MAC logical channel priority	26668. 4
26669. - Downlink RLC logical channel info	26670.
26671. - Number of RLC logical channels	26672. 1
26673. - Downlink transport channel type	26674. DCH
26675. - DL DCH Transport channel identity	26676. 10
26677. - DL DSCH Transport channel identity	26678. Not Present
26679. - Logical channel identity	26680. 4
26681. - RLC logical channel mapping	26682. Not Present

26249. Information Element	26250. Value/remark
indicator	
26683. - Number of RLC logical channels	26684. 1
26685. - Uplink transport channel type	26686. RACH
26687. - UL Transport channel identity	26688. Not Present
26689. - Logical channel identity	26690. 4
26691. - CHOICE RLC size list	26692. Explicit List
26693. - RLC size index	26694. According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
26695. - MAC logical channel priority	26696. 4
26697. - Downlink RLC logical channel info	26698.
26699. - Number of RLC logical channels	26700. 1
26701. - Downlink transport channel type	26702. FACH
26703. - DL DCH Transport channel identity	26704. Not Present
26705. - DL DSCH Transport channel identity	26706. Not Present
26707. - Logical channel identity	26708. 4
26709. UL Transport channel information for all transport channels	26710.
26711. - PRACH TFCS	26712. Not Present
26713. - CHOICE mode	26714. TDD
26715. -Individual UL CCTrCH information	26716.
26717. - UL TFCS ID	26718. (This IE is repeated for TFC number.)
26719. - UL TFCS	26720.
26721. - TFC subset	Default value is the complete existing set of transport format combinations
26722. - Allowed Transport Format combination	0 to MaxTFCvalue-1 (MaxTFCValue is refer to 26723. TS34.108 clause 6 Parameter Set.)
26724. - PRACH TFCS	26725. (This IE is repeated for TFC number.)
26726. - CHOICE TFCI signalling	26727. Normal
26728. - TFCI Field 1 information	26729.
26730. - TFCS complete	26731.

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26249. Information Element	26250. Value/remark
reconfigure information	
26732. - CHOICE TFCS Size	Number of used bits must be enough to cover all combinations of CTFC from clauses 6. 26733. Refer to TS34.108 clause 6 Parameter Set
26734. - CTFC information	26735. Not Present
26736. - CHOICE mode	26737. TDD
26738. - Individual UL CCTrCH information	26739. Not Present
26740. Deleted TrCH information list	26741. Not Present
26742. Added or Reconfigured UL TrCH information	26743.
26744. - Uplink transport channel type	26745. DCH
26746. - UL Transport channel identity	26747. 5
26748. - TFS	26749.
26750. - CHOICE Transport channel type	26751. Dedicated transport channels
26752. - Dynamic Transport format information	26753.
26754. - RLC size	26755. According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
26756. - Number of TBs and TTI lists	26757. (This IE is repeated for TFI number)
26758. - CHOICE mode	26759. TDD
26760. - Transmission Time Interval	26761. According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
26762. - CHOICE Logical channel list	26763. All
26764. - Semi-static Transport Format information	26765.
26766. DL Transport channel information common for all transport channel	26767.
26768. - SCCPCH TFCS	26769. Not Present
26770. - CHOICE mode	26771. TDD
26772. -Individual DL CCTrCH information	26773.
26774. - DL TFCS Identity	26775.
26776. - TFCS ID	26777. 1
26778. - Shared Channel Indicator	26779.
26780. - CHOICE DL parameters	26781. Same as UL
26782. Added or Reconfigured TrCH	26783.

26249. Information Element	26250. Value/remark
information list	
26784. - Added or Reconfigured DL TrCH information	26785.
26786. - Downlink transport channel type	26787. DCH
26788. - DL Transport channel identity	26789. 10
26790. - CHOICE DL parameters	26791. Same as UL
26792. - Uplink transport channel type	26793. DCH
26794. - UL Transport channel identity	26795. 5
26796. -DCH quality target	26797.
26798. - BLER Quality target	26799. -6.3
26800. Frequency info	26801. Not Present
26802. Maximum allowed UL TX power	26803. Not Present
4. CHOICE channel requirement	26805. Uplink DPCH info
26806. - Uplink DPCH power control info	26807.
26808. - CHOICE mode	26809. TDD
26810. - CHOICE *TDD option*	26811. 3.84 Mcps
26812. - UL target SIR	26813. Reference to TS34.108 Parameter set
26814. - CHOICE mode	26815. TDD
26816. - CHOICE *UL OL PC info*	26817. Individually signalled
26818. - CHOICE *TDD option*	26819. 3.84 Mcps
26820. - Individual timeslot interference info	26821. Not Present
26822. - Individual timeslot interference	26823.
26824. - DPCH Constant Value	26825.
26826. - Primary CCPCH Tx Power	26827. Not Present
26828. - Time info	26829.
26830. - Activation time	26831. (256+CFN-(CFN MOD 8 + 8))MOD 256
26832. - Duration	26833. Infinite
26834. - Common timeslot info	26835.
26836. - 2$_{nd}$ interleaving mode	26837. Reference to TS34.108 clause 6.10 Parameter Set
26838. - TFCI coding	26839. Reference to TS34.108 clause 6.10 Parameter Set

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26249. Information Element	26250. Value/remark
26840. - Puncturing Limit	26841. Reference to TS34.108 clause 6.10 Parameter Set
26842. - Repetition Period	26843. Reference to TS34.108 clause 6.10 Parameter Set
26844. - Repetition Length	26845. Reference to TS34.108 clause 6.10 Parameter Set
26846. - Uplink DPCH timeslots and codes	26847. Default is to use the old timeslots and codes
26848. - CPCH SET Info	26849. (no data)
26850. Downlink information common for all radio links	26851.
26852. - Downlink DPCH info common for all RL	26853.
26854. - Timing indicator	26855. Maintain
26856. - CFN-targetSFN frame offset	26857. Not Present
26858. - Downlink DPCH power control information	26859.
26860. - DPC mode	26861. 0 (single)
26862. - CHOICE mode	26863. TDD
26864. - CHOICE TDD option	26865. 3.84 Mcps (no data)
26866. - Default DPCH Offset Value	26867. Not Present
26868. Downlink information for each radio link list	26869.
26870. - Downlink information for each radio link	26871.
26872. - Choice mode	26873. TDD
26874. - Primary CCPCH info	26875.
26876. - CHOICE *SyncCase*	26877. Sync Case 1
26878. - Timeslot	26879. PCCPCH timeslot
26880. - Cell parameters ID	26881. 0
26882. - SCTD indicator	26883.
26884. - Downlink DPCH info for each RL	26885.
26886. - CHOICE mode	26887. TDD
26888. - DL CCTrCH List	26889.
26890. - TFCS ID	26891. 1
26892. - Time info	26893.
26894. - Activation time	26895. (256+CFN-(CFN mod 8 + 8))mod 256

26249. Information Element	26250. Value/remark
26896. - Duration	26897. infinite
26898. - Common timeslot info	26899.
26900. - 2nd interleaving mode	26901. Reference to TS34.108
26902. - TFCI coding	26903. TRUE
26904. - Puncturing limit	26905. Reference to TS34.108 clause 6 Parameter set
26906. - Repetition period	26907. 1
26908. - Repetition length	26909. Empty
26910. - Downlink DPCH timeslots and codes	26911.
26912. - CHOICE *more timeslots*	
26913. - CHOICE TDD option	3.84 Mcps
26914. - Timeslot number	The number of a downlink timeslot that has 26915. unassigned codes in a frame.
26916. - Individual timeslot info	26917.
26918. - TFCI existence	26919. TRUE
26920. - Midamble shift and burst type	26921.
26922. - CHOICE TDD option	26923. 3.84 Mcps
26924. - CHOICE Burst Type	26925.
26926. - Type 1	26927.
26928. - Midamble Allocation Mode	26929. Default
26930. - Midamble configuration burst type 1 and 3	26931. As defined in 3GPP TS 25.221
26932. - First timeslot channelisation codes	26933.
26934. - First channelisation code	(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in 26935. TS34.108 clause 6 Parameter Set..
26936. - Last channelisation code	(j/SF) where j is the highest numbered code that is being assigned in the slot.
26937. - 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..

26249. Information Element	26250. Value/remark
26938. - UL CCTrCH TPC List	Not Present
26939. -SCCPCH information for FACH	Not Present

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

26940. Information Element	26941. Value/remark
26942. Message Type	26943.
26944. Initial UE identity	26945. Select the same identity as in the IE "Initial UE Identity" in received RRC CONNECTION REQUEST" message
26946. RRC transaction identifier	26947. 0
26948. Activation time	26949. Not Present(Now)
26950. New U-RNTI	26951.
26952. - SRNC identity	26953. 0000 0000 0001B
26954. - S-RNTI	26955. 0000 0000 0000 0000 0001B
26956. New C-RNTI	26957. Not Present
26958. RRC State Indicator	26959. CELL_DCH
26960. UTRAN DRX cycle length coefficient	26961. 9
26962. Capability update requirement	26963. Not Present
- UE radio access FDD capability update requirement	FALSE
- UE radio access TDD capability update requirement	TRUE
- System specific capability update requirement list	gsm
26964. Signalling RB information to setup	26965. (UM DCCH for RRC)
26966. - RB identity	26967. Not Present
26968. - CHOICE RLC info type	26969.
26970. - RLC info	26971.
26972. - CHOICE Uplink RLC mode	26973. UM RLC
26974. - Transmission RLC discard	26975. Not Present
26976. - CHOICE Downlink RLC mode	26977. UM RLC
26978. - RB mapping info	26979.
26980. - Information for each multiplexing option	26981. 2 RBMuxOptions
26982. - RLC logical channel mapping indicator	26983. Not Present

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26940. Information Element	26941. Value/remark
26984. - Number of RLC logical channels	26985. 1
26986. - Uplink transport channel type	26987. DCH
26988. - UL Transport channel identity	26989. 5
26990. - Logical channel identity	26991. 1
26992. - CHOICE RLC size list	26993. Configured
26994. - MAC logical channel priority	26995. 1
26996. - Downlink RLC logical channel info	26997.
26998. - Number of RLC logical channels	26999. 1
27000. - Downlink transport channel type	27001. DCH
27002. - DL DCH Transport channel identity	27003. 10
27004. - DL DSCH Transport channel identity	27005. Not Present
27006. - Logical channel identity	27007. 1
27008. - RLC logical channel mapping indicator	27009. Not Present
27010. - Number of RLC logical channels	27011. 1
27012. - Uplink transport channel type	27013. RACH
27014. - UL Transport channel identity	27015. Not Present
27016. - Logical channel identity	27017. 1
27018. - CHOICE RLC size list	27019. Explicit List
27020. - RLC size index	27021. According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
27022. - MAC logical channel priority	27023. 1
27024. - Downlink RLC logical channel info	27025.
27026. - Number of RLC logical channels	27027. 1
27028. - Downlink transport channel type	27029. FACH
27030. - DL DCH Transport channel identity	27031. Not Present

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26940. Information Element	26941. Value/remark
27032. - DL DSCH Transport channel identity	27033. Not Present
27034. - Logical channel identity	27035. 1
27036. Signalling RB information to setup	27037. (AM DCCH for RRC)
27038. - RB identity	27039. Not Present
27040. - CHOICE RLC info type	27041.
27042. - RLC info	27043.
27044. - CHOICE Uplink RLC mode	27045. AM RLC
27046. - Transmission RLC discard	27047.
27048. - SDU discard mode	27049. No Discard
27050. - MAX_DAT	27051. 15
27052. - Transmission window size	27053. 128
27054. - Timer_RST	27055. 500
27056. - Max_RST	27057. 1
27058. - Polling info	27059.
27060. - Timer_poll_prohibit	27061. 200
27062. - Timer_poll	27063. 200
- Poll_PDU	27064. Not present
27065. - Poll_SDU	27066. 1
27067. - Last transmission PDU poll	27068. TRUE
27069. - Last retransmission PDU poll	27070. TRUE
27071. - Poll_Window	27072. 99
27073. - Timer_poll_periodic	27074. Not Present
27075. - CHOICE Downlink RLC mode	27076. AM RLC
27077. - In-sequence delivery	27078. TRUE
27079. - Receiving window size	27080. 128
27081. - Downlink RLC status info	27082.
27083. - Timer_status_prohibit	27084. 200
27085. - Timer_EPC	27086. Not Present
27087. - Missing PDU indicator	27088. TRUE
27089. - Timer_STATUS_periodic	27090. Not Present
27091. - RB mapping info	27092.
27093. - Information for each	27094. 2 RBMuxOptions

26940. Information Element	26941. Value/remark
multiplexing option	
27095. - RLC logical channel mapping indicator	27096. Not Present
27097. - Number of RLC logical channels	27098. 1
27099. - Uplink transport channel type	27100. DCH
27101. - UL Transport channel identity	27102. 5
27103. - Logical channel identity	27104. 2
27105. - CHOICE RLC size list	27106. Configure
27107. - MAC logical channel priority	27108. 2
27109. - Downlink RLC logical channel info	27110.
27111. - Number of RLC logical channels	27112. 1
27113. - Downlink transport channel type	27114. DCH
27115. - DL DCH Transport channel identity	27116. 10
27117. - DL DSCH Transport channel identity	27118. Not Present
27119. - Logical channel identity	27120. 2
27121. - RLC logical channel mapping indicator	27122. Not Present
27123. - Number of RLC logical channels	27124. 1
27125. - Uplink transport channel type	27126. RACH
27127. - UL Transport channel identity	27128. Not Present
27129. - Logical channel identity	27130. 2
27131. - CHOICE RLC size list	27132. Explicit List
27133. - RLC size index	27134. According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
27135. - MAC logical channel priority	27136. 2
27137. - Downlink RLC logical channel info	27138.
27139. - Number of RLC logical channels	27140. 1

26940. Information Element	26941. Value/remark
27141. - Downlink transport channel type	27142. FACH
27143. - DL DCH Transport channel identity	27144. Not Present
27145. - DL DSCH Transport channel identity	27146. Not Present
27147. - Logical channel identity	27148. 2
27149. Signalling RB information to setup	27150. (AM DCCH for NAS_DT High priority)
27151. - RB identity	27152. Not Present
27153. - CHOICE RLC info type	27154.
27155. - RLC info	27156.
27157. - CHOICE Uplink RLC mode	27158. AM RLC
27159. - Transmission RLC discard	27160.
27161. - SDU discard mode	27162. No Discard
27163. - MAX_DAT	27164. 15
27165. - Transmission window size	27166. 128
27167. - Timer_RST	27168. 500
27169. - Max_RST	27170. 1
27171. - Polling info	27172.
27173. - Timer_poll_prohibit	27174. 200
27175. - Timer_poll	27176. 200
- Poll_PDU	Not present
27177. - Poll_SDU	27178. 1
27179. - Last transmission PDU poll	27180. TRUE
27181. - Last retransmission PDU poll	27182. TRUE
27183. - Poll_Windows	27184. 99
27185. - Timer_poll_periodic	27186. Not Present
27187. - CHOICE Downlink RLC mode	27188. AM RLC
27189. - In-sequence delivery	27190. TRUE
27191. - Receiving window size	27192. 128
27193. - Downlink RLC status info	27194.
27195. - Timer_status_prohibit	27196. 200
27197. - Timer_EPC	27198. Not Present
27199. - Missing PDU indicator	27200. TRUE

26940. Information Element	26941. Value/remark
27201. - Timer_STATUS_periodic	27202. Not Present
27203. - RB mapping info	27204.
27205. - Information for each multiplexing option	27206. 2 RBMuxOptions
27207. - RLC logical channel mapping indicator	27208. Not Present
27209. - Number of RLC logical channels	27210. 1
27211. - Uplink transport channel type	27212. DCH
27213. - UL Transport channel identity	27214. 5
27215. - Logical channel identity	27216. 3
27217. - CHOICE RLC size list	27218. Configured
27219. - MAC logical channel priority	27220. 3
27221. - Downlink RLC logical channel info	27222.
27223. - Number of RLC logical channels	27224. 1
27225. - Downlink transport channel type	27226. DCH
27227. - DL DCH Transport channel identity	27228. 10
27229. - DL DSCH Transport channel identity	27230. Not Present
27231. - Logical channel identity	27232. 3
27233. - RLC logical channel mapping indicator	27234. Not Present
27235. - Number of RLC logical channels	27236. 1
27237. - Uplink transport channel type	27238. RACH
27239. - UL Transport channel identity	27240. Not Present
27241. - Logical channel identity	27242. 3
27243. - CHOICE RLC size list	27244. Explicit List
27245. - RLC size index	27246. According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
27247. - MAC logical channel priority	27248. 3
27249. - Downlink RLC logical	27250.

26940. Information Element	26941. Value/remark
channel info	
27251. - Number of RLC logical channels	27252. 1
27253. - Downlink transport channel type	27254. FACH
27255. - DL DCH Transport channel identity	27256. Not Present
27257. - DL DSCH Transport channel identity	27258. Not Present
27259. - Logical channel identity	27260. 3
27261. Signalling RB information to setup	27262. (AM DCCH for NAS_DT Low priority)
27263. - RB identity	27264. Not Present
27265. - CHOICE RLC info type	27266.
27267. - RLC info	27268.
27269. - CHOICE Uplink RLC mode	27270. AM RLC
27271. - Transmission RLC discard	27272.
27273. - SDU discard mode	27274. No discard
27275. - MAX_DAT	27276. 15
27277. - Transmission window size	27278. 128
27279. - Timer_RST	27280. 500
27281. - Max_RST	27282. 1
27283. - Polling info	27284.
27285. - Timer_poll_prohibit	27286. 200
27287. - Timer_poll	27288. 200
- Poll_PDU	Not present
27289. - Poll_SDU	27290. 1
27291. - Last transmission PDU poll	27292. TRUE
27293. - Last retransmission PDU poll	27294. TRUE
27295. - Poll_Windows	27296. 99
27297. - Timer_poll_periodic	27298. Not Present
27299. - CHOICE Downlink RLC mode	27300. AM RLC
27301. - In-sequence delivery	27302. TRUE
27303. - Receiving window size	27304. 128
27305. - Downlink RLC status info	27306.

26940. Information Element	26941. Value/remark
27307. - Timer_status_prohibit	27308. 200
27309. - Timer_EPC	27310. Not Present
27311. - Missing PDU indicator	27312. TRUE
27313. - Timer_STATUS_periodic	27314. Not Present
27315. - RB mapping info	27316.
27317. - Information for each multiplexing option	27318. 2 RBMuxOptions
27319. - RLC logical channel mapping indicator	27320. Not Present
27321. - Number of RLC logical channels	27322. 1
27323. - Uplink transport channel type	27324. DCH
27325. - UL Transport channel identity	27326. 5
27327. - Logical channel identity	27328. 4
27329. - CHOICE RLC size list	27330. Configured
27331. - MAC logical channel priority	27332. 4
27333. - Downlink RLC logical channel info	27334.
27335. - Number of RLC logical channels	27336. 1
27337. - Downlink transport channel type	27338. DCH
27339. - DL DCH Transport channel identity	27340. 10
27341. - DL DSCH Transport channel identity	27342. Not Present
27343. - Logical channel identity	27344. 4
27345. - RLC logical channel mapping indicator	27346. Not Present
27347. - Number of RLC logical channels	27348. 1
27349. - Uplink transport channel type	27350. RACH
27351. - UL Transport channel identity	27352. Not Present
27353. - Logical channel identity	27354. 4
27355. - CHOICE RLC size list	27356. Explicit List

26940.Information Element	26941.Value/remark
27357. - RLC size index	27358. According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
27359. - MAC logical channel priority	27360.4
27361. - Downlink RLC logical channel info	27362.
27363. - Number of RLC logical channels	27364.1
27365. - Downlink transport channel type	27366.FACH
27367. - DL DCH Transport channel identity	27368.Not Present
27369. - DL DSCH Transport channel identity	27370.Not Present
27371. - Logical channel identity	27372.4
27373.UL Transport channel information for all transport channels	27374.
27375. - PRACH TFCS	27376.Not Present
27377. - CHOICE mode	27378.TDD
27379. -Individual UL CCTrCH information	27380.
27381. - UL TFCS ID	27382.(This IE is repeated for TFC number.)
27383. - UL TFCS	27384.
27385. - TFC subset	Default value is the complete existing set of transport format combinations
27386. - Allowed Transport Format combination	0 to MaxTFCvalue-1 (MaxTFCValue is refer to 27387.TS34.108 clause 6 Parameter Set.)
27388. - PRACH TFCS	27389.(This IE is repeated for TFC number.)
27390. - CHOICE TFCI signalling	27391.Normal
27392. - TFCI Field 1 information	27393.
27394. - TFCS complete reconfigure information	27395.
27396. - CHOICE TFCS Size	Number of used bits must be enough to cover all combinations of CTFC from clauses 6. 27397.Refer to TS34.108 clause 6 Parameter Set
27398. - CTFC information	27399.Not Present
27400. - CHOICE mode	27401.TDD
27402. - Individual UL CCTrCH information	27403.Not Present
27404.Deleted TrCH information list	27405.Not Present

26940. Information Element	26941. Value/remark
27406. Added or Reconfigured UL TrCH information	27407.
27408. - Uplink transport channel type	27409. DCH
27410. - UL Transport channel identity	27411. 5
27412. - TFS	27413.
27414. - CHOICE Transport channel type	27415. Dedicated transport channels
27416. - Dynamic Transport format information	27417.
27418. - RLC size	27419. According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
27420. - Number of TBs and TTI lists	27421. (This IE is repeated for TFI number)
27422. - CHOICE mode	27423. TDD
27424. - Transmission Time Interval	27425. According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer
27426. - CHOICE Logical channel list	27427. All
27428. - Semi-static Transport Format information	27429.
27430. DL Transport channel information common for all transport channel	27431.
27432. - SCCPCH TFCS	27433. Not Present
27434. - CHOICE mode	27435. TDD
27436. -Individual DL CCTrCH information	27437.
27438. - DL TFCS Identity	27439.
27440. - TFCS ID	27441. 1
27442. - Shared Channel Indicator	27443.
27444. - CHOICE DL parameters	27445. Same as UL
27446. Added or Reconfigured TrCH information list	27447.
27448. - Added or Reconfigured DL TrCH information	27449.
27450. - Downlink transport channel type	27451. DCH
27452. - DL Transport channel identity	27453. 10
27454. - CHOICE DL parameters	27455. Same as UL
27456. - Uplink transport channel type	27457. DCH
27458. - UL Transport channel identity	27459. 5

26940. Information Element	26941. Value/remark
27460. -DCH quality target	27461.
27462. - BLER Quality target	27463. -6.3
27464. Frequency info	27465. Not Present
27466. Maximum allowed UL TX power	27467. Not Present
8. CHOICE channel requirement	27469. Uplink DPCH info
27470. - Uplink DPCH power control info	27471.
27472. - CHOICE mode	27473. TDD
27474. - CHOICE *TDD option*	27475. 1.28 Mcps
27476. - PRX$_{PDPCHdes}$	27477. Reference to TS34.108 Parameter set
27478. - CHOICE mode	27479. TDD
27480. - CHOICE *UL OL PC info*	27481. Individually signalled
27482. - CHOICE *TDD option*	27483. 1.28 Mcps
27484. - TPC step size	27485. Not Present
27486. - Primary CCPCH Tx Power	27487. Not Present
27488. - Time info	27489.
27490. - Activation time	27491. (256+CFN-(CFN MOD 8 + 8))MOD 256
27492. - Duration	27493. Infinite
27494. - Common timeslot info	27495.
27496. - 2$_{nd}$ interleaving mode	27497. Reference to TS34.108 clause 6 Parameter Set
27498. - TFCI coding	27499. Reference to TS34.108 clause 6 Parameter Set
27500. - Puncturing Limit	27501. Reference to TS34.108 clause 6 Parameter Set
27502. - Repetition Period	27503. Reference to TS34.108 clause 6 Parameter Set
27504. - Repetition Length	27505. Reference to TS34.108 clause 6 Parameter Set
27506. - Uplink DPCH timeslots and codes	27507. Default is to use the old timeslots and codes
27508. - CPCH SET Info	27509. (no data)
27510. Downlink information common for all radio links	27511.
27512. - Downlink DPCH info common for all RL	27513.
27514. - Timing indicator	27515. Maintain

