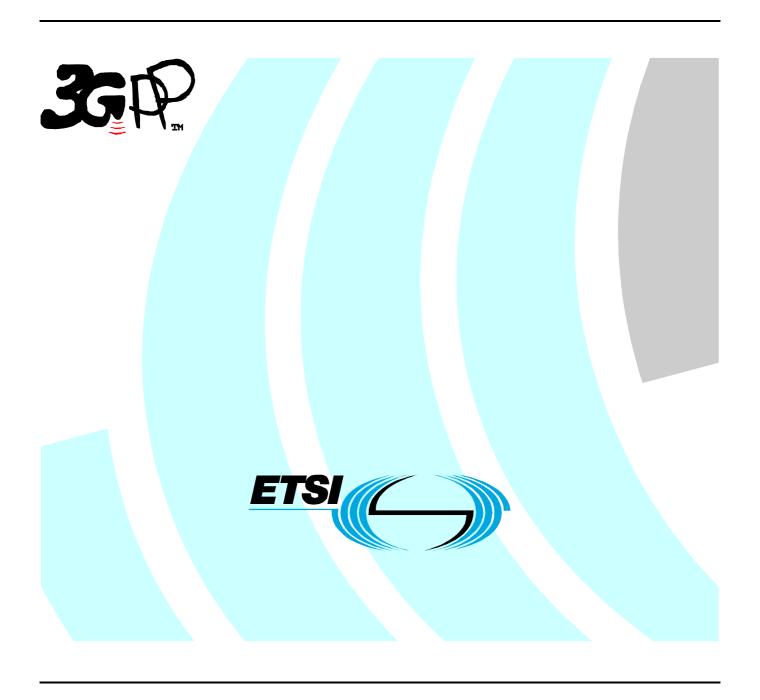
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Contents

Intelle	ectual Property Rights	2
Forew	vord	2
Forew	vord	12
Introd	luction	12
	Scope	
	References	
3 3.1	Definitions and abbreviations	
3.2	Abbreviations	
4	Common requirements of test equipment	15
4.1	General Functional Requirements	
4.2	Minimum performance levels	
4.2.1	Supported Cell Configuration	
4.2.1.1		
4.2.1.1		
4.2.1.1	1.2 Transport Channels	16
4.2.1.1	1.3 Physical Channels	17
4.2.1.2	Supported Channels for TDD Mode	17
4.2.1.2	\mathcal{C}	17
4.2.1.2	2.2 Transport Channels	17
4.2.1.2	J	
4.2.1.3	11 cen C	
4.2.2	RF Performance	
4.2.2.1	1	
4.2.2.2		
4.2.2.3	- r	
4.2.2.4	- r ~ -88	
4.2.2.5	1	
4.2.3	Timers Tolerances	
	Reference Test Conditions	
5.1	Test frequencies	
5.1.1	FDD Mode Test frequencies	
5.1.1.1		
5.1.1.2		
5.1.1.3		
5.1.2 5.1.2.1	TDD Mode Test frequencies Standard TDD reference test frequencies	
5.1.2.1 5.1.2.2	<u>-</u>	
5.1.2.2 5.2	Radio conditions	
5.2.1	Normal Propagation Condition	
5.2.1	Static Propagation Condition	
5.2.3	Multi-Path Fading Propagation Conditions	
5.2.4	Moving Propagation Conditions	
5.2.5	Birth-Death propagation conditions	
5.3	Standard test signals	
5.4	Signal levels	
5.4.1	Downlink Signal Levels	
5.4.2	Uplink Signal Levels	
6	Reference System Configurations	21
6.1	Simulated network environments	
6.1.0a	Default Master Information Block and Scheduling Block messages	22
6.1.0a.	.1 Grouping SIBs for testing	22

6.1.0a.2 SIB configurations	22
6.1.0a.3 SIB default schedule	
Contents of Master Information Block PLMN type is the case of GSM-MAP	
Contents of Scheduling Block 1 (FDD)	25
Contents of Scheduling Block 1 (TDD)	
6.1.0a.4 SIB special schedules	
6.1.0a.4.1 SIB schedule for two S-CCPCH or two PRACH	26
6.1.0a.4.2 SIB schedule for Inter-Rat Handover Test	
6.1.0b Default System Information Block Messages	27
Contents of System Information Block type 1 (supported PLMN type is GSM-MAP)	27
Contents of System Information Block type 2	27
Contents of System Information Block type 3 (FDD)	28
Contents of System Information Block type 3 (TDD)	29
Contents of System Information Block type 4 in connected mode (FDD)	30
Contents of System Information Block type 4 in connected mode (similar to SIB type3) (TDD)	31
Contents of System Information Block type 5 (FDD)	
Contents of System Information Block type 5 (TDD)	34
Contents of System Information Block type 6 in connected mode (FDD)	
Contents of System Information Block type 6 in connected mode (similar to SIB type 5) (TDD)	
Contents of System Information Block type 7 (FDD)	
Contents of System Information Block type 7 (TDD)	
Contents of System Information Block type 8, 9 (only for FDD)	
Contents of System Information Block type 10 (only for FDD)	
Contents of System Information Block type 11 (FDD)	
Contents of System Information Block type 11 (TDD)	
Contents of System Information Block type 12 in connected mode (FDD)	
Contents of System Information Block type 12 in connected mode (similar to SIB type11) (TDD)	
Contents of System Information Block type 13 (used when supported PLMN type is ANSI-41)	
Contents of System Information Block type 14 (TDD)	
Contents of System Information Block type 16	
Contents of System Information Block type17 (TDD)	
Contents of System Information Block type 18	
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	56
Contents of System Information Block type 5 (FDD)	
Contents of System Information Block type 6 in connected mode (FDD)	61
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	64
Contents of System Information Block type 5 (FDD)	
Contents of System Information Block type 6 in connected mode (FDD)	
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	71
Contents of Scheduling Block 1 (FDD)	
Contents of System Information Block type 5 (FDD)	
6.1.4 Default parameters for 1 to 8 cell environments	
Default settings for cell No.1 (FDD):	
Default settings for cell No.1 (TDD):	
Cell No.2	
Default settings for cell No.2 (FDD):	
Default settings for cell No.2 (TDD):	
Cell No.3	
Default settings for cell No.3 (FDD):	
Default settings for cell No.3 (TDD):	
Cell No.4	
Default settings for cell No.4 (FDD):	
Default settings for cell No.4 (TDD):	
Cell No.5	
Default settings for cell No.5 (FDD):	
Default settings for cell No.5 (TDD):	
Cell No.6	

Default se	ettings for cell No.6 (FDD):	79
	ettings for cell No.6 (TDD):	
Cell No.7		
Default se	ettings for cell No.7 (FDD):	
	ettings for cell No.7 (TDD):	
Cell No.8		
	ettings for cell No.8 (FDD):	
	ettings for cell No.8 (TDD):	
6.1.5	Reference Radio Conditions for signalling test cases only (FDD)	
6.1.6	Reference Radio Conditions for signalling test cases only (TDD)	
6.2	Number of neighbour cells	
6.2.1	Basic Network	
6.2.2	Soft Handover Network (FDD)	
6.2.3	Hard Handover Network	
6.2.4	'Roaming' Network	
6.3	Cell/BS codes etc	
6.4		
	Routing/location area	
6.5	Network options settings	
6.6	Power control mode	
6.6.1	Downlink Power Control	
6.6.1.1	Outer Loop Power Control	
6.6.1.2	Inner Loop Power Control	
6.6.2	Uplink Power Control	
6.6.2.1	Outer Loop Power Control	
6.6.2.2	Inner Loop Power Control (FDD)	
6.7	Tx Diversity modes	
6.7.1	Non-Diverse Operation	
6.7.2	Diverse Operation	84
6.7.2.1	Diverse Operation (FDD mode)	84
6.7.2.2	Diverse Operation (TDD mode)	85
6.8	Compressed Mode Parameters (FDD)	85
6.8.1	Normal Operation	85
6.8.2	Inter-Frequency Hard Handover	85
6.9	BCCH parameters.	
6.10	Reference Radio Bearer configurations used in Radio Bearer interoperability testing	85
6.10.1	QoS Architecture and RAB attributes	
6.10.2	RAB and signalling RB for FDD	
6.10.2.1	RABs and signalling RBs	
6.10.2.2	Combinations of RABs and Signalling RBs	
6.10.2.3	Example of linkage between RABs and services	
6.10.2.4	Typical radio parameter sets	
6.10.2.4.1		
6.10.2.4.2		
6.10.2.4.3		
6.10.2.4.4		
6.10.3	RAB and signalling RB for TDD	
6.10.3.1	RABs and signalling RBs.	
6.10.3.2	Combinations of RABs and Signalling RBs	
6.10.3.3	Example of linkage between RABs and services	
6.10.3.4	Typical radio parameter sets	
6.10.3.4.1		
6.10.3.4.2		
6.10.3.4.3		
6.10.3.4.4		
6.10.3.4.5		
6.11	Common Radio Bearer configurations for other test purposes	
6.11.1	Unacknowledged Mode Radio Bearer configuration (7 bit Length Indicator)	
6.11.2	Unacknowledged Mode Radio Bearer configuration (15 bit Length Indicator)	
6.11.3	Acknowledged Mode Radio Bearer configuration (7 bit Length Indicator)	
6.11.4	Acknowledged Mode Radio Bearer configuration (15 bit Length Indicator)	324
7 ~	i ootuu maasaduuss	225
7 G	eneric setup procedures	325

7.1	Basic Generic Procedures	325				
7.1.1	UE Test States for Basic Generic Procedures	325				
7.1.2	Mobile terminated establishment of Radio Resource Connection					
7.1.2.1	Initial conditions	326				
7.1.2.2	Definition of system information messages	327				
7.1.2.3	Procedure	327				
7.1.2.4	Specific message contents	327				
7.1.2.4.1	PAGING TYPE 1	327				
7.1.2.4.2	RRC CONNECTION REQUEST	328				
7.1.2.4.3	RRC CONNECTION SETUP	328				
7.1.2.4.4	RRC CONNECTION SETUP COMPLETE	329				
7.1.3	Radio Bearer Setup Procedure	330				
7.1.3.1	Initial conditions	330				
7.1.3.2	Definition of system information messages	330				
7.1.3.3	Procedure	330				
7.1.3.4	Specific message contents					
7.1.3.4.1	RADIO BEARER SETUP	331				
7.1.3.4.2	RADIO BEARER SETUP COMPLETE	331				
7.2	Generic setup procedures	332				
7.2.1	UE Test States for Generic setup procedures					
7.2.2	Registration of UE					
7.2.2.1	Registration on CS					
7.2.2.1.1	Initial condition	333				
7.2.2.1.2	Definition of system information messages					
7.2.2.1.3	Procedure					
7.2.2.1.4	Specific message contents					
7.2.2.2	Registration on PS					
7.2.2.2.1	Initial condition					
7.2.2.2.2	Definition of system information messages					
7.2.2.2.3	Procedure					
7.2.2.2.4	Specific message contents					
7.2.2.3	Registration on CS / PS combined environment					
7.2.2.3.1	Initial condition	334				
7.2.2.3.2	Definition of system information messages	334				
7.2.2.3.3	Procedure	335				
7.2.2.3.4	Specific message contents	335				
7.2.3	Call setup	335				
7.2.3.1	Generic call set up procedure for mobile terminating circuit switched calls	335				
7.2.3.1.1	Initial conditions	335				
7.2.3.1.2	Definition of system information messages	335				
7.2.3.1.3	Procedure	336				
7.2.3.1.4	Specific message contents	336				
7.2.3.2	Generic call set-up procedure for mobile originating circuit switched calls	336				
7.2.3.2.1	Initial conditions	336				
7.2.3.2.2	Definition of system information messages	336				
7.2.3.2.3	Procedure	337				
7.2.3.2.4	Specific message contents	337				
7.2.4	Session setup					
7.2.4.1	Generic session set up procedure for mobile terminating packet switched sessions	337				
7.2.4.1.1	Initial conditions	337				
7.2.4.1.2	Definition of system information messages	337				
7.2.4.1.3	Procedure					
7.2.4.1.4	Specific message contents					
7.2.4.2	Generic session set up procedure for mobile originating packet switched sessions	338				
7.2.4.2.1	Initial conditions					
7.2.4.2.2	Definition of system information messages	338				
7.2.4.2.3	Procedure					
7.2.4.2.4	Specific message contents					
7.3	Test procedures for RF test					
7.3.1	UE Test States for RF testing					
7.3.2	Test procedure for TX, RX and Performance Requirement (without handover)					
7321	Initial conditions	330				

7.3.2.2	Definition of system information messages	
7.3.2.3	Procedure	340
7.3.2.4	Specific message contents	341
7.3.2.4.1	ATTCH ACCEPT	
7.3.2.4.2	Reference measurement channels	341
7.3.2.4.3	UE test loop mode	342
7.3.2.4.4	Compressed mode	342
7.3.2.4.5	Transmit diversity mode	342
7.3.3	Test procedure for Rx Spurious Emission	342
7.3.3.1	Initial conditions	342
7.3.3.2	Definition of system information messages	343
7.3.3.3	Procedure	343
7.3.3.4	Specific message contents	344
7.3.4	Test procedure for Handover	344
7.3.5	Test procedure for Measurement Performance Requirement	344
7.4	Common generic procedures for AS testing	345
7.4.1	UE RRC Test States for common procedures	345
7.4.2	Generic Setup Procedure for RRC test cases	346
7.4.2.1	RRC connection establishment procedure for circuit-switched calls (procedure P3 and P4)	346
7.4.2.1.1	Mobile terminating call	
7.4.2.1.2	Mobile originating calls	
7.4.2.2	RRC connection establishment procedure for packet switched sessions (procedure P5 and P6)	
7.4.2.2.1	Mobile terminating session	
7.4.2.2.2	Mobile originating sessions	
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	
7.4.2.3.2	Mobile originating calls	
7.4.2.4	NAS session activation procedure for packet switched sessions (procedure P9 and P10)	
7.4.2.4.1	Mobile terminating session	
7.4.2.4.2	Mobile originating sessions	
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	
7.4.2.5.2	Mobile originating calls	
7.4.2.6	Radio access bearer establishment procedure for packet switched sessions (procedure P13 and	
	P14)	353
7.4.2.6.1	Mobile terminating session	
7.4.2.6.2	Mobile originating sessions	
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)	
7.4.2.7.2	Transition to URA_PCH (procedure P17 and P18)	355
8 Te	est USIM Parameters	
8.1	Introduction	
8.1.1	Definitions	
8.1.2	Definition of the test algorithm for authentication	356
8.1.2.1	Authentication and key derivation in the test USIM and SS	
8.1.2.2	Generation of re-synchronisation parameters in the USIM	
8.1.2.3	Using the authentication test algorithm for UE conformance testing	358
8.1.2.3.1	Authentication accept case	358
8.1.2.3.2	MAC failure case	358
8.1.2.3.3	SQN failure case	359
8.2	Default Parameters for the test USIM	359
8.3	Default settings for the Elementary Files (EFs)	
8.3.1	Contents of the EFs at the MF level	360
8.3.1.1	EF _{DIR}	360
8.3.1.2	EFICCID (ICC Identity)	360
8.3.1.3	EFPL (Preferred Languages)	
8.3.1.4	EFARR (Access rule reference)	
8.3.2	Contents of files at the USIM ADF (Application DF) level	
8.3.2.1	EFLI (Language Indication)	
8.3.2.2	EFIMSI (IMSI)	360