26940. Information Element	26941. Value/remark
27516. - CFN-targetSFN frame offset	27517. Not Present
27518. - Downlink DPCH power control information	27519.
27520. - DPC mode	27521. 0 (single)
27522. - CHOICE mode	27523. TDD
27524. - CHOICE TDD option	27525. 1.28 Mcps
27526. - TSTD indicator	27527.
27528. - Default DPCH Offset Value	27529. Not Present
27530. Downlink information for each radio link list	27531.
27532. - Downlink information for each radio link	27533.
27534. - Choice mode	27535. TDD
27536. - Primary CCPCH info	27537.
27538. - CHOICE *SyncCase*	27539. Sync Case 1
27540. - Timeslot	27541. PCCPCH timeslot
27542. - Cell parameters ID	27543. 0
27544. - SCTD indicator	27545.
27546. - Downlink DPCH info for each RL	27547.
27548. - CHOICE mode	27549. TDD
27550. - DL CCTrCH List	27551.
27552. - TFCS ID	27553. 1
27554. - Time info	27555.
27556. - Activation time	27557. (256+CFN-(CFN mod 8 + 8))mod 256
27558. - Duration	27559. infinite
27560. - Common timeslot info	27561.
27562. - 2nd interleaving mode	27563. Reference to TS34.108
27564. - TFCI coding	27565. TRUE
27566. - Puncturing limit	27567. Reference to TS34.108 clause 6 Parameter set
27568. - Repetition period	27569. 1
27570. - Repetition length	27571. Empty
27572. - Downlink DPCH timeslots and codes	27573.
27574. - CHOICE *more*	

26940. Information Element	26941. Value/remark
timeslots	
27575. - CHOICE TDD option	1.28 Mcps
27576. - Timeslot number	The number of a downlink timeslot that has 27577. unassigned codes in a subframe.
27578. - Individual timeslot info	27579.
27580. - TFCI existence	27581. TRUE
27582. - Midamble shift and burst type	27583.
27584. - CHOICE TDD option	27585. 1.28 Mcps
27586. **-**CHOICE Burst Type	27587.
27588. **-**Type 1	27589.
27590. -Midamble Allocation Mode	27591. Default
27592. - Midamble configuration	27593. As defined in 3GPP TS 25.221
27594. - First timeslot channelisation codes	27595.
27596. - First channelisation code	(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in 27597. TS34.108 clause 6 Parameter Set..
27598. - Last channelisation code	(j/SF) where j is the highest numbered code that is being assigned in the slot.
27599. - 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..
27600. - UL CCTrCH TPC List	Not Present
27601. -SCCPCH information for FACH	Not Present

Contents of RRC CONNECTION SETUP COMPLETE message: AM

27602. Information Element	27603. Value/remark
27604. Message Type	27605.
27606. RRC transaction identifier	27607. 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.
27608. START list	27609. Not checked

27610. UE radio access capability	27611. Not checked
27612. UE radio access capability extension	27613. Not checked
27614. UE system specific capability	27615. Not checked

Contents of SECURITY MODE COMMAND message: AM

27616. **Information Element**	27617. **Value/remark**
27618. Message Type	27619.
27620. RRC transaction identifier	27621. Arbitrarily selects an integer between 0 and 3
27622. Integrity check info	27623.
27624.　　　 - Message authentication code	27625. Set to an arbitrarily selected 32-bits integer. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
27626.　　　 - RRC Message Sequence Number	27627. Set to an arbitrarily selected integer between 0 and 15
27628. Security capability	27629.
27630.　　　 - Ciphering algorithm capability	27631.
27632.　　　　 - UEA0	27633. If ciphering is not indicated to be active on IXIT statements in TS 34.123-2, set this IE to TRUE.
27634.　　　　 - UEA1	27635. If ciphering is indicated to be active on IXIT statements in TS 34.123-2, set this IE to TRUE.
27636.　　　　 - Spare	27637. FALSE
27638.　　　 - Integrity protection algorithm capability	27639. 0000000000000010B (UIA1)
27640.　　　　 - UIA1	27641. TRUE
27642.　　　　 - Spare	27643. FALSE
27644. Ciphering mode info	27645. 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.
27646.　　　 - Ciphering mode command	27647. Start/restart
27648.　　　 - Ciphering algorithm	27649. Use the same ciphering algorithm specified in "ciphering algorithm capability" IE in this message.
27650.　　　 - Ciphering activation time for DPCH	27651. Not Present
27652.　　　　　 - Radio bearer downlink ciphering activation time info	27653.

27654. - Radio bearer activation time	27655.
27656. - RB identity	27657. 1
27658. - RLC sequence number	27659. Current RLC SN+2
27660. - RB identity	27661. 2
27662. - RLC sequence number	27663. Current RLC SN+2
27664. - RB identity	27665. 3
27666. - RLC sequence number	27667. Current RLC SN + 2
27668. - RB identity	27669. 4
27670. - RLC sequence number	27671. Current RLC SN + 2
27672. Integrity protection mode info	27673.
27674. - Integrity protection mode command	27675. Start
27676. - Downlink integrity protection activation info	27677. Not Present
27678. - Integrity protection algorithm	27679. UIA1
27680. - Integrity protection initialisation number	27681. SS selects an arbitrary 32 bits number for FRESH
27682. CN domain identity	27683. Supported domain
27684. UE system specific security capability	27685. Not Checked

Contents of SECURITY MODE COMPLETE message: AM

27686. Information Element	27687. Value/remark
27688. Message Type	27689.
27690. RRC transaction identifier	27691. 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.
27692. Integrity check info	27693.
27694. - Message authentication code	27695. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
27696. - RRC Message sequence number	27697. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
27698. Uplink integrity protection activation info	27699. Not checked.

27700. Radio bearer uplink ciphering activation time info	27701. 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

27702. Information Element	27703. Value/remark
27704. Message Type	27705.
27706. Integrity check info	27707.
27708. - Message authentication code	27709. This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
27710. - RRC Message sequence number	27711. This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
27712.	27713.
27714. CN domain identity	27715. Checked to see if set to supported CN domain as specified in the IXIT statements
27716. NAS message	27717. Set according to that indicated in specific message content clause
27718. Measured results on RACH	27719. Not checked

9.2 Default Message Contents for RF

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

9.2.1 Default Message Contents for RF (FDD)

Contents of Activate RB Test Mode message

27720. Information Element	27721. Value/remark
27722. Protocol discriminator	27723. F (Length 1/2)
27724. Skip indicator	27725. 0 (Length 1/2)
27726. Message Type	27727. 44h

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

27728. Information Element	27729. Value/remark
27730. Protocol discriminator	27731. F (Length 1/2)
27732. Skip indicator	27733. 0 (Length 1/2)
27734. Message Type	27735. 40h
27736. UE test loop mode	27737. 00h
27738. UE test loop mode 1 LB setup	27739. 03h 00h F4h 0Ah

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

27740. Information Element	27741. Value/remark
27742. Protocol discriminator	27743. F (Length 1/2)
27744. Skip indicator	27745. 0 (Length 1/2)
27746. Message Type	27747. 40h
27748. UE test loop mode	27749. 01h

Contents of Open UE Test Loop message

27750. Information Element	27751. Value/remark
27752. Protocol discriminator	27753. F (Length 1/2)
27754. Skip indicator	27755. 0 (Length 1/2)
27756. Message Type	27757. 42h

Contents of PAGING TYPE 1 message: TM (CS)

27758. Information Element	27759. Value/remark
27760. Message Type	27761.
27762. Paging record list	27763.
27764. -Paging record	27765.
27766. - CHOICE Used paging identity	27767. CN identity
27768. - Paging cause	27769. Terminating Streaming Call
27770. - CN domain identity	27771. CS domain
27772. - CHOICE UE identity	27773.
27774. - IMSI (GSM-MAP)	27775. Set to the same octet string as in the IMSI stored in the USIM card
27776. BCCH modification info	27777. Not Present

Contents of PAGING TYPE 1 message: TM (PS)

27778. Information Element	27779. Value/remark
27780. Message Type	27781.
27782. Paging record list	27783.
27784. -Paging record	27785.
27786. - CHOICE Used paging identity	27787. CN identity
27788. - Paging cause	27789. Terminating Interactive Call
27790. - CN domain identity	27791. PS domain
27792. - CHOICE UE identity	27793.
27794. - IMSI (GSM-MAP)	27795. Set to the same octet string as in the IMSI stored in the USIM card
27796. BCCH modification info	27797. Not Present

Contents of RADIO BEARER SETUP message: AM or UM

27798. Information Element	27	27800. Value/remark
27801. Message Type	27	27803.
27804. RRC transaction identifier	27	27806. Arbitrarily selects an integer between 0 and 3
27807. Integrity check info	27	27809.
27810. - message authentication code	27	27812. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
27813. - RRC message sequence number	27	27815. SS provides the value of this IE, from its internal counter.
27816. Integrity protection mode info	27	27818. Not Present
27819. Ciphering mode info	27	27821. Not Present
27822. Activation time	27	27824. (256+CFN-(CFN MOD 8 + 8))MOD 256

27798. Information Element	27	27800. Value/remark
27825. New U-RNTI	27	27827. Not Present
27828. New C-RNTI	27	27830. Not Present
27831. New DSCH-RNTI	27	27833. Not Present
27834. RRC State indicator	27	27836. CELL_DCH
27837. UTRAN DRX cycle length coefficient	27	27839. Not Present
27840. CN information info	27	27842. Not Present
27843. URA identity	27	27845. Not Present
27846. Signalling RB information to setup	27	27848. Not Present
27849. RAB information for setup list	27	27851.
27852. - RAB information for setup	27	27854.
27855. - RAB info	27	27857.
27858. - RAB identity	27	27860. 0000 0001B
		27861. The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.
27862. - CN domain identity	27	27864. CS domain
27865. - NAS Synchronization Indicator	27	27867. Not Present
27868. - Re-establishment timer	27	27870. UseT314
27871. - RB information to setup list	27	27873.
27874. - RB information to setup	27	27876.
27877. - RB identity	27	27879. 10
27880. - PDCP info	27	27882. Not Present
27883. - CHOICE RLC info type	27	27885. RLC info
27886. - CHOICE Uplink RLC mode	27	27888. TM RLC
27889. - Transmission RLC discard	27	27891. Not Present
27892. - Segmentation indication	27	27894. FALSE
27895. - CHOICE Downlink RLC mode	27	27897. TM RLC

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27798. Information Element	27	27800. Value/remark
27898. - Segmentation indication	27	27900. FALSE
27901. - RB mapping info	27	27903.
27904. - Information for each multiplexing option	27	27906.
27907. - RLC logical channel mapping indicator	27	27909. Not Present
27910. - Number of uplink RLC logical channels	27	27912. 1
27913. - Uplink transport channel type	27	27915. DCH
27916. - UL Transport channel identity	27	27918. 1
27919. - Logical channel identity	27	27921. Not Present
27922. - CHOICE RLC size list	27	27924. Configured
27925. - MAC logical channel priority	27	27927. 7
27928. - Downlink RLC logical channel info	27	27930.
27931. - Number of downlink RLC logical channels	27	27933. 1
27934. - Downlink transport channel type	27	27936. DCH
27937. - DL DCH Transport channel identity	27	27939. 6
27940. - DL DSCH Transport channel identity	27	27942. Not Present
27943. - Logical channel identity	27	27945. Not Present
27946. RAB information for setup list	27	27948.
27949. - RAB information for setup	27	27951.
27952. - RAB info	27	27954.
27955. - RAB identity	27	27957. 0000 0101B
		27958. The first/ leftmost bit of the bit string contains the most significant bit of the RAB

27798. Information Element	27	27800. Value/remark
		identity.
27959. - CN domain identity	27	27961. PS domain
27962. - NAS Synchronization Indicator	27	27964. Not Present
27965. - Re-establishment timer	27	27967. UseT314
27968. - RB information to setup list	27	27970.
27971. - RB information to setup	27	27973.
27974. - RB identity	27	27976. 20
27977. - PDCP info	27	27979. Not Present
27980. - CHOICE RLC info type	27	27982. RLC info
27983. - CHOICE Uplink RLC mode	27	27985. AM RLC
27986. - Transmission RLC discard	27	27988.
27989. - CHOICE SDU discard mode	27	27991. No discard
27992. - MAX_DAT	27	27994. 15
27995. - Transmission window size	27	27997. 128
27998. - Timer_RST	27	28000. 500
28001. - Max_RST	28	28003. 4
28004. - Polling info	28	28006.
28007. - Timer_poll_prohibit	**28**	**28009.** 200
28010. - Timer_poll	**28**	**28012.** 200
28013. - Poll_PDU	**28**	28015. Not Present
28016. - Poll_SDU	**28**	**28018.** 1
28019. - Last transmission PDU poll	**28**	**28021.** TRUE
28022. - Last retransmission PDU poll	**28**	**28024.** TRUE
28025. - Poll_Windows	**28**	**28027.** 99
28028. - Timer_poll_periodic	28	28030. Not Present
28031. - CHOICE Downlink RLC mode	**28**	**28033.** AM RLC
28034. - In-sequence delivery	**28**	**28036.** TRUE

27798. Information Element	27	27800. Value/remark
28037. - Receiving window size	28	**28039.** 128
28040. - Downlink RLC status info	28	**28042.**
28043. - Timer_status_prohibit	28	**28045.** 200
28046. - Timer_EPC	28	**28048.** Not Present
28049. - Missing PDU indicator	28	**28051.** TRUE
28052. - Timer_STATUS_periodic	28	28054. Not Present
28055. - RB mapping info	28	**28057.**
28058. - Information for each multiplexing option	28	**28060.** 2RBMuxOptions
28061. - RLC logical channel mapping indicator	28	**28063.** Not Present
28064. - Number of uplink RLC logical channels	28	**28066.** 1
28067. - Uplink transport channel type	28	**28069.** DCH
28070. - UL Transport channel identity	28	**28072.** 1
28073. - Logical channel identity	28	**28075.** Not Present
28076. - CHOICE RLC size list	28	**28078.** Configured
28079. - MAC logical channel priority	28	**28081.** 8
28082. - Downlink RLC logical channel info	28	**28084.**
28085. - Number of downlink RLC logical channels	28	**28087.** 1
28088. - Downlink transport channel type	28	**28090.** DCH
28091. - DL DCH Transport channel identity	28	**28093.** 6
28094. - DL DSCH Transport channel identity	28	**28096.** Not Present
28097. - Logical channel identity	28	**28099.** Not Present
28100. - RLC logical channel mapping indicator	28	28102. Not Present

27798. Information Element	27	27800. Value/remark
28103. - Number of uplink RLC logical channels	28	28105. 1
28106. - Uplink transport channel type	28	28108. RACH
28109. - UL Transport channel identity	28	28111. Not Present
28112. - Logical channel identity	28	28114. 7
28115. - CHOICE RLC size list	28	28117. Explicit List
28118. - RLC size index	28	28120. Reference to TS34.108 clause 6 Parameter Set
28121. - MAC logical channel priority	28	28123. 8
28124. - Downlink RLC logical channel info	28	28126.
28127. - Number of downlink RLC logical channels	28	28129. 1
28130. - Downlink transport channel type	28	28132. FACH
28133. - DL DCH Transport channel identity	28	28135. Not Present
28136. - DL DSCH Transport channel identity	28	28138. Not Present
28139. - Logical channel identity	28	28141. Not Present
28142. RB information to be affected list	28	28144. Not Present
28145. Downlink counter synchronisation info	28	28147. Not Present
28148. UL Transport channel information for all transport channels	28	28150.
28151. - PRACH TFCS	28	28153. Not Present
28154. - CHOICE mode	28	28156. FDD

27798. Information Element	27	27800. Value/remark
28157. - TFC subset	28	28159. Not Present
28160. - UL DCH TFCS	28	28162.
28163. - CHOICE TFCI signalling	28	28165. Normal
28166. - TFCI Field 1 information	28	28168.
28169. - CHOICE TFCS representation	28	28171. Complete reconfiguration
28172. - TFCS complete reconfigure information	28	28174.
28175. - CHOICE CTFC Size	28	28177. 2 bit CTFC
28178. - CTFC information	28	28180. 4 TFCs
28181. - 2bit CTFC	0	
28182. -Power offset Information		
28183. - CHOICE Gain Factors		28184. Computed Gain Factors
28185. - Reference TFC ID	0	
28186. - CHOICE mode	28	28188. FDD
28189. - Power offset P_{p-m}	28	28191. Not Present
28192. - 2bit CTFC		28193. 2
28194. - Power offset Information		28195.
28196. - CHOICE Gain Factors		28197. Computed Gain Factors
28198. - Reference TFC ID		28199. 0
28200. - CHOICE mode		28201. FDD
28202. - Power offset P_{p-m}		28203. Not Present
28204. - 2bit CTFC	28	28206. 1
28207. - Power offset Information	28	28209.
28210. - CHOICE Gain Factors	28	28212. Computed Gain Factors
28213. - Reference TFC ID		28214. 0
28215. - CHOICE mode		28216. FDD
28217. - Power offset P_{p-m}		28218. Not Present
28219. - 2bit CTFC		28220. 3

27798. Information Element	27	27800. Value/remark
28221. - Power offset Information		28222.
28223. - CHOICE Gain Factors		28224. Signalled Gain Factors
28225. - CHOICE mode		28226. FDD
28227. - Gain factor ßc		28228. 8
28229. - Gain factor ßd		28230. 15
28231. - Reference TFC ID		28232. 0
28233. - CHOICE mode	28	28235. FDD
28236. - Power offset P_{p-m}	28	28238. Not Present
28239. Deleted UL TrCH information list	28	**28241.** Not Present
28242. Added or Reconfigured UL TrCH information list	28	28244. 1
28245. - Added or Reconfigured UL TrCH information	28	28247.
28248. - Uplink transport channel type	28	28250. DCH
28251. - UL Transport channel identity	28	28253. 1
28254. - TFS	28	28256.
28257. - CHOICE Transport channel type	28	28259. Dedicated transport channels
28260. - Dynamic Transport Format Information	28	28262.
28263. - RLC size	28	28265. 244 bits
28266. - Number of TBs and TTI List	28	28268. 2
28269. - Transmission Time Interval	28	28271. Not Present
28272. - Number of Transport blocks	28	28274. 0
28275. - Transmission Time Interval	28	28277. Not Present
28278. - Number of Transport blocks	28	28280. 1
28281. - CHOICE Logical Channel List	28	28283. ALL
28284. - Semi-static Transport Format Information	28	28286.
28287. - Transmission time interval	28	28289. 20

27798. Information Element	27	27800. Value/remark
28290.　　　- Type of channel coding	28	28292. Convolutional
28293.　　　- Coding Rate	28	28295. 1/3
28296.　　　- Rate matching attribute	28	28298. 256
28299.　　　- CRC size	28	28301. 16
28302. CHOICE mode	28	28304. FDD
28305.　- CPCH set ID	28	28307. Not Present
28308.　- Added or Reconfigured TrCH information for DRAC list	28	28310. Not Present
28311. DL Transport channel information common for all transport channel	28	28313.
28314.　　　- SCCPCH TFCS	28	28316. Not Present
28317.　　　- CHOICE mode	28	28319. FDD
28320.　　　- CHOICE DL parameters	28	28322. Same as UL
28323. Deleted DL TrCH information list	28	28325. Not Present
28326. Added or Reconfigured DL TrCH information list	28	28328. 1
28329.　　- Added or Reconfigured DL TrCH information	28	28331.
28332.　　　- Downlink transport channel type	28	28334. DCH
28335.　　　- DL Transport channel identity	28	28337. 6
28338.　　　- CHOICE DL parameters	28	28340. Same as UL
28341.　　　- Uplink transport channel type	28	28343. DCH
28344.　　　- UL TrCH identity	28	28346. 1

27798. Information Element	27	27800. Value/remark
28347. - DCH quality target	28	28349.
28350. - BLER Quality value	28	28352. -2.0
28353. Frequency info	28	28355. Not Present
28356. Maximum allowed UL TX power	28	28358. 33dBm
28359. CHOICE channel requirement	28	28361. Uplink DPCH info
28362. - Uplink DPCH power control info	28	28364.
28365. - CHOICE mode	28	28367. FDD
28368. - DPCCH power offset	28	28370. -6dB
28371. - PC Preamble	28	28373. 1 frame
28374. - SRB delay	28	28376. 7 frames
28377. - Power Control Algorithm	28	28379. Algorithm1
28380. - TPC step size	28	28382. 1dB
28383. - CHOICE mode	28	28385. FDD
28386. - Scrambling code type	28	28388. Long
28389. - Scrambling code number	28	28391. 0 (0 to 16777215)
28392. - Number of DPDCH	28	28394. 1
28395. - spreading factor	28	28397. 64
28398. - TFCI existence	28	28400. TRUE
28401. - Number of FBI bit	28	28403. Not Present(0)
28404. - Puncturing Limit	28	28406. 1
28407. CHOICE Mode	28	28409. FDD
28410. - Downlink PDSCH information	28	28412. Not Present
28413. Downlink information common for all radio links	28	28415.
28416. - Downlink DPCH info common	28	28418.

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27798. Information Element	27	27800. Value/remark
for all RL		
28419. - Timing indicator	28	28421. Maintain
28422. - CFN-targetSFN frame offset	28	28424. Not Present
28425. - Downlink DPCH power control information	28	28427.
28428. - CHOICE mode	28	28430. FDD
28431. - DPC mode	28	28433. 0 (single)
28434. - CHOICE mode	28	28436. FDD
28437. - Power offset P$_{Pilot-DPDCH}$	28	28439. 0
28440. - DL rate matching restriction information	28	28442. Not Present
28443. - Spreading factor	28	28445. 128
28446. - Fixed or Flexible Position	28	28448. Fixed
28449. - TFCI existence	28	28451. TRUE
28452. - CHOICE SF	28	28454. 128
28455. - Number of bits for Pilot bits	28	28457. 8
28458. - CHOICE mode	28	28460. FDD
28461. - DPCH compressed mode info	28	28463. Not Present
28464. - TX Diversity mode	28	28466. None
28467. - SSDT information	28	28469. Not Present
28470. - Default DPCH Offset Value	28	28472. Not Present
28473. Downlink information for per radio link list	28	28475.
28476. - Downlink information for each radio link	28	28478.
28479. - CHOICE mode	28	28481. FDD
28482. - Primary CPICH info	28	28484.
28485. - Primary scrambling code	28	28487. 100
28488. - PDSCH with SHO DCH info	28	28490. Not Present

27798. Information Element	27	27800. Value/remark
28491. - PDSCH code mapping	28	28493. Not Present
28494. - Downlink DPCH info for each RL	28	28496.
28497. - CHOICE mode	28	28499. FDD
28500. - Primary CPICH usage for channel estimation	28	28502. Primary CPICH may be used
28503. - DPCH frame offset	28	28505. Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400

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.

28506. - Secondary CPICH info	28	28508. Not Present
28509. - DL channelisation code	28	28511.
28512. - Secondary scrambling code	28	28514. 1
28515. - Spreading factor	28	28517. 128
28518. - Code number	28	28520. 0
28521. - Scrambling code change	28	28523. No change
28524. - TPC combination index	28	28526. 0
28527. - SSDT Cell Identity	28	28529. Not Present
28530. - Closed loop timing adjustment mode	28	28532. Not Present
28533. - SCCPCH information for FACH	28	28535. Not Present

28536. Condition	28537. Explanation
28538. A1	28539. This IE is needed for transparent mode. In the case of TX and RX test cases, this IE is selected.
28540. A3	28541. This IE is needed for acknowledged mode.

Contents of RADIO BEARER SETUP message: BTFD RMC

28542. Information Element	28543. Value/remark

28542. Information Element	28543. Value/remark
28544. Message Type	28545.
28546. RRC transaction identifier	28547. Arbitrarily selects an integer between 0 and 3
28548. Integrity check info	28549.
28550. - message authentication code	28551. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
28552. - RRC message sequence number	28553. SS provides the value of this IE, from its internal counter.
28554. Integrity protection mode info	28555. Not Present
28556. Ciphering mode info	28557. 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.
28558. - Ciphering mode command	28559. Start/restart
28560. - Ciphering algorithm	28561. Use one of the supported ciphering algorithms
28562. - Ciphering activation time for DPCH	28563. Set by operator
28564. - Radio bearer downlink ciphering activation time info	28565. Not Present
28566. Activation time	28567. Set by operator
28568. New U-RNTI	28569. Not Present
28570. New C-RNTI	28571. Not Present
28572. RRC State indicator	28573. CELL_DCH
28574. UTRAN DRX cycle length coefficient	28575. Not Present
28576. CN information info	28577. Not Present
28578. URA identity	28579. Not Present
28580. Signalling RB information to setup	28581. Not Present
28582. RAB information for setup	28583.
28584. - RAB info	28585.
28586. - RAB identity	28587. 0000 0001B
	28588. The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.
28589. - CN domain identity	28590. CS domain

28542. Information Element	28543. Value/remark
28591. - NAS Synchronization Indicator	28592. Not Present
28593. - Re-establishment timer	28594. UseT314
28595. - RB information to setup	28596.
28597. - RB identity	28598. 10
28599. - PDCP info	28600. Not Present
28601. - CHOICE RLC info type	28602. RLC info
28603. - CHOICE Uplink RLC mode	28604. TM RLC
28605. - Transmission RLC discard	28606. Not Present
28607. - Segmentation indication	28608. FALSE
28609. - CHOICE Downlink RLC mode	28610. TM RLC
28611. - Segmentation indication	28612. FALSE
28613. - RB mapping info	28614.
28615. - Information for each multiplexing option	28616.
28617. - RLC logical channel mapping indicator	28618. Not Present
28619. - Number of uplink RLC logical channels	28620. 1
28621. - Uplink transport channel type	28622. DCH
28623. - UL Transport channel identity	28624. 1
28625. - Logical channel identity	28626. Not Present
28627. - CHOICE RLC size list	28628. Configured
28629. - MAC logical channel priority	28630. 1
28631. - Downlink RLC logical channel info	28632.
28633. - Number of downlink RLC logical channels	28634. 1
28635. - Downlink transport channel type	28636. DCH
28637. - DL DCH Transport channel identity	28638. 6
28639. - DL DSCH Transport channel identity	28640. Not Present
28641. - Logical channel identity	28642. Not Present
28643. RB information to be affected	28644. Not Present

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28542. Information Element	28543. Value/remark
28645. Downlink counter synchronisation info	28646. Not Present
28647.	28648. RMC for BTFD
28649. UL Transport channel information for all transport channels	28650.
28651. - PRACH TFCS	28652. Not Present
28653. - CHOICE mode	28654. FDD
28655. - TFC subset	28656. Not Present
28657. - UL DCH TFCS	28658.
28659. - CHOICE TFCI signalling	28660. Normal
28661. - TFCI Field 1 information	28662.
28663. - CHOICE TFCS representation	28664. Complete reconfiguration
28665. - TFCS complete reconfigure information	28666.
28667. - CHOICE CTFC Size	28668. ctfc6Bit
28669. - ctfc6Bit	28670. 22

28542. Information Element	28543. Value/remark
- ctfc6	0
-powerOffsetInformation(OP)	
-gainFactorInformation	ComputedGainFactors
- Reference TFC ID	0
- ctfc6	11
-powerOffsetInformation(OP)	
-gainFactorInformation	ComputedGainFactors
- Reference TFC ID	0
- ctfc6	1
-powerOffsetInformation(OP)	
-gainFactorInformation	ComputedGainFactors
- Reference TFC ID	0
- ctfc6	12
-powerOffsetInformation(OP)	
-gainFactorInformation	SignalledGainFactors
-modeSpecificInfo	Fdd
-fdd	
- Gain factor ßc	8
- Gain factor ßd	15
- Reference TFC ID	0
- ctfc6	2
-powerOffsetInformation(OP)	
-gainFactorInformation	ComputedGainFactors
- Reference TFC ID	0
- ctfc6	13
-powerOffsetInformation(OP)	
-gainFactorInformation	ComputedGainFactors
- Reference TFC ID	0
- ctfc6	3
-powerOffsetInformation(OP)	
-gainFactorInformation	ComputedGainFactors
- Reference TFC ID	0
- ctfc6	14
-powerOffsetInformation(OP)	
-gainFactorInformation	ComputedGainFactors
- Reference TFC ID	0
- ctfc6	4
-powerOffsetInformation(OP)	
-gainFactorInformation	ComputedGainFactors
- Reference TFC ID	0
- ctfc6	15
-powerOffsetInformation(OP)	
-gainFactorInformation	ComputedGainFactors
- Reference TFC ID	0
- ctfc6	5
-powerOffsetInformation(OP)	
-gainFactorInformation	ComputedGainFactors
- Reference TFC ID	0
- ctfc6	16
-powerOffsetInformation(OP)	
-gainFactorInformation	ComputedGainFactors
- Reference TFC ID	0
- ctfc6	6
-powerOffsetInformation(OP)	
-gainFactorInformation	ComputedGainFactors
- Reference TFC ID	0
- ctfc6	17
-powerOffsetInformation(OP)	
-gainFactorInformation	ComputedGainFactors
- Reference TFC ID	0
- ctfc6	7
-powerOffsetInformation(OP)	
-gainFactorInformation	ComputedGainFactors

28542. Information Element	28543. Value/remark
- Reference TFC ID	0
- ctfc6	18
-powerOffsetInformation(OP)	
-gainFactorInformation	ComputedGainFactors
- Reference TFC ID	0
- ctfc6	8
-powerOffsetInformation(OP)	
-gainFactorInformation	ComputedGainFactors
- Reference TFC ID	0
- ctfc6	19
-powerOffsetInformation(OP)	
-gainFactorInformation	ComputedGainFactors
- Reference TFC ID	0
- ctfc6	9
-powerOffsetInformation(OP)	
-gainFactorInformation	ComputedGainFactors
- Reference TFC ID	0
- ctfc6	20
-powerOffsetInformation(OP)	
-gainFactorInformation	ComputedGainFactors
- Reference TFC ID	0
- ctfc6	10
-powerOffsetInformation(OP)	
-gainFactorInformation	ComputedGainFactors
- Reference TFC ID	0
- ctfc6	21
-powerOffsetInformation(OP)	
-gainFactorInformation	ComputedGainFactors
- Reference TFC ID	0
28671. Added or Reconfigured UL TrCH information	28672.
28673. -ul-AddReconfTransChInfoList	28674. 1
28675. - Uplink transport channel type	28676. DCH
28677. - UL Transport channel identity	28678. 1
28679. - TFS	28680.
28681. - CHOICE Transport channel type	28682. Dedicated transport channels
-DedicatedDynamicTF-Info	
RLC size	256
-numberOfTbSizeList	
-NumberOfTransportBlocks	Zero
-NumberOfTransportBlocks	One
28683. - Choice Logical Channel List	28684. ALL
RLC size	216
-numberOfTbSizeList	
-NumberOfTransportBlocks	One
RLC size	171
28685. - Choice Logical Channel List	28686. ALL

28542. Information Element	28543. Value/remark
-numberOfTbSizeList	
-NumberOfTransportBlocks	One
28687. - Choice Logical Channel List	28688. ALL
RLC size	160
-numberOfTbSizeList	
-NumberOfTransportBlocks	One
28689. - Choice Logical Channel List	28690. ALL
RLC size	146
-numberOfTbSizeList	
-NumberOfTransportBlocks	one
28691. - Choice Logical Channel List	28692. ALL
RLC size	130
-numberOfTbSizeList	
-NumberOfTransportBlocks	one
28693. - Choice Logical Channel List	28694. ALL
RLC size	115
-numberOfTbSizeList	
-NumberOfTransportBlocks	one
28695. - Choice Logical Channel List	28696. ALL
RLC size	107
-numberOfTbSizeList	
-NumberOfTransportBlocks	one
28697. - Choice Logical Channel List	28698. ALL
RLC size	51
-numberOfTbSizeList	
-NumberOfTransportBlocks	one
28699. - Choice Logical Channel List	28700. ALL
RLC size	12
-numberOfTbSizeList	
-NumberOfTransportBlocks	one
28701. - Choice Logical Channel List	28702. ALL
28703. -Semistatic Transport Format Information	28704.
28705. -Transmission Time interval	28706. 20 ms
28707. - channelCodingType	28708. Convolutional
28709. - convolutional	28710. 1/3
28711.- Rate matching attribute	28712. 256

28542. Information Element	**28543. Value/remark**
28713.- CRC size	28714. 0
28715. DL Transport channel information common for all transport channel	28716.
28717. - SCCPCH TFCS	28718. Not Present
28719. - CHOICE mode	28720. FDD
28721. - CHOICE DL parameters	28722. Explicit
28723. - DL DCH TFCS	28724.
28725. - CHOICE TFCI signalling	28726. Normal
28727. - TFCI Field 1 information	28728.
28729. - CHOICE TFCS representation	28730. Complete reconfiguration
28731. - TFCS complete reconfigure information	28732.
28733. - CHOICE CTFC Size	28734. Ctfc6Bit
28735. - ctfc6Bit	28736. 20
28737. - ctfc6	28738. 9
28739. - ctfc6	28740. 19
28741. - ctfc6	28742. 10
28743. - ctfc6	28744. 1
28745. - ctfc6	28746. 11
28747. - ctfc6	28748. 2
28749. - ctfc6	28750. 12
28751. - ctfc6	28752. 3
28753. - ctfc6	28754. 13
28755. - ctfc6	28756. 4
28757. - ctfc6	28758. 14
28759. - ctfc6	28760. 5
28761. - ctfc6	28762. 15
28763. - ctfc6	28764. 6
28765. - ctfc6	28766. 16
28767. - ctfc6	28768. 7
28769. - ctfc6	28770. 17
28771. - ctfc6	28772. 8
28773. - ctfc6	28774. 18

28542. Information Element	28543. Value/remark
28775. Deleted DL TrCH information	28776. Not Present
28777. Added or Reconfigured DL TrCH information	28778.
28779. -dl-AddReconfTransChInfoList(OP)	28780. 1
28781. - Downlink transport channel type	28782. DCH
28783. - DL Transport channel identity	28784. 6
28785. - CHOICE DL parameters	28786. Explicit
28787. - TFS	28788.
28789. - CHOICE Transport channel type	28790. Dedicated transport channels
-DedicatedDynamicTF-Info	
RLC size	244
-numberOfTbSizeList	
-NumberOfTransportBlocks	One
28791. - Choice Logical Channel List	28792. ALL
RLC size	204
-numberOfTbSizeList	
-NumberOfTransportBlocks	One
RLC size	159
28793. - Choice Logical Channel List	28794. ALL
-numberOfTbSizeList	
-NumberOfTransportBlocks	One
28795. - Choice Logical Channel List	28796. ALL
RLC size	148
-numberOfTbSizeList	
-NumberOfTransportBlocks	One
28797. - Choice Logical Channel List	28798. ALL
RLC size	134
-numberOfTbSizeList	
-NumberOfTransportBlocks	one
28799. - Choice Logical Channel List	28800. ALL
RLC size	118
-numberOfTbSizeList	
-NumberOfTransportBlocks	one
28801. - Choice Logical Channel List	28802. ALL
RLC size	103
-numberOfTbSizeList	
-NumberOfTransportBlocks	one
28803. - Choice Logical Channel List	28804. ALL

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28542. Information Element	28543. Value/remark
RLC size	95
-numberOfTbSizeList	
-NumberOfTransportBlocks	one
28805. - Choice Logical Channel List	28806. ALL
RLC size	39
-numberOfTbSizeList	
-NumberOfTransportBlocks	one
28807. - Choice Logical Channel List	28808. ALL
RLC size	0
-numberOfTbSizeList	
-NumberOfTransportBlocks	one
28809. - Choice Logical Channel List	28810. ALL
28811. -Semistatic Transport Format Information	28812.
28813. -Transmission Time interval	28814. 20 ms
28815. - channelCodingType	28816. Convolutional
28817. - convolutional	28818. 1/3
28819.- Rate matching attribute	28820. 256
28821.- CRC size	28822. 12
28823. - DCH quality target	28824.
28825. - BLER Quality value	28826. -2.0
28827. - Transparent mode signalling info	28828. Not Present
28829. Frequency info	28830. Not Present
28831. Maximum allowed UL TX power	28832. 33 dBm
28833. CHOICE channel requirement	28834. Uplink DPCH info
28835. - Uplink DPCH power control info	28836.
28837. - DPCCH power offset	28838. 0
28839. - PC Preamble	28840. 1 frame
28841. - SRB delay	28842. 7 frames
28843. - Power Control Algorithm	28844. Algorithm1
28845. - TPC step size	28846. 1dB
28847. - Scrambling code type	28848. Long

28542. Information Element	28543. Value/remark
28849. - Scrambling code number	28850. 0
28851. - Number of DPDCH	28852. 1
28853. - spreading factor	28854. 64
28855. - TFCI existence	28856. TRUE
28857. - Number of FBI bit	28858. Not Present(0)
28859. - Puncturing Limit	28860. 1
28861. CHOICE Mode	28862. FDD
28863. - Downlink PDSCH information	28864. Not Present(0)
28865. Downlink information common for all radio links	28866.
28867. - Downlink DPCH info common for all RL	28868. FDD
28869. - Timing indicator	28870. Maintain
28871. - CFN-targetSFN frame offset	28872. Not Present
28873. - Downlink DPCH power control information	28874.
28875. - DPC mode	28876. 0 (single)
28877. - CHOICE mode	28878. FDD
28879. - Power offset $P_{Pilot-DPDCH}$	28880. 0
28881. - DL rate matching restriction information	28882. Not Present
28883. - Spreading factor	28884. 128
28885. - Number of bits for Pilot bits(SF=128,256)	28886. 4
28887. - Fixed or Flexible Position	28888. Fixed
28889. - TFCI existence	28890. FALSE
28891. - DPCH compressed mode info	28892. Not Present
28893. - TX Diversity mode	28894. None
28895. - SSDT information	28896. Not Present
28897. - Default DPCH Offset Value	28898. Not Present
28899. Downlink information for each radio link list	28900.
28901. - Primary CPICH info	28902. Not Present
28903. - Primary scrambling code	28904. 100
28905. - PDSCH with SHO DCH info	28906. Not Present

28542. Information Element	28543. Value/remark
28907. - PDSCH code mapping	28908. Not Present
28909. - Downlink DPCH info for each RL	28910.
28911. - Primary CPICH usage for channel estimation	28912. Primary CPICH may be used
28913. - DPCH frame offset	28914. Set to value Default DPCH Offset Value (as currently stored in SS) mod 38400
28915. - Secondary CPICH info	28916. Not Present
28917. - DL channelisation code	28918.
28919. - Secondary scrambling code	28920. 0
28921. - Spreading factor	28922. 128
28923. - Code number	28924. Set to value stored in SS
28925. - Scrambling code change	28926. No change
28927. - TPC combination index	28928. 0
28929. - SSDT Cell Identity	28930. Not Present
28931. - Closed loop timing adjustment mode	28932. Not Present
28933. - SCCPCH information for FACH	28934. Not Present

Contents of RRC CONNECTION RELEASE message: UM

28935. Information Element	28936. Value/remark
28937. Message Type	28938.
28939. U-RNTI	28940. This IE is set to the following value when the message is transmitted on the DCCCH. When transmitted on CDCCH, this is absent.
28941. - SRNC identity	28942. 0000 0000 0001B
28943. - S-RNTI	28944. 0000 0000 0000 0000 0001B
28945. RRC transaction identifier	28946. Arbitrarily selects an integer between 0 and 3
28947. Integrity check info	28948. This IE is present when this message is transmitted on downlink DCCH. Else, this IE and the sub-IEs are omitted.
28949. - Message authentication code	28950. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.

28951. - RRC Message sequence number	28952. SS provides the value of this IE, from its internal counter.
28953. N308	28954. 2 (for CELL_DCH state). Not Present (for UE in other connected mode states).
28955. Release cause	28956. Normal event
28957. Rplmn information	28958. Not Present

Contents of RRC CONNECTION SETUP message: UM

28959. Information Element	28960. Value/remark
28961. Message Type	28962.
28963. Initial UE identity	28964. Select the same identity as in the IE "Initial UE Identity" in received RRC CONNECTION REQUEST" message
28965. RRC transaction identifier	28966. Arbitrarily selects an integer between 0 and 3
28967. Activation time	28968. Not Present(Now)
28969. New U-RNTI	28970.
28971. - SRNC identity	28972. 0000 0000 0001B
28973. - S-RNTI	28974. 0000 0000 0000 0000 0001B
28975. New C-RNTI	28976. Not Present
28977. RRC State Indicator	28978. CELL_DCH
28979. UTRAN DRX cycle length coefficient	28980. 9
28981. Capability update requirement	28982.
28983. - UE radio access FDD capability update requirement	28984. TRUE
28985. - UE radio access TDD capability update requirement	28986. FALSE
28987. - System specific capability update requirement list	28988. Gsm
28989. Signalling RB information to setup list	28990. 4 SRBs
28991. - Signalling RB information to setup	28992. (UM DCCH for RRC)
28993. - RB identity	28994. Not Present
28995. - CHOICE RLC info type	28996. RLC info
28997. - CHOICE Uplink RLC mode	28998. UM RLC
28999. - Transmission RLC discard	29000. Not Present
29001. - CHOICE Downlink RLC mode	29002. UM RLC

28959. Information Element	28960. Value/remark
29003. - RB mapping info	29004.
29005. - Information for each multiplexing option	29006. 2 RBMuxOptions
29007. - RLC logical channel mapping indicator	29008. Not Present
29009. - Number of RLC logical channels	29010. 1
29011. - Uplink transport channel type	29012. DCH
29013. - UL Transport channel identity	29014. 5
29015. - Logical channel identity	29016. 1
29017. - CHOICE RLC size list	29018. Configured
29019. - MAC logical channel priority	29020. 1
29021. - Downlink RLC logical channel info	29022.
29023. - Number of RLC logical channels	29024. 1
29025. - Downlink transport channel type	29026. DCH
29027. - DL DCH Transport channel identity	29028. 10
29029. - DL DSCH Transport channel identity	29030. Not Present
29031. - Logical channel identity	29032. 1
29033. - RLC logical channel mapping indicator	29034. Not Present
29035. - Number of RLC logical channels	29036. 1
29037. - Uplink transport channel type	29038. RACH
29039. - UL Transport channel identity	29040. Not Present
29041. - Logical channel identity	29042. 1
29043. - CHOICE RLC size list	29044. Configured
29045. - RLC size index	29046. Reference to TS34.108 clause 6 Parameter Set
29047. - MAC logical channel priority	29048. 1
29049. - Downlink RLC logical channel info	29050.
29051. - Number of RLC logical channels	29052. 1

28959. Information Element	28960. Value/remark
29053. - Downlink transport channel type	29054. FACH
29055. - DL DCH Transport channel identity	29056. Not Present
29057. - DL DSCH Transport channel identity	29058. Not Present
29059. - Logical channel identity	29060. 1
29061. - Signalling RB information to setup	29062. (AM DCCH for RRC)
29063. - RB identity	29064. Not Present
29065. - CHOICE RLC info type	29066.
29067. - RLC info	29068.
29069. - CHOICE Uplink RLC mode	29070. AM RLC
29071. - Transmission RLC discard	29072.
29073. - SDU discard mode	29074. No Discard
29075. - MAX_DAT	29076. 15
29077. - Transmission window size	29078. 128
29079. - Timer_RST	29080. 500
29081. - Max_RST	29082. 1
29083. - Polling info	29084.
29085. - Timer_poll_prohibit	29086. 200
29087. - Timer_poll	29088. 200
29089. - Poll_PDU	29090. Not Present
29091. - Poll_SDU	29092. 1
29093. - Last transmission PDU poll	29094. TRUE
29095. - Last retransmission PDU poll	29096. TRUE
29097. - Poll_Windows	29098. 99
29099. - Timer_poll_periodic	29100. Not Present
29101. - CHOICE Downlink RLC mode	29102. AM RLC
29103. - In-sequence delivery	29104. TRUE
29105. - Receiving window size	29106. 128
29107. - Downlink RLC status info	29108.
29109. - Timer_status_prohibit	29110. 200
29111. - Timer_EPC	29112. Not Present

28959. Information Element	28960. Value/remark
29113. - Missing PDU indicator	29114. TRUE
29115. - Timer_STATUS_periodic	29116. Not Present
29117. - RB mapping info	29118.
29119. - Information for each multiplexing option	29120. 2 RBMuxOptions
29121. - RLC logical channel mapping indicator	29122. Not Present
29123. - Number of RLC logical channels	29124. 1
29125. - Uplink transport channel type	29126. DCH
29127. - UL Transport channel identity	29128. 5
29129. - Logical channel identity	29130. 2
29131. - CHOICE RLC size list	29132. Configured
29133. - MAC logical channel priority	29134. 2
29135. - Downlink RLC logical channel info	29136.
29137. - Number of RLC logical channels	29138. 1
29139. - Downlink transport channel type	29140. DCH
29141. - DL DCH Transport channel identity	29142. 10
29143. - DL DSCH Transport channel identity	29144. Not Present
29145. - Logical channel identity	29146. 2
29147. - RLC logical channel mapping indicator	29148. Not Present
29149. - Number of RLC logical channels	29150. 1
29151. - Uplink transport channel type	29152. RACH
29153. - UL Transport channel identity	29154. Not Present
29155. - Logical channel identity	29156. 2
29157. - CHOICE RLC size list	29158. Explicit List
29159. - RLC size index	29160. Reference to TS34.108 clause 6 Parameter Set
29161. - MAC logical channel priority	29162. 2
29163. - Downlink RLC logical channel info	29164.