8.3.2.3	EF _{Keys} (Ciphering and Integrity Keys)	360
8.3.2.4	EF _{KevsPS} (Ciphering and Integrity Keys for Packet Switched domain)	360
8.3.2.5	EF _{PLMNwAcT} (User controlled PLMN selector with Access Technology)	361
8.3.2.6	EFHPLMN (HPLMN search period)	361
8.3.2.7	EFACMmax (ACM maximum value)	361
8.3.2.8	EFUST (USIM Service Table)	362
8.3.2.9	EFACM (Accumulated Call Meter)	362
8.3.2.10	EFGID1 (Group Identifier Level 1)	363
8.3.2.11	EFGID2 (Group Identifier Level 2)	363
8.3.2.12	EFSPN (Service Provider Name)	363
8.3.2.13	EFPUCT (Price per Unit and Currency Table)	363
8.3.2.14	EFCBMI (Cell Broadcast Message identifier selection)	363
8.3.2.15	EFACC (Access Control Class)	363
8.3.2.16	EFFPLMN (Forbidden PLMNs)	363
8.3.2.17	EFLOCI (Location Information)	363
8.3.2.18	EFAD (Administrative Data)	364
8.3.2.19	Void	364
8.3.2.20	EF _{CBMID} (Cell Broadcast Message Identifier for Data Download)	364
8.3.2.21	EFECC (Emergency Call Codes)	364
8.3.2.22	EFCBMIR (Cell Broadcast Message Identifier Range selection)	364
8.3.2.23	EFPSLOCI (Packet Switched location information)	364
8.3.2.24	EF _{FDN} (Fixed Dialling Numbers)	364
8.3.2.25	EF _{SMS} (Short messages)	364
8.3.2.26	EFMSISDN (MSISDN)	365
8.3.2.27	EFSMSP (Short message service parameters)	365
8.3.2.28	EFSMSS (SMS status)	
8.3.2.29	EFSDN (Service Dialling Numbers)	
8.3.2.30	EFEXT2 (Extension2)	
8.3.2.31	EFEXT3 (Extension3)	365
8.3.2.32	EFSMSR (Short message status reports)	
8.3.2.33	EFICI (Incoming Call Information)	
8.3.2.34	EFOCI (Outgoing Call Information)	
8.3.2.35	EFICT (Incoming Call Timer)	
8.3.2.36	EFOCT (Outgoing Call Timer)	
8.3.2.37	EFEXT5 (Extension5)	
8.3.2.38	EFCCP2 (Capability Configuration Parameters 2)	
8.3.2.39	EF _{eMI, PP} (enhanced Multi Level Precedence and Pre-emption)	
8.3.2.40	EFAAeM (Automatic Answer for eMLPP Service)	
8.3.2.41	EF _{GMSI} (Group Identity)	
8.3.2.42	EFHiddenkey (Key for hidden phone book entries)	
8.3.2.43	Void	
8.3.2.44	EFBDN (Barred dialling numbers)	
8.3.2.45	EFEXT4 (Extension 4)	366
8.3.2.46	EF _{CMI} (Comparison method information)	366
8.3.2.47	EFEST (Enabled service table)	366
8.3.2.48	EFACL (Access point name control list)	366
8.3.2.49	EFDCK (Depersonalisation control keys)	
8.3.2.50	EF _{CNL} (Co-operative network list)	
8.3.2.51	EF _{START-HFN} (Initialisation values for Hyperframe number)	
8.3.2.52	EF _{THRESHOLD} (Maximum value of START)	366
8.3.2.53	EF _{OPLMNsel} (OPLMN selector)	
8.3.2.54	EFPHPLMNAT (Preferred HPLMN Access Technology)	
8.3.2.55	EFARR (Access rule reference)	367

8.3.2.56	EF _{RPLMNACT} (RPLMN Last used Access Technology)	367
8.3.2.57	EF _{NETPAR} (Network Parameters)	
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	EFSAI (SoLSA Access Indicator)	
8.3.3.1.2	EF _{SLL} (SoLSA LSA List)	
8.3.3.1.3	LSA Descriptor files	
8.3.3.1.4	Contents of files at the MEXE level	
8.3.3.2	Contents of files at the DF PHONEBOOK level	
8.3.3.2.1	EFPBR (Phone Book Reference file)	
8.3.3.2.2	EF _{IAP} (Index Administration Phone book)	
8.3.3.2.3	EFADN (Abbreviated dialling numbers)	
8.3.3.2.4	EFEXT1 (Extension1)	
8.3.3.2.5	EFpBC (Phone Book Control)	368
8.3.3.2.6	EFGRP (Grouping file)	368
8.3.3.2.7	EFAAS (Additional number Alpha String)	368
8.3.3.2.8	EFGAS (Grouping information Alpha String)	368
8.3.3.2.9	EFANR (Additional Number)	368
8.3.3.2.10	EF _{SNE} (Second Name Entry)	
8.3.3.2.11	EFCCP1 (Capability Configuration Parameters 1)	
8.3.3.2.12	Phone Book Synchronisation	
8.3.3.2.12	EF _{EMAIL} (e-mail address)	
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)	
8.3.3.3.2	EF _{KcGPRS} (GPRS Ciphering key KcGPRS)	
8.3.3.3.3 8.3.3.3.4	VoidEFCPBCCH (CPBCCH Information)	
8.3.3.3.5	EF _{InvScan} (Investigation Scan)	
8.3.4 8.3.4.1	Contents of EFs at the TELECOM level EFADN (Abbreviated dialling numbers)	
8.3.4.2	EFEXT1 (Extension1)	
8.3.4.3	EFECCP (Extended Capability Configuration Parameter)	
8.3.4.4	EFSUME (SetUpMenu Elements)	
8.3.4.5	EFARR (Access rule reference)	
8.3.5	Contents of DFs at the TELECOM level	
8.3.5.1	Contents of files at the DFGRAPHICS level	
8.3.5.1.1	EF _{IMG} (Image)	
8.3.5.1.2	Image Instance Data Files	
8.3.5.2	Contents of files at the DFPHONEBOOK under the DFTELECOM	370
	ult Message Contents	
	Default Message Contents for Signalling	
9.1.1	Default RRC Message Contents (FDD)	
	STEM INFORMATION:	
	ACTIVE SET UPDATE message: AM	
	ACTIVE SET UPDATE FAILURE message: AM	
	ACTIVE SET UPDATE FAILURE message: AM CELL UPDATE message: TM	
Contents of	CELL UPDATE message: IM CELL UPDATE CONFIRM message: UM	373
	DOWNLINK DIRECT TRANSFER message: AM	
	INITIAL DIRECT TRANSFER message: AM	
	MEASUREMENT CONTROL message: AM	
	MEASUREMENT CONTROL FAILURE message: AM	
Contents of	MEASUREMENT REPORT message: AM	376
	PAGING TYPE 1 message: TM (Speech in CS)	
	PAGING TYPE 1 message: TM (The others of speech in CS)	
Contents of	PAGING TYPE 1 message: TM (Packet in PS)	377

Contents of PAGING TYPE 1 message: TM (SMS in CS)	
Contents of PAGING TYPE 1 message: TM (SMS in PS)	
Contents of PAGING TYPE 2 message: AM (Speech in CS)	378
Contents of PHYSICAL CHANNEL RECONFIGURATION message: AM or UM	
Contents of PHYSICAL CHANNEL RECONFIGURATION COMPLETE message: AM	
Contents of PHYSICAL CHANNEL RECONFIGURATION FAILURE message: AM	
Contents of RADIO BEARER SETUP message: AM or UM (Speech in CS)	
$Contents\ of\ RADIO\ BEARER\ SETUP\ message:\ AM\ or\ UM\ (Packet\ to\ CELL_DCH\ from\ CELL_DCH\ in\ PS)\$	
Contents of RADIO BEARER SETUP message: AM or UM	
Contents of RADIO BEARER SETUP COMPLETE message: AM	
Contents of RADIO BEARER SETUP FAILURE message: AM	404
Contents of RADIO BEARER RECONFIGURATION message: AM or UM	405
Contents of RADIO BEARER RECONFIGURATION FAILURE message: AM	
Contents of RADIO BEARER RECONFIGURATION COMPLETE message: AM	
Contents of RADIO BEARER RELEASE message: AM or UM	
Contents of RADIO BEARER RELEASE COMPLETE message: AM	
Contents of RADIO BEARER RELEASE FAILURE message: AM	
Contents of RRC CONNECTION REQUEST message: TM	
Contents of RRC CONNECTION REJECT message: UM	
Contents of RRC CONNECTION RELEASE message: UM	
Contents of RRC CONNECTION RELEASE COMPLETE message: AM or UM	
Contents of RRC CONNECTION SETUP message: UM (Transition to CELL_DCH)	
Contents of RRC CONNECTION SETUP message: UM (Transition to CELL_FACH)	426
Contents of RRC CONNECTION SETUP COMPLETE message: AM	430
Contents of RRC STATUS message: AM	
Contents of SECURITY MODE COMMAND message: AM	
Contents of SECURITY MODE COMPLETE message: AM	
Contents of SECURITY MODE FAILURE message: AM	
Contents of TRANSPORT CHANNEL RECONFIGURATION message: AM or UM	
Contents of TRANSPORT CHANNEL RECONFIGURATION COMPLETE message: AM	
Contents of TRANSPORT CHANNEL RECONFIGURATION FAILURE message: AM	
$Contents\ of\ TRANSPORT\ FORMAT\ COMBINATION\ CONTROL\ message:\ AM\ or\ UM\ (in\ CELL_DCH)$	
Contents of UE CAPABILITY ENQUIRY message: AM or UM	
Contents of UE CAPABILITY INFORMATION message: AM	
Contents of UE CAPABILITY INFORMATION CONFIRM message: UM	
Contents of URA UPDATE message: TM	
Contents of URA UPDATE CONFIRM message: UM	
Contents of UPLINK DIRECT TRANSFER message: AM	
Contents of UTRAN MOBILITY INFORMATION message: AM or UM	443
Contents of UTRAN MOBILITY INFORMATION CONFIRM message: AM	444
9.1.2 Default RRC Message Contents (TDD)	
Contents of DOWNLINK DIRECT TRANSFER message: AM	
Contents of INITIAL DIRECT TRANSFER message: AM	444
Contents of PAGING TYPE 1 message: TM (Speech in CS)	445
Contents of PAGING TYPE 1 message: TM (The others of speech in CS)	
Contents of PAGING TYPE 1 message: TM (Packet in PS)	445
Contents of RADIO BEARER SETUP message: AM or UM (Speech in CS)	446
$Contents\ of\ RADIO\ BEARER\ SETUP\ message:\ AM\ or\ UM\ (Packet\ to\ CELL_DCH\ from\ CELL_DCH\ in\ PS)\$	
Contents of RADIO BEARER SETUP COMPLETE message: AM	
Contents of RADIO BEARER RELEASE COMPLETE message: AM	
Contents of RRC CONNECTION REQUEST message: TM	
Contents of RRC CONNECTION RELEASE message: UM	
Contents of RRC CONNECTION RELEASE COMPLETE message: AM or UM	
Contents of RRC CONNECTION SETUP message: UM (Transition to CELL_DCH)	
Contents of RRC CONNECTION SETUP COMPLETE message: AM	
Contents of SECURITY MODE COMMAND message: AM	
Contents of SECURITY MODE COMPLETE message: AM	
Contents of UPLINK DIRECT TRANSFER message: AM	
9.2 Default Message Contents for RF	
Contents of Activate RB Test Mode message	
Contents of Close UE Test Loop message	
Continue at their 101/ Test Lagranges	466

Contents of PAGING TYPE 1 message: TM (CS)	466
Contents of PAGING TYPE 1 message: TM (PS)	466
Contents of RADIO BEARER SETUP message: AM or UM	
Contents of RRC CONNECTION RELEASE message: UM	
Contents of RRC CONNECTION SETUP message: UM	
Contents of SECURITY MODE COMMAND message: AM	
Annex A (informative): System information definition using ASN.1 description	479
Annex B (informative): Change history	495
History	497

11

Foreword

This Technical Specification (TS) has been produced by the 3rd Generation Partnership Project (3GPP).

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

Version x.y.z

where:

- x the first digit:
 - 1 presented to TSG for information;
 - 2 presented to TSG for approval;
 - 3 or greater indicates TSG approved document under change control.
- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
- z the third digit is incremented when editorial only changes have been incorporated in the document.

Introduction

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

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

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

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

1 Scope

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

2 References

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

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

Telephone Network (PSTN)".

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

Telegraphic and the president decembers.		
[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

[1	8]	3GPP TR 23.910: "Circuit Switched Data Bearer Service".
[1	9]	Void.
[2	0]	3GPP TS 25.104: "UTRA (BS) FDD; Radio Transmission and Reception".
[2	1]	3GPP TS 25.105: "UTRA (BS) TDD; Radio Transmission and Reception".
[2	2]	3GPP TS 31.101: "UICC-Terminal Interface; Physical and Logical Characteristics".
[2	3]	3GPP TS 31.102: "Characteristics of the USIM Application".
[2	4]	3GPP TS 33.102: "3G Security; Security Architecture".
[2	5]	3GPP TS 33.103: "3G Security; Integration Guidelines".
[2	6]	3GPP TS 33.105: "3G Security; Cryptographic Algorithm Requirements".
[2	7]	3GPP TS 25.224: "Physical layer procedures (TDD)".
[2	8]	3GPP TS 25.221: "Physical Channels and mapping of Transport Channels onto Physical channels (TDD)".
[2	9]	3GPP TS 25.222: "Multiplexing and Channel Coding (TDD)".

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 Acknowledgement mode AM ATT Attenuator **Broadcast Control Channel BCCH CBS** Cell Broadcast Service CC Convolutional coding **CCCH** Common Control Channel CCTrCH **Coded Composite Transport Channel**

Circuit switching CS

Dedicated Control Channel DCCH

DLDownlink

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 multicell test cases.

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

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

4.2.1.1 Supported Channels for FDD Mode

4.2.1.1.1 Logical Channels

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

4.2.1.1.2 Transport Channels

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

4.2.1.1.3 Physical Channels

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

4.2.1.2 Supported Channels for TDD Mode

4.2.1.2.1 Logical Channels

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

4.2.1.2.2 Transport Channels

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

4.2.1.2.3 Physical Channels

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

4.2.1.3 Support of T_{cell} timing offset

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

4.2.2 RF Performance

4.2.2.1 Frequency of Operation

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

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

4.2.2.2 Power Level Setting Accuracy

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

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

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

4.2.2.3 Uplink Power Control

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

4.2.2.4 Uplink Signal Handling

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

4.2.2.5 Uplink Sensitivity

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

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

4.2.3 Timers Tolerances

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

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

Where t_{delta} is 55 ms.

5 Reference Test Conditions

5.1 Test frequencies

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

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

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

5.1.1 FDD Mode Test frequencies

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

5.1.1.1 FDD reference test frequencies for Operating Band I

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

5.1.1.2 FDD reference test frequencies for Operating Band II

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

5.1.1.3 FDD reference test frequencies for Operating Band III

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

5.1.2 TDD Mode Test frequencies

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

5.1.2.1 Standard TDD reference test frequencies

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

5.1.2.2 TDD reference test frequencies for ITU Region 2

a)

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

b)

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

5.2 Radio conditions

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

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

5.2.1 Normal Propagation Condition

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

5.2.2 Static Propagation Condition

See [2] annex D for FDD.