28959. Information Element	28960. Value/remark
29165. - Number of RLC logical channels	29166. 1
29167. - Downlink transport channel type	29168. FACH
29169. - DL DCH Transport channel identity	29170. Not Present
29171. - DL DSCH Transport channel identity	29172. Not Present
29173. - Logical channel identity	29174. 2
29175. - Signalling RB information to setup	29176. (AM DCCH for NAS_DT High priority)
29177. - RB identity	29178. Not Present
29179. - CHOICE RLC info type	29180.
29181. - RLC info	29182.
29183. - CHOICE Uplink RLC mode	29184. AM RLC
29185. - Transmission RLC discard	29186.
29187. - SDU discard mode	29188. No Discard
29189. - MAX_DAT	29190. 15
29191. - Transmission window size	29192. 128
29193. - Timer_RST	29194. 500
29195. - Max_RST	29196. 1
29197. - Polling info	29198.
29199. - Timer_poll_prohibit	29200. 200
29201. - Timer_poll	29202. 200
29203. - Poll_PDU	29204. Not Present
29205. - Poll_SDU	29206. 1
29207. - Last transmission PDU poll	29208. TRUE
29209. - Last retransmission PDU poll	29210. TRUE
29211. - Poll_Windows	29212. 99
29213. - Timer_poll_periodic	29214. Not Present
29215. - CHOICE Downlink RLC mode	29216. AM RLC
29217. - In-sequence delivery	29218. TRUE
29219. - Receiving window size	29220. 128
29221. - Downlink RLC status info	29222.
29223. - Timer_status_prohibit	29224. 200

28959. Information Element	28960. Value/remark
29225. - Timer_EPC	29226. Not Present
29227. - Missing PDU indicator	29228. TRUE
29229. - Timer_STATUS_periodic	29230. Not Present
29231. - RB mapping info	29232.
29233. - Information for each multiplexing option	29234. 2 RBMuxOptions
29235. - RLC logical channel mapping indicator	29236. Not Present
29237. - Number of RLC logical channels	29238. 1
29239. - Uplink transport channel type	29240. DCH
29241. -UL Transport channel identity	29242. 5
29243. - Logical channel identity	29244. 3
29245. - CHOICE RLC size list	29246. Configured
29247. - MAC logical channel priority	29248. 3
29249. - Downlink RLC logical channel info	29250.
29251. - Number of RLC logical channels	29252. 1
29253. - Downlink transport channel type	29254. DCH
29255. - DL DCH Transport channel identity	29256. 10
29257. - DL DSCH Transport channel identity	29258. Not Present
29259. - Logical channel identity	29260. 3
29261. - RLC logical channel mapping indicator	29262. Not Present
29263. - Number of RLC logical channels	29264. 1
29265. - Uplink transport channel type	29266. RACH
29267. - UL Transport channel identity	29268. Not Present
29269. - Logical channel identity	29270. 3
29271. - CHOICE RLC size list	29272. Explicit List
29273. - RLC size index	29274. Reference to TS34.108 clause 6 Parameter Set
29275. - MAC logical channel priority	29276. 3

28959. Information Element	28960. Value/remark
29277. - Downlink RLC logical channel info	29278.
29279. - Number of RLC logical channels	29280. 1
29281. - Downlink transport channel type	29282. FACH
29283. - DL DCH Transport channel identity	29284. Not Present
29285. - DL DSCH Transport channel identity	29286. Not Present
29287. - Logical channel identity	29288. 3
29289. - Signalling RB information to setup	29290. (AM DCCH for NAS_DT Low priority)
29291. - RB identity	29292. Not Present
29293. - CHOICE RLC info type	29294.
29295. - RLC info	29296.
29297. - CHOICE Uplink RLC mode	29298. AM RLC
29299. - Transmission RLC discard	29300.
29301. - SDU discard mode	29302. No Discard
29303. - MAX_DAT	29304. 15
29305. - Transmission window size	29306. 128
29307. - Timer_RST	29308. 500
29309. - Max_RST	29310. 1
29311. - Polling info	29312.
29313. - Timer_poll_prohibit	29314. 200
29315. - Timer_poll	29316. 200
29317. - Poll_PDU	29318. Not Present
29319. - Poll_SDU	29320. 1
29321. - Last transmission PDU poll	29322. TRUE
29323. - Last retransmission PDU poll	29324. TRUE
29325. - Poll_Windows	29326. 99
29327. - Timer_poll_periodic	29328. Not Present
29329. - CHOICE Downlink RLC mode	29330. AM RLC
29331. - In-sequence delivery	29332. TRUE
29333. - Receiving window size	29334. 128

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28959. Information Element	28960. Value/remark
29335. - Downlink RLC status info	29336.
29337. - Timer_status_prohibit	29338. 200
29339. - Timer_EPC	29340. Not Present
29341. - Missing PDU indicator	29342. TRUE
29343. - Timer_STATUS_periodic	29344. Not Present
29345. - RB mapping info	29346.
29347. - Information for each multiplexing option	29348. 2 RBMuxOptions
29349. - RLC logical channel mapping indicator	29350. Not Present
29351. - Number of RLC logical channels	29352. 1
29353. - Uplink transport channel type	29354. DCH
29355. - UL Transport channel identity	29356. 5
29357. - Logical channel identity	29358. 4
29359. - CHOICE RLC size list	29360. Configured
29361. - MAC logical channel priority	29362. 4
29363. - Downlink RLC logical channel info	29364.
29365. - Number of RLC logical channels	29366. 1
29367. - Downlink transport channel type	29368. DCH
29369. - DL DCH Transport channel identity	29370. 10
29371. - DL DSCH Transport channel identity	29372. Not Present
29373. - Logical channel identity	29374. 4
29375. - RLC logical channel mapping indicator	29376. Not Present
29377. - Number of RLC logical channels	29378. 1
29379. - Uplink transport channel type	29380. RACH
29381. - UL Transport channel identity	29382. Not Present
29383. - Logical channel identity	29384. 4
29385. - CHOICE RLC size list	29386. Explicit List
29387. - RLC size index	29388. Reference to TS34.108 clause 6

28959. Information Element	28960. Value/remark
	Parameter Set
29389. - MAC logical channel priority	29390. 4
29391. - Downlink RLC logical channel info	29392.
29393. - Number of RLC logical channels	29394. 1
29395. - Downlink transport channel type	29396. FACH
29397. - DL DCH Transport channel identity	29398. Not Present
29399. - DL DSCH Transport channel identity	29400. Not Present
29401. - Logical channel identity	29402. 4
29403. UL Transport channel information for all transport channels	29404.
29405. - PRACH TFCS	29406. Not Present
29407. - CHOICE Mode	29408. FDD
29409. - TFC subset	29410. Not Present
29411. - UL DCH TFCS	29412.
29413. - CHOICE TFCI signalling	29414. Normal
29415. - TFCI Field 1 information	29416.
29417. - CHOICE TFCS representation	29418. Complete reconfiguration
29419. - TFCS complete reconfiguration information	29420.
29421. - CHOICE CTFC Size	29422. 2 bit CTFC
29423. - CTFC information	29424. 2 TFCs
29425. - 2bit CTFC	29426. 0
29427. - Power offset Information	29428.
29429. - CHOICE Gain Factors	29430. computedGainFactors
29431. - Reference TFC ID	29432. 0
29433. - CHOICE mode	29434. FDD
29435. - Power offset Pp-m	29436. Not Present
29437. - 2bit CTFC	29438. 1
29439. - Power offset Information	29440.
29441. - CHOICE Gain Factors	29442. signalledGainFactors

28959. Information Element	28960. Value/remark
29443. - CHOICE mode	29444. FDD
29445. - Gain factor ßc	29446. 15
29447. - Gain factor ßd	29448. 15
29449. - Reference TFC ID	29450. 0
29451. - CHOICE mode	29452. FDD
29453. - Power offset Pp-m	29454. Not Present
29455. Added or Reconfigured UL TrCH information list	29456. 1
29457. - Added or Reconfigured UL TrCH information	29458.
29459. - Uplink transport channel type	29460. DCH
29461. - UL Transport channel identity	29462. 5
29463. - TFS	29464.
29465. - CHOICE Transport channel type	29466. Dedicated transport channels
29467. - Dynamic Transport Format Information	29468.
29469. - RLC size	29470. 96 bits
29471. - Number of TBs and TTI List	29472. 2
29473. - Transmission Time Interval	29474. Not Present
29475. - Number of Transport blocks	29476. 0
29477. - Transmission Time Interval	29478. Not Present
29479. - Number of Transport blocks	29480. 1
29481. - CHOICE Logical Channel List	29482. ALL
29483. - Semi-static Transport Format Information	29484.
29485. - Transmission time interval	29486. 40
29487. - Type of channel coding	29488. Convolutional
29489. - Coding Rate	29490. 1/3
29491. - Rate matching attribute	29492. 256
29493. - CRC size	29494. 12
29495. DL Transport channel information common for all transport channel	29496.
29497. - SCCPCH TFCS	29498. Not Present
29499. - CHOICE mode	29500. FDD

28959.Information Element	28960.Value/remark
29501. - CHOICE DL parameters	29502.Same as UL
29503.Added or Reconfigured DL TrCH information list	29504.1
29505. - Added or Reconfigured DL TrCH information	29506.
29507. - Downlink transport channel type	29508.DCH
29509. - DL Transport channel identity	29510.10
29511. - CHOICE DL parameters	29512.SameAasUL
29513. - Uplink transport channel type	29514.DCH
29515. - UL TrCH Identity	29516.5
29517. - DCH quality target	29518.
29519. - BLER Quality value	29520.-2.0
29521.Frequency info	29522.Not Present
29523.Maximum allowed UL TX power	29524.Not Present
29525.CHOICE channel requirement	29526.Uplink DPCH info
29527. - Uplink DPCH power control info	29528.
29529. - DPCCH power offset	29530.-6dB
29531. - PC Preamble	29532.1 frame
29533. - SRB delay	29534.7 frames
29535. - Power Control Algorithm	29536.Algorithm1
29537. - TPC step size	29538.1dB
29539. - CHOICE mode	29540.FDD
29541. - Scrambling code type	29542.Long
29543. - Scrambling code number	29544.0 (0 to 16777215)
29545. - Number of DPDCH	29546.Not Present (1)
29547. - Spreading factor	29548.256
29549. - TFCI existence	29550.TRUE
29551. - Number of FBI bit	29552.Not Present(0)
29553. - Puncturing Limit	29554.1
29555.Downlink information common for all radio links	29556.
29557. - Downlink DPCH info common for all RL	29558.

28959. Information Element	28960. Value/remark
29559. - Timing Indication	29560. Initialise
29561. - CFN-targetSFN frame offset	29562. Not Present
29563. - Downlink DPCH power control information	29564.
29565. - CHOICE mode	29566. FDD
29567. - DPC mode	29568. 0 (single)
29569. - CHOICE mode	29570. FDD
29571. - Power offset P Pilot-DPDCH	29572. 0
29573. - DL rate matching restriction information	29574. Not Present
29575. - Spreading factor	29576. 256
29577. - Fixed or Flexible Position	29578. Fixed
29579. - TFCI existence	29580. FALSE
29581. - CHOICE SF	29582.
29583. - Number of bits for Pilot bits	29584. 8
29585. - DPCH compressed mode info	29586. Not Present
29587. - TX Diversity mode	29588. None
29589. - SSDT information	29590. Not Present
29591. - Default DPCH Offset Value	29592. Arbitrary set to value 0..306688 by step of 512
29593. Downlink information for per radio links list	29594.
29595. -Downlink information for each radio links	29596.
29597. - CHOICE mode	29598. FDD
29599. - Primary CPICH info	29600.
29601. - Primary scrambling code	29602. 100
29603. - PDSCH with SHO DCH info	29604. Not Present
29605. - PDSCH code mapping	29606. Not Present
29607. - Downlink DPCH info for each RL	29608.
29609. - CHOICE mode	29610. FDD
29611. - Primary CPICH usage for channel estimation	29612. Primary CPICH may be used
29613. - DPCH frame offset	29614. Set to value : Default DPCH Offset Value mod 38400

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28959. Information Element	28960. Value/remark
29615. - Secondary CPICH info	29616. Not Present
29617. - DL channelisation code	29618.
29619. - Secondary scrambling code	29620. 1
29621. - Spreading factor	29622. 256
29623. - Code number	29624. 0
29625. - Scrambling code change	29626. Not Present
29627. - TPC combination index	29628. 0
29629. - SSDT Cell Identity	29630. Not Present
29631. - Closed loop timing adjustment mode	29632. Not Present
29633. - SCCPCH information for FACH	29634. Not Present

Contents of SECURITY MODE COMMAND message: AM

29635. Information Element	29636. Value/remark
29637. Message Type	29638.
29639. RRC transaction identifier	29640. Arbitrarily selects an integer between 0 and 3
29641. Integrity check info	29642.
29643. - Message authentication code	29644. Set to an arbitrarily selected 32-bits integer. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
29645. - RRC Message Sequence Number	29646. Set to an arbitrarily selected integer between 0 and 15
29647. Security capability	29648.
29649. - Ciphering algorithm capability	29650.
29651. - UEA0	29652. 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.
29653. - UEA1	29654. 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.
29655. - Spare	29656. Spare 2-15 = FALSE
29657. - Integrity protection algorithm capability	29658. 0000000000000010B (UIA1)

29659.	- UIA1	29660. TRUE
29661.	- Spare	29662. Spare 0 and Spare 2-15 = FALSE
29663. Ciphering mode info		29664. 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.
29665.	- Ciphering mode command	29666. Start/restart
29667.	- Ciphering algorithm	29668. 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
29669.	- Ciphering activation time for DPCH	29670. Not Present
29671.	- Radio bearer downlink ciphering activation time info	29672.
29673.	- Radio bearer activation time	29674.
29675.	- RB identity	29676. 1
29677.	- RLC sequence number	29678. Current RLC SN+2
29679.	- RB identity	29680. 2
29681.	- RLC sequence number	29682. Current RLC SN+2
29683.	- RB identity	29684. 3
29685.	- RLC sequence number	29686. Current RLC SN + 2
29687.	- RB identity	29688. 4
29689.	- RLC sequence number	29690. Current RLC SN + 2
29691. Integrity protection mode info		29692.
29693.	- Integrity protection mode command	29694. Start
29695.	- Downlink integrity protection activation info	29696. Not Present
29697.	- Integrity protection algorithm	29698. UIA1
29699.	- Integrity protection initialisation number	29700. SS selects an arbitrary 32 bits number for FRESH
29701. CN domain identity		29702. CS or PS
29703. UE system specific security capability		29704. Not Checked

9.2.2 Default Message Contents for RF (TDD)

Contents of Activate RB Test Mode message

29705. Information Element	29706. Value/remark
29707. Protocol discriminator	29708. F (Length 1/2)
29709. Skip indicator	29710. 0 (Length 1/2)
29711. Message Type	29712. 44h

Contents of Close UE Test Loop message

29713. Information Element	29714. Value/remark
29715. Protocol discriminator	29716. F (Length 1/2)
29717. Skip indicator	29718. 0 (Length 1/2)
29719. Message Type	29720. 40h
29721. UE test loop mode	29722. 00h
29723. UE test loop mode 1 LB setup	29724. 03h 00h F4h 0Ah

Contents of Open UE Test Loop message

29725. Information Element	29726. Value/remark
29727. Protocol discriminator	29728. F (Length 1/2)
29729. Skip indicator	29730. 0 (Length 1/2)
29731. Message Type	29732. 42h

Contents of PAGING TYPE 1 message: TM (CS)

29733. Information Element	29734. Value/remark
29735. Message Type	29736.
29737. Paging record list	29738.
29739. -Paging record	29740.
29741. - CHOICE Used paging identity	29742. CN identity
29743. - Paging cause	29744. Terminating Streaming Call
29745. - CN domain identity	29746. CS domain
29747. - CHOICE UE identity	29748.
29749. - IMSI (GSM-MAP)	29750. Set to the same octet string as in the IMSI stored in the USIM card
29751. BCCH modification info	29752. Not Present

Contents of PAGING TYPE 1 message: TM (PS)

29753. Information Element	29754. Value/remark
29755. Message Type	29756.
29757. Paging record list	29758.
29759. -Paging record	29760.
29761. - CHOICE Used paging identity	29762. CN identity
29763. - Paging cause	29764. Terminating Interactive Call
29765. - CN domain identity	29766. PS domain
29767. - CHOICE UE identity	29768.
29769. - IMSI (GSM-MAP)	29770. Set to the same octet string as in the IMSI stored in the USIM card
29771. BCCH modification info	29772. Not Present

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

29773. Information Element	29	29775. Value/remark
29776. Message Type	29	29778.
29779. RRC transaction identifier	29	29781. Arbitrarily selects an integer between 0 and 3
29782. Integrity check info	29	29784.
29785. - message authentication code	29	29787. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
29788. - RRC message sequence number	29	29790. SS provides the value of this IE, from its internal counter.
29791. Integrity protection mode info	29	29793. Not Present
29794. Ciphering mode info	29	29796. Not Present

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29773. Information Element	29	29775. Value/remark
29797. Activation time	29	29799. (256+CFN-(CFN MOD 8 + 8))MOD 256
29800. New U-RNTI	29	29802. Not Present
29803. New C-RNTI	29	29805. Not Present
29806. New DSCH-RNTI	29	29808. Not Present
29809. RRC State indicator	29	29811. CELL_DCH
29812. UTRAN DRX cycle length coefficient	29	29814. Not Present
29815. CN information info	29	29817. Not Present
29818. URA identity	29	29820. Not Present
29821. Signalling RB information to setup	29	29823. Not Present
29824. RAB information for setup list	29	29826.
29827. - RAB information for setup	29	29829.
29830. - RAB info	29	29832.
29833. - RAB identity	29	29835. 0000 0001B
		29836. The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.
29837. - CN domain identity	29	29839. CS domain
29840. - NAS Synchronization Indicator	29	29842. Not Present
29843. - Re-establishment timer	29	29845. UseT314
29846. - RB information to setup list	29	29848.
29849. - RB information to setup	29	29851.
29852. - RB identity	29	29854. 10
29855. - PDCP info	29	29857. Not Present
29858. - CHOICE RLC info type	29	29860. RLC info
29861. - CHOICE Uplink RLC mode	29	29863. TM RLC
29864. - Transmission RLC discard	29	29866. Not Present
29867. - Segmentation indication	29	29869. FALSE

29773. Information Element	29	29775. Value/remark
29870. - CHOICE Downlink RLC mode	29	29872. TM RLC
29873. - Segmentation indication	29	29875. FALSE
29876. - RB mapping info	29	29878.
29879. - Information for each multiplexing option	29	29881.
29882. - RLC logical channel mapping indicator	29	29884. Not Present
29885. - Number of uplink RLC logical channels	29	29887. 1
29888. - Uplink transport channel type	29	29890. DCH
29891. - UL Transport channel identity	29	29893. 1
29894. - Logical channel identity	29	29896. Not Present
29897. - CHOICE RLC size list	29	29899. Configured
29900. - MAC logical channel priority	29	29902. 7
29903. - Downlink RLC logical channel info	29	29905.
29906. - Number of downlink RLC logical channels	29	29908. 1
29909. - Downlink transport channel type	29	29911. DCH
29912. - DL DCH Transport channel identity	29	29914. 6
29915. - DL DSCH Transport channel identity	29	29917. Not Present
29918. - Logical channel identity	29	29920. Not Present
29921. RAB information for setup list	29	29923.
29924. - RAB information for setup	29	29926.
29927. - RAB info	29	29929.
29930. - RAB identity	29	29932. 0000 0101B
	29	29933. The first/ leftmost bit of the

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29773. Information Element	29	29775. Value/remark
		bit string contains the most significant bit of the RAB identity.
29934. - CN domain identity	29	29936. PS domain
29937. - NAS Synchronization Indicator	29	29939. Not Present
29940. - Re-establishment timer	29	29942. UseT314
29943. - RB information to setup list	29	29945.
29946. - RB information to setup	29	29948.
29949. - RB identity	29	29951. 20
29952. - PDCP info	29	29954. Not Present
29955. - CHOICE RLC info type	29	29957. RLC info
29958. - CHOICE Uplink RLC mode	29	29960. AM RLC
29961. - Transmission RLC discard	29	29963.
29964. - CHOICE SDU discard mode	29	29966. No discard
29967. - MAX_DAT	29	29969. 15
29970. - Transmission window size	29	29972. 128
29973. - Timer_RST	29	29975. 500
29976. - Max_RST	29	29978. 4
29979. - Polling info	29	29981.
29982. - Timer_poll_prohibit	**29**	**29984.** 200
29985. - Timer_poll	**29**	**29987.** 200
29988. - Poll_SDU	**29**	**29990.** 1
29991. - Last transmission PDU poll	**29**	**29993.** TRUE
29994. - Last retransmission PDU poll	**29**	**29996.** TRUE
29997. - Poll_Windows	**29**	**29999.** 99
30000. - Timer_poll_periodic	30	30002. Not Present
30003. - CHOICE Downlink RLC mode	**30**	**30005.** AM RLC
30006. - In-sequence delivery	**30**	**30008.** TRUE

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29773. Information Element	29	29775. Value/remark
30009. - Receiving window size	30	**30011.** 128
30012. - Downlink RLC status info	30	**30014.**
30015. - Timer_status_prohibit	30	**30017.** 200
30018. - Timer_EPC	30	**30020.** 200
30021. - Missing PDU indicator	30	**30023.** TRUE
30024. - Timer_STATUS_periodic	30	30026. Not Present
30027. - RB mapping info	30	**30029.**
30030. - Information for each multiplexing option	30	**30032.** 2RBMuxOptions
30033. - RLC logical channel mapping indicator	30	**30035.** Not Present
30036. - Number of uplink RLC logical channels	30	**30038.** 1
30039. - Uplink transport channel type	30	**30041.** DCH
30042. - UL Transport channel identity	30	**30044.** 1
30045. - Logical channel identity	30	**30047.** Not Present
30048. - CHOICE RLC size list	30	**30050.** Configured
30051. - MAC logical channel priority	30	**30053.** 8
30054. - Downlink RLC logical channel info	30	**30056.**
30057. - Number of downlink RLC logical channels	30	**30059.** 1
30060. - Downlink transport channel type	30	**30062.** DCH
30063. - DL DCH Transport channel identity	30	**30065.** 6
30066. - DL DSCH Transport channel identity	30	**30068.** Not Present
30069. - Logical channel identity	30	**30071.** Not Present
30072. - RLC logical channel mapping indicator	30	30074. Not Present

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29773. Information Element	29	29775. Value/remark
30075. - Number of uplink RLC logical channels	30	30077. 1
30078. - Uplink transport channel type	30	30080. RACH
30081. - UL Transport channel identity	30	30083. Not Present
30084. - Logical channel identity	30	30086. 7
30087. - CHOICE RLC size list	30	30089. Explicit List
30090. - RLC size index	30	30092. Reference to TS34.108 clause 6 Parameter Set
30093. - MAC logical channel priority	30	30095. 8
30096. - Downlink RLC logical channel info	30	30098.
30099. - Number of downlink RLC logical channels	30	30101. 1
30102. - Downlink transport channel type	30	30104. FACH
30105. - DL DCH Transport channel identity	30	30107. Not Present
30108. - DL DSCH Transport channel identity	30	30110. Not Present
30111. - Logical channel identity	30	30113. Not Present
30114. RB information to be affected list	30	30116. Not Present
30117. Downlink counter synchronisation info	30	30119. Not Present
30120. UL Transport channel information for all transport channels	30	30122.
30123. - PRACH TFCS	30	30125. Not Present
30126. - CHOICE mode	30	30128. TDD

29773. Information Element	29	29775. Value/remark
30129. -Individual UL CCTrCH information	30	30131.
30132. - TFCS ID	30	30134. (This IE is repeated for TFC number.)
30135. - Allowed Transport Format combination	30	0 to MaxTFCvalue-1 (MaxTFCValue is refer to 30137. TS34.108 clause 6 Parameter Set.)
30138. - PRACH TFCS	30	30140. (This IE is repeated for TFC number.)
30141. - CHOICE TFCI signalling	30	30143. Normal
30144. - TFCI Field 1 information	30	30146.
30147. - TFCS complete reconfigure information	30	30149.
30150. - CHOICE TFCS Size	30	Number of used bits must be enough to cover all combinations of CTFC from clauses 6. 30152. Refer to TS34.108 clause 6 Parameter Set
30153. - CTFC information		Not Present
30154. - CHOICE mode		TDD
30155. - Individual UL CCTrCH information		30156. Not Present
30157. Deleted UL TrCH information list	30	**30159.** Not Present
30160. Added or Reconfigured UL TrCH information list	30	30162. 1
30163. - Added or Reconfigured UL TrCH information	30	30165.
30166. - Uplink transport channel type	30	30168. DCH
30169. - UL Transport channel identity	30	30171. 1
30172. - TFS	30	30174.
30175. - CHOICE Transport channel type	30	30177. Dedicated transport channels
30178. - Dynamic Transport Format Information	30	30180.
30181. - RLC size	30	30183. Reference to TS34.108 clause 6.10 Parameter Set

29773.Information Element	29	29775.Value/remark
30184. - Number of TBs and TTI List	30	30186. (This IE is repeated for TFI number.)
30187. - Transmission Time Interval	30	30189. Not Present
30190. - Number of Transport blocks	30	30192. Reference to TS34.108 clause 6.10 Parameter Set
30193. - Transmission Time Interval	30	30195. Not Present
30196. - Number of Transport blocks	30	30198. 1
30199. - CHOICE Logical Channel List	30	30201. ALL
30202. - Semi-static Transport Format Information	30	30204.
30205. - Transmission time interval	30	30207. Reference to TS34.108 clause 6.10 Parameter Set
30208. - Type of channel coding	30	30210. Reference to TS34.108 clause 6.10 Parameter Set
30211. - Coding Rate	30	30213. Reference to TS34.108 clause 6.10 Parameter Set
30214. - Rate matching attribute	30	30216. Reference to TS34.108 clause 6.10 Parameter Set
30217. - CRC size	30	30219. Reference to TS34.108 clause 6.10 Parameter Set
30220. CHOICE mode	30	30222. TDD (no data)
30223. DL Transport channel information common for all transport channel	30	30225.
30226. - SCCPCH TFCS	30	30228. Not Present
30229. - CHOICE mode	30	30231. TDD
30232. - CHOICE DL parameters	30	30234. Independent (Refer to TS34.108 clause 6)
30235. Deleted DL TrCH information list	30	30237. Not Present

29773. Information Element	29	29775. Value/remark
30238. Added or Reconfigured DL TrCH information list	30	30240. 1
30241.　　- Added or Reconfigured DL TrCH information	30	30243.
30244.　　- Downlink transport channel type	30	30246. DCH
30247.　　- DL Transport channel identity	30	30249. 6
30250.　　- CHOICE DL parameters	30	30252. Same as UL
30253.　　- Uplink transport channel type	30	30255. DCH
30256.　　- UL TrCH identity	30	30258. 1
30259.　　- DCH quality target	30	30261.
30262.　　- BLER Quality value	30	30264. Reference to TS34.108 clause 6
30265. Frequency info	30	30267. Not Present
30268. Maximum allowed UL TX power	30	30270. 30dBm
30271. CHOICE channel requirement	30	30273. Uplink DPCH info
30274.　　- Uplink DPCH power control info	30	30276.
30277.　　- CHOICE mode	30	30279. TDD
30280.　　- UL Target SIR	30	30282. Reference to TS34.108 Parameter set.
30283.　　- CHOICE UL OL PC info	30	30285. Individually signalled
30286.　　- CHOICE TDD option	30	30288. 3.84 Mcps
30289.　　- Individual timeslot interference info	30	30291.
30292.　　- Individual timeslot interference	30	30294.
30295.　　- DPCH Constant Value	30	30297. Values are used for open loop power control, section 8

29773. Information Element	29	29775. Value/remark
		in TS 25.331
30298. - CHOICE mode	30	30300. TDD
30301. - Uplink Timing Advance Control	30	30303. Not Present
30304. - UL CCTrCH List	30	30306.
30307. - TFCS Id	30	30309. 1
30310. - Time info	30	30312.
30313. - Activation time	30	30315. (256+CFN-(CFN MOD 8 + 8))MOD 256
30316. - Duration	30	30318. Infinite
30319. - Common timeslot info	30	30321.
30322. - 2nd interleaving mode	30	30324. Reference to TS34.108 clause 6.10 Parameter Set
30325. - TFCI coding	30	30327. Reference to TS34.108 clause 6.10 Parameter Set
30328. - Puncturing Limit	30	30330. Reference to TS34.108 clause 6.10 Parameter Set
30331. - Repetition Period	30	30333. Reference to TS34.108 clause 6.10 Parameter Set
30334. - Repetition Length	30	30336. Reference to TS34.108 clause 6.10 Parameter Set
30337. - First individual timeslot info	30	30339.
30340. - Timeslot number	30	The number of an uplink timeslot that has 30342. unassigned codes.
30343. - TFCI existence	30	30345. TRUE
30346. - Midamble shift and burst type	30	30348.
30349. - CHOICE TDD option	30	30351. 3.84 Mcps
30352. -CHOICE Burst Type	30	30354.
30355. -Type 1	30	30357.
30358. -Midamble Allocation Mode	30	30360. Default

29773. Information Element	29	29775. Value/remark
30361. - Midamble configuration burst type 1 and 3	30	30363. As defined in 3GPP TS 25.221
30364. - First timeslot channelisation codes	30	30366. Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set.
30367. - Channelisation code	30	(i/SF) where i denotes an unassigned code matching the SF specified in TS34.108 clause 30369. 6 Parameter Set.
30370. - CHOICE more timeslots	30	The presence of this IE depends upon the number of resources specified in TS34.108 section 6 and the number of slots in which they 30372. are being assigned.
30373. CHOICE Mode	30	30375. TDD (no data)
30376. Downlink information common for all radio links	30	30378.
30379. - Downlink DPCH info common for all RL	30	30381.
30382. - Timing indicator	30	30384. Maintain
30385. - CFN-targetSFN frame offset	30	30387. Not Present
30388. - Downlink DPCH power control information	30	30390.
30391. - CHOICE mode	30	30393. TDD
30394. - DPC mode	30	30396. 0 (single)
30397. - CHOICE TDD mode	30	30399. 3.84 Mcps (no data)
30400. - Default DPCH Offset Value	30	30402. Not Present
30403. Downlink information for per radio link list	30	30405.
30406. - Downlink information for each radio link	30	30408.
30409. - CHOICE mode	30	30411. TDD

29773. Information Element	29	29775. Value/remark
30412. - Primary CCPCH info	30	30414.
30415. - CHOICE *SyncCase*	30	30417. Sync Case 1
30418. - Timeslot	30	30420. PCCPCH timeslot
30421. - Cell parameters ID	30	30423. 0
30424. - SCTD indicator	30	30426.
30427. - Downlink DPCH info for each RL	30	30429.
30430. - CHOICE mode	30	30432. TDD
30433. - DL CCTrCH List	30	30435.
30436. - TFCS ID	30	30438. 1
30439. - Time info	30	30441.
30442. - Activation time	30	30444. (256+CFN-(CFN mod 8 + 8))mod 256
30445. - Duration	30	30447. infinite
30448. - Common timeslot info	30	30450.
30451. - 2$_{nd}$ interleaving mode	30	30453. Reference to TS34.108
30454. - TFCI coding	30	30456. TRUE
30457. - Puncturing limit	30	30459. Reference to TS34.108 clause 6 Parameter set
30460. - Repetition period	30	30462. 1
30463. - Repetition length	30	30465. Empty
30466. - Downlink DPCH timeslots and codes	30	30468.
30469. - Individual timeslot info	30	30471.
30472. - Timeslot number	30	The number of a downlink timeslot that has 30474. unassigned codes.
30475. - TFCI existence	30	30477. TRUE
30478. - Midamble shift and burst type	30	30480.
30481. - CHOICE TDD option	30	30483. 3.84 Mcps

29773. Information Element	29	29775. Value/remark
30484. -CHOICE Burst Type	30	30486.
30487. -Type 1	30	30489.
30490. -Midamble Allocation Mode	30	30492. Default
30493. - Midamble configuration burst type 1 and 3	30	30495. As defined in 3GPP TS 25.221
30496. - First timeslot channelisation codes	30	30498.

| 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. |||

30499. - First channelisation code	30	(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in 30501. TS34.108 clause 6 Parameter Set..
30502. - Last channelisation code	30	(j/SF) where j is the highest numbered code 30504. that is being assigned in the slot.
30505. - Bitmap	30	Bitmap of the codes that are being assigned in 30507. the slot.
30508. - CHOICE more timeslots	30	The presence of this IE depends upon whether the requirements of TS34.108 clause 6 Parameter Set could be met by the codes that 30510. have been assigned in the first timeslot..
30511. - UL CCTrCH TPC List	30	30513. Not Present
30514. -SCCPCH information for FACH	30	30516. Not Present

30517. Condition	30518. Explanation
30519. A1	30520. This IE is needed for transparent mode. In the case of TX and RX test cases, this IE is selected.
30521. A3	30522. This IE is needed for acknowledged mode.

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

30523. Information Element	30	30525. Value/remark
30526. Message Type	30	30528.
30529. RRC transaction identifier	30	30531. Arbitrarily selects an integer between 0 and 3
30532. Integrity check info	30	30534.
30535. - message authentication code	30	30537. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
30538. - RRC message sequence number	30	30540. SS provides the value of this IE, from its internal counter.
30541. Integrity protection mode info	30	30543. Not Present
30544. Ciphering mode info	30	30546. Not Present
30547. Activation time	30	30549. (256+CFN-(CFN MOD 8 + 8))MOD 256
30550. New U-RNTI	30	30552. Not Present
30553. New C-RNTI	30	30555. Not Present
30556. New DSCH-RNTI	30	30558. Not Present
30559. RRC State indicator	30	30561. CELL_DCH
30562. UTRAN DRX cycle length coefficient	30	30564. Not Present
30565. CN information info	30	30567. Not Present
30568. URA identity	30	30570. Not Present
30571. Signalling RB information to setup	30	30573. Not Present
30574. RAB information for setup list	30	30576.
30577. - RAB information for setup	30	30579.
30580. - RAB info	30	30582.
30583. - RAB identity	30	30585. 0000 0001B
		30586. The first/ leftmost bit of the

30523. Information Element	30	30525. Value/remark
		bit string contains the most significant bit of the RAB identity.
30587. - CN domain identity	30	30589. CS domain
30590. - NAS Synchronization Indicator	30	30592. Not Present
30593. - Re-establishment timer	30	30595. UseT314
30596. - RB information to setup list	30	30598.
30599. - RB information to setup	30	30601.
30602. - RB identity	30	30604. 10
30605. - PDCP info	30	30607. Not Present
30608. - CHOICE RLC info type	30	30610. RLC info
30611. - CHOICE Uplink RLC mode	30	30613. TM RLC
30614. - Transmission RLC discard	30	30616. Not Present
30617. - Segmentation indication	30	30619. FALSE
30620. - CHOICE Downlink RLC mode	30	30622. TM RLC
30623. - Segmentation indication	30	30625. FALSE
30626. - RB mapping info	30	30628.
30629. - Information for each multiplexing option	30	30631.
30632. - RLC logical channel mapping indicator	30	30634. Not Present
30635. - Number of uplink RLC logical channels	30	30637. 1
30638. - Uplink transport channel type	30	30640. DCH
30641. - UL Transport channel identity	30	30643. 1
30644. - Logical channel identity	30	30646. Not Present
30647. - CHOICE RLC size list	30	30649. Configured
30650. - MAC logical channel priority	30	30652. 7

30523. Information Element	30	30525. Value/remark
30653. - Downlink RLC logical channel info	30	30655.
30656. - Number of downlink RLC logical channels	30	30658. 1
30659. - Downlink transport channel type	30	30661. DCH
30662. - DL DCH Transport channel identity	30	30664. 6
30665. - DL DSCH Transport channel identity	30	30667. Not Present
30668. - Logical channel identity	30	30670. Not Present
30671. RAB information for setup list	30	30673.
30674. - RAB information for setup	30	30676.
30677. - RAB info	30	30679.
30680. - RAB identity	30	30682. 0000 0101B
		30683. The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.
30684. - CN domain identity	30	30686. PS domain
30687. - NAS Synchronization Indicator	30	30689. Not Present
30690. - Re-establishment timer	30	30692. UseT314
30693. - RB information to setup list	30	30695.
30696. - RB information to setup	30	30698.
30699. - RB identity	30	30701. 20
30702. - PDCP info	30	30704. Not Present
30705. - CHOICE RLC info type	30	30707. RLC info
30708. - CHOICE Uplink RLC mode	30	30710. AM RLC
30711. - Transmission RLC discard	30	30713.
30714. - CHOICE SDU discard mode	30	30716. No discard
30717. - MAX_DAT	30	30719. 15

30523. Information Element	30	30525. Value/remark
30720. - Transmission window size	30	30722. 128
30723. - Timer_RST	30	30725. 500
30726. - Max_RST	30	30728. 4
30729. - Polling info	30	30731.
30732. - Timer_poll_prohibit	30	**30734.** 200
30735. - Timer_poll	30	**30737.** 200
30738. - Poll_SDU	30	**30740.** 1
30741. - Last transmission PDU poll	30	**30743.** TRUE
30744. - Last retransmission PDU poll	30	**30746.** TRUE
30747. - Poll_Windows	30	**30749.** 99
30750. - Timer_poll_periodic	30	30752. Not Present
30753. - CHOICE Downlink RLC mode	30	**30755.** AM RLC
30756. - In-sequence delivery	30	**30758.** TRUE
30759. - Receiving window size	30	**30761.** 128
30762. - Downlink RLC status info	30	**30764.**
30765. - Timer_status_prohibit	30	**30767.** 200
30768. - Timer_EPC	30	**30770.** 200
30771. - Missing PDU indicator	30	**30773.** TRUE
30774. - Timer_STATUS_periodic	30	30776. Not Present
30777. - RB mapping info	30	**30779.**
30780. - Information for each multiplexing option	30	**30782.** 2RBMuxOptions
30783. - RLC logical channel mapping indicator	30	**30785.** Not Present
30786. - Number of uplink RLC logical channels	30	**30788.** 1
30789. - Uplink transport channel type	30	**30791.** DCH
30792. - UL Transport channel identity	30	**30794.** 1

30523. Information Element	**30**	**30525. Value/remark**
30795. - Logical channel identity	**30**	**30797.** Not Present
30798. - CHOICE RLC size list	**30**	**30800.** Configured
30801. - MAC logical channel priority	**30**	**30803.** 8
30804. - Downlink RLC logical channel info	**30**	**30806.**
30807. - Number of downlink RLC logical channels	**30**	**30809.** 1
30810. - Downlink transport channel type	**30**	**30812.** DCH
30813. - DL DCH Transport channel identity	**30**	**30815.** 6
30816. - DL DSCH Transport channel identity	**30**	**30818.** Not Present
30819. - Logical channel identity	**30**	**30821.** Not Present
30822. - RLC logical channel mapping indicator	**30**	30824. Not Present
30825. - Number of uplink RLC logical channels	**30**	**30827.** 1
30828. - Uplink transport channel type	**30**	**30830.** RACH
30831. - UL Transport channel identity	**30**	**30833.** Not Present
30834. - Logical channel identity	**30**	**30836.** 7
30837. - CHOICE RLC size list	**30**	**30839.** Explicit List
30840. - RLC size index	**30**	**30842.** Reference to TS34.108 clause 6 Parameter Set
30843. - MAC logical channel priority	**30**	**30845.** 8
30846. - Downlink RLC logical channel info	**30**	**30848.**
30849. - Number of downlink RLC logical channels	**30**	**30851.** 1
30852. - Downlink transport channel type	**30**	**30854.** FACH

30523. Information Element	**30**	**30525. Value/remark**
30855. - DL DCH Transport channel identity	**30**	**30857.** Not Present
30858. - DL DSCH Transport channel identity	**30**	**30860.** Not Present
30861. - Logical channel identity	**30**	**30863.** Not Present
30864. RB information to be affected list	30	30866. Not Present
30867. Downlink counter synchronisation info	30	30869. Not Present
30870. UL Transport channel information for all transport channels	30	30872.
30873. - PRACH TFCS	30	30875. Not Present
30876. - CHOICE mode	30	30878. TDD
30879. -Individual UL CCTrCH information	30	30881.
30882. - TFCS ID	30	30884. (This IE is repeated for TFC number.)
30885. - Allowed Transport Format combination	30	0 to MaxTFCvalue-1 (MaxTFCValue is refer to 30887. TS34.108 clause 6 Parameter Set.)
30888. - PRACH TFCS	30	30890. (This IE is repeated for TFC number.)
30891. - CHOICE TFCI signalling	30	30893. Normal
30894. - TFCI Field 1 information	30	30896.
30897. - TFCS complete reconfigure information	30	30899.
30900. - CHOICE TFCS Size	30	Number of used bits must be enough to cover all combinations of CTFC from clauses 6. 30902. Refer to TS34.108 clause 6 Parameter Set
30903. - CTFC information		Not Present

30523. Information Element	30	30525. Value/remark
30904. - CHOICE mode		TDD
30905. - Individual UL CCTrCH information		30906. Not Present
30907. Deleted UL TrCH information list	30	**30909.** Not Present
30910. Added or Reconfigured UL TrCH information list	30	30912. 1
30913. - Added or Reconfigured UL TrCH information	30	30915.
30916. - Uplink transport channel type	30	30918. DCH
30919. - UL Transport channel identity	30	30921. 1
30922. - TFS	30	30924.
30925. - CHOICE Transport channel type	30	30927. Dedicated transport channels
30928. - Dynamic Transport Format Information	30	30930.
30931. - RLC size	30	30933. Reference to TS34.108 clause 6 Parameter Set
30934. - Number of TBs and TTI List	30	30936. (This IE is repeated for TFI number.)
30937. - Transmission Time Interval	30	30939. Not Present
30940. - Number of Transport blocks	30	30942. Reference to TS34.108 clause 6 Parameter Set
30943. - Transmission Time Interval	30	30945. Not Present
30946. - Number of Transport blocks	30	30948. 1
30949. - CHOICE Logical Channel List	30	30951. ALL
30952. - Semi-static Transport Format Information	30	30954.
30955. - Transmission time interval	30	30957. Reference to TS34.108 clause 6 Parameter Set
30958. - Type of channel coding	30	30960. Reference to TS34.108 clause 6 Parameter Set
30961. - Coding Rate	30	30963. Reference to TS34.108 clause 6 Parameter Set
30964. - Rate matching attribute	30	30966. Reference to TS34.108

30523.Information Element	30	30525.Value/remark
		clause 6 Parameter Set
30967. - CRC size	30	30969. Reference to TS34.108 clause 6 Parameter Set
30970. CHOICE mode	30	30972. TDD (no data)
30973. DL Transport channel information common for all transport channel	30	30975.
30976. - SCCPCH TFCS	30	30978. Not Present
30979. - CHOICE mode	30	30981. TDD
30982. - CHOICE DL parameters	30	30984. Independent (Refer to TS34.108 clause 6)
30985. Deleted DL TrCH information list	30	30987. Not Present
30988. Added or Reconfigured DL TrCH information list	30	30990. 1
30991. - Added or Reconfigured DL TrCH information	30	30993.
30994. - Downlink transport channel type	30	30996. DCH
30997. - DL Transport channel identity	30	30999. 6
31000. - CHOICE DL parameters	31	31002. Same as UL
31003. - Uplink transport channel type	31	31005. DCH
31006. - UL TrCH identity	31	31008. 1
31009. - DCH quality target	31	31011.
31012. - BLER Quality value	31	31014. Reference to TS34.108 clause 6
31015. Frequency info	31	31017. Not Present

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30523. Information Element	30	30525. Value/remark
31018. Maximum allowed UL TX power	31	31020. 30dBm
31021. CHOICE channel requirement	31	31023. Uplink DPCH info
31024. - Uplink DPCH power control info	31	31026.
31027. - CHOICE mode	31	31029. TDD
31030. - UL Target SIR	31	31032. Reference to TS34.108 Parameter set.
31033. - CHOICE UL OL PC info	31	31035. Individually signalled
31036. - CHOICE TDD option	31	31038. 1.28 Mcps
31039. - TPC step size	31	31041. 1 dB
31042. - Primary CCPCH Tx Power	31	31044. Not Present
31045. - CHOICE mode	31	31047. TDD
31048. - Uplink Timing Advance Control	31	31050. Not Present
31051. - UL CCTrCH List	31	31053.
31054. - TFCS Id	31	31056. 1
31057. - Time info	31	31059.
31060. - Activation time	31	31062. (256+CFN-(CFN MOD 8 + 8))MOD 256
31063. - Duration	31	31065. Infinite
31066. - Common timeslot info	31	31068.
31069. - 2nd interleaving mode	31	31071. Reference to TS34.108 clause 6 Parameter Set
31072. - TFCI coding	31	31074. Reference to TS34.108 clause 6 Parameter Set
31075. - Puncturing Limit	31	31077. Reference to TS34.108 clause 6 Parameter Set
31078. - Repetition Period	31	31080. Reference to TS34.108 clause 6 Parameter Set
31081. - Repetition Length	31	31083. Reference to TS34.108

30523. Information Element	30	30525. Value/remark
		clause 6 Parameter Set
31084. - First individual timeslot info	31	31086.
31087. - Timeslot number	31	The number of an uplink timeslot that has 31089. unassigned codes.
31090. - TFCI existence	31	31092. TRUE
31093. - Midamble shift and burst type	31	31095.
31096. - CHOICE TDD option	31	31098. 1.28 Mcps
31099. - Midamble allocation mode	31	31101. Default
31102. - Midamble configuration	31	31104. 16
31105. - CHOICE TDD option	31	31107. 1.28 Mcps TDD
31108. - Modulation	31	31110. QPSK
31111. - SS-TPC Symbols	31	31113. 1
31114. - CHOICE Mode	31	31116. TDD
31117. - First timeslot channelisation codes	31	31119. Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set.
31120. - Channelisation code	31	(i/SF) where i denotes an unassigned code matching the SF specified in TS34.108 clause 31122. 6 Parameter Set.
31123. - CHOICE more timeslots	31	The presence of this IE depends upon the number of resources specified in TS34.108 section 6 and the number of slots in which they 31125. are being assigned.
31126. CHOICE Mode	31	31128. TDD (no data)
31129. Downlink information common for all radio links	31	31131.
31132. - Downlink DPCH info common	31	31134.

30523. Information Element	30	30525. Value/remark
for all RL		
31135. - Timing indicator	31	31137. Maintain
31138. - CFN-targetSFN frame offset	31	31140. Not Present
31141. - Downlink DPCH power control information	31	31143.
31144. - CHOICE mode	31	31146. TDD
31147. - TPC step size	31	31149. 1 dB
31150. - CHOICE TDD mode	31	31152. 1.28 Mcps
31153. - TSTD indicator	31	31155. TRUE
31156. - Default DPCH Offset Value	31	31158. Not Present
31159. Downlink information for per radio link list	31	31161.
31162. - Downlink information for each radio link	31	31164.
31165. - CHOICE mode	31	31167. TDD
31168. - Primary CCPCH info	31	31170.
31171. - CHOICE TDD option	31	31173. 1.28 Mcps
31174. - TSTD indicator	31	31176. TRUE
31177. - Cell parameters ID	31	31179. 0
31180. - Block STTD indicator	31	31182. FALSE
31183. - Downlink DPCH info for each RL	31	31185.
31186. - CHOICE mode	31	31188. TDD
31189. - DL CCTrCH List	31	31191.
31192. - TFCS ID	31	31194. 1
31195. - Time info	31	31197.
31198. - Activation time	31	31200. (256+CFN-(CFN mod 8 + 8))mod 256
31201. - Duration	31	31203. Infinite

30523. Information Element	30	30525. Value/remark
31204. - Common timeslot info	31	31206.
31207. - 2_{nd} interleaving mode	31	31209. Reference to TS34.108
31210. - TFCI coding	31	31212. TRUE
31213. - Puncturing limit	31	31215. Reference to TS34.108 clause 6 Parameter set
31216. - Repetition period	31	31218. 1
31219. - Repetition length	31	31221. Empty
31222. - Downlink DPCH timeslots and codes	31	31224.
31225. - Individual timeslot info	31	31227.
31228. - Timeslot number	31	The number of a downlink timeslot that has 31230. unassigned codes.
31231. - TFCI existence	31	31233. TRUE
31234. - Midamble shift and burst type	31	31236.
31237. - CHOICE TDD option	31	31239. 1.28 Mcps
31240. -Midamble Allocation Mode	31	31242. Default
31243. - Midamble configuration	31	31245. 16
31246. - Modulation	31	31248. QPSK
31249. - SS-TPC Symbols	31	31251. 1
31252. - First timeslot channelisation codes	31	31254.
31255. - First channelisation code	31	(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in 31257. TS34.108 clause 6 Parameter Set..
31258. - Last channelisation code	31	(j/SF) where j is the highest numbered code 31260. that is being assigned in the slot.
31261. - Bitmap	31	Bitmap of the codes that are being assigned in 31263. the slot.
31264. - CHOICE more	31	The presence of this IE depends upon whether the requirements of TS34.108 clause 6

30523. Information Element	30	30525. Value/remark
timeslots		Parameter Set could be met by the codes that 31266. have been assigned in the first timeslot..
31267. - UL CCTrCH TPC List	31	31269. Not Present
31270. -SCCPCH information for FACH	31	31272. Not Present

31273. Condition	31274. Explanation
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.	
31275. A1	31276. This IE is needed for transparent mode. In the case of TX and RX test cases, this IE is selected.
31277. A3	31278. This IE is needed for acknowledged mode.