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

5.2.3 Multi-Path Fading Propagation Conditions

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

5.2.4 Moving Propagation Conditions

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

5.2.5 Birth-Death propagation conditions

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

5.3 Standard test signals

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

5.4 Signal levels

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

5.4.1 Downlink Signal Levels

<FFS>

5.4.2 Uplink Signal Levels

<FFS>

6 Reference System Configurations

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

6.1 Simulated network environments

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

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

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

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

6.1.0a Default Master Information Block and Scheduling Block messages

6.1.0a.1 Grouping SIBs for testing

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

6.1.0a.2 SIB configurations

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

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

6.1.0a.3 SIB default schedule

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

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

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

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

Contents of Scheduling Block 1 (FDD)

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

Contents of Scheduling Block 1 (TDD)

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

- SEG_COUNT	1
- SIB REP	16
- SIB POS	2
- SIB POS offset info	Not Present
- SIB type SIBs only	System Information Type 7
- Scheduling information	Cyclem information Type 7
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	3
	64
- SIB_REP	
- SIB_POS	29
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 11
- Scheduling information	
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	3
- SIB_REP	64
- SIB_POS	13
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB type SIBs only	System Information Type 12
- Scheduling information	, , , , , , , , , , , , , , , , , , , ,
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	1
- SIB_REP	64
- SIB POS	54
- SIB_POS offset info	Not Present - use default
- SIB type SIBs only	System Information Type 14
- Scheduling information	by Sterif information Type 17
- CHOICE Value tag	PLMN Value tag
- PLMN Value tag	1
- SEG_COUNT	1
- SIB_REP	64
- SIB_POS	6
- SIB_POS offset info	Not Present
- SIB type SIBs only	System Information Type 18

6.1.0a.4 SIB special schedules

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

FFS

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

FFS

6.1.0b Default System Information Block Messages

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

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

Contents of System Information Block type 2

- URA identity list	Only 1 URA identity broadcasted
- URA identity	0000 0000 0000 0001B

Contents of System Information Block type 3 (FDD)

OID 4 : I' 4	TOUE
- SIB4 indicator	TRUE
- Cell identity	0000 0000 0000 0000 0000 0000 0001B
- Cell selection and re-selection info	
- Mapping info	Not Present
 Cell selection_and_reselection_quality 	CPICH RSCP
measure	
- CHOICE mode	FDD
- Sintrasearch	16 dB
- Sintersearch	16 dB
- SsearchHCS	Not Present
- RAT List	This parameter is configurable.
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not Present
- Slimit,SearchRAT	0
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Qhyst1s	2 dB
- Qhyst2s	Not Present
- Treselections	0 seconds
- HCS Serving cell information	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- Cell Access Restriction	Not borred
- Cell barred	Not barred
- Intra-frequency cell re-selection indicator	Not present
- T _{barred}	Not present
- Cell Reserved for operator use	Not reserved
- Cell Reservation Extension	Not reserved
- Access Class Barred List	
- Access Class Barred0	Not barred
- Access Class Barred1	Not barred
- Access Class Barred2	Not barred
- Access Class Barred3	Not barred
- Access Class Barred4	Not barred
- Access Class Barred5	Not barred
- Access Class Barred6	Not barred
- Access Class Barred7	Not barred
- Access Class Barred8	Not barred
- Access Class Barred9	Not barred
- Access Class Barred10	Not barred
- Access Class Barred11	Not barred
- Access Class Barred12	Not barred
- Access Class Barred13	Not barred
- Access Class Barred14	Not barred
- Access Class Barred15	Not barred

Contents of System Information Block type 3 (TDD)

- SIB4 Indicator	TRUE
- Cell identity	0000 0000 0000 0000 0000 0000 0001B
- Cell selection and re-selection info	
- Mapping info	Not present
- Cell selection_and_reselection_quality	(no data)
measure	(no data)
- CHOICE mode	TDD
- Sintrasearch	10 dB
- Sintersearch	10 dB
- SsearchHCS	Not present
- RAT List	This parameter is configurable.
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not present
- Slimit,ShearchRAT	Not Present
- Qrxleymin	-103 dBm
- Qhyst1s	0 dB
- Treselections	0 seconds
- HCS Serving cell information	Not present
- Maximum allowed UL TX power	30dBm
- Cell Access Restriction	OOGDIII
- Cell barred	Not barred
- Intra-frequency cell re-selection indicator	Not present
- T _{barred}	Not present
- Cell Reserved for operator use	Not reserved
- Cell Reservation Extension	Not reserved
- Access Class Barred List	110110001100
- Access Class Barred0	Not barred
- Access Class Barred1	Not barred
- Access Class Barred2	Not barred
- Access Class Barred3	Not barred
- Access Class Barred4	Not barred
- Access Class Barred5	Not barred
- Access Class Barred6	Not barred
- Access Class Barred7	Not barred
- Access Class Barred8	Not barred
- Access Class Barred9	Not barred
- Access Class Barred10	Not barred
- Access Class Barred11	Not barred
- Access Class Barred12	Not barred
- Access Class Barred13	Not barred
- Access Class Barred14	Not barred
- Access Class Barred15	Not barred

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

- Cell identity	0000 0000 0000 0000 0000 0000 0001B
- Cell selection and re-selection info	
- Mapping Info	Not present
- Cell_selection_and_reselection_quality	CPICH RSCP
measure	
- CHOICE mode	FDD
- Sintrasearch	16 dB
- Sintersearch	16 dB
- SsearchHCS	Not present
- RAT List	This parameter is configurable.
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
,	Not Present
- SHCS,RAT	
- Slimit, SearchRAT	Deference to table C.4.4
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Qhyst1s	2 dB
- Qhyst2s	Not Present
- Treselections	0 seconds
- HCS Serving cell information	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- Cell Access Restriction	
- Cell barred	Not barred
- Intra-frequency cell re-selection indicator	Not present
- T _{barred}	Not present
- Access Class Barred	Not barred
- Cell Reserved for operator use	Not reserved
- Cell Reservation Extension	Not reserved
- Access Class Barred List	
- Access Class Barred0	Not barred
- Access Class Barred1	Not barred
- Access Class Barred2	Not barred
- Access Class Barred3	Not barred
- Access Class Barred4	Not barred
- Access Class Barred5	Not barred
- Access Class Barred6	Not barred
- Access Class Barred7	Not barred
- Access Class Barred8	Not barred
- Access Class Barred9	Not barred
- Access Class Barred10	Not barred
- Access Class Barred11	Not barred
- Access Class Barred12	Not barred
- Access Class Barred13	Not barred
- Access Class Barred14	Not barred
- Access Class Barred15	Not barred
7100000 Oldoo Dallou lo	110t bullou

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

- Cell identity	0000 0000 0000 0000 0000 0000 0001B
- Cell selection and re-selection info	
- Mapping info	Not Present
- Cell_selection_and_reselection_quality_	(no data)
measure	
- CHOICE mode	TDD
- Sintrasearch	10 dB
- Sintersearch	10 dB
- SsearchHCS	Not present
- RAT List	This parameter is configurable.
- RAT identifier	GSM
- Ssearch,RAT	-32 dB
- SHCS,RAT	Not present
- Slimit,ShearchRAT	Not Present
- Qrxlevmin	-103 dBm
- Qhyst1s	0 dB
- Treselections	0 seconds
- HCS Serving cell information	Not present
- Maximum allowed UL TX power	30dBm
- Cell Access Restriction	
- Cell barred	Not barred
- Intra-frequency cell re-selection indicator	Not present
- T _{barred}	Not present
- Cell Reserved for operator use	Not reserved
- Cell Reservation Extension	Not reserved
- Access Class Barred List	
- Access Class Barred0	Not barred
- Access Class Barred1	Not barred
- Access Class Barred2	Not barred
- Access Class Barred3	Not barred
- Access Class Barred4	Not barred
- Access Class Barred5	Not barred
- Access Class Barred6	Not barred
- Access Class Barred7	Not barred
- Access Class Barred8	Not barred
- Access Class Barred9	Not barred
- Access Class Barred10	Not barred
- Access Class Barred11	Not barred
- Access Class Barred12	Not barred
- Access Class Barred13	Not barred
- Access Class Barred14	Not barred
- Access Class Barred15	Not barred

Contents of System Information Block type 5 (FDD)

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

```
- Available signature End Index
                                                7 (ASC#3)
  - Assigned Sub-channel Number
                                                '1111'B
                                                Not Present
 - ASC Setting
 - ASC Setting
                                                FDD
 - CHOICE mode
  - Available signature Start Index
                                                0 (ASC#5)
  - Available signature End Index
                                                7 (ASC#5)
  - Assigned Sub-channel Number
                                                '1111'B
 - ASC Setting
                                                Not Present
 - ASC Setting
 - CHOICE mode
                                                FDD
  - Available signature Start Index
                                                0 (ASC#7)
  - Available signature End Index
                                                7 (ASC#7)
  - Assigned Sub-channel Number
                                                '1111'B
- Persistence scaling factor
- Persistence scaling factor
                                                0.9 (for ASC#2)
                                                0.9 (for ASC#3)
- Persistence scaling factor
- Persistence scaling factor
                                                0.9 (for ASC#4)
- Persistence scaling factor
                                                0.9 (for ASC#5)
- Persistence scaling factor
                                                0.9 (for ASC#6)
- Persistence scaling factor
                                                0.9 (for ASC#7)
- AC-to-ASC mapping table
- AC-to-ASC mapping
                                                6 (AC0-9)
- AC-to-ASC mapping
                                                5 (AC10)
- AC-to-ASC mapping
                                                4 (AC11)
- AC-to-ASC mapping
                                                3 (AC12)
- AC-to-ASC mapping
                                                2 (AC13)
- AC-to-ASC mapping
                                                1 (AC14)
- AC-to-ASC mapping
                                                0 (AC15)
- Primary CPICH DL TX power
                                                31
- Constant value
                                                -10
- PRACH power offset
- Power Ramp Step
                                                3dB
- Preamble Retrans Max
- RACH transmission parameters
- Mmax
- NB01min
                                                3 slot
- NB01max
                                                10 slot
- AICH info
- Channelisation code
                                                FALSE
- STTD indicator
- AICH transmission timing
Secondary CCPCH system information
- Secondary CCPCH info
- Secondary scrambling code
                                                Not Present
- STTD indicator
                                                FALSE
                                                64
- Spreading factor
- Code number
- Pilot symbol existence
                                                FALSE
- TFCI existence
                                                TRUE
                                                Flexible
- Fixed or Flexible position
- Timing offset
- TFCS
                                                (This IE is repeated for TFC number for PCH and FACH.)
- Normal
 - TFCI Field 1 information
 - CHOICE TFCS representation
                                                Complete reconfiguration
  - TFCS complete information
  - CHOICE CTFC Size
                                                4 bit
   - CTFC information
                                                Not Present
   - Power offset information
   - CTFC information
   - Power offset information
                                                Not Present
   - CTFC information
   - Power offset information
                                                Not Present
   - CTFC information
   - Power offset information
                                                Not Present
   - CTFC information
   - Power offset information
                                                Not Present
   - CTFC information
```

- Power offset information - FACH/PCH information - TES - CHOICE Transport channel type - Dynamic Transport format information - RIC Size - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - CRC size - CHOICE Transport channel type - Ophamic Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - CRC Size - Transport Channel lype - Ophamic Transport sport format information - Transmission time interval - Type of channel coding - CRC Size - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - RIC Size - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - RIC Size - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - RIC Size - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - RIC Size - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - RIC Size - CHOICE Logical Channel List - Semi-static Transport Format information - RIC Size - CHOICE Mode - CHOICE Logical Channel List - Semi-		
- Power offset information - CTEC information - Power offset information - Power offset information - PACH/PCH information - TFS - CHOICE Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - CHOICE Mode - Rate matching attribute - CRC size - Transport Channel Identity - TFS - CHOICE Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Number of Transport format information - TIC Size - Number of Transport format information - RLC Size - Number of Transport format information - Transmission time interval - Number of Transport blocks - CHOICE Logical Channel List - Number of Transport blocks - CHOICE Logical Channel List - Semi-state Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - CHOICE Logical Channel List - Semi-state Transport format information - Transmission time interval - CRC size - CHOICE Mode - CHOICE Logical Channel List - Semi-state Transport channel type - Dynamic Transport channel type - CHOICE Logical Channel List - Semi-state Transport channel type - Dynamic Transport format information - RLC Size - CHOICE Mode - CHOICE Logical Channel List - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Number of Transport blocks - CHOICE Mode - CHOICE Indicator - Transport Channel List - Number of Transport blocks - CHOICE Mode -	- Power offset information	Not Present
- CTFC information - Power offset information - Power offset information - FACH/PCH information - TTFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - CRC Size - CHOICE Transport channel type - Dynamic Transport thomat information - RLC Size - Semi-static Transport Channel type - Dynamic Transport thomat information - RLC Size - CHOICE Mode - CHOICE Logical Channel List - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport channel type - Dynamic Transport channel type - Dynamic Transport format information - Transport Channel dentity - CTCH indicator - TFS - CHOICE Transport channel type - Dynamic Transport channel type - Dynamic Transport channel type - Dynamic Transport format information - Transport Channel coding - Coding Rate - Rate matching attribute - CPC Size - Transport Channel type - Dynamic Transport format information - Transport Channel coding - Rate matching attribute - CHOICE Logical Channel List - Semi-static Transport Format information - Transport Channel coding - Rate matching attribute - CHOICE Logical Channel List - Semi-static Transport Format information - Transport Channel Identity - Type of channel coding - Rate matching attribute - CHO Size - Transport Channel Identity - Type of channel coding - Rate matching attribute - CHOICE Logical Channel List - Semi-static Transport Format information - Transport Channel Coding - Rate matching attribute - CHOICE Logical Channel List - Semi-static Transport Format information - Transport Channel Coding - Rate matching attribute - CHOICE Logical Channel List - Semi-static	- CTFC information	6
- Power offset information - FACH/PCH information - FACH/PCH/PCH/PCH/PCH/PCH/PCH/PCH/PCH/PCH/P	- Power offset information	Not Present
- FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport format information - Transmission time interval - CRC Size - CHOICE Transport channel type - Oynamic Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - Transmission time interval - Type of channel coding - Cholice Logical Channel List - Semi-static Transport channel type - Dynamic Transport channel type - Dynamic Transport channel type - Dynamic Transport channel formation - RLC Size - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport channel formation - RLC Size - CHOICE Transport channel fype - Dynamic Transport channel fype - Dynamic Transport channel fype - Oynamic Transport channel list - Semi-static Transport Format information - RLC Size - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - RLC Size - Oynamic Transport format	- CTFC information	8
- TFS - CHOICE Transport channel type - Dynamic Transport blocks - CHOICE Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport format information - Transmission time interval - Type of channel coding - CRC size - Transport Channel Identity - CTCH indicator - Transport blocks - Number of Transport blocks - CHOICE Transport channel type - Dynamic Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - TTS - CHOICE Transport format information - RLC Size - Transport Channel Identity - CTCH indicator - TFS - CHOICE Transport format information - RLC Size - Dynamic Transport format information - RLC Size - Transport Channel Identity - CTCH indicator - Transmission time interval - Number of Transport blocks - CHOICE Logical Channel List - Semi-static Transport format information - RLC Size - Transport Channel Identity - CTCH indicator - Transmission time interval - Type of channel coding - CHOICE Logical Channel List - Semi-static Transport format information - Transmission time interval - Type of channel coding - CHOICE Logical Channel List - Semi-static Transport format information - Transmission time interval - Type of channel coding - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel Coding - CHOICE Logical Channel List - Semi-static Transpo	- Power offset information	Not Present
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- Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator 1 FDD ALL 10 ms 11 ms 12 ms 14 (for FACH) 130 14 (for FACH) 15 FALSE 18 FALSE		
- CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator - FDD ALL FDD ALL FDD ALL 10 ms Turbo 130 16bit 14 (for FACH) FALSE		
- CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator - ALL ALL ALL 10 ms Turbo 130 16bit 14 (for FACH) FALSE	•	
- Semi-static Transport Format information - Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator - Transport Format information 10 ms - Turbo 130 - 14 (for FACH) - FALSE - STTD indicator - 18 - STTD indicator - FALSE		
- Transmission time interval - Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator - Type of channel interval - 10 ms - Turbo - 130 - 14 (for FACH) - FALSE - FALSE - 18 - STTD indicator - Turbo - 130 - FACH - 14 (for FACH) - FALSE - 18 - FALSE		,
- Type of channel coding - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator - Turbo 130 - 16bit - 14 (for FACH) FALSE 15		10 ms
- Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator - Rate matching attribute 130 14 (for FACH) FALSE 15 FALSE 16 FALSE		
- CRC size - Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator 16bit 14 (for FACH) FALSE 2 18 18 FALSE		
- Transport Channel Identity - CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator 14 (for FACH) FALSE 12 18 FALSE		
- CTCH indicator - PICH info - Channelisation code - Number of PI per frame - STTD indicator FALSE 18 FALSE		
- PICH info - Channelisation code - Number of PI per frame - STTD indicator - PICH info 2 18 FALSE		
- Channelisation code 2 - Number of PI per frame 18 - STTD indicator FALSE		
- Number of PI per frame - STTD indicator 18 FALSE		2
- STTD indicator FALSE		
	- CBS DRX Level 1 information	Not Present

Contents of System Information Block type 5 (TDD)