Contents of RRC CONNECTION RELEASE message: UM

31279. Information Element	31280. Value/remark
31281. Message Type	31282.
31283. U-RNTI	31284. This IE is set to the following value when the message is transmitted on the DCCCH. When transmitted on CDCCH, this is absent.
31285. - SRNC identity	31286. 0000 0000 0001B
31287. - S-RNTI	31288. 0000 0000 0000 0000 0001B
31289. RRC transaction identifier	31290. Arbitrarily selects an integer between 0 and 3
31291. Integrity check info	31292. This IE is present when this message is transmitted on downlink DCCH. Else, this IE and the sub-IEs are omitted.
31293. - Message authentication code	31294. SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
31295. - RRC Message sequence number	31296. SS provides the value of this IE, from its internal counter.

31297. N308	31298. 2 (for CELL_DCH state). Not Present (for UE in other connected mode states).
31299. Release cause	31300. Normal event
31301. Rplmn information	31302. Not Present

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

31303. Information Element	31304. Value/remark
31305. Message Type	31306.
31307. Initial UE identity	31308. Select the same identity as in the IE "Initial UE Identity" in received RRC CONNECTION REQUEST" message
31309. RRC transaction identifier	31310. Arbitrarily selects an integer between 0 and 3
31311. Activation time	31312. Not Present(Now)
31313. New U-RNTI	31314.
31315. - SRNC identity	31316. 0000 0000 0001B
31317. - S-RNTI	31318. 0000 0000 0000 0000 0001B
31319. New C-RNTI	31320. Not Present
31321. RRC State Indicator	31322. CELL_DCH
31323. UTRAN DRX cycle length coefficient	31324. 9
31325. Capability update requirement	31326.
31327. - UE radio access FDD capability update requirement	31328. FALSE
31329. - UE radio access TDD capability update requirement	31330. TRUE
31331. - System specific capability update requirement list	31332. Gsm
31333. Signalling RB information to setup list	31334. 4 SRBs
31335. - Signalling RB information to setup	31336. (UM DCCH for RRC)
31337. - RB identity	31338. Not Present
31339. - CHOICE RLC info type	31340. RLC info
31341. - CHOICE Uplink RLC mode	31342. UM RLC
31343. - Transmission RLC discard	31344. Not Present
31345. - CHOICE Downlink RLC mode	31346. UM RLC
31347. - RB mapping info	31348.

31303. Information Element	31304. Value/remark
31349. - Information for each multiplexing option	31350. 2 RBMuxOptions
31351. - RLC logical channel mapping indicator	31352. Not Present
31353. - Number of RLC logical channels	31354. 1
31355. - Uplink transport channel type	31356. DCH
31357. - UL Transport channel identity	31358. 5
31359. - Logical channel identity	31360. 1
31361. - CHOICE RLC size list	31362. Configured
31363. - MAC logical channel priority	31364. 1
31365. - Downlink RLC logical channel info	31366.
31367. - Number of RLC logical channels	31368. 1
31369. - Downlink transport channel type	31370. DCH
31371. - DL DCH Transport channel identity	31372. 10
31373. - DL DSCH Transport channel identity	31374. Not Present
31375. - Logical channel identity	31376. 1
31377. - RLC logical channel mapping indicator	31378. Not Present
31379. - Number of RLC logical channels	31380. 1
31381. - Uplink transport channel type	31382. RACH
31383. - UL Transport channel identity	31384. Not Present
31385. - Logical channel identity	31386. 1
31387. - CHOICE RLC size list	31388. Configured
31389. - RLC size index	31390. Reference to TS34.108 clause 6 Parameter Set
31391. - MAC logical channel priority	31392. 1
31393. - Downlink RLC logical channel info	31394.
31395. - Number of RLC logical channels	31396. 1

31303. Information Element	31304. Value/remark
31397. - Downlink transport channel type	31398. FACH
31399. - DL DCH Transport channel identity	31400. Not Present
31401. - DL DSCH Transport channel identity	31402. Not Present
31403. - Logical channel identity	31404. 1
31405. - Signalling RB information to setup	31406. (AM DCCH for RRC)
31407. - RB identity	31408. Not Present
31409. - CHOICE RLC info type	31410.
31411. - RLC info	31412.
31413. - CHOICE Uplink RLC mode	31414. AM RLC
31415. - Transmission RLC discard	31416.
31417. - SDU discard mode	31418. No Discard
31419. - MAX_DAT	31420. 415
31421. - Transmission window size	31422. 128
31423. - Timer_RST	31424. 500
31425. - Max_RST	31426. 4
31427. - Polling info	31428.
31429. - Timer_poll_prohibit	31430. 200
31431. - Timer_poll	31432. 200
31433. - Poll_PDU	31434. Not Present
31435. - Poll_SDU	31436. 1
31437. - Last transmission PDU poll	31438. TRUE
31439. - Last retransmission PDU poll	31440. TRUE
31441. - Poll_Windows	31442. 99
31443. - Timer_poll_periodic	31444. Not Present
31445. - CHOICE Downlink RLC mode	31446. AM RLC
31447. - In-sequence delivery	31448. TRUE
31449. - Receiving window size	31450. 128
31451. - Downlink RLC status info	31452.
31453. - Timer_status_prohibit	31454. 200
31455. - Timer_EPC	31456. Not Present

31303. Information Element	31304. Value/remark
31457. - Missing PDU indicator	31458. TRUE
31459. - Timer_STATUS_periodic	31460. Not Present
31461. - RB mapping info	31462.
31463. - Information for each multiplexing option	31464. 2 RBMuxOptions
31465. - RLC logical channel mapping indicator	31466. Not Present
31467. - Number of RLC logical channels	31468. 1
31469. - Uplink transport channel type	31470. DCH
31471. - UL Transport channel identity	31472. 5
31473. - Logical channel identity	31474. 2
31475. - CHOICE RLC size list	31476. Configured
31477. - MAC logical channel priority	31478. 2
31479. - Downlink RLC logical channel info	31480.
31481. - Number of RLC logical channels	31482. 1
31483. - Downlink transport channel type	31484. DCH
31485. - DL DCH Transport channel identity	31486. 10
31487. - DL DSCH Transport channel identity	31488. Not Present
31489. - Logical channel identity	31490. 2
31491. - RLC logical channel mapping indicator	31492. Not Present
31493. - Number of RLC logical channels	31494. 1
31495. - Uplink transport channel type	31496. RACH
31497. - UL Transport channel identity	31498. Not Present
31499. - Logical channel identity	31500. 2
31501. - CHOICE RLC size list	31502. Explicit List
31503. - RLC size index	31504. Reference to TS34.108 clause 6 Parameter Set
31505. - MAC logical channel priority	31506. 2

31303. Information Element	31304. Value/remark
31507.　　　- Downlink RLC logical channel info	31508.
31509.　　　- Number of RLC logical channels	31510. 1
31511.　　　- Downlink transport channel type	31512. FACH
31513.　　　- DL DCH Transport channel identity	31514. Not Present
31515.　　　- DL DSCH Transport channel identity	31516. Not Present
31517.　　　- Logical channel identity	31518. 2
31519. - Signalling RB information to setup	31520. (AM DCCH for NAS_DT High priority)
31521.　　　- RB identity	31522. Not Present
31523.　　　- CHOICE RLC info type	31524.
31525.　　　- RLC info	31526.
31527.　　　- CHOICE Uplink RLC mode	31528. AM RLC
31529.　　　- Transmission RLC discard	31530.
31531.　　　- SDU discard mode	31532. No Discard
31533.　　　- MAX_DAT	31534. 415
31535.　　　- Transmission window size	31536. 128
31537.　　　- Timer_RST	31538. 500
31539.　　　- Max_RST	31540. 4
31541.　　　- Polling info	31542.
31543.　　　- Timer_poll_prohibit	31544. 200
31545.　　　- Timer_poll	31546. 200
31547.　　　- Poll_PDU	31548. Not Present
31549.　　　- Poll_SDU	31550. 1
31551.　　　- Last transmission PDU poll	31552. TRUE
31553.　　　- Last retransmission PDU poll	31554. TRUE
31555.　　　- Poll_Windows	31556. 99
31557.　　　- Timer_poll_periodic	31558. Not Present
31559.　　　- CHOICE Downlink RLC mode	31560. AM RLC
31561.　　　- In-sequence delivery	31562. TRUE

31303. Information Element	31304. Value/remark
31563. - Receiving window size	31564. 128
31565. - Downlink RLC status info	31566.
31567. - Timer_status_prohibit	31568. 200
31569. - Timer_EPC	31570. Not Present
31571. - Missing PDU indicator	31572. TRUE
31573. - Timer_STATUS_periodic	31574. Not Present
31575. - RB mapping info	31576.
31577. - Information for each multiplexing option	31578. 2 RBMuxOptions
31579. - RLC logical channel mapping indicator	31580. Not Present
31581. - Number of RLC logical channels	31582. 1
31583. - Uplink transport channel type	31584. DCH
31585. -UL Transport channel identity	31586. 5
31587. - Logical channel identity	31588. 3
31589. - CHOICE RLC size list	31590. Configured
31591. - MAC logical channel priority	31592. 3
31593. - Downlink RLC logical channel info	31594.
31595. - Number of RLC logical channels	31596. 1
31597. - Downlink transport channel type	31598. DCH
31599. - DL DCH Transport channel identity	31600. 10
31601. - DL DSCH Transport channel identity	31602. Not Present
31603. - Logical channel identity	31604. 3
31605. - RLC logical channel mapping indicator	31606. Not Present
31607. - Number of RLC logical channels	31608. 1
31609. - Uplink transport channel type	31610. RACH
31611. - UL Transport channel identity	31612. Not Present
31613. - Logical channel identity	31614. 3

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31303. Information Element	31304. Value/remark
31615. - CHOICE RLC size list	31616. Explicit List
31617. - RLC size index	31618. Reference to TS34.108 clause 6 Parameter Set
31619. - MAC logical channel priority	31620. 3
31621. - Downlink RLC logical channel info	31622.
31623. - Number of RLC logical channels	31624. 1
31625. - Downlink transport channel type	31626. FACH
31627. - DL DCH Transport channel identity	31628. Not Present
31629. - DL DSCH Transport channel identity	31630. Not Present
31631. - Logical channel identity	31632. 3
31633. - Signalling RB information to setup	31634. (AM DCCH for NAS_DT Low priority)
31635. - RB identity	31636. Not Present
31637. - CHOICE RLC info type	31638.
31639. - RLC info	31640.
31641. - CHOICE Uplink RLC mode	31642. AM RLC
31643. - Transmission RLC discard	31644.
31645. - SDU discard mode	31646. No Discard
31647. - MAX_DAT	31648. 15
31649. - Transmission window size	31650. 128
31651. - Timer_RST	31652. 500
31653. - Max_RST	31654. 4
31655. - Polling info	31656.
31657. - Timer_poll_prohibit	31658. 200
31659. - Timer_poll	31660. 200
31661. - Poll_PDU	31662. Not Present
31663. - Poll_SDU	31664. 1
31665. - Last transmission PDU poll	31666. TRUE
31667. - Last retransmission PDU poll	31668. TRUE
31669. - Poll_Windows	31670. 99

31303. Information Element	31304. Value/remark
31671. - Timer_poll_periodic	31672. Not Present
31673. - CHOICE Downlink RLC mode	31674. AM RLC
31675. - In-sequence delivery	31676. TRUE
31677. - Receiving window size	31678. 128
31679. - Downlink RLC status info	31680.
31681. - Timer_status_prohibit	31682. 200
31683. - Timer_EPC	31684. Not Present
31685. - Missing PDU indicator	31686. TRUE
31687. - Timer_STATUS_periodic	31688. Not Present
31689. - RB mapping info	31690.
31691. - Information for each multiplexing option	31692. 2 RBMuxOptions
31693. - RLC logical channel mapping indicator	31694. Not Present
31695. - Number of RLC logical channels	31696. 1
31697. - Uplink transport channel type	31698. DCH
31699. - UL Transport channel identity	31700. 5
31701. - Logical channel identity	31702. 4
31703. - CHOICE RLC size list	31704. Configured
31705. - MAC logical channel priority	31706. 4
31707. - Downlink RLC logical channel info	31708.
31709. - Number of RLC logical channels	31710. 1
31711. - Downlink transport channel type	31712. DCH
31713. - DL DCH Transport channel identity	31714. 10
31715. - DL DSCH Transport channel identity	31716. Not Present
31717. - Logical channel identity	31718. 4
31719. - RLC logical channel mapping indicator	31720. Not Present
31721. - Number of RLC logical channels	31722. 1

31303. Information Element	31304. Value/remark
31723. - Uplink transport channel type	31724. RACH
31725. - UL Transport channel identity	31726. Not Present
31727. - Logical channel identity	31728. 4
31729. - CHOICE RLC size list	31730. Explicit List
31731. - RLC size index	31732. Reference to TS34.108 clause 6 Parameter Set
31733. - MAC logical channel priority	31734. 4
31735. - Downlink RLC logical channel info	31736.
31737. - Number of RLC logical channels	31738. 1
31739. - Downlink transport channel type	31740. FACH
31741. - DL DCH Transport channel identity	31742. Not Present
31743. - DL DSCH Transport channel identity	31744. Not Present
31745. - Logical channel identity	31746. 4
31747. UL Transport channel information for all transport channels	31748.
31749. - PRACH TFCS	31750. Not Present
31751. - CHOICE Mode	31752. TDD
31753. -Individual UL CCTrCH information	31754.
31755. - UL TFCS ID	31756. (This IE is repeated for TFC number.)
31757. - UL TFCS	31758.
31759. - TFC subset	Default value is the complete existing set of transport format combinations
31760. - Allowed Transport Format combination	0 to MaxTFCvalue-1 (MaxTFCValue is refer to 31761. TS34.108 clause 6 Parameter Set.)
31762. - PRACH TFCS	31763. (This IE is repeated for TFC number.)
31764. - CHOICE TFCI signalling	31765. Normal
31766. - TFCI Field 1 information	31767.
31768. - TFCS complete reconfigure information	31769.
31770. - CHOICE TFCS Size	Number of used bits must be enough to cover all combinations of CTFC from clauses 6. 31771. Refer to TS34.108 clause 6 Parameter

31303. Information Element	31304. Value/remark
	Set
31772. - CTFC information	31773. Not Present
31774. - CHOICE mode	31775. TDD
31776. - Individual UL CCTrCH information	31777. Not Present
31778. Deleted TrCH information list	31779. Not Present
31780. Added or Reconfigured UL TrCH information list	31781. 1
31782. - Added or Reconfigured UL TrCH information	31783.
31784. - Uplink transport channel type	31785. DCH
31786. - UL Transport channel identity	31787. 5
31788. - TFS	31789.
31790. - CHOICE Transport channel type	31791. Dedicated transport channels
31792. - Dynamic Transport Format Information	31793.
31794. - RLC size	31795. According to TS34.108 clause 6
31796. - Number of TBs and TTI List	31797. (This IE is repeated for TFI number)
31798. - CHOICE mode	31799. TDD
31800. - Transmission Time Interval	31801. According to TS34.108 clause 6
31802. - CHOICE Logical channel list	31803. All
31804. - Semi-static Transport Format information	31805.
31806. DL Transport channel information common for all transport channel	31807.
31808. - SCCPCH TFCS	31809. Not Present
31810. - CHOICE mode	31811. TDD
31812. - CHOICE DL parameters	31813. Same as UL
31814. Added or Reconfigured DL TrCH information list	31815. 1
31816. - Added or Reconfigured DL TrCH information	31817.
31818. - Downlink transport channel type	31819. DCH
31820. - DL Transport channel identity	31821. 10
31822. - CHOICE DL parameters	31823. Same as UL

31303. Information Element	31304. Value/remark
31824. - Uplink transport channel type	31825. DCH
31826. - UL TrCH Identity	31827. 5
31828. - DCH quality target	31829.
31830. - BLER Quality value	31831. Reference to TS 34.108
31832. Frequency info	31833. Not Present
31834. Maximum allowed UL TX power	31835. Not Present
31836. CHOICE channel requirement	31837. Uplink DPCH info
31838. - Uplink DPCH power control info	31839.
31840. - CHOICE mode	31841. TDD
31842. - CHOICE *TDD option*	31843. 3.84 Mcps
31844. - UL target SIR	31845. Reference to TS34.108 Parameter set
31846. - CHOICE mode	31847. TDD
31848. - CHOICE *UL OL PC info*	31849. Individually signalled
31850. - CHOICE *TDD option*	31851. 3.84 Mcps
31852. - Individual timeslot interference info	31853. Not Present
31854. - Individual timeslot interference	31855.
31856. - DPCH Constant Value	31857.
31858. - Primary CCPCH Tx Power	31859. Not Present
31860. - Time info	31861.
31862. - Activation time	31863. (256+CFN-(CFN MOD 8 + 8))MOD 256
31864. - Duration	31865. Infinite
31866. - Common timeslot info	31867.
31868. - 2nd interleaving mode	31869. Reference to TS34.108 clause 6.10 Parameter Set
31870. - TFCI coding	31871. Reference to TS34.108 clause 6.10 Parameter Set
31872. - Puncturing Limit	31873. Reference to TS34.108 clause 6.10 Parameter Set
31874. - Repetition Period	31875. Reference to TS34.108 clause 6.10 Parameter Set
31876. - Repetition Length	31877. Reference to TS34.108 clause 6.10 Parameter Set

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31303. Information Element	31304. Value/remark
31878. - Uplink DPCH timeslots and codes	31879. Default is to use the old timeslots and codes
31880. - CPCH SET Info	31881. (no data)
31882. Downlink information common for all radio links	31883.
31884. - Downlink DPCH info common for all RL	31885.
31886. - Timing Indication	31887. Initialise
31888. - CFN-targetSFN frame offset	31889. Not Present
31890. - Downlink DPCH power control information	31891.
31892. - DPC mode	31893. 0 (single)
31894. - CHOICE mode	31895. TDD
31896. - CHOICE TDD option	31897. 3.84 Mcps (no data)
31898. - Default DPCH Offset Value	31899. Arbitrary set to value 0..306688 by step of 512
31900. Downlink information for per radio links list	31901.
31902. -Downlink information for each radio links	31903.
31904. - CHOICE mode	31905. TDD
31906. - Primary CCPCH info	31907.
31908. - CHOICE *SyncCase*	31909. Sync Case 1
31910. - Timeslot	31911. PCCPCH timeslot
31912. - Cell parameters ID	31913. 0
31914. - SCTD indicator	31915.
31916. - Downlink DPCH info for each RL	31917.
31918. - CHOICE mode	31919. TDD
31920. - DL CCTrCH List	31921.
31922. - TFCS ID	31923. 1
31924. - Time info	31925.
31926. - Activation time	31927. (256+CFN-(CFN mod 8 + 8))mod 256
31928. - Duration	31929. infinite
31930. - Common timeslot info	31931.

31303. Information Element	31304. Value/remark
31932. - 2nd interleaving mode	31933. Reference to TS34.108
31934. - TFCI coding	31935. TRUE
31936. - Puncturing limit	31937. Reference to TS34.108 clause 6 Parameter set
31938. - Repetition period	31939. 1
31940. - Repetition length	31941. Empty
31942. - Downlink DPCH timeslots and codes	31943.
31944. - CHOICE *more timeslots*	31945.
31946. - CHOICE TDD option	31947. 3.84 Mcps
31948. - Timeslot number	31949. The number of a downlink timeslot that has 31950. unassigned codes in a frame.
31951. - Individual timeslot info	31952.
31953. - TFCI existence	31954. TRUE
31955. - Midamble shift and burst type	31956.
31957. - CHOICE TDD option	31958. 3.84 Mcps
31959. -CHOICE Burst Type	31960.
31961. -Type 1	31962.
31963. -Midamble Allocation Mode	31964. Default
31965. - Midamble configuration burst type 1 and 3	31966. As defined in 3GPP TS 25.221
31967. - First timeslot channelisation codes	
31968. - 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..
31969. - Last channelisation code	(j/SF) where j is the highest numbered code that is being assigned in the slot.
31970. - CHOICE more timeslots	31971. The presence of this IE depends upon whether 31972. the requirements of TS34.108 clause 6 31973. Parameter Set could be met by the codes

31303. Information Element	31304. Value/remark
	that
	31974. have been assigned in the first timeslot..
31975. - UL CCTrCH TPC List	31976. Not Present
31977. -SCCPCH information for FACH	31978. Not Present

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

31979. Information Element	31980. Value/remark
31981. Message Type	31982.
31983. Initial UE identity	31984. Select the same identity as in the IE "Initial UE Identity" in received RRC CONNECTION REQUEST" message
31985. RRC transaction identifier	31986. Arbitrarily selects an integer between 0 and 3
31987. Activation time	31988. Not Present(Now)
31989. New U-RNTI	31990.
31991. - SRNC identity	31992. 0000 0000 0001B
31993. - S-RNTI	31994. 0000 0000 0000 0000 0001B
31995. New C-RNTI	31996. Not Present
31997. RRC State Indicator	31998. CELL_DCH
31999. UTRAN DRX cycle length coefficient	32000. 9
32001. Capability update requirement	32002.
32003. - UE radio access FDD capability update requirement	32004. FALSE
32005. - UE radio access TDD capability update requirement	32006. TRUE
32007. - System specific capability update requirement list	32008. Gsm
32009. Signalling RB information to setup list	32010. 4 SRBs
32011. - Signalling RB information to setup	32012. (UM DCCH for RRC)
32013. - RB identity	32014. Not Present
32015. - CHOICE RLC info type	32016. RLC info
32017. - CHOICE Uplink RLC mode	32018. UM RLC
32019. - Transmission RLC discard	32020. Not Present

31979. Information Element	31980. Value/remark
32021. - CHOICE Downlink RLC mode	32022. UM RLC
32023. - RB mapping info	32024.
32025. - Information for each multiplexing option	32026. 2 RBMuxOptions
32027. - RLC logical channel mapping indicator	32028. Not Present
32029. - Number of RLC logical channels	32030. 1
32031. - Uplink transport channel type	32032. DCH
32033. - UL Transport channel identity	32034. 5
32035. - Logical channel identity	32036. 1
32037. - CHOICE RLC size list	32038. Configured
32039. - MAC logical channel priority	32040. 1
32041. - Downlink RLC logical channel info	32042.
32043. - Number of RLC logical channels	32044. 1
32045. - Downlink transport channel type	32046. DCH
32047. - DL DCH Transport channel identity	32048. 10
32049. - DL DSCH Transport channel identity	32050. Not Present
32051. - Logical channel identity	32052. 1
32053. - RLC logical channel mapping indicator	32054. Not Present
32055. - Number of RLC logical channels	32056. 1
32057. - Uplink transport channel type	32058. RACH
32059. - UL Transport channel identity	32060. Not Present
32061. - Logical channel identity	32062. 1
32063. - CHOICE RLC size list	32064. Configured
32065. - RLC size index	32066. Reference to TS34.108 clause 6 Parameter Set
32067. - MAC logical channel priority	32068. 1

31979. Information Element	31980. Value/remark
32069. - Downlink RLC logical channel info	32070.
32071. - Number of RLC logical channels	32072. 1
32073. - Downlink transport channel type	32074. FACH
32075. - DL DCH Transport channel identity	32076. Not Present
32077. - DL DSCH Transport channel identity	32078. Not Present
32079. - Logical channel identity	32080. 1
32081. - Signalling RB information to setup	32082. (AM DCCH for RRC)
32083. - RB identity	32084. Not Present
32085. - CHOICE RLC info type	32086.
32087. - RLC info	32088.
32089. - CHOICE Uplink RLC mode	32090. AM RLC
32091. - Transmission RLC discard	32092.
32093. - SDU discard mode	32094. No Discard
32095. - MAX_DAT	32096. 415
32097. - Transmission window size	32098. 128
32099. - Timer_RST	32100. 500
32101. - Max_RST	32102. 4
32103. - Polling info	32104.
32105. - Timer_poll_prohibit	32106. 200
32107. - Timer_poll	32108. 200
32109. - Poll_PDU	32110. Not Present
32111. - Poll_SDU	32112. 1
32113. - Last transmission PDU poll	32114. TRUE
32115. - Last retransmission PDU poll	32116. TRUE
32117. - Poll_Windows	32118. 99
32119. - Timer_poll_periodic	32120. Not Present
32121. - CHOICE Downlink RLC mode	32122. AM RLC
32123. - In-sequence delivery	32124. TRUE

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31979. Information Element	31980. Value/remark
32125.　　　- Receiving window size	32126. 128
32127.　　　- Downlink RLC status info	32128.
32129.　　　- Timer_status_prohibit	32130. 200
32131.　　　- Timer_EPC	32132. Not Present
32133.　　　- Missing PDU indicator	32134. TRUE
32135.　　　- Timer_STATUS_periodic	32136. Not Present
32137.　　- RB mapping info	32138.
32139.　　　- Information for each multiplexing option	32140. 2 RBMuxOptions
32141.　　　- RLC logical channel mapping indicator	32142. Not Present
32143.　　　- Number of RLC logical channels	32144. 1
32145.　　　- Uplink transport channel type	32146. DCH
32147.　　　- UL Transport channel identity	32148. 5
32149.　　　- Logical channel identity	32150. 2
32151.　　　- CHOICE RLC size list	32152. Configured
32153.　　　- MAC logical channel priority	32154. 2
32155.　　　- Downlink RLC logical channel info	32156.
32157.　　　- Number of RLC logical channels	32158. 1
32159.　　　- Downlink transport channel type	32160. DCH
32161.　　　- DL DCH Transport channel identity	32162. 10
32163.　　　- DL DSCH Transport channel identity	32164. Not Present
32165.　　　- Logical channel identity	32166. 2
32167.　　　- RLC logical channel mapping indicator	32168. Not Present
32169.　　　- Number of RLC logical channels	32170. 1
32171.　　　- Uplink transport channel type	32172. RACH
32173.　　　- UL Transport channel identity	32174. Not Present
32175.　　　- Logical channel identity	32176. 2

31979. Information Element	31980. Value/remark
32177.　　- CHOICE RLC size list	32178. Explicit List
32179.　　- RLC size index	32180. Reference to TS34.108 clause 6 Parameter Set
32181.　　- MAC logical channel priority	32182. 2
32183.　　- Downlink RLC logical channel info	32184.
32185.　　- Number of RLC logical channels	32186. 1
32187.　　- Downlink transport channel type	32188. FACH
32189.　　- DL DCH Transport channel identity	32190. Not Present
32191.　　- DL DSCH Transport channel identity	32192. Not Present
32193.　　- Logical channel identity	32194. 2
32195. - Signalling RB information to setup	32196. (AM DCCH for NAS_DT High priority)
32197.　　- RB identity	32198. Not Present
32199.　　- CHOICE RLC info type	32200.
32201.　　- RLC info	32202.
32203.　　- CHOICE Uplink RLC mode	32204. AM RLC
32205.　　- Transmission RLC discard	32206.
32207.　　- SDU discard mode	32208. No Discard
32209.　　- MAX_DAT	32210. 415
32211.　　- Transmission window size	32212. 128
32213.　　- Timer_RST	32214. 500
32215.　　- Max_RST	32216. 4
32217.　　- Polling info	32218.
32219.　　- Timer_poll_prohibit	32220. 200
32221.　　- Timer_poll	32222. 200
32223.　　- Poll_PDU	32224. Not Present
32225.　　- Poll_SDU	32226. 1
32227.　　- Last transmission PDU poll	32228. TRUE
32229.　　- Last retransmission PDU poll	32230. TRUE
32231.　　- Poll_Windows	32232. 99

31979. Information Element	31980. Value/remark
32233. - Timer_poll_periodic	32234. Not Present
32235. - CHOICE Downlink RLC mode	32236. AM RLC
32237. - In-sequence delivery	32238. TRUE
32239. - Receiving window size	32240. 128
32241. - Downlink RLC status info	32242.
32243. - Timer_status_prohibit	32244. 200
32245. - Timer_EPC	32246. Not Present
32247. - Missing PDU indicator	32248. TRUE
32249. - Timer_STATUS_periodic	32250. Not Present
32251. - RB mapping info	32252.
32253. - Information for each multiplexing option	32254. 2 RBMuxOptions
32255. - RLC logical channel mapping indicator	32256. Not Present
32257. - Number of RLC logical channels	32258. 1
32259. - Uplink transport channel type	32260. DCH
32261. -UL Transport channel identity	32262. 5
32263. - Logical channel identity	32264. 3
32265. - CHOICE RLC size list	32266. Configured
32267. - MAC logical channel priority	32268. 3
32269. - Downlink RLC logical channel info	32270.
32271. - Number of RLC logical channels	32272. 1
32273. - Downlink transport channel type	32274. DCH
32275. - DL DCH Transport channel identity	32276. 10
32277. - DL DSCH Transport channel identity	32278. Not Present
32279. - Logical channel identity	32280. 3
32281. - RLC logical channel mapping indicator	32282. Not Present
32283. - Number of RLC logical channels	32284. 1

31979. Information Element	31980. Value/remark
32285. - Uplink transport channel type	32286. RACH
32287. - UL Transport channel identity	32288. Not Present
32289. - Logical channel identity	32290. 3
32291. - CHOICE RLC size list	32292. Explicit List
32293. - RLC size index	32294. Reference to TS34.108 clause 6 Parameter Set
32295. - MAC logical channel priority	32296. 3
32297. - Downlink RLC logical channel info	32298.
32299. - Number of RLC logical channels	32300. 1
32301. - Downlink transport channel type	32302. FACH
32303. - DL DCH Transport channel identity	32304. Not Present
32305. - DL DSCH Transport channel identity	32306. Not Present
32307. - Logical channel identity	32308. 3
32309. - Signalling RB information to setup	32310. (AM DCCH for NAS_DT Low priority)
32311. - RB identity	32312. Not Present
32313. - CHOICE RLC info type	32314.
32315. - RLC info	32316.
32317. - CHOICE Uplink RLC mode	32318. AM RLC
32319. - Transmission RLC discard	32320.
32321. - SDU discard mode	32322. No Discard
32323. - MAX_DAT	32324. 415
32325. - Transmission window size	32326. 128
32327. - Timer_RST	32328. 500
32329. - Max_RST	32330. 4
32331. - Polling info	32332.
32333. - Timer_poll_prohibit	32334. 200
32335. - Timer_poll	32336. 200
32337. - Poll_PDU	32338. Not Present
32339. - Poll_SDU	32340. 1

31979. Information Element	31980. Value/remark
32341. - Last transmission PDU poll	32342. TRUE
32343. - Last retransmission PDU poll	32344. TRUE
32345. - Poll_Windows	32346. 99
32347. - Timer_poll_periodic	32348. Not Present
32349. - CHOICE Downlink RLC mode	32350. AM RLC
32351. - In-sequence delivery	32352. TRUE
32353. - Receiving window size	32354. 128
32355. - Downlink RLC status info	32356.
32357. - Timer_status_prohibit	32358. 200
32359. - Timer_EPC	32360. Not Present
32361. - Missing PDU indicator	32362. TRUE
32363. - Timer_STATUS_periodic	32364. Not Present
32365. - RB mapping info	32366.
32367. - Information for each multiplexing option	32368. 2 RBMuxOptions
32369. - RLC logical channel mapping indicator	32370. Not Present
32371. - Number of RLC logical channels	32372. 1
32373. - Uplink transport channel type	32374. DCH
32375. - UL Transport channel identity	32376. 5
32377. - Logical channel identity	32378. 4
32379. - CHOICE RLC size list	32380. Configured
32381. - MAC logical channel priority	32382. 4
32383. - Downlink RLC logical channel info	32384.
32385. - Number of RLC logical channels	32386. 1
32387. - Downlink transport channel type	32388. DCH
32389. - DL DCH Transport channel identity	32390. 10
32391. - DL DSCH Transport channel identity	32392. Not Present

31979. Information Element	31980. Value/remark
32393. - Logical channel identity	32394. 4
32395. - RLC logical channel mapping indicator	32396. Not Present
32397. - Number of RLC logical channels	32398. 1
32399. - Uplink transport channel type	32400. RACH
32401. - UL Transport channel identity	32402. Not Present
32403. - Logical channel identity	32404. 4
32405. - CHOICE RLC size list	32406. Explicit List
32407. - RLC size index	32408. Reference to TS34.108 clause 6 Parameter Set
32409. - MAC logical channel priority	32410. 4
32411. - Downlink RLC logical channel info	32412.
32413. - Number of RLC logical channels	32414. 1
32415. - Downlink transport channel type	32416. FACH
32417. - DL DCH Transport channel identity	32418. Not Present
32419. - DL DSCH Transport channel identity	32420. Not Present
32421. - Logical channel identity	32422. 4
32423. UL Transport channel information for all transport channels	32424.
32425. - PRACH TFCS	32426. Not Present
32427. - CHOICE Mode	32428. TDD
32429. -Individual UL CCTrCH information	32430.
32431. - UL TFCS ID	32432. (This IE is repeated for TFC number.)
32433. - UL TFCS	32434.
32435. - TFC subset	Default value is the complete existing set of transport format combinations
32436. - Allowed Transport Format combination	0 to MaxTFCvalue-1 (MaxTFCValue is refer to 32437. TS34.108 clause 6 Parameter Set.)
32438. - PRACH TFCS	32439. (This IE is repeated for TFC number.)
32440. - CHOICE TFCI signalling	32441. Normal
32442. - TFCI Field 1	32443.

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31979. Information Element	31980. Value/remark
information	
32444. - TFCS complete reconfigure information	32445.
32446. - CHOICE TFCS Size	Number of used bits must be enough to cover all combinations of CTFC from clauses 6. 32447. Refer to TS34.108 clause 6 Parameter Set
32448. - CTFC information	32449. Not Present
32450. - CHOICE mode	32451. TDD
32452. - Individual UL CCTrCH information	32453. Not Present
32454. Deleted TrCH information list	32455. Not Present
32456. Added or Reconfigured UL TrCH information list	32457. 1
32458. - Added or Reconfigured UL TrCH information	32459.
32460. - Uplink transport channel type	32461. DCH
32462. - UL Transport channel identity	32463. 5
32464. - TFS	32465.
32466. - CHOICE Transport channel type	32467. Dedicated transport channels
32468. - Dynamic Transport Format Information	32469.
32470. - RLC size	32471. According to TS34.108 clause 6
32472. - Number of TBs and TTI List	32473. (This IE is repeated for TFI number)
32474. - CHOICE mode	32475. TDD
32476. - Transmission Time Interval	32477. According to TS34.108 clause 6
32478. - CHOICE Logical channel list	32479. All
32480. - Semi-static Transport Format information	32481.
32482. DL Transport channel information common for all transport channel	32483.
32484. - SCCPCH TFCS	32485. Not Present
32486. - CHOICE mode	32487. TDD
32488. - CHOICE DL parameters	32489. Same as UL
32490. Added or Reconfigured DL TrCH information list	32491. 1
32492. - Added or Reconfigured DL TrCH information	32493.

31979. Information Element	31980. Value/remark
32494. - Downlink transport channel type	32495. DCH
32496. - DL Transport channel identity	32497. 10
32498. - CHOICE DL parameters	32499. Same as UL
32500. - Uplink transport channel type	32501. DCH
32502. - UL TrCH Identity	32503. 5
32504. - DCH quality target	32505.
32506. - BLER Quality value	32507. Reference to TS 34.108
32508. Frequency info	32509. Not Present
32510. Maximum allowed UL TX power	32511. Not Present
32512. CHOICE channel requirement	32513. Uplink DPCH info
32514. - Uplink DPCH power control info	32515.
32516. - CHOICE mode	32517. TDD
32518. - CHOICE *TDD option*	32519. 1.28 Mcps
32520. - $PRX_{PDPCHdes}$	32521. Reference to TS34.108 Parameter set
32522. - CHOICE mode	32523. TDD
32524. - CHOICE *UL OL PC info*	32525. Individually signalled
32526. - CHOICE *TDD option*	32527. 1.28 Mcps
32528. - TPC step size	32529. Not Present
32530. - Primary CCPCH Tx Power	32531. Not Present
32532.	32533.
32534. - Primary CCPCH Tx Power	32535. Not Present
32536. - Time info	32537.
32538. - Activation time	32539. (256+CFN-(CFN MOD 8 + 8))MOD 256
32540. - Duration	32541. Infinite
32542. - Common timeslot info	32543.
32544. - 2nd interleaving mode	32545. Reference to TS34.108 clause 6 Parameter Set
32546. - TFCI coding	32547. Reference to TS34.108 clause 6 Parameter Set
32548. - Puncturing Limit	32549. Reference to TS34.108 clause 6 Parameter Set

31979. Information Element	31980. Value/remark
32550. - Repetition Period	32551. Reference to TS34.108 clause 6 Parameter Set
32552. - Repetition Length	32553. Reference to TS34.108 clause 6 Parameter Set
32554. - Uplink DPCH timeslots and codes	32555. Default is to use the old timeslots and codes
32556. - CPCH SET Info	32557. (no data)
32558. Downlink information common for all radio links	32559.
32560. - Downlink DPCH info common for all RL	32561.
32562. - Timing Indication	32563. Initialise
32564. - CFN-targetSFN frame offset	32565. Not Present
32566. - Downlink DPCH power control information	32567.
32568. - DPC mode	32569. 0 (single)
32570. - CHOICE mode	32571. TDD
32572. - CHOICE TDD option	32573. 1.28 Mcps
32574. - TSTD indicator	32575. TRUE
32576. - Default DPCH Offset Value	32577. Arbitrary set to value 0..306688 by step of 512
32578. Downlink information for per radio links list	32579.
32580. -Downlink information for each radio links	32581.
32582. - CHOICE mode	32583. TDD
32584. - Primary CCPCH info	32585.
32586. - CHOICE *SyncCase*	32587. Sync Case 1
32588. - Timeslot	32589. PCCPCH timeslot
32590. - Cell parameters ID	32591. 0
32592. - SCTD indicator	32593.
32594. - Downlink DPCH info for each RL	32595.
32596. - CHOICE mode	32597. TDD
32598. - DL CCTrCH List	32599.
32600. - TFCS ID	32601. 1

31979. Information Element	31980. Value/remark
32602. - Time info	32603.
32604. - Activation time	32605. (256+CFN-(CFN mod 8 + 8))mod 256
32606. - Duration	32607. infinite
32608. - Common timeslot info	32609.
32610. - 2nd interleaving mode	32611. Reference to TS34.108
32612. - TFCI coding	32613. TRUE
32614. - Puncturing limit	32615. Reference to TS34.108 clause 6 Parameter set
32616. - Repetition period	32617. 1
32618. - Repetition length	32619. Empty
32620. - Downlink DPCH timeslots and codes	32621.
32622. - CHOICE *more timeslots*	32623.
32624. - CHOICE TDD option	32625. 1.28 Mcps
32626. - Timeslot number	32627. The number of a downlink timeslot that has 32628. unassigned codes in a subframe.
32629. - Individual timeslot info	32630.
32631. - TFCI existence	32632. TRUE
32633. - Midamble shift and burst type	32634.
32635. - CHOICE TDD option	32636. 1.28 Mcps
32637. -CHOICE Burst Type	32638.
32639. -Midamble Allocation Mode	32640. Default
32641. - Midamble configuration	32642. As defined in 3GPP TS 25.221
32643. - First timeslot channelisation codes	32644.
32645. - First channelisation code	32646. (i/SF) where i is the lowest numbered code 32647. that is being assigned and SF is specified in 32648. TS34.108 clause 6 Parameter Set..

31979. Information Element	**31980. Value/remark**
32649. - Last channelisation code	32650. (j/SF) where j is the highest numbered code 32651. that is being assigned in the slot.
32652. - 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..
32653. - UL CCTrCH TPC List	32654. Not Present
32655. -SCCPCH information for FACH	32656. Not Present

Contents of SECURITY MODE COMMAND message: AM

32657. Information Element	**32658. Value/remark**
32659. Message Type	32660.
32661. RRC transaction identifier	32662. Arbitrarily selects an integer between 0 and 3
32663. Integrity check info	32664.
32665. - Message authentication code	32666. Set to an arbitrarily selected 32-bits integer. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
32667. - RRC Message Sequence Number	32668. Set to an arbitrarily selected integer between 0 and 15
32669. Security capability	32670.
32671. - Ciphering algorithm capability	32672.
32673. - UEA0	32674. 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.
32675. - UEA1	32676. 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.
32677. - Spare	32678. Spare 2-15 = FALSE
32679. - Integrity protection algorithm capability	32680. 0000000000000010B (UIA1)
32681. - UIA1	32682. TRUE
32683. - Spare	32684. Spare 0 and Spare 2-15 = FALSE
32685. Ciphering mode info	32686. 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.
32687.	- Ciphering mode command	32688.	Start/restart
32689.	- Ciphering algorithm	32690.	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
32691.	- Ciphering activation time for DPCH	32692.	Not Present
32693.	- Radio bearer downlink ciphering activation time info	32694.	
32695.	- Radio bearer activation time	32696.	
32697.	- RB identity	32698.	1
32699.	- RLC sequence number	32700.	Current RLC SN+2
32701.	- RB identity	32702.	2
32703.	- RLC sequence number	32704.	Current RLC SN+2
32705.	- RB identity	32706.	3
32707.	- RLC sequence number	32708.	Current RLC SN + 2
32709.	- RB identity	32710.	4
32711.	- RLC sequence number	32712.	Current RLC SN + 2
32713.	Integrity protection mode info	32714.	
32715.	- Integrity protection mode command	32716.	Start
32717.	- Downlink integrity protection activation info	32718.	Not Present
32719.	- Integrity protection algorithm	32720.	UIA1
32721.	- Integrity protection initialisation number	32722.	SS selects an arbitrary 32 bits number for FRESH
32723.	CN domain identity	32724.	CS or PS
32725.	UE system specific security capability	32726.	Not Checked

Annex A (informative):
Void

Annex B (informative): RAB combinations for IMS services (Rel-5)

This annex contains information intented to be included in a future TS 34.108 Release 5. For practical reasons, it will be maintained in this Release 4 until T1 agrees to publish the Release 5 version based on the quantity of material to justify its creation.

It should be noted that the parameters of the RAB combinations were approved by RAN1 and RAN 2 in July 2002 and that T1 agreed that the RABs should be subjected to test coverage at the appropriate time. The fact that this annex is informative does not in any way reduce the validity of the RABs.

For ease of administration, the framework of section 6.10.2 is provided with the changes to that section with appropriate numbering in order that it can be merged into a future Release 5 version of TS 34.108.

6.10.2 RAB and signalling RB for FDD

6.10.2.1 RABs and signalling RBs

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

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

Table 6.10.2.1.1: Prioritised RABs.

37	Conversational	N/A	UL:42.8 DL:42.8	PS

6.10.2.2 Combinations of RABs and Signalling RBs

Combinations on DPCH

58) Conversational / Speech / UL:42.8 DL:42.8 kbps / PS RAB
 + Interactive or background / UL:16 DL:16 kbps / PS RAB
 + Interactive or background / UL:16 DL:16 kbps / PS RAB
 + UL:3.4 DL:3.4 kbps SRBs for DCCH.

59) Conversational / Speech / UL:42.8 DL:42.8 kbps / PS RAB
 + Interactive or background / UL:16 DL:16 kbps / PS RAB
 + UL:3.4 DL:3.4 kbps SRBs for DCCH.