- SIB6 indicator	TRUE
- PICH Power offset	-5 dB

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

- CHOICE mode	ITDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	Inull
	1 ⁻
- ASC Settings	(ASC#5)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#6)
- CHOICE mode	TDD
 Available Channelisation codes indices 	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- Persistence scaling factors	
- Access Service Class	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- AC-to-ASC mapping	
- AC-to-ASC mapping table	
- AC-to-ASC mapping	6 (AC0-9)
- AC-to-ASC mapping	5 (AC10)
- AC-to-ASC mapping	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping - AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping - AC-to-ASC mapping	1 (AC14) 0 (AC15)
- CHOICE mode	TDD (no data)
	(no data)
- Secondary CCPCH system information	
- Secondary CCPCH system information	
- Secondary CCPCH info	TDD
- CHOICE mode	TDD
- Offset	0
- Common timeslot info	F
- 2 nd interleaving mode	Frame
- TFCI coding	Reference clause 6.10 Parameter Set
- Puncturing limit	Reference clause 6.10 Parameter Set
- Repetition period	Not Present (MD "1")
- Repetition length	Not present
- Individual timeslot info	
- Timeslot number	1
- TFCI existence	Reference clause 6.10 Parameter Set
- Midamble Shift and burst type	
- CHOICE Burst Type	Type 1
- Midamble Allocation Mode	Default midamble
 Midamble configuration burst type 1 and 3 	4
- Midamble Shift	Not Present
- Midamble Shift - Code List	Not Present
	Not Present Reference clause 6.10 Parameter Set
- Code List	
- Code List - Channelisation Code	Reference clause 6.10 Parameter Set
- Code List - Channelisation Code - TFCS	Reference clause 6.10 Parameter Set (This IE is repeated for TFC number for PCH and
- Code List - Channelisation Code	Reference clause 6.10 Parameter Set (This IE is repeated for TFC number for PCH and
Code ListChannelisation CodeTFCSCHOICE <i>TFCI signalling</i>	Reference clause 6.10 Parameter Set (This IE is repeated for TFC number for PCH and
 Code List Channelisation Code TFCS CHOICE TFCI signalling Normal TFCI Field 1 information 	Reference clause 6.10 Parameter Set (This IE is repeated for TFC number for PCH and FACH.)
 Code List Channelisation Code TFCS CHOICE TFCI signalling Normal TFCI Field 1 information CHOICE TFCS representation 	Reference clause 6.10 Parameter Set (This IE is repeated for TFC number for PCH and
- Code List - Channelisation Code - TFCS -CHOICE TFCI signalling - Normal - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete information	Reference clause 6.10 Parameter Set (This IE is repeated for TFC number for PCH and FACH.) Complete reconfiguration
 Code List Channelisation Code TFCS CHOICE TFCI signalling Normal TFCI Field 1 information CHOICE TFCS representation 	Reference clause 6.10 Parameter Set (This IE is repeated for TFC number for PCH and FACH.) Complete reconfiguration Number of bits used must be enough to cover all
- Code List - Channelisation Code - TFCS -CHOICE TFCI signalling - Normal - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete information - CHOICE CTFC Size	Reference clause 6.10 Parameter Set (This IE is repeated for TFC number for PCH and FACH.) Complete reconfiguration Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.
- Code List - Channelisation Code - TFCS -CHOICE TFCI signalling - Normal - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete information - CHOICE CTFC Size - CTFC information	Reference clause 6.10 Parameter Set (This IE is repeated for TFC number for PCH and FACH.) Complete reconfiguration Number of bits used must be enough to cover all combinations of CTFC from clause 6.10. Reference clause 6.10 Parameter Set
- Code List - Channelisation Code - TFCS -CHOICE TFCI signalling - Normal - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete information - CHOICE CTFC Size - CTFC information - Power offset information	Reference clause 6.10 Parameter Set (This IE is repeated for TFC number for PCH and FACH.) Complete reconfiguration Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.
- Code List - Channelisation Code - TFCS -CHOICE TFCI signalling - Normal - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete information - CHOICE CTFC Size - CTFC information - Power offset information - FACH/PCH information	Reference clause 6.10 Parameter Set (This IE is repeated for TFC number for PCH and FACH.) Complete reconfiguration Number of bits used must be enough to cover all combinations of CTFC from clause 6.10. Reference clause 6.10 Parameter Set Not Present
- Code List - Channelisation Code - TFCS -CHOICE TFCI signalling - Normal - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete information - CHOICE CTFC Size - CTFC information - Power offset information - FACH/PCH information - TFS	Reference clause 6.10 Parameter Set (This IE is repeated for TFC number for PCH and FACH.) Complete reconfiguration Number of bits used must be enough to cover all combinations of CTFC from clause 6.10. Reference clause 6.10 Parameter Set Not Present (PCH)
- Code List - Channelisation Code - TFCS -CHOICE TFCI signalling - Normal - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete information - CHOICE CTFC Size - CTFC information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type	Reference clause 6.10 Parameter Set (This IE is repeated for TFC number for PCH and FACH.) Complete reconfiguration Number of bits used must be enough to cover all combinations of CTFC from clause 6.10. Reference clause 6.10 Parameter Set Not Present
- Code List - Channelisation Code - TFCS -CHOICE TFCI signalling - Normal - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete information - CHOICE CTFC Size - CTFC information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information	Reference clause 6.10 Parameter Set (This IE is repeated for TFC number for PCH and FACH.) Complete reconfiguration Number of bits used must be enough to cover all combinations of CTFC from clause 6.10. Reference clause 6.10 Parameter Set Not Present (PCH) Common transport channels
- Code List - Channelisation Code - TFCS -CHOICE TFCI signalling - Normal - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete information - CHOICE CTFC Size - CTFC information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type	Reference clause 6.10 Parameter Set (This IE is repeated for TFC number for PCH and FACH.) Complete reconfiguration Number of bits used must be enough to cover all combinations of CTFC from clause 6.10. Reference clause 6.10 Parameter Set Not Present (PCH)