6.10.2.4.1.59 Conversational / speech / UL:42.8 DL:42.8 kbps / PS RAB + Interactive / UL:16 DL:16 kbps / PS RAB + Interactive / UL:16 DL:16 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.59.1 Uplink

6.10.2.4.1.59.1.1 Transport channel parameters

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

3272	32728. RAB/Signalling RB		**32729. RAB**
3273	32731. PDCP header size, bit		32732. 8
3273	32734. Logical channel type		32735. DTCH
	32736. RLC mode		32737. UM
	32738. Payload sizes, bit		32739. 920, 304, 96
	32740. Max data rate, bps		32741. 46000
	32742. UMD PDU header, bit		32743. 8
3274	32745. MAC header, bit		32746. 0
	32747. MAC multiplexing		32748. N/A
3274	32750. TrCH type		32751. DCH
	32752. TB sizes, bit		32753. 928, 312, 104
		32755. TF0, bits	32756. 0x928
		32757. TF1, bits	32758. 1x104

		32759. TF2, bits	32760.1x 312	
		32761. TF3, bits	32762.1x 928	
	32763. TTI, ms	32764. 20		
	32765. Coding type	32766. TC		
	32767. CRC, bit	32768. 16		
	32769. Max number of bits/TTI after channel coding	32770. 2844		
	32771. Uplink: Max number of bits/radio frame before rate matching	32772. 1422		
	32773. RM attribute	32774. 180-220		

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

32		32777. RAB/Signalling RB	**RAB**	**RAB**
32				
32		32779. Logical channel type	DTCH	DTCH
		32780. RLC mode	AM	AM
		32781. Payload sizes, bit	320	320
		32782. Max data rate, bps	16000	16000
		32783. AMD PDU header, bit	16	16
32		32785. MAC header, bit	4	4
		32786. MAC multiplexing	2 logical channel multiplexing	
32		32788. TrCH type	DCH	
		32789. TB sizes, bit	340	
	3	32791. TF0, bits	0x340	
		32792. TF1, bits	1x340	

	32793. TF2, bits	`2X340`
	32794. TTI, ms	`40`
	32795. Coding type	`TC`
	32796. CRC, bit	`16`
32	32798. Max number of bits/TTI after channel coding	`2148`
	32799. Uplink: Max number of bits/radio frame before rate matching	`537`
	32800. RM attribute	`135-175`

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

See clause 6.10.2.4.1.2.1.1.1

6.10.2.4.1.59.1.1.4   TFCS

32801. T F C S siz e	32802. 24
32803. T F C S	32804. (42.8 kbps Conversational RAB, Interactive 16kbps+16kbps RAB, DCCH)= 32805. (TF0, TF0, TF0), (TF0, TF0, TF1), (TF0,TF1, TF0),(TF0, TF1,TF1), (TF0,TF2, TF0), (TF0,TF2, TF1) 32806. (TF1, TF0, TF0), (TF1, TF0, TF1), (TF1,TF1, TF0), (TF1, TF1,TF1), (TF1,TF2, TF0), (TF1,TF2, TF1) 32807. (TF2, TF0, TF0), (TF2, TF0, TF1), (TF2,TF1, TF0), (TF2, TF1,TF1), (TF2,TF2, TF0), (TF2,TF2, TF1) 32808. (TF3, TF0, TF0), (TF3, TF0, TF1), (TF3,TF1, TF0), (TF3, TF1,TF1), (TF3,TF2, TF0), (TF3,TF2, TF1)

6.10.2.4.1.59.1.2   Physical channel parameters

	32	32810. Min spreading factor	`16`
		32811. Max number of DPDCH data bits/radio frame	`2400`
		32812. Puncturing Limit	`0.76`

6.10.2.4.1.59.2   Downlink

6.10.2.4.1.59.2.1   Transport channel parameters

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

32813		32814. RAB/Signalling RB	**32815. RAB**
32816		32817. PDCP header size, bit	32818. 8
32819		32820. Logical channel type	32821. DTCH
		32822. RLC mode	32823. UM
		32824. Payload sizes, bit	32825. 920, 304, 96
		32826. Max data rate, bps	32827. 46000
		32828. UMD PDU header, bit	32829. 8
32830		32831. MAC header, bit	32832. 0
		32833. MAC multiplexing	32834. N/A
32835		32836. TrCH type	32837. DCH
		32838. TB sizes, bit	32839. 928, 312, 104
		32841. TF0, bits	32842. 0x928
		32843. TF1, bits	32844. 1x104
		32845. TF2, bits	32846. 1x312

	32847. TF3, bits		32848. 1x 928
	32849. TTI, ms		32850. 20
	32851. Coding type		32852. T C
	32853. CRC, bit		32854. 16
	32855. Max number of bits/TTI after channel coding		32856. 28 44
	32857. RM attribute		32858. 18 0- 220

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

	32	32861. RAB/Signalling RB	**RAB**	**RAB**
	32			
	32	32863. Logical channel type	DTCH	DTCH
		32864. RLC mode	AM	AM
		32865. Payload sizes, bit	320	320
		32866. Max data rate, bps	16000	16000
		32867. AMD PDU header, bit	16	16
	32	32869. MAC header, bit	4	4
		32870. MAC multiplexing	2 logical channel multiplexing	
	32	32872. TrCH type	DCH	
		32873. TB sizes, bit	340	
	3	32875. TF0, bits	0x340	
		32876. TF1, bits	1x340	
		32877. TF2, bits	2X340	
		32878. TTI, ms	40	
		32879. Coding type	TC	

		32880. CRC, bit	`16`
	32	32882. Max number of bits/TTI after channel coding	`2148`
		32883. RM attribute	`135-175`

6.10.2.4.1. 59.2.1.3   Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.59.2.1.4   TFCS

	32884. TFCS size	32885. 24
	32886. TFCS	32887. (42.8 kbps Conversational RAB, Interactive 16kbps+16kbps RAB, DCCH)=
		32888. (TF0, TF0, TF0), (TF0, TF0, TF1), (TF0,TF1, TF0),(TF0, TF1,TF1), (TF0,TF2, TF0), (TF0,TF2, TF1)
		32889. (TF1, TF0, TF0), (TF1, TF0, TF1), (TF1,TF1, TF0), (TF1, TF1,TF1), (TF1,TF2, TF0), (TF1,TF2, TF1)
		32890. (TF2, TF0, TF0), (TF2, TF0, TF1), (TF2,TF1, TF0), (TF2, TF1,TF1), (TF2,TF2, TF0), (TF2,TF2, TF1)
		32891. (TF3, TF0, TF0), (TF3, TF0, TF1), (TF3,TF1, TF0), (TF3, TF1,TF1), (TF3,TF2, TF0), (TF3,TF2, TF1)

6.10.2.4.1.59.2.2   Physical channel parameters

	32	32894. DTX position	`Flexible`
		32895. Spreading factor	`32`
	32	32897. Number of TFCI bits/slot	`8`
		32898. Number of TPC bits/slot	`4`
		32899. Number of Pilot bits/slot	`8`
		32901. Number of data bits/slot	`140`

		32902. Number of data bits/frame	`2100`

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

6.10.2.4.1.60.1   Uplink

6.10.2.4.1.60.1.1   Transport channel parameters

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

3290	32904. RAB/Signalling RB	**32905. RAB**
3290	32907. PDCP header size, bit	32908. 8
3290	32910. Logical channel type	32911. DTCH
	32912. RLC mode	32913. UM
	32914. Payload sizes, bit	32915. 920, 304, 96
	32916. Max data rate, bps	32917. 46000
	32918. UMD PDU header, bit	32919. 8
3292	32921. MAC header, bit	32922. 0
	32923. MAC multiplexing	32924. N/A
3292	32926. TrCH type	32927. DCH

		32928. TB sizes, bit	32929. 928, 312, 104
		32931. TF0, bits	32932. 0x 928
		32933. TF1, bits	32934. 1x 104
		32935. TF2, bits	32936. 1x 312
		32937. TF3, bits	32938. 1x 928
	32939. TTI, ms		32940. 20
	32941. Coding type		32942. TC
	32943. CRC, bit		32944. 16
	32945. Max number of bits/TTI after channel coding		32946. 2844
	32947. Uplink: Max number of bits/radio frame before rate matching		32948. 1422
	32949. RM attribute		32950. 180-220

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

See clause 6.10.2.4.1.23b.1.1.1

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

See clause 6.10.2.4.1.2.1.1.1

6.10.2.4.1.60.1.1.4 TFCS

32951. TFCS size	32952. 24
32953. TFCS	32954. (42.8 kbps Conversational RAB, Interactive 16kbps RAB, DCCH)= 32955. (TF0, TF0, TF0), (TF0, TF0, TF1), (TF0,TF1, TF0),(TF0, TF1,TF1), (TF0,TF2, TF0), (TF0,TF2, TF1) 32956. (TF1, TF0, TF0), (TF1, TF0, TF1), (TF1,TF1, TF0), (TF1, TF1,TF1), (TF1,TF2, TF0), (TF1,TF2, TF1) 32957. (TF2, TF0, TF0), (TF2, TF0, TF1), (TF2,TF1, TF0), (TF2, TF1,TF1), (TF2,TF2, TF0), (TF2,TF2, TF1)

	32958. (TF3, TF0, TF0), (TF3, TF0, TF1), (TF3,TF1, TF0), (TF3, TF1,TF1), (TF3,TF2, TF0), (TF3,TF2, TF1)	

6.10.2.4.1.60.1.2   Physical channel parameters

32			
	32960. Min spreading factor	`16`	
	32961. Max number of DPDCH data bits/radio frame	`2400`	
	32962. Puncturing Limit	`0.76`	

6.10.2.4.1.60.2   Downlink

6.10.2.4.1.60.2.1   Transport channel parameters

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

3296	32964. RAB/Signalling RB	**32965. RAB**
3296	32967. PDCP header size, bit	32968. 8
3296	32970. Logical channel type	32971. DTCH
	32972. RLC mode	32973. UM
	32974. Payload sizes, bit	32975. 920, 304, 96
	32976. Max data rate, bps	32977. 46000
	32978. UMD PDU header, bit	32979. 8

3298	32981. MAC header, bit	32982. 0
	32983. MAC multiplexing	32984. N/A
3298	32986. TrCH type	32987. DCH
	32988. TB sizes, bit	32989. 928, 312, 104
	32991. TF0, bits	32992. 0x 928
	32993. TF1, bits	32994. 1x 104
	32995. TF2, bits	32996. 1x 312
	32997. TF3, bits	32998. 1x 928
	32999. TTI, ms	33000. 20
	33001. Coding type	33002. TC
	33003. CRC, bit	33004. 16
	33005. Max number of bits/TTI after channel coding	33006. 2844
	33007. RM attribute	33008. 180-220

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

See clause 6.10.2.4.1.23b.2.1.1

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.60.2.1.4 TFCS

33009. TFCS size	33010. 24
33011. TFC	33012. (42.8 kbps Conversational RAB, Interactive 16kbps RAB, DCCH)=
	33013. (TF0, TF0, TF0), (TF0, TF0, TF1), (TF0,TF1, TF0),(TF0, TF1,TF1), (TF0,TF2,

S	TF0), (TF0,TF2, TF1)	
	33014. (TF1, TF0, TF0), (TF1, TF0, TF1), (TF1,TF1, TF0), (TF1, TF1,TF1), (TF1,TF2, TF0), (TF1,TF2, TF1)	
	33015. (TF2, TF0, TF0), (TF2, TF0, TF1), (TF2,TF1, TF0), (TF2, TF1,TF1), (TF2,TF2, TF0), (TF2,TF2, TF1)	
	33016. (TF3, TF0, TF0), (TF3, TF0, TF1), (TF3,TF1, TF0), (TF3, TF1,TF1), (TF3,TF2, TF0), (TF3,TF2, TF1)	

6.10.2.4.1.60.2.2 Physical channel parameters

33		33019. DTX position	Flexible
		33020. Spreading factor	32
33		33022. Number of TFCI bits/slot	8
		33023. Number of TPC bits/slot	4
		33024. Number of Pilot bits/slot	8
		33026. Number of data bits/slot	140
		33027. Number of data bits/frame	2100

Annex C (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	C	3.0.1	3.1.0	T1-000190
TP-09	TP-000131	002		RRC Message Contents: RLCParam	C	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	C	3.0.1	3.1.0	T1-000193
TP-09	TP-000131	005		RRC Message Contents: TrCHParam	C	3.0.1	3.1.0	T1-000194
TP-09	TP-000131	006		RRC Message Contents: UECapability	C	3.0.1	3.1.0	T1-000195
TP-09	TP-000131	007		RRC Message Contents: RBMapping	C	3.0.1	3.1.0	T1-000196
TP-09	TP-000131	008		RRC Message Contents: PagingCause	C	3.0.1	3.1.0	T1-000197
TP-09	TP-000131	009		RRC Message Contents: CipheringAndIntegrity	C	3.0.1	3.1.0	T1-000198
TP-09	TP-000131	010		RRC Message Contents: RLCInfo	C	3.0.1	3.1.0	T1-000199
TP-09	TP-000131	011		RRC Message Contents: CompressedMode	C	3.0.1	3.1.0	T1-000200
TP-09	TP-000131	012		RRC Message Contents: SIB	C	3.0.1	3.1.0	T1-000201
TP-09	TP-000131	013		RRC Message Contents: PhyCH	D	3.0.1	3.1.0	T1-000202
TP-09	TP-000131	014		RRC Message Contents: Measurement	C	3.0.1	3.1.0	T1-000203
TP-09	TP-000131	015		RRC Message Contents: TFCS	C	3.0.1	3.1.0	T1-000204
TP-09	TP-000131	016		RRC Message Contents: DPCHFrameOffset	C	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 authentication (clause 8.1.2)	F	3.0.1	3.1.0	T1-000164
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	B	3.1.0	3.2.0	T1-000294
TP-10	TP-000215	022		Requirements for the system simulator for support of 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	C	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	C	3.1.0	3.2.0	T1-000283
TP-10	TP-000215	029		Application of ciphering during conformance testing	C	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	033		Correction for Generic Setup Procedures (34.108 clause 7.2)	F	3.2.0	3.3.0	T1-010079
TP-11	TP-010018	034		Corrections for Test USIM Parameters(34.108 clause 8)	F	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	C	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		clause 6.1: System Information Blocks for TDD Mode	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
TP-13	TP-010215	050		Some corrections in clause 5	F	3.4.0	3.5.0	T1-010277
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

Meeting-1st-Level	Doc-1st-Level	CR	Rev	Subject	Cat	Version-Current	Version-New	Doc-2nd-Level
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	060		Introducing of 1.28 Mcps TDD Mode in clauses 4, 5 and 6	F	3.4.0	4.0.0	T1-010287
TP-13	TP-010215	061		Introduction of System Information Blocks for 1.28 Mcps TDD Mode	F	3.4.0	4.0.0	T1-010288
TP-13	TP-010215	062		Introduction of typical radio parameters for 1.28 McpsTDD	F	3.4.0	4.0.0	T1-010289
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	065	1	Correction to 6.1 Contents of System Information Blocks	A	4.0.0	4.1.0	T1-010475
TP-14	TP-010285	067	1	Corrections to clause 6.1, 7.4 and 9	A	4.0.0	4.1.0	T1-010473
TP-14	TP-010258	069		Reference Radio Conditions	A	4.0.0	4.1.0	T1-010461
TP-14	TP-010258	071		Modification of Test procedures for RF tests	A	4.0.0	4.1.0	T1-010463
TP-14	TP-010258	073		Default message contents for RF tests	A	4.0.0	4.1.0	T1-010465
TP-14	TP-010258	075		Correction to 6.10 Reference Radio Bearer configurations	A	4.0.0	4.1.0	T1-010467
TP-14	TP-010258	077		Definition of default value of rate matching attribute	A	4.0.0	4.1.0	T1-010469
TP-14	TP-010258	079		Update of clause 7.4 and 6.10	A	4.0.0	4.1.0	T1-010471
TP-14	TP-010292	081		Correction on introduction of section 6.10	A	4.0.0	4.1.0	--
TP-15	TP-020038	083		Replacement of Block STTD by Space Code Transmit Diversity (SCTD) (Rel-4)	A	4.1.0	4.2.0	T1-020092
TP-15	TP-020038	085		Update of reference radio conditions (Rel-4)	A	4.1.0	4.2.0	T1-020098
TP-15	TP-020038	087		Update of system reference configurations and default messages (Rel-4)	A	4.1.0	4.2.0	T1-020100
TP-15	TP-020038	089		Corrections to 34108-410	A	4.1.0	4.2.0	T1-020102
TP-15	TP-020038	091		Introduction of new Reference RABs (Rel-4)	A	4.1.0	4.2.0	T1-020195
TP-15	TP-020038	094		Update of SIBs for TDD (both modes) in TS34.108 (Rel4)	F	4.1.0	4.2.0	T1-020107
TP-15	TP-020038	095		Clarification of bit rate of Interactive/Background PS RAB function (Rel-4)	A	4.1.0	4.2.0	T1-020184
				Correction of CR implementation errors in clauses: 6.10.2.2 and 6.10.2.4.1.58.2.1.1		4.2.0	4.2.1	
TP-16	TP-020141	108		Section 7(reference) Update of generic setup procedures to use 13.6 kbps SRB in RRC connection establishment TDD (3.84 Mcps and 1.28 Mcps)	F	4.2.1	4.3.0	T1-020289
TP-16	TP-020141	109		Correction to clause 7.3.3.4 RADIO BEARER SETUP message	A	4.2.1	4.3.0	T1-020291
TP-16	TP-020141	110		Change of RM attribute of DL:3.4 kbps SRBs for DCCH in for REL4	A	4.2.1	4.3.0	T1-020292
TP-16	TP-020141	111		New additional RAB configuration (R1-020669) for REL4	A	4.2.1	4.3.0	T1-020293
TP-16	TP-020141	112		Correction of Puncturing Limit for RABs for REL4	A	4.2.1	4.3.0	T1-020294
TP-16	TP-020141	113		Test USIM	A	4.2.1	4.3.0	T1-020295
TP-16	TP-020141	114		Section 6.1 (SIBs)Rel 4 (3.84 Mcps and 1.28 Mcps TDD)	F	4.2.1	4.3.0	T1-020296
TP-16	TP-020141	115		Section 6.10 References for TDD about Clarification of bit rate of Interactive/Background PS RAB	A	4.2.1	4.3.0	T1-020297
TP-16	TP-020141	116		Correction to default message in clause 9 for Rel4	A	4.2.1	4.3.0	T1-020298
TP-16	TP-020141	117		Correction to clause 6.1 for Rel4	A	4.2.1	4.3.0	T1-020299
TP-16	TP-020141	118		WCDMA1800 additions for Rel4	A	4.2.1	4.3.0	T1-020300
TP-16	TP-020141	119		Section 9.1 Default message contents for TDD (3.84 Mcps and 1.28 Mcps) R4	F	4.2.1	4.3.0	T1-020301
TP-16	TP-020141	121		Update of generic setup procedures to use 13.6 kbps SRB in RRC connection establishment	A	4.2.1	4.3.0	T1-020434
TP-17	TP-020184	123	-	Alignment of reference configurations on S-CCPCH with	A	4.3.0	4.4.0	T1-020503
TP-17	TP-020184	125	-	Addition of reference compressed mode pattern	A	4.3.0	4.4.0	T1-020505
TP-17	TP-020184	127	-	Corrections to default message contents as T1S-	A	4.3.0	4.4.0	T1-020507
TP-17	TP-020184	129	-	Additional default message contents for RF Testing	A	4.3.0	4.4.0	T1-020509
TP-17	TP-020184	131	-	Corrections related to SIB11, SIB12 and to the	A	4.3.0	4.4.0	T1-020527
TP-17	TP-020184	133	-	Corrections to clause 6.1 (T1S-020349rev1)	A	4.3.0	4.4.0	T1-020530
TP-17	TP-020184	135	-	Introduction of reference configurations on S-CCPCH and	A	4.3.0	4.4.0	T1-020539
TP-17	TP-020184	137	-	Removal of reference radio bearer configurations for	A	4.3.0	4.4.0	T1-020541
TP-17	TP-020184	140	-	Some corrections and updates in clause 6.1 for TDD mode	F	4.3.0	4.4.0	T1-020576
TP-17	TP-020184	142	-	Inclusion of default message contents for RF in clause 9.2	F	4.3.0	4.4.0	T1-020578
TP-18	TP-020293	144	-	Correction to default messages in 9.1 and 9.2	A	4.4.0	4.5.0	T1-020658
TP-18	TP-020293	146	-	Corrections in the TDD test frequencies according to core specs	A	4.4.0	4.5.0	T1-020674
TP-18	TP-020293	148	-	Addition of alternative configuration using Turbo Coding for	A	4.4.0	4.5.0	T1-020694

Meeting-1st-Level	Doc-1st-Level	CR	Rev	Subject	Cat	Version-Current	Version-New	Doc-2nd-Level
				Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH				
TP-18	TP-020293	150	-	Correction to content of sub-clause 6.10.2.	A	4.4.0	4.5.0	T1-020709
TP-18	TP-020293	152	-	Correction to SIB 11/12 definition	A	4.4.0	4.5.0	T1-020712
TP-18	TP-020293	154	-	Reference Measurement Channels	A	4.4.0	4.5.0	T1-020768
TP-18	TP-020293	156	-	Transferring system information definition using ASN.1 description to PRD	A	4.4.0	4.5.0	T1-020778
TP-18	TP-020293	158	-	Correction to RLC RAB TFCS	A	4.4.0	4.5.0	T1-020780
TP-18	TP-020293	160	-	Default Message contents : Correction from CRs approved in RP17meeting	A	4.4.0	4.5.0	T1-020783
TP-18	TP-020293	162	-	Corrections to SIB1 to SIB6	A	4.4.0	4.5.0	T1-020799
TP-18	TP-020293	164	-	Correction to RAB configurations as revision of T1S020756	A	4.4.0	4.5.0	T1-020801
TP-18	TP-020293	166	-	Parameter addition for Reference RABs based on LS from RAN2	A	4.4.0	4.5.0	T1-020803
TP-18	TP-020293	168	-	Addition to clause 7.4 for multi call as T1S-020577rev2 (revision to T1S020820)	A	4.4.0	4.5.0	T1-020818
TP-18	TP-020293	169	-	RAB Combinations for IMS Services	F	4.4.0	4.5.0	T1-020819
TP-18	TP-020293	171	-	Correction to Contents of the Scheduling Block Syste Information in clause 6.1.3.	F	4.4.0	4.5.0	T1-020844
TP-19	TP-030044	173	-	RAB Removal from Rel 4 TS 34.108 as T1S030002rev1	A	4.5.0	4.6.0	T1-030037
TP-19	TP-030044	175	-	Combine all Radio Bearer Setup messages into one table	A	4.5.0	4.6.0	T1-030040
TP-19	TP-030044	177	-	Corrections to SB and SIB configurations in clause 6.1 as	A	4.5.0	4.6.0	T1-030042
TP-19	TP-030044	179	-	Correction to TS34.108 Rel-4 ; PAGING TYPE1 message	A	4.5.0	4.6.0	T1-030044
TP-19	TP-030044	181	-	Clarification of autentication test algorithm and GSM cipher	A	4.5.0	4.6.0	T1-030046
TP-19	TP-030044	183	-	Addition of simulated network environment for inter-RAT test	A	4.5.0	4.6.0	T1-030048
TP-19	TP-030044	185	-	Corrections to SIB1 to align with default values for LAC and	A	4.5.0	4.6.0	T1-030050
TP-19	TP-030044	187	-	Addition of default inter-RAT handover messages	A	4.5.0	4.6.0	T1-030052
TP-19	TP-030044	189	-	Correction of activation time IEs in default messages	A	4.5.0	4.6.0	T1-030054
TP-19	TP-030044	191	-	Correction to default SECURITY MODE COMMAND	A	4.5.0	4.6.0	T1-030056
TP-19	TP-030044	193	-	Addition of option for UL CM only in default reference CM	A	4.5.0	4.6.0	T1-030058
TP-19	TP-030044	195	-	Introduction of a reference RB configuration for RMC for	A	4.5.0	4.6.0	T1-030060
TP-19	TP-030044	197	-	Update of the RRC connection request messages in 34.108	A	4.5.0	4.6.0	T1-030063
TP-19	TP-030043	198	-	Introduction of Conversational PS RABs in Rel 4 TS 34.108	F	4.5.0	4.6.0	T1-030107
TP-19	TP-030043	200	-	Update of default parameters for 1 to 8 cell environments	A	4.5.0	4.6.0	T1-030208
TP-19	TP-030043	202	-	Update of Multi-cell environment for default radio conditions	A	4.5.0	4.6.0	T1-030210
TP-19	TP-030043	204	-	Modification to Generic Registration Procedures	A	4.5.0	4.6.0	T1-030222
TP-19	TP-030043	206	-	Update of default configurations to enable testing of low end	A	4.5.0	4.6.0	T1-030228
TP-20	TP-030098	208	-	Reinstate parameters for Interactive or background /UL:64 kbps / PS RAB	A	4.6.0	4.7.0	T1-030437
TP-20	TP-030098	210	-	Correction to Figure 7.4.1.1 (Rel-4)	A	4.6.0	4.7.0	T1-030483
TP-20	TP-030098	212	-	Update of SIB 11 and 12 in clause 6.1.0b in TS34.108 (TDD)	A	4.6.0	4.7.0	T1-030507
TP-20	TP-030098	214	-	Update of Default parameters for 1 to 8 cell environments in TS34.108 (TDD)	A	4.6.0	4.7.0	T1-030509
TP-20	TP-030098	216	-	Correction of default messages according to 25331 CR1823	A	4.6.0	4.7.0	T1-030632
TP-20	TP-030098	218	-	Section 8.2: Definition of default values for authentication key K on test USIM	A	4.6.0	4.7.0	T1-030644
TP-20	TP-030098	219	-	Update of Reconfiguration messages	A	4.6.0	4.7.0	T1-030692
TP-20	TP-030098	221	-	Correction to RADIO BEARER RELEASE and RRC CONNECTION SETUP messages (Revision of T1-030569)	A	4.6.0	4.7.0	T1-030699
TP-20	TP-030140	226	-	Correction to default SIB5 (FDD)	A	4.6.0.	4.7.0	T1-030745

History

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