- Number of Transport blocks - CHOICE Mode - Transmission Time Interval - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Number of Transport channel type - Dynamic Transport format information - RLC Size - CHOICE Mode - Transmission Time Interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Number of TB and TTI List - Number of Transport blocks - CHOICE Logical Channel List - Semi-static Transport channel type - Dynamic Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Number of TB and TTI List - Reference clause 6.10 Parameter Set - Refe		
- Transmission Time Interval - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Cye of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - Transmission Transport format information - RLC Size - Number of Transport blocks - CHOICE Mode - Transmission Time Interval - CRC size - Transport Channel List - Semi-static Transport channel List - Semi-static Transport channel List - Semi-static Transport channel lype - Dynamic Transport format information - RLC Size - Transport Channel List - Semi-static Transport channel List - Semi-static Transport format information - RLC Size - Number of Transport had TTI List - CHOICE Transport channel type - Dynamic Transport channel type - Dynamic Transport channel step - Dynamic Transport format information - RLC Size - Number of Transport thouse - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - RLC Size - Number of Transport channel step - Dynamic Transport format information - RLC Size - Number of Transport format information - RLC Size - Number of Transport format information - RLC Size - Number of Transport format information - RLC Size - Number of Transport format information - RLC Size - Number of Transport format information - RLC Size - Number of Transport format information - RLC Size - Number of Transport format information - RLC Size - Number of Transport format information - Transmission time interval - CHOICE Mode - CHOIC	- Number of Transport blocks	Reference clause 6.10 Parameter Set
. CHOICE Logical Channel List . Semi-static Transport Format information . Transmission time interval . Type of channel coding . Coding Rate . Rate matching attribute . CTCH indicator . Transport Channel Identity . CHOICE Mode . Transport Channel Identity . CHOICE Mode . Transmission Time Interval . Type of channel coding . Coding Rate . Rate matching attribute . CRC size . Transport Channel Identity . CHOICE Mode . Transmission time interval . Type of channel coding . Coding Rate . Rate matching attribute . CRC size . CHOICE Transport channel type . Dynamic Transport format information . Transmission time interval . Type of channel coding . Coding Rate . Rate matching attribute . CRC size . CHOICE Mode . Transport Channel List . Semi-static Transport Format information . RLC Size . CHOICE Mode . Transport Channel List . Semi-static Transport Format information . RLC Size . CHOICE Mode . Type of channel List . Semi-static Transport Format information . RLC Size . CHOICE Mode . Transport Channel List . Semi-static Transport Format information . RLC Size . CHOICE Mode . Type of channel List . Semi-static Transport Format information . RLC Size . CHOICE Mode . CHOICE Logical Channel List . Semi-static Transport Format information . RLC Size . CHOICE Mode . Type of channel List . Semi-static Transport Format information . RLC Size . CHOICE Mode . Type of channel List . Semi-static Transport Format information . RLC Size . CHOICE Mode . Type of Channel List . Semi-static Transport Format information . RLC Size . Reference clause 6.10 Parameter Set . Reference clause 6.	- CHOICE Mode	TDD
- Semi-static Transport Format information - Transmission time interval - CRC size - Transport Channel Identity - CTCH indicator - Transport of Transport channel type - Dynamic Transport format information - Transmission Time Interval - CHOICE Logical Channel List - Semi-static Transport channel Identity - CTCH indicator - Transport Channel List - Number of TB and TTI List - Semi-static Transport format information - Transmission Time Interval - Type of channel Identity - CTCH indicator - Transport Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel Identity - CTCH indicator - Transport Channel Identity - CTCH indicator - Trype of Channel Identity - CHOICE Logical Channel Identity - CHOICE Indicator - Trype of Channel Identity - CTCH indicator - Trype of Channel Identity - CHOICE Indicator - Trype of Channel Identity - CHOICE Mode - CHOICE Indicator - Transport Channel Identity - CTCH indicator - Transport Channel Identity - CTCH indicator - PICH Indicator - PICH Indicator - PICH Indicator - PICH Indicator - Nical Step State	- Transmission Time Interval	Reference clause 6.10 Parameter Set
- Semi-static Transport Format information - Transmission time interval - Coding Rate Reference clause 6.10 Parameter Set 12 (for PCH) - CTCH indicator Transport Channel type - Dynamic Transport format information RLC Size - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC Size - Transport Channel list - Semi-static Transport format information - RLC Size - Transport Channel list - Sumber of TB and TTI List - Number of Transport format information - RLC Size - Transport Channel list - Semi-static Transport format information - RLC Size - Transport Channel List - Semi-static Transport format information - Transmission time interval - Type of channel coding - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - CHOICE Indicator - Transport Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - CHOICE Indicator - Transport Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - CHOICE Indicator - PICH Indicator - PI	- CHOICE Logical Channel List	ALL
- Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Number of Transport bromat information - Transmission time interval - CRC size - Rate matching attribute - CRC size - Reference clause 6.10 Parameter Set		·
- Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PLOCIE Mode - Transport Edannel List - Semi-static Transport Format information - RLC Size - Transport Channel Identity - CHOICE Transport channel type - Olynamic Transport format information - Transmission Time Interval - CHOICE Logical Channel List - Semi-static Transport Format information - RLC Size - Transport Channel Identity - CTCH indicator - Transmission Time interval - Type of channel Identity - CTCH indicator - TTS - CHOICE Transport channel Identity - CTCH indicator - Tipe of channel Identity - CTCH indicator - RLC Size - Transport Channel Identity - CTCH indicator - RLC Size - Transport Channel Identity - CHOICE Transport format information - RLC Size - Transport Channel Identity - CHOICE Indicator - RLC Size - Transport Channel Identity - CHOICE Logical Channel List - Semi-static Transport Format information - RLC Size - Transport Channel Identity - CHOICE Mode - CHOICE Indicator - PICH into - CHOICE Mode - CHOICE		Peference clause 6.10 Parameter Set
- Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - TITS - CHOICE Transport blocks - CHOICE Logical Channel List - Semi-static Transport format information - Transport Channel Identity - CTCH indicator - Transport Channel List - Semi-static Transport format information - Transport Channel Identity - CTCH indicator - Transport Channel Identity - Transport Channel Identity - CTCH indicator - Transport Channel Identity - CTCH indicator - PICH info - CHOICE Degical Channel Identity - CTCH indicator - PICH info - CHOICE Burst Type - Midamble Shift and burst type - CHOICE Burst Type - Midamble Shift and burst type - CHOICE Burst Type - Midamble Shift - Channelisation code - Repetition period/length - Ngap - NpcH		
- Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - TFS - CHOICE Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - CHOICE Logical Channel List - Semi-static Transport format information - Transport Channel Identity - COCIG Magate - Rate matching attribute - CHOICE Transport format information - RLC Size - Transport Channel Identity - CTCH indicator - Transport Channel Identity - CHOICE Mode - CHOICE Transport Format information - Transmission time interval - Type of channel coding - CHOICE Transport format information - RLC Size - Transport Channel Identity - CHOICE Logical Channel List - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of Channel coding - CHOICE Mode - CHOICE M		
- CRC size - Transport Channel Identity - Transport Channel Identity - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - Transmission Time Interval - CHOICE Logical Channel List - Semi-static Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - TFS - CHOICE Transport format information - RLC Size - Number of TB and TTI List - Number of TB and TTI List - Number of Transport format information - RLC Size - Number of Transport format information - Transmission time interval - CHOICE Logical Channel List - Semi-static Transport format information - RLC Size - Number of Tansport blocks - CHOICE Mode - CHOICE Logical Channel List - Number of Transport format information - Transmission time interval - Croding Rate - Rate matching attribute - CRC size - Transport Channel List - Number of Transport Format information - Transmission time interval - CRC size - Transport Channel List - Number of Transport format information - Transmission time interval - CHOICE Logical Channel List - Number of Transport Format information - Transmission time interval - CRC size - Transport Channel List - Number of Transport Format information - Transmission time interval - CRC size - Transport Channel List - Number of Transport Format information - Transmission time interval - CRC size - Transport Channel List - Reference clause 6.10 Parameter Set - Reference claus	- Coding Rate	
- Transport Channel Identity - CTCH Indicator - TTS - C-HOICE Transport format information - RLC Size - Number of Transport blocks - CHOICE Logical Channel List - Semi-static Transport blome - Transmic Transport format information - Transmic Transport format information - Transport Channel Coding - Coding Rate - Rate matching attribute - CTCH indicator - TTS - CHOICE Transport blome - Transport Channel List - Semi-static Transport format information - RLC Size - Number of TB and TTI List - Number of TB and TTI List - Number of Transport format information - Transmission time interval - CHOICE Mode - Transport Channel Identity - CTCH indicator - Transport Channel Identity - CTCH indicator - Transport Channel Identity - CRC size - Transport Channel List - Semi-static Transport Format information - Transport Channel List - Semi-static Transport Format information - Transport Channel Identity - CRC size - Transport Channel Identity - CHOICE Mode - Timeshot number - Midamble Shift - Channelisation code - Repetition period/length - Offset - Neph - Transport Channel Identity - CRC Size - Transport Channel Iden		
- CTCH indicator - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - CHOICE Logical Channel List - Semi-static Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - TFS - CHOICE Transport format information - RLC Size - Number of TB and TTI List - Number of Transport format information - Transmission time interval - OCHOICE Logical Channel List - Semi-static Transport format information - RLC Size - Number of TB and TTI List - Number of TB and TTI List - Number of Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC Size - Transport Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel List - Reference clause 6.10 Parameter Set - Reference clause 6.1		
- TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CHOICE Transport channel type - Dynamic Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - CHOICE Transport channel type - Dynamic Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - CHOICE Mode - CHOICE Mode - CHOICE Mode - Transport channel ldentity - CTCH indicator - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel ldentity - CTCH indicator - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel ldentity - CTCH indicator - PICH info - CHOICE mode - Timeslot number - Midamble shift and burst type - Midamble shift - Channelisation code - Repetition period/length - Ngap - NpcH		
- CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - Transmission Time Interval - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - CRC size - Transport Channel Identity - CTCH indicator - RLC Size - Transport Channel Identity - CHOICE Logical Channel List - Number of TB and TTI List - Number of TB and TTI List - Number of TB and TTI List - Number of Transport format information - RLC Size - Type of channel coding - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport format information - Transmission time interval - Type of channel coding - COding Rate - Rate matching attribute - CRC size - Transport Channel List - Semi-static Transport format information - Transmission time interval - Type of channel coding - CHOICE Mode - CHOICE Mode - CHOICE Mode - Timeslot number - Midamble shift and burst type - CHOICE Burst Type - Midamble shift - Channelisation code - Repetition period/length - Offset - Offset - Nogap - Nech		FALSE
- Dynamic Transport format information - RLC Size - Number of Transport blocks - CHOICE Mode - Transmission Time Interval - OHOICE Logical Channel List - Number of Transport blocks - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - CRC Size - Transport Channel Identity - CTCH indicator - Transmostion transport format information - RLC Size - Number of TB and TTI List - CHOICE Logical Channel List - Semi-static Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC Size - Transport Channel Identity - CTCH indicator - PICH info - CHOICE mode - Timeslot number - Midamble Shift and burst type - CHOICE Burst Type - Midamble Shift - Channelisation code - Repetition period/length - Offset - Ngap - NpcH	1.0	
Reference clause 6.10 Parameter Set ALL Reference clause 6.10 Parameter Set Reference clause 6.10 Para	- CHOICE Transport channel type	Common transport channels
- Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - Transmission Time Interval - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC Size - Transport Channel Identity - CTCH indicator - TIFS - CHOICE Mode - CHOICE Logical Channel Itype - CHOICE Logical Channel Itist - Semi-static Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of Channel Identity - CTCH indicator - Transmission time interval - Type of Channel Coding - CHOICE Logical Channel List - Reference clause 6.10 Parameter Set - Ref	 Dynamic Transport format information 	
- Number of Transport blocks - CHOICE Mode - Transmission Time Interval - CHOICE Logical Channel List - Semi-static Transport Format information - RLC Size - Uniform of Transport format information - RLC Size - Number of Transport format information - Transmistion time interval - Type of channel dentity - CRC size - Transport Channel Identity - CTCH indicator - RUS Size - Transport Channel Identity - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - Type of Channel Coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - Type of Channel Coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - Type of Channel Coding - Coding Rate - Rate matching attribute - CRC Size - Transport Channel Identity - CTCH indicator - Type of Channel Identity - CHOICE mode - Timeslot number - Midamble Shift - Channelisation code - Reference clause 6.10 Parameter Set - Ref	- RLC Size	Reference clause 6.10 Parameter Set
- CHOICE Mode - Transmission Time Interval - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - Transport Transport format information - RLC Size - Number of TB and TTI List - Number of Transport format information - Transmission time interval - Type of channel coding - Coding Rate - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - CHOICE mode - Timeslot number - Midamble Shift - Channelisation code - Repetition period/length - Offset - Neph - Neph - Neph - Neph - Midamble Shift - Channelisation code - Repetition period/length - Neph - Neph - Neph - CHOICE logical Channel List - Gard Size - Paging indicator length - Neph - Neph - Neph - Timeslot channel Identity - Type 1 - Channelisation code - Repetition period/length - Neph - Neph - Neph - Neph - Timeslot channel Identity - Cannelisation code - Reference clause 6.10 Parameter Set - Reference clause 6.10 Param	- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- CHOICE Mode - Transmission Time Interval - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - Transport Transport format information - RLC Size - Number of TB and TTI List - Number of Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Number of Transport format information - RLC Size - Number of Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel Identity - CTCH indicator - PICH info - CHOICE mode - Timeslot number - Midamble Shift - Channelisation code - Repetition period/length - Offset - Neph - Neph - Neph - Neph - Midamble Shift - Channelisation code - Repetition period/length - Neph - Neph - Neph - CHOICE logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel Identity - Type 1 - Midamble Shift - Channelisation code - Repetition period/length - Neph - Neph - Neph - Neph - Neph - Type 1 - CHOICE logical Channel List - Semi-static Transport Format information - Transport Channel Identity - Type 1 - Midamble Shift - Channelisation code - Reference clause 6.10 Parameter Set - Reference	- Number of Transport blocks	Reference clause 6.10 Parameter Set
- Transmission Time Interval - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Number of Transport format information - Transmission time interval - Type of channel tist - CHOICE Logical Channel tist - Rate matching attribute - CRC size - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transport Channel Identity - CTCH indicator - Transport Channel type - Dynamic Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transport Channel List - Rate matching attribute - CRC size - Transport Channel Identity - COding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - CHOICE mode - Timeslot number - Midamble Shift - Channelisation code - Repetition period/length - Offset - Nocap - Nocap - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Reference clause 6.10 Parameter Set - Reference clause 6.10 Paramet		TDD
- CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - RLC Size - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Number of Transport blocks - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - CHOICE mode - Timeslot number - Midamble Shift - Channelisation code - Repetition period/length - Ngcp - Ngcp - Ngcp - Ngcp - Reference clause 6.10 Parameter Set Reference clause		Reference clause 6.10 Parameter Set
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- Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - TFS - CHOICE Transport channel type - Dynamic Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set (FACH) - Common transport channels - Common transport channels - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - CHOICE mode - Timeslot number - Midamble Shift - Channelisation code - Repetition period/length - Offset - Paging indicator length - N _{GAP} - N _{PCH}		,
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- Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Humber of TB and TTI List - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH indicator - PICH indo - CHOICE mode - Timeslot number - Midamble Shift - Channelisation code - Repetition period/length - NGAP - NPICH - CRC size - Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter		
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- CRC size - Transport Channel Identity - CTCH indicator - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - CHOICE mode - Timeslot number - Midamble Shift - Channelisation code - Repetition period/length - NgAP - NpCH - TFS (FACH) FALSE (FACH) FALSE (FACH) FALSE Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter		
- Transport Channel Identity - CTCH indicator - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - CHOICE Burst Type - Midamble Shift - Channelisation code - Repetition period/length - Offset - Paging indicator length - N _{GAP} - N _{PCH} - Transport Channel Identity - CTCH indicator length - N _{GAP} - N _{PCH} - Transport Channel Identity - CTCH indicator length - Type 1 - Alse (FACH) - Common transport channels - Reference clause 6.10 Parameter Set		
- CTCH indicator - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - CHOICE Burst Type - Midamble Shift - Channelisation code - Repetition period/length - NGAP - NGCH - Midamble Shift - NGAP - NGCH - TRANSPORT AND IN ARCH - CRANSPARE - CHOICE Transport channel type - CHOICE Transport channels - Reference clause 6.10 Parameter Set - Transport channel type - TDD - TIDD		
- TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - CHOICE Mode - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - CHOICE mode - Timeslot number - Midamble Shift - Channelisation code - Repetition period/length - NGAP - NGCH - NGAP - NGCH - CHOICE Transport format information - Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter		
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- CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - CHOICE mode - Timeslot number - Midamble shift and burst type - CHOICE Burst Type - Midamble Shift - Channelisation code - Repetition period/length - Offset - Paging indicator length - N _{GAP} - N _{PCH} - Transport Format information - ALL Reference clause 6.10 Parameter Set Referen	- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- CHOICE Logical Channel List - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - CHOICE mode - Timeslot number - Midamble shift and burst type - CHOICE Burst Type - Midamble Shift - Channelisation code - Repetition period/length - Offset - Paging indicator length - N _{PCH} - Reference clause 6.10 Parameter Set Reference clause 6.10 Paramete	- Number of Transport blocks	Reference clause 6.10 Parameter Set
- Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - CHOICE mode - Timeslot number - Midamble Shift - Channelisation code - Repetition period/length - Offset - Paging indicator length - N _{PCH} - Reference clause 6.10 Parameter Set Refe	- CHOICE Mode	TDD
- Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - CHOICE mode - Timeslot number - Midamble shift and burst type - CHOICE Burst Type - Midamble Shift - Channelisation code - Repetition period/length - Offset - Paging indicator length - N _{PCH} - Reference clause 6.10 Parameter Set Reference clause 6.10 Pa	- CHOICE Logical Channel List	ALL
- Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - CHOICE mode - Midamble shift and burst type - CHOICE Burst Type - Midamble Shift - Channelisation code - Repetition period/length - Offset - Paging indicator length - N _{GAP} - N _{PCH} Reference clause 6.10 Parameter Set		
- Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - CHOICE mode - Timeslot number - Midamble shift and burst type - CHOICE Burst Type - Midamble Shift - Channelisation code - Repetition period/length - Offset - Paging indicator length - N _{GAP} - N _{PCH} Reference clause 6.10 Parameter Set		Reference clause 6.10 Parameter Set
- Coding Rate - Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - CHOICE mode - Timeslot number - Midamble shift and burst type - CHOICE Burst Type - Midamble Shift - Channelisation code - Repetition period/length - Offset - Paging indicator length - N _{GAP} - N _{PCH} Reference clause 6.10 Parameter Set		
- Rate matching attribute - CRC size - Transport Channel Identity - CTCH indicator - PICH info - CHOICE mode - Timeslot number - Midamble shift and burst type - CHOICE Burst Type - Midamble Shift - Channelisation code - Repetition period/length - Offset - Paging indicator length - N _{PCH} - Reference clause 6.10 Parameter Set Reference clause 6.10 Param		
- CRC size - Transport Channel Identity - CTCH indicator - PICH info - CHOICE mode - Timeslot number - Midamble shift and burst type - CHOICE Burst Type - Midamble Shift - Channelisation code - Repetition period/length - Offset - Paging indicator length - N _{GAP} - N _{PCH} - Reference clause 6.10 Parameter Set 14 (for FACH) FALSE TDD Type 1 0 16/16 64/2 0 16/16 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		
- Transport Channel Identity - CTCH indicator - PICH info - CHOICE mode - Timeslot number - Midamble shift and burst type - CHOICE Burst Type - Midamble Shift - Channelisation code - Repetition period/length - Offset - Paging indicator length - N _{GAP} - N _{PCH} - TDD TDD Type 1 0 14 (for FACH) FALSE		
- CTCH indicator - PICH info - CHOICE mode - Timeslot number - Midamble shift and burst type - CHOICE Burst Type - Midamble Shift - Channelisation code - Repetition period/length - Offset - Paging indicator length - N _{GAP} - N _{PCH} - FALSE FALSE FALSE FALSE TDD 0 4 4 4 4 4 4 4 4 4 4 4 4		
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- Timeslot number - Midamble shift and burst type - CHOICE Burst Type - Midamble Shift - Channelisation code - Repetition period/length - Offset - Paging indicator length - N _{GAP} - N _{PCH} - Midamble Shift 0 - Type 1 0 - Faging indicator length 4 4 - Lype 1 2		TDD
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- Offset 0 - Paging indicator length 4 - N _{GAP} 4 - N _{PCH} 2		
- Paging indicator length - N _{GAP} - N _{PCH} 4 2		64/2
- N _{GAP} 4 - N _{PCH} 2		
- N _{PCH} 2	- Paging indicator length	
	- N _{GAP}	4
		2
	- CBS DRX Level 1 information	Not Present

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

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

DRACH info	
- PRACH info - CHOICE mode	FDD
- Available Signature	10000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.00
- Available Sub Channel number	'1111 1111 1111'B
- Transport Channel Identity	15
- RACH TFS	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC size	168
- Number of TB and TTI List	
- Number of Transport blocks	1 FDD
- CHOICE Mode - CHOICE Logical Channel List	Configured
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	Configured
- Semi-static Transport Format information	
- Transmission time interval	20 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	150
- CRC size - RACH TFCS	16
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
 Power offset information 	
- CHOICE Gain Factors	Computed Gain Factor
- Reference TFC ID	0
- CHOICE Mode	FDD
- Power offset Pp-m - CTFC information	0 dB 1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor ßc	11
- Gain factor ßd	15
- Reference TFC ID	0
- CHOICE Mode	FDD
- Power offset Pp-m	0 dB
- PRACH partitioning	
- Access Service Class	Not Present
- ASC Setting - ASC Setting	NOT I TESETIL
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#1)
- Available signature End Index	7 (ASC#1)
- Assigned Sub-channel Number	(1111'B
- ASC Setting	Not Present
- ASC Setting	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#3)
- Available signature End Index	7 (ASC#3)
- Assigned Sub-channel Number- ASC Setting	'1111'B Not Present
- ASC Setting - ASC Setting	NOTE 1630III
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#5)
- Available signature End Index	7 (ASC#5)
- Assigned Sub-channel Number	(1111'B
- ASC Setting	Not Present
- ASC Setting	

- CHOICE mode	lFDD
- Available signature Start Index	0 (ASC#7)
- Available signature End Index	7 (ASC#7)
- Assigned Sub-channel Number	'1111'B
- Persistence scaling factor	
Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- Persistence scaling factor	0.9 (for ASC#7)
- AC-to-ASC mapping	Not Present
- Primary CPICH DL TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	0
- Secondary CCPCH system info	ľ
- Secondary CCPCH info	
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
	(This IE is repeated for TFC number for PCH and FACH.)
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- CHOICE TFCS representation - TFCS addition information	
- CHOICE TFCS representation	Complete reconfiguration 4 bit
- CHOICE TFCS representation - TFCS addition information	
CHOICE TFCS representationTFCS addition informationCHOICE CTFC Size	4 bit
- CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information	4 bit 0
 CHOICE TFCS representation TFCS addition information CHOICE CTFC Size CTFC information 	4 bit 0
 CHOICE TFCS representation TFCS addition information CHOICE CTFC Size CTFC information Power offset information CTFC information Power offset information 	4 bit 0 Not Present 1
- CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - Power offset information - CTFC information	4 bit 0 Not Present 1 Not Present 2
- CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information	4 bit 0 Not Present 1
- CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information	4 bit 0 Not Present 1 Not Present 2 Not Present 3
- CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information	4 bit 0 Not Present 1 Not Present 2 Not Present 3 Not Present
- CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - CTFC information - CTFC information - CTFC information	4 bit 0 Not Present 1 Not Present 2 Not Present 3 Not Present 4
- CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - CTFC information	4 bit 0 Not Present 1 Not Present 2 Not Present 3 Not Present
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- CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - Power offset information - CTFC information - Power offset information	4 bit 0 Not Present 1 Not Present 2 Not Present 3 Not Present 4
- CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - Power offset information - CTFC information - CTFC information - CTFC information	4 bit 0 Not Present 1 Not Present 2 Not Present 3 Not Present 4 Not Present 5
- CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - Power offset information - CTFC information - Power offset information	4 bit 0 Not Present 1 Not Present 2 Not Present 3 Not Present 4 Not Present 5
- CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - CTFC information	4 bit 0 Not Present 1 Not Present 2 Not Present 3 Not Present 4 Not Present 5 Not Present 6
- CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - Power offset information - CTFC information - Power offset information - Power offset information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - CTFC information - CTFC information	4 bit 0 Not Present 1 Not Present 2 Not Present 3 Not Present 4 Not Present 5 Not Present 6 Not Present
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- CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - Power offset information - CTFC information - Power offset information	4 bit 0 Not Present 1 Not Present 2 Not Present 3 Not Present 4 Not Present 5 Not Present 6 Not Present 8 Not Present
- CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - Power offset information - TFC information - FACH/PCH information	4 bit 0 Not Present 1 Not Present 2 Not Present 3 Not Present 4 Not Present 5 Not Present 6 Not Present 8 Not Present (PCH)
- CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - Power offset information - CTFC information - Power offset information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - TFC information - TFC information - FACH/PCH information	4 bit 0 Not Present 1 Not Present 2 Not Present 3 Not Present 4 Not Present 5 Not Present 6 Not Present 8 Not Present
- CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - CTFC information - CTFC information - TFC information - CTFC information - TFC information - TFC information - TFS - CHOICE Transport channel type - Dynamic Transport format information	4 bit 0 Not Present 1 Not Present 2 Not Present 3 Not Present 4 Not Present 5 Not Present 6 Not Present 8 Not Present (PCH) Common transport channels
- CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - Power offset information - TFC information - CTFC information - CTFC information - TFC information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size	4 bit 0 Not Present 1 Not Present 2 Not Present 3 Not Present 4 Not Present 5 Not Present 6 Not Present 8 Not Present (PCH)
- CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - TFC information - TFC information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List	4 bit 0 Not Present 1 Not Present 2 Not Present 3 Not Present 4 Not Present 5 Not Present 6 Not Present 8 Not Present (PCH) Common transport channels
- CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - CTFC information - CTFC information - TFC information - CTFC informat	4 bit 0 Not Present 1 Not Present 2 Not Present 3 Not Present 4 Not Present 5 Not Present 6 Not Present 8 Not Present (PCH) Common transport channels
- CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - TFC information - CTFC information	4 bit 0 Not Present 1 Not Present 2 Not Present 3 Not Present 4 Not Present 5 Not Present 6 Not Present 8 Not Present (PCH) Common transport channels 240 (PCCH) 0 1
- CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - TFC information - TFC information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - CHOICE Mode	4 bit 0 Not Present 1 Not Present 2 Not Present 3 Not Present 4 Not Present 5 Not Present 6 Not Present 8 Not Present (PCH) Common transport channels
- CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - TFC information - CTFC information	4 bit 0 Not Present 1 Not Present 2 Not Present 3 Not Present 4 Not Present 5 Not Present 6 Not Present 8 Not Present (PCH) Common transport channels 240 (PCCH) 0 1
- CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - TFC information - CTFC information - RUCE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List	4 bit 0 Not Present 1 Not Present 2 Not Present 3 Not Present 4 Not Present 5 Not Present 6 Not Present 8 Not Present 7 Common transport channels 240 (PCCH) 0 1 FDD
- CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - TFC information - TFC information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - CHOICE Mode	4 bit 0 Not Present 1 Not Present 2 Not Present 3 Not Present 4 Not Present 5 Not Present 6 Not Present 8 Not Present 7 Common transport channels 240 (PCCH) 0 1 FDD

- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	1
- CTCH indicator	12 (for PCH)
	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	400
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	·
- RLC Size	360
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	. —
- Transmission time interval	10 ms
- Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- PICH info	I ALOL
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- CBS DRX Level 1 information	Not Present

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

-5 dB
TDD
Not Present
Not Present
30 dbm
(1/8)
-10
-10
-10
TDD
Sync Case 2
0
Not Present
FALSE

CHOICE made	ITDD
- CHOICE mode - Timeslot number	TDD 14
- PRACH Channelisation Code List	14
- CHOICE SF	SF8
- Channelisation Code List	31 0
- Channelisation Code	8/1
- Channelisation Code	8/2
- Channelisation Code	8/3
- Channelisation Code	8/4
- PRACH Midamble	Direct
- Transport Channel Identity	15
- RACH TFS	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	D () 0 (0 D) () 0 (
- RLC size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
Number of Transport blocks CHOICE Mode	Reference clause 6.10 Parameter Set
- Transmission Time Interval	Not Present
- CHOICE Logical Channel List	Configured
- Semi-static Transport Format information	Comigarou
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- RACH TFCS	Not present
- PRACH partitioning	
- Access Service Class	(4.00 (10)
- ASC Settings	(ASC#0)
- CHOICE mode - Available Channelisation codes indices	TDD
- Available Charmelisation codes indices - CHOICE subchannel size	Not Present (Default all) Size1
- Available Subchannels	null
- ASC Settings	(ASC#1)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#2)
- CHOICE mode	TDD
 Available Channelisation codes indices 	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#3)
- CHOICE mode - Available Channelisation codes indices	TDD Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#4)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- ASC Settings	(ASC#5)
- CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels- ASC Settings	null (ASC#6)
- ASC Settings - CHOICE mode	TDD
- Available Channelisation codes indices	Not Present (Default all)
- CHOICE subchannel size	Size1
- Available Subchannels	null
- Persistence scaling factors	
- Access Service Class	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)

- Persistence scaling factor
- Persistence scaling factor
- AC-to-ASC mapping
- CHOICE mode
- Secondary CCPCH system information
- Secondary CCPCH system information
- Secondary CCPCH info
- CHOICE mode
- Offset
- Common timeslot info
- 2nd interleaving mode TFCI coding
- Puncturing limit
- Repetition period
- Repetition length
- Individual timeslot info
- Timeslot number
- TFCI existence
- Midamble Shift and burst type
- CHOICE Burst Type
- Midamble Allocation Mode
- Midamble configuration burst type 1 and 3
- Midamble Shift
- Code List
- Channelisation Code
- TFCS
- Normal
- TFCI Field 1 information
- CHOICE TFCS representation
- TFCS complete reconfiguration information
- CHOICE CTFC Size
- CTFC information
- Power offset information
- FACH/PCH information
- CHOICE Transport channel type
- Dynamic Transport format information
- RLC Size
- Number of TB and TTI List
- Number of Transport blocks
- CHOICE Mode
- Transmission Time Interval
- CHOICE Logical Channel List
- Semi-static Transport Format information
- Transmission time interval
- Type of channel coding
- Coding Rate
- Rate matching attribute
- CRC size
- Transport Channel Identity
- CTCH indicator
- TFS
- CHOICE Transport channel type
- Dynamic Transport format information
- RLC Size
- Number of TB and TTI List
- Number of Transport blocks
- CHOICE Mode
- Transmission Time Interval
- CHOICE Logical Channel List
- Semi-static Transport Format information
- Transmission time interval
- Type of channel coding
- Coding Rate
- Rate matching attribute
- CRC size
- Transport Channel Identity
- TFS

0.9 (for ASC#5)

0.9 (for ASC#6)

Not Present

TDD (no data)

TDD

Not Present (MD "Frame")

Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set

Not Present (MD "1")

Not present

Reference clause 6.10 Parameter Set

Type 1

Default midamble

Not Present

Reference clause 6.10 Parameter Set

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

Complete reconfiguration

Number of bits used must be enough to cover all

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

Not Present

(PCH)

Common transport channels

Reference clause 6.10 Parameter Set

Reference clause 6.10 Parameter Set

Reference clause 6.10 Parameter Set

TDD

Reference clause 6.10 Parameter Set

ALL

Reference clause 6.10 Parameter Set

12 (for PCH) **FALSE** (FACH)

Common transport channels

Reference clause 6.10 Parameter Set

Reference clause 6.10 Parameter Set

Reference clause 6.10 Parameter Set

TDD

Reference clause 6.10 Parameter Set

Al I

Reference clause 6.10 Parameter Set

Reference clause 6.10 Parameter Set

Reference clause 6.10 Parameter Set

Reference clause 6.10 Parameter Set Reference clause 6.10 Parameter Set

13 (for FACH)

(FACH)

- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information - RLC Size	Reference clause 6.10 Parameter Set
- Number of TB and TTI List	Reference clause 6.10 Parameter Set
- Number of Transport blocks	Reference clause 6.10 Parameter Set
- CHOICE Mode	TDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	Reference clause 6.10 Parameter Set
- Type of channel coding	Reference clause 6.10 Parameter Set
- Coding Rate	Reference clause 6.10 Parameter Set
- Rate matching attribute	Reference clause 6.10 Parameter Set
- CRC size	Reference clause 6.10 Parameter Set
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- CTCH indicator	FALSE
- PICH info	. , , = 0 =
- CHOICE mode	TDD
- Timeslot number	0
- Midamble shift and burst type	
- CHOICE Burst Type	Type 1
- Midamble Shift	0
- Channelisation code	16/16
- Repetition period/length	64/2
- Offset	0
- Paging indicator length	4
- N _{GAP}	4
- N _{PCH}	2
- CBS DRX Level 1 information	Not Present

Contents of System Information Block type 7 (FDD)

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

Contents of System Information Block type 7 (TDD)

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

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

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

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

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

Contents of System Information Block type 11 (FDD)

- SIB12 indicator	TRUE
- FACH measurement occasion info	Not Present
- Measurement control system information	
- Use of HCS	Not used
- Cell_selection_and_reselection_quality	CPICH RSCP
measure	
- Intra-frequency measurement system	
information	
- Intra-frequency measurement identity	1
- Intra-frequency cell info list	
- CHOICE intra-frequency cell removal	Remove no intra-frequency cells
- New intra-frequency cells	, , , , , , , , , , , , , , , , , , , ,
- Intra-frequency cell id	1
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.1 (FDD)"
- Fillinary Scrambling code	in clause 6.1
Drimony CDICH TV nower	Not Present
- Primary CPICH TX power	FALSE
- TX Diversity indicator	1
- Cell Selection and Re-selection info	Not Present
- Cell for measurement	Not Present
- Intra-frequency cell id	2
- Cell info	o ID
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.2 (FDD)"
	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
 Cell Selection and Re-selection info 	
- Qoffset1 _{s,n}	0 dB
- Qoffset2s,n	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Cell for measurement	Not Present
- Intra-frequency cell id	3
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN indicator	TRUE
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	Refer to clause titled "Default settings for cell No.3 (FDD)"
I mary coramoung code	in clause 6.1
- Primary CPICH TX power	Not Present
- TX Diversity indicator	FALSE
- Cell Selection and Re-selection info	171202
- Qoffset1 _{s,n}	0 dB
· · · · · · · · · · · · · · · · · · ·	
- Qoffset2s,n	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD Peferance to table 6.4.4
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Cell for measurement	Not Present
- Intra-frequency cell id	4

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

0dB

Not Present

TRUE

FDD

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

in clause 6.1 Not Present

Not Preser

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

Not Present

5

0dB

Not Present

TRUE

FDD

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

in clause 6.1 Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

Not Present

6

0dB

Not Present

TRUE

FDD

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

in clause 6.1 Not Present

0 dE

FALSE

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

Not Present

0dB

Not Present

TRUE FDD

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

in clause 6.1

- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1_{s,n}
- Qoffset2s.n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qaualmin
- Qrxlevmin
- Cell for measurement
- Intra-frequency cell id
- Cell info
- Cell individual offset
- Reference time difference to cell
- Read SFN indicator
- CHOICE mode
- Primary CPICH info
- Primary scrambling code
- Primary CPICH TX power
- TX Diversity indicator
- Cell Selection and Re-selection info
- Qoffset1s,n
- Qoffset2s,n
- Maximum allowed UL TX power
- HCS neighbouring cell information
- CHOICE mode
- Qqualmin
- Qrxlevmin
- Cell for measurement
- Intra-frequency measurement quantity
- Filter coefficient
- Measurement quantity
- Intra-frequency reporting quantity for RACH Reporting
- Maximum number of reported cells on RACH
- Reporting information for state CELL_DCH
- Intra-frequency reporting quantity
- Reporting quantities for active set cells
- SFN-SFN observed time difference type
- Cell identity reporting indicator
- Cell synchronisation information reporting indicator
- CHOICE mode
- CPICH Ec/N0 reporting indicator
- CPICH RSCP reporting indicator
- Pathloss reporting indicator
- Reporting quantities for monitored set cells
- SFN-SFN observed time difference type
- Cell identity reporting indicator
- Cell synchronisation information reporting indicator
- CHOICE mode
- CPICH Ec/N0 reporting indicator
- CPICH RSCP reporting indicator
- Pathloss reporting indicator
- Reporting quantities for detected set cells
- Measurement reporting mode
- Measurement Report Transfer Mode
- Periodic Reporting/Event Trigger Reporting

Mode

- CHOICE report criteria
- Intra-frequency measurement reporting criteria
- Parameters required for each event
- Intra-frequency event identity
- Triggering condition 1
- Triggering condition 2

Not Present FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

Not Present

8

0dB

Not Present

TRUE

FDD

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

in clause 6.1 Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

Not Present

0

CPICH RSCP Not Present

Not Present

No report

TRUE

FALSE

FDD

FALSE TRUE

FALSE

No report

TRUE

TRUE

FDD

FALSE

TRUE FALSE

Not Present

Acknowledged mode RLC

Event trigger

Intra-frequency measurement reporting criteria

3 kinds

1a

Not Present

Active set cells and monitored set cells

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

Contents of System Information Block type 11 (TDD)

- SIB 12 Indicator	TRUE
- FACH measurement occasion info	Not Present
 Measurement control system information 	
- Use of HCS	Not used
- Cell_selection_and_reselection_quality	(no data)
measure	
- Intra-frequency measurement system	
information	
- Intra-frequency measurement identity	1
- Intra-frequency cell info list	

- CHOICE intra-frequency cell removal	Remove no intra-frequency cells
- New intra-frequency cells	Trainers no mila mequency conc
- Intra-frequency cell id	1
- Cell info	
- Cell individual offset	OdB
Reference time difference to cell Read SFN Indicator	Not Present TRUE
- CHOICE mode	TDD
- Primary CCPCH info	
- Cell parameters ID	Reference clause 6.1 Default settings for cell
- Primary CCPCH TX power	Not Present
- Timeslot list	Not Present
- Timeslot number	Not Present
- Burst type - Cell Selection and Re-selection info	Not Present Not Present
- Cell for measurement	Not Present
- Intra-frequency measurement quantity	Not i resent
- Filter coefficient	0
- CHOICE mode	TDD
- Measurement quantity list	
- Measurement quantity	P-CCPCH RSCP
- Intra-frequency reporting quantity for RACH Reporting	Not Present
- Maximum number of reported cells on RACH	Not Present
- Reporting information for state CELL_DCH	
- Intra-frequency reporting quantity	
- Reporting quantities for active set cells	
- SFN-SFN observed time difference	No report
reporting indicator - Cell synchronisation information reporting	TRUE
indicator	INOL
- Cell identity reporting indicator	TRUE
- CHOICE mode	TDD
- Timeslot ISCP reporting indicator	FALSE
- Proposed TSGN reporting required	FALSE
- P-CCPCH RSCP reporting indicator	TRUE FALSE
 Pathloss reporting indicator Reporting quantities for monitored set cells 	FALSE
- SFN-SFN observed time difference reporting	No report
indicator	13.13
- Cell synchronisation information reporting	FALSE
indicator	TOUE
- Cell identity reporting indicator	TRUE
- CHOICE mode - Timeslot ISCP reporting indicator	TDD FALSE
- Proposal TSGN reporting required	FALSE
- P-CCPCH RSCP reporting indicator	TRUE
- Pathloss reporting indicator	FALSE
- Reporting quantities for detected set cells	Not Present
- Measurement reporting mode	Asknowledged made DLC
- Measurement Report Transfer Mode - Periodical Reporting / Event Trigger	Acknowledged mode RLC Event trigger
Reporting Mode	L vont trigger
-CHOICE report criteria	
- Intra-frequency measurement reporting	
criteria	
- Parameters required for each event	1.0
Intra-frequency event identity Triggering condition1	1g Not Present
- Triggering condition2	Not Present
- Reporting Range	Not Present
 cells forbidden to affect reporting range 	Not Present
- W(optional in case of 1a,1b)	Not Present
- Hysteresis	0.0
Threshold used frequency Reporting deactivation threshold	Not Present 3
- Reporting deactivation threshold	Not Present
- Time to trigger	640
- Amount of reporting	4

- Reporting interval	4000
- Reporting cell status	
- CHOICE reported cells	Report cell within active set and/or monitored cells on used
	frequency
 Maximum number of reported cells 	3
- Inter-frequency measurement system	Not Present
information	
- Inter-RAT measurement system information	Not Present
- Traffic volume measurement system	Not Present
information	
- UE internal measurement system information	Not Present

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

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

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

Remove no intra-frequency cells

0dB

Not Present

TRUE

FDD

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

in clause 6.1 Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

Not Present

3

0dB

Not Present

TRUE

FDD

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

in clause 6.1 Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

Not Present

0dB

Not Present

TRUE FDD

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

in clause 6.1 Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1 Reference to table 6.1.1

Not Present

5

0dB

Not Present

TRUE

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

FDD

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

Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

Not Present

6

0dB

Not Present

TRUE

FDD

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

in clause 6.1 Not Present

FALSE

0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

Not Present

7

0dB

Not Present

TRUE

FDD

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

in clause 6.1 Not Present

FALSE 0 dB

Not Present

Reference to table 6.1.1

Not Present

FDD

Reference to table 6.1.1

Reference to table 6.1.1

Not Present

8

0dB

Not Present

TRUE FDD

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

in clause 6.1 Not Present

FALSE 0 dB

- Qoffset2s,n	Not Present
- Maximum allowed UL TX power	Reference to table 6.1.1
- HCS neighbouring cell information	Not Present
- CHOICE mode	FDD
- Qqualmin	Reference to table 6.1.1
- Qrxlevmin	Reference to table 6.1.1
- Cell for measurement	Not Present
- Intra-frequency measurement quantity	Not i room
- Filter coefficient	0
- Measurement quantity	CPICH RSCP
- Intra-frequency reporting quantity for RACH	Not Present
Reporting	
- Maximum number of reported cells on RACH	Not Present
- Reporting information for state CELL_DCH	
- Intra-frequency reporting quantity	
- Reporting quantities for active set cells	
- SFN-SFN observed time difference type	No report
- Cell synchronisation information reporting	FALSE
indicator	
- Cell identity reporting indicator	TRUE
- CHOICE mode	FDD
- CPICH Ec/N0 reporting indicator	FALSE
- CPICH RSCP reporting indicator	TRUE
 Pathloss reporting indicator 	FALSE
- Reporting quantities for monitored set cells	
- SFN-SFN observed time difference type	No report
- Cell synchronisation information reporting	TRUE
indicator	
- Cell identity reporting indicator	TRUE
- CHOICE mode	FDD
- CPICH Ec/N0 reporting indicator	FALSE
- CPICH RSCP reporting indicator	TRUE
- Pathloss reporting indicator	FALSE
- Reporting quantities for detected set cells	Not Present
- Measurement reporting mode	
- Measurement Report Transfer Mode	Acknowledged mode RLC
- Periodic Reporting/Event Trigger Reporting	Event trigger
Mode	
- CHOICE report criteria	Intra-frequency measurement reporting criteria
- Intra-frequency measurement reporting criteria	O Literale
- Parameters required for each event	3 kinds
- Intra-frequency event identity	1a Not Present
- Triggering condition 1	
- Triggering condition 2	Active set cells and monitored set cells 5dB
- Reporting Range	Not Present
- Cells forbidden to affect reporting range - W	1.0
- vv - Hysteresis	0.0
- Thysteresis - Threshold Used Frequency	Not Present
- Reporting deactivation threshold	2
- Replacement activation threshold	Not Present
- Time to trigger	640
- Amount of reporting	4
- Reporting interval	0
- Reporting cell status	
- CHOICE reported cell	Report cell Within active set and/or monitored set cells on
	used frequency
- Maximum number of reported cells	3
	•

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

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

- FACH measurement occasion info	Not Present
	INOLI IESCIIL
- Measurement control system information	
- Use of HCS	Not used
- Cell_selection_and_reselection_quality	(no data)
measure	
- Intra-frequency measurement system	
information	
- Intra-frequency measurement identity	1
- Intra-frequency measurement quantity	
- Filter coefficient	0
- CHOICE mode	TDD
- Measurement list	
- Measurement quantity	P-CCPCH RSCP
- Intra-frequency reporting quantity for RACH	Not Present
Reporting	
- Maximum number of reported cells on RACH	No report
- Reporting information for state CELL_DCH	·
- Intra-frequency reporting quantity	
- Reporting quantities for active set cells	
- SFN-SFN observed time difference	No report
reporting indicator	The report
- Cell synchronisation information reporting	TRUE
indicator	INOL
	TDUE
- Cell identity reporting indicator	TRUE

CHOICE made	ITDD I
- CHOICE mode	TDD
- Timeslot ISCP reporting indicator	FALSE
- Proposed TSGN reporting required	FALSE
- P-CCPCH RSCP reporting indicator	TRUE
- Pathloss reporting indicator	FALSE
 Reporting quantities for monitored set cells 	
- SFN-SFN observed time difference reporting	No report
indicator	
- Cell synchronisation information reporting	FALSE
indicator	
- Cell identity reporting indicator	TRUE
- CHOICE mode	TDD
- Timeslot ISCP reporting indicator	FALSE
- Proposal TSGN reporting required	FALSE
 P-CCPCH RSCP reporting indicator 	TRUE
- Pathloss reporting indicator	FALSE
- Reporting quantities for detected set cells	Not Present
- Measurement reporting mode	
- Measurement Report Transfer Mode	Acknowledged mode RLC
- Periodical Reporting / Event Trigger Reporting	Event trigger
Mode	
-CHOICE report criteria	
- Intra-frequency measurement reporting	
criteria	
- Parameters required for each event	
- Intra-frequency event identity	1g
- Triggering condition1	Not Present
- Triggering condition2	Not Present
- Reporting Range	Not Present
- cells forbidden to affect reporting range	Not Present
- W(optional in case of 1a,1b)	Not Present
- Hysteresis	0.0
- Threshold used frequency	Not Present
- Reporting deactivation threshold	3
- Replacement activation threshold	Not Present
- Time to trigger	640
- Amount of reporting	4
- Reporting interval	4000
- Reporting cell status	1000
- CHOICE reported cells	Report cell within active set and/or monitored cells on used
- Choice reported cells	frequency
Maximum number of reported cells	3
Maximum number of reported cells Inter-frequency measurement system	Not Present
, ,	Not Fresent
information	Not Proport
- Inter-RAT measurement system information	Not Present
- Traffic volume measurement system	Not Present
information	Not Drogget
- UE internal measurement system information	Not Present

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

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

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

Contents of System Information Block type 14 (TDD)

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

Contents of System Information Block type 16

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

Contents of System Information Block type17 (TDD)

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

Contents of System Information Block type 18

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

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

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

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

Contents of System Information Block type 5 (FDD)

- SIB6 indicator	TRUE
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	
	Not present
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.0
- Available Sub Channel number	'1111 1111 1111'B
- Transport Channel Identity	15
- RACH TFS	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC size	168
	100
- Number of TB and TTI List	4
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
	'
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	20 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	150
- CRC size	16
- RACH TFCS	10
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor, reference TFC id = 0
	·
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor ßc	10
- Gain factor ßd	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
	oub .
- PRACH partitioning	
- Access Service Class	Not Brosset
- ASC Setting	Not Present
- ASC Setting	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#1)
- Available signature End Index	7 (ASC#1)
- Assigned Sub-channel Number	'1111'B
- ASC Setting	Not Present
	THOSE FOR THE STATE OF THE STAT
- ASC Setting	FDD
- CHOICE mode	FDD (ADD (ID)
- Available signature Start Index	0 (ASC#3)
- Available signature End Index	7 (ASC#3)
- Assigned Sub-channel Number	'1111'B
- ASC Setting	Not Present
-	·

- ASC Setting	
- CHOICE mode	FDD
 Available signature Start Index 	0 (ASC#5)
- Available signature End Index	7 (ASC#5)
- Assigned Sub-channel Number	'1111'B
- ASC Setting	Not Present
- ASC Setting	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#7)
- Available signature End Index	7 (ASC#7)
- Assigned Sub-channel Number	'1111'B
- Persistence scaling factor	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- Persistence scaling factor	0.9 (for ASC#7)
- AC-to-ASC mapping table	0 (400 0)
- AC-to-ASC mapping	6 (AC0-9)
- AC-to-ASC mapping	5 (AC10)
- AC-to-ASC mapping	4 (AC11)
- AC-to-ASC mapping	3 (AC12)
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- Primary CPICH DL TX power	31
- Constant value	-10
- PRACH power offset	O ID
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	1 (For 2 CCCPCHo)
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator - Spreading factor	FALSE
- Code number	128 4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Fixed of Flexible position - Timing offset	30
- Tiffing onset	00
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	complete
- TFCS addition information	Complete
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	THOU TOOGHT
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	Common transport orientations
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
	•

1	1
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
, ,,	
- Coding Rate	1/2
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
	FALSE
- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
	1 -
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	4 bit
- CTFC information	0
 Power offset information 	Not Present
- CTFC information	1
- Power offset information	Not Present
- CTFC information	2
	-
- Power offset information	Not Present
- CTFC information	3
- Power offset information	Not Present
- CTFC information	4
	· ·
- Power offset information	Not Present
- CTFC information	5
 Power offset information 	Not Present
- FACH/PCH information	
- TFS	(FACH)
1	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	
<u> </u>	0
- Number of Transport blocks	
 Number of Transport blocks 	2
- Number of Transport blocks	3
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
- TFS	(FACH)
· · ·	
- CHOICE Transport channel type	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	Common transport channels
- Dynamic Transport format information - RLC Size	
- Dynamic Transport format information	Common transport channels
Dynamic Transport format informationRLC SizeNumber of TB and TTI List	Common transport channels
 Dynamic Transport format information RLC Size Number of TB and TTI List Number of Transport blocks 	Common transport channels 360 0
 Dynamic Transport format information RLC Size Number of TB and TTI List Number of Transport blocks Number of Transport blocks 	Common transport channels 360 0 1
 Dynamic Transport format information RLC Size Number of TB and TTI List Number of Transport blocks Number of Transport blocks CHOICE Mode 	Common transport channels 360 0 1 FDD
 Dynamic Transport format information RLC Size Number of TB and TTI List Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List 	Common transport channels 360 0 1
 Dynamic Transport format information RLC Size Number of TB and TTI List Number of Transport blocks Number of Transport blocks CHOICE Mode 	Common transport channels 360 0 1 FDD

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

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

	,
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not present
- PRACH system information list - PRACH system information	
- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.0
- Available Sub Channel number	'1111 1111 1111'B
- Transport Channel Identity	15
- RACH TFS	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	400
- RLC size - Number of TB and TTI List	168
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	20 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute - CRC size	150 16
- RACH TFCS	10
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	·
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor, reference TFC id=0
- Power offset Pp-m - CTFC information	-5 dB
- CTPC information - Power offset information	1
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor &c	10
- Gain factor ßd	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- PRACH partitioning	
- Access Service Class	
- ASC Setting	Not Present
- ASC Setting	EDD.
- CHOICE mode	FDD (ASCHA)
 Available signature Start Index Available signature End Index 	0 (ASC#1) 7 (ASC#1)
- Available signature End Index - Assigned Sub-channel Number	(ASO#1) 11111'B
- ASC Setting	Not Present
- ASC Setting	11311733311
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#3)
- Available signature End Index	7 (ASC#3)
- Assigned Sub-channel Number	'1111'B
- ASC Setting	Not Present
- ASC Setting	

- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#5)
- Available signature End Index	7 (ASC#5)
- Assigned Sub-channel Number	1 (A30#3)
- ASC Setting	Not Present
- ASC Setting - ASC Setting	Not riesent
- CHOICE mode	EDD
	FDD (A 0.0 (1.7))
- Available signature Start Index	0 (ASC#7)
- Available signature End Index	7 (ASC#7)
- Assigned Sub-channel Number	(1111'B
- Persistence scaling factor	0.0 ((4.00 ((0))
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- Persistence scaling factor	0.9 (for ASC#7)
 AC-to-ASC mapping table 	Not present
 Primary CPICH DL TX power 	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	1
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	Complete
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	Not Flesent
- TFS	(DCH)
_	(PCH)
- CHOICE Transport channel type	Common transport channels
 Dynamic Transport format information RLC Size 	240
- Number of TB and TTI List	240
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	10 mg
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE

DICH info	I
- PICH info	
- Channelisation code	2 18
- Number of PI per frame - STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	, and the second
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	4 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- CTFC information	2
- Power offset information	Not Present
- CTFC information	3
 Power offset information 	Not Present
- CTFC information	4
 Power offset information 	Not Present
- CTFC information	5
 Power offset information 	Not Present
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks	3
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	220
- CRC size	16 bit
- Transport Channel Identity	13 (for FACH)
- CTCH indicator	FALSE
	(FACH)
- CHOICE Transport channel type - Dynamic Transport format information	Common transport channels
- RLC Size	360
	360
- Number of TB and TTI List - Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks - CHOICE Mode	FDD
- CHOICE Mode - CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	ALL
- Transmission time interval	10 ms
- Transmission line interval - Type of channel coding	Turbo
- Rate matching attribute	130
- CRC size	16bit
- Transport Channel Identity	14 (for FACH)
- CTCH indicator	FALSE
- CBS DRX Level 1 information	Not Present
J-0 Drot Lovot i information	1 1000in

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

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

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

Contents of System Information Block type 5 (FDD)

- SIB6 indicator	TRUE
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not present
- PRACH system information list	That produit
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.0
- Available Sub Channel number	'1111 1111 1111'B
- Transport Channel Identity	15
- RACH TFS	10
	Common transport shannels
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC size	168
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	20 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	150
- CRC size	16
- RACH TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factor, reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor &c	10
- Gain factor &d	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- PRACH partitioning	
- Access Service Class	
- ASC Setting	Not Present
- ASC Setting	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#1)
- Available signature End Index	7 (ASC#1)
- Assigned Sub-channel Number	'1111'B
- ASC Setting	Not Present
- ASC Setting	
- ASC Setting - CHOICE mode	FDD
- Available signature Start Index	0 (ASC#3)
- Available signature End Index	7 (ASC#3)
 Assigned Sub-channel Number 	'1111'B
- ASC Setting	Not Present

- ASC Setting	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#5)
- Available signature End Index	7 (ASC#5)
- Assigned Sub-channel Number	'1111'B
- ASC Setting	Not Present
- ASC Setting - ASC Setting	Not Flesent
	EDD
- CHOICE mode	FDD (A.O.O. (17)
- Available signature Start Index	0 (ASC#7)
- Available signature End Index	7 (ASC#7)
- Assigned Sub-channel Number	'1111'B
- Persistence scaling factor	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#3)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- Persistence scaling factor	0.9 (for ASC#7)
- AC-to-ASC mapping table	
- AC-to-ASC mapping	6 (AC0-9)
- AC-to-ASC mapping	5 (AC10)
- AC-to-ASC mapping - AC-to-ASC mapping	4 (AC11)
- AC-to-ASC mapping - AC-to-ASC mapping	3 (AC12)
	,
- AC-to-ASC mapping	2 (AC13)
- AC-to-ASC mapping	1 (AC14)
- AC-to-ASC mapping	0 (AC15)
- Primary CPICH DL TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
	0
- AICH transmission timing	_ ~
- Secondary CCPCH system information	(For 2 SCCPCHs)
- Secondary CCPCH info	(SCCPCH for standalone PCH)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	128
- Code number	4
- Pilot symbol existence	FALSE
- TFCI existence	FALSE
- Fixed or Flexible position	Fixed
- Timing offset	30
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	complete
- TFCS addition information	·
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(PCH)
- CHOICE Transport channel type	Common transport channels
	Common transport channels
- Dynamic Transport format information	240
- RLC Size	240
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL

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

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

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

- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not Present
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
- Available Signature	'0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.0
- Available Sub Channel number	'1111 1111 1111'B
- Transport Channel Identity	15
- RACH TFS	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC size	168
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- RLC size	360
 Number of TB and TTI List 	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	20 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	150
- CRC size	16
	10
- RACH TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	2 bit
- CTFC information	0
 Power offset information 	
- CHOICE Gain Factors	Computed Gain Factor reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- Power offset information	
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor ßc	10
- Gain factor ßd	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- PRACH partitioning	
- Access Service Class	
- ASC Setting	Not Present
- ASC Setting	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#1)
- Available signature End Index	7 (ASC#1)
- Available signature End index - Assigned Sub-channel Number	(A30#1) '1111'B
- ASC Setting	Not Present
- CHOICE mode	FDD
- Available signature Start Index	
- Avaliable Signature Start Index	
	0 (ASC#3)
- Available signature End Index	7 (ASC#3)
Available signature End IndexAssigned Sub-channel Number	7 (ASC#3) '1111'B
Available signature End IndexAssigned Sub-channel NumberASC Setting	7 (ASC#3)
Available signature End IndexAssigned Sub-channel Number	7 (ASC#3) '1111'B

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 Available signature Start Index 	0 (ASC#5)
 Available signature End Index 	7 (ASC#5)
- Assigned Sub-channel Number	'1111'B
- ASC Setting	Not Present
- ASC Setting	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#7)
- Available signature End Index	7 (ASC#7)
- Assigned Sub-channel Number	'1111'B
- Persistence scaling factor	
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#2)
- Persistence scaling factor	0.9 (for ASC#4)
- Persistence scaling factor	0.9 (for ASC#5)
- Persistence scaling factor	0.9 (for ASC#6)
- Persistence scaling factor	0.9 (for ASC#7)
- AC-to-ASC mapping table	Not present
- Primary CPICH DL TX power	31
- Constant value	-10
- PRACH power offset	
- Power Ramp Step	3dB
- Preamble Retrans Max	4
- RACH transmission parameters	
- Mmax	2
- NB01min	3 slot
- NB01max	10 slot
- AICH info	
- Channelisation code	3
- STTD indicator	FALSE
- AICH transmission timing	0
- Secondary CCPCH system information	
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	90
- TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	41.9
- CHOICE CTFC Size	4 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- CTFC information	2
 Power offset information 	Not Present
- CTFC information	3
- Power offset information	Not Present
- CTFC information	4
- Power offset information	Not Present
- CTFC information	5
- Power offset information	Not Present
- FACH/PCH information	
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	168
- Number of TB and TTI List	
- Number of Transport blocks	0
- Number of Transport blocks	1
- Number of Transport blocks	2
- Number of Transport blocks - Number of Transport blocks	3
- Number of Transport blocks - CHOICE Mode	FDD
1 OFFICE WICKS	1 55

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

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

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

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

Contents of Scheduling Block 1 (FDD)

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

- SIB_POS - SIB_POS offset info	58
- SIB_FOS dilset illid	2
- SIB type SIBs only	System Information Type 11
- Scheduling information	System mornation Type 11
- CHOICE Value tag	Cell Value tag
- Cell Value tag	1
- SEG_COUNT	2
- SEG_COONT - SIB REP	128
_	106
- SIB_POS	106
- SIB_POS offset info	
- SIB_OFF	2 Custom Information Time 42
- SIB type SIBs only	System Information Type 12
- Scheduling information	DIAMIN I
- CHOICE Value tag	PLMN Value tag
- PLMN Value tag	1
- SEG_COUNT	6
- SIB_REP	128
- SIB_POS	74
- SIB_POS offset info	
- SIB_OFF	2
- SIB_OFF	2
- SIB_OFF	8
- SIB_OFF	4
- SIB_OFF	2
- SIB type SIBs only	System Information Type 16

Contents of System Information Block type 5 (FDD)

- SIB6 indicator	FALSE
- PICH Power offset	-5 dB
- CHOICE Mode	FDD
- AICH Power offset	5 dB
- Primary CCPCH info	Not present
- PRACH system information list	
- PRACH system information	
- PRACH info	
- CHOICE mode	FDD
	'
- Available Signature	(0000 0000 1111 1111'B
- Available SF	64
- Preamble scrambling code number	0
- Puncturing Limit	1.0
- Available Sub Channel number	'1111 1111 1111'B
- Transport Channel Identity	15
- RACH TFS	
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC size	168
- Number of TB and TTI List	
- Number of Transport blocks	1
- CHOICE Mode	FDD
- CHOICE Logical Channel List	ALL
- RLC size	360
- Number of TB and TTI List	
- Number of Transport blocks	1
	FDD
- CHOICE Mode	
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format information	
- Transmission time interval	20 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
- Rate matching attribute	150
- CRC size	16
- RACH TFCS	
- Normal	
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete
- TFCS addition information	·
- CHOICE CTFC Size	2 bit
- CTFC information	0
- Power offset information	, and the second
- CHOICE Gain Factors	Computed Gain Factor reference TFC id=0
- Power offset Pp-m	-5 dB
- CTFC information	1
- CTPC information - Power offset information	'
	Signalled Gain Factor
- CHOICE Gain Factors	Signalled Gain Factor
- Gain factor &c	10
- Gain factor ßd	15
- Reference TFC ID	0
- Power offset Pp-m	-5dB
- PRACH partitioning	
- Access Service Class	
- ASC Setting	Not Present
- ASC Setting	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#1)
- Available signature End Index	7 (ASC#1)
- Assigned Sub-channel Number	(1111'B)
- ASC Setting	Not Present
- ASC Setting	
- CHOICE mode	FDD
- Available signature Start Index	0 (ASC#3)
- Available signature End Index	7 (ASC#3)
- Assigned Sub-channel Number	(1111'B
- ASC Setting	Not Present

- ASC Setting			
- Available signature Start Index - Available signature Start Index - Available signature Start Index - ASS Setting - ASC Setting - ASC Setting - CHOICE mode - Available signature Start Index - Available signat	I	- ASC Setting	
- Available signature End Index		- CHOICE mode	FDD
- Assigned Sub-channel Number - ASC Setting - ASC Setting - CHOICE mode - Available signature Start Index - Available signature Start Index - Available signature End Index - Assigned Sub-channel Number - Persistence scaling factor - AC-to-ASC mapping - AC-to-ASC proping - AC-to-A		 Available signature Start Index 	0 (ASC#5)
- ASC Šetting		- Available signature End Index	7 (ASC#5)
- AXC Setting		 Assigned Sub-channel Number 	'1111'B
- CHOICE mode - Available signature Start Index - Available signature End Index - Available signature End Index - Available signature End Index - Assigned Sub-channel Number - Persistence scaling factor - AC-to-ASC mapping 1 (AC-to-ASC mapping 4 (AC		- ASC Setting	Not Present
- Available signature Start Index		- ASC Setting	
- Available signature End Index		- CHOICE mode	FDD
- Assigned Sub-channel Number		 Available signature Start Index 	0 (ASC#7)
Persistence scaling factor		 Available signature End Index 	7 (ASC#7)
Persistence scaling factor			'1111'B
Persistence scaling factor			
- Persistence scaling factor			
Persistence scaling factor			,
- Persistence scaling factor 0.9 (for ASC#6) - Persistence scaling factor 0.9 (for ASC#6) - AC-to-ASC mapping 6 (AC0-9) - AC-to-ASC mapping 5 (AC10) - AC-to-ASC mapping 3 (AC12) - AC-to-ASC mapping 2 (AC13) - AC-to-ASC mapping 1 (AC14) - Cond murb r 2 (AC13) - STD indicator 3 slot - Spreading factor 4 (AC11) - Secondary Scrambling code			· · · · · · · · · · · · · · · · · · ·
Persistence scaling factor			
- AC-to-ASC mapping table			· · · · · · · · · · · · · · · · · · ·
- AC-to-ASC mapping			0.9 (for ASC#7)
- AC-to-ASC mapping			C (A CO O)
- AC-to-ASC mapping			· · · ·
- AC-to-ASC mapping			
- AC-to-ASC mapping - AC-to-ASC mapping - AC-to-ASC mapping - Primary CPICH DL TX power - Constant value - PRACH power offset - Power Ramp Step - Preamble Retrans Max - RACH transmission parameters - Mmax - NB01min - NB01max - NB01min - NB01max - AICH info - Channelisation code - STTD indicator - AICH transmission timing - Secondary CCPCH system information - Secondary CCPCH system information - Secondary Scrambling code - STTD indicator - StTD indicator - Spreading factor - Code number - Fixed or Flexible position - Timing offset - TFCI existence - Fixed or Flexible position - Timing offset - TFCS addition information - CHOICE TFC Size - CTFC information - CHOICE TFCS representation - TFCS addition information - CHOICE TFC Size - CTFC information - Power offset information - TFCS representation - TFS - CHOICE Transport channel type - Dynamic Transport format information - RACH/PCH information - RACH/PCH information - RACH/PCH information - RIC Size - Number of Transport blocks - CHOICE Mode - CHOICE Mode - CHO			
- AC-to-ASC mapping			
- AC-to-ASC mapping - Primary CPICH DL TX power - Constant value - PRACH power offset - Power Ramp Step - Preamble Retrans Max - RACH transmission parameters - Mmax - NB01min - NB01min - NB01min - NB01max - AICH info - Channelisation code - STTD indicator - AICH transmission timing - Secondary CCPCH system information - Secondary CCPCH system information - Secondary CCPCH info - Secondary Scrambling code - STTD indicator - Spreading factor - Code number - Pilot symbol existence - TFCI existence - Fixed or Flexible position - Timing offset - TFCS - Normal - TFCI Field 1 information - CHOICE TFCS representation - TFCS addition information - CHOICE TFCS representation - TF			
- Primary CPICH DL TX power			
- Constant value - PRACH power offset - Power Ramp Step - Preamble Retrans Max - RACH transmission parameters - Mmax - NB01min - NB01max - AICH info - Channelisation code - STTD indicator - AICH transmission timing - Secondary CCPCH system information - Secondary CCPCH system information - Secondary scrambling code - STTD indicator - Spreading factor - Spreading factor - Code number - Pilot symbol existence - Fixed or Flexible position - Timing offset - TFCS - Normal - TFCI Field 1 information - CHOICE TFCS representation - CHOICE TFC Size - CTFC information - Power offset information - Power offset information - Power offset information - FACH/PCH information - RLC Size - Number of TB and TTI List - Number of Transport blocks			
- PRACH power offset - Power Ramp Step - Preamble Retrans Max - RACH transmission parameters - Mmax - NB01min - NB01min - NB01max - AICH info - Channelisation code - STTD indicator - AICH transmission timing - Secondary CCPCH system information - Secondary CCPCH system information - Secondary CCPCH Info - Secondary CPCPCH Info - Secondary CCPCH Info - Secondary CCPCH Info - Secondary CCPCH Info - Secondary CCPCH - STTCH - Secondary CCPCH -		·	
- Power Ramp Step - Preamble Retrans Max - RACH transmission parameters - Mmax - NB01min - NB01min - NB01max - AICH info - Channelisation code - STTD indicator - AICH transmission timing - Secondary CCPCH system information - Secondary CCPCH info - Secondary CCPCH info - Secondary Scrambling code - STTD indicator - STTD indicator - Spreading factor - Spreading factor - Code number - Pilot symbol existence - Fixed or Flexible position - Timing offset - TFCS addition information - CHOICE TFC Size - CTFC information - CHOICE TFC Size - CTFC information - Power offset information - FACH/PCH information - FACH/PCH information - RLC Size - Unumber of TB and TTI List - Number of Transport blocks - CHOICE Mode - Power offset information - RLC Size - CHOICE Mode - Number of Transport blocks			10
- Preamble Retrans Max			3dB
- RACH transmission parameters - Mmax - NB01min - NB01max - AICH info - Channelisation code - STTD indicator - AICH transmission timing - Secondary CCPCH system information - Secondary CCPCH system information - Secondary CCPCH info - Secondary Scrambling code - STTD indicator - Secondary Scrambling code - STTD indicator - Spreading factor - Code number - Pilot symbol existence - FICI existence - Fixed or Flexible position - Timing offset - TFCI existence - TFCI field 1 information - CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - Powe			
- Mmax			
- NB01max - AICH info Channelisation code STTD indicator - AICH transmission timing Secondary CCPCH system information - Secondary CCPCH sinfo Secondary Scrambling code STTD indicator - Spreading factor - Spreading factor - Code number - Pilot symbol existence - TFCI existence - Fixed or Flexible position - Timing offset - TFCS - Normal - TFCS addition information - CHOICE TFCS representation - CTFC information - CTFC information - Power offset information - Power offset information - Power offset information - FACH/PCH information - RLC Size - Number of Transport blocks - CHOICE Mode - STTD indicator - For 3 SCCPCHs) (SCCPCH for standalone PCH) Not Present - FALSE - FA			2
- AICH info - Channelisation code - STTD indicator - Secondary CCPCH system information - Secondary Scrambling code - STTD indicator - Spreading factor - Code number - Pilot symbol existence - Fixed or Flexible position - Timing offset - TFCS - Normal - TFCS - NOrmal - TFCS addition information - CHOICE TFC Size - CTFC information - CHOICE TFC Size - CTFC information - CTFC information - CTFC information - CHOICE Transport format information - FACH/PCH information - RLC Size - Number of Transport blocks - CHOICE Mode - STTD indicator - FALSE 0 (For 3 SCCPCHs) (SCCPCH for standalone PCH) Not Present FALSE - SCPCHS		- NB01min	3 slot
- Channelisation code - STTD indicator - AICH transmission timing - Secondary CCPCH system information - Secondary CCPCH info - Secondary Scrambling code - STTD indicator - Spreading factor - Spreading factor - Code number - Pilot symbol existence - Fixed or Flexible position - Timing offset - TFCI existence - Fixed or Flexible position - TFCS addition information - CHOICE TFC Size - CTFC information - CHOICE CTFC Size - CTFC information - Power offset information - Power offset information - FACH/PCH information - FACH/PCH information - RLC Size - Number of Transport blocks - CHOICE Mode SCCPCH for sacCPCHs) (For 3 SCCPCHs) (SCCPCH for standalone PCH) Not Present FALSE - Saccedary - FACS - Surpresent - FACS - Surpresent - Surpresent - Surpresent - FACH/PCH information - Power offset information - CHOICE Transport channel type - Dynamic Transport format information - Power offset information -		- NB01max	10 slot
- STTD indicator - AICH transmission timing - Secondary CCPCH system information - Secondary scrambling code - STTD indicator - Spreading factor - Code number - Pilot symbol existence - Fixed or Flexible position - TFCI existence - TFCI sield 1 information - CHOICE TFCS representation - CHOICE CTFC Size - CTFC information - Power offset information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of Transport blocks - CHOICE Mode FALSE (For 3 SCCPCHs) (SCCPCH for standalone PCH) Not Present FALSE FALSE -		- AICH info	
- AICH transmission timing - Secondary CCPCH system information - Secondary CCPCH info - Secondary Scrembling code - STTD indicator - Spreading factor - Code number - Pilot symbol existence - TFCI existence - Fixed or Flexible position - Timing offset - TFCS - Normal - TFCI Field 1 information - CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - Power offset information - FACH/PCH information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode O (For 3 SCCPCHs) (SCCPCH for standalone PCH) Not Present FALSE - FALSE - Fixed 30 - Complete - Complete - Complete - Symbol Standard PCH) Not Present - Complete - Symbol Standard PCH) - Complete - Symbol Standard PCH - Not Present - Complete - Symbol Standard PCH - Not Present - Complete - Symbol Standard PCH - Not Present - Complete - Symbol Standard PCH - Not Present - Complete - Symbol Standard PCH - Not Present - Complete - Symbol Standard PCH - Not Present - Complete - Symbol Standard PCH - Not Present - FALSE - Symbol Symbol Pclex - Symbol Symbol Pclex - Symbol Symbol Pclex - Symbol Symbol Pclex - FalsE - FalsE - Symbol Pclex - FalsE - Symbol Pclex - Symbol Pclex - FalsE - Fal			
- Secondary CCPCH system information - Secondary CCPCH info - Secondary scrambling code - STTD indicator - Spreading factor - Code number - Pilot symbol existence - Fixed or Flexible position - TFCI existence - Fixed or Flexible position - TFCS - Normal - TFCI Field 1 information - CHOICE TFCS representation - CTFC information - Power offset information - Power offset information - Power offset information - TFS - CHOICE Transport channel type - Dynamic Transport blocks - Number of Transport blocks - Number of Transport blocks - CHOICE Mode - Secondary CCPCH info (SCCPCH for standalone PCH) Not Present FALSE - FALSE - Fixed - 30 - FALSE - Fixed - 30 - FALSE - Fixed - Substitute of the secondary standalone PCH) Not Present - FALSE - Substitute of the secondary standalone PCH) Not Present - FALSE - FALSE - Fixed - Substitute of the secondary standalone PCH) Not Present - FALSE - Substitute of the secondary standalone PCH) Not Present - FALSE - Substitute of the secondary standalone PCH) Not Present - FALSE - Substitute of the secondary standalone PCH) Not Present - FALSE - Substitute of the secondary standalone PCH) Not Present - FALSE - Substitute of the secondary standalone PCH) Not Present - FALSE - Substitute of the secondary standalone PCH) Not Present - FALSE - Substitute of the secondary standalone PCH) Not Present - FALSE - Substitute of the secondary standalone PCH) Not Present - FALSE - Substitute of the secondary standalone PCH) Not Present - FALSE - Substitute of the secondary standalone PCH) Not Present - FALSE - Substitute of the secondary standalone PCH) - Substitute of the standalone PCH - Substitute of the standal			
- Secondary CCPCH info - Secondary scrambling code - STTD indicator - Spreading factor - Code number - Pilot symbol existence - Fixed or Flexible position - Timing offset - TFCI scible quality of the strict of th			
- Secondary scrambling code - STTD indicator - Spreading factor - Code number - Pilot symbol existence - TFCI existence - Fixed or Flexible position - Timing offset - TFCS - Normal - TFCI Field 1 information - CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode Not Present FALSE FALSE FALSE FALSE FALSE Fixed 30 Complete - FACHS Vomplete - Vomplete - Spit Complete - Vomplete -			
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- Spreading factor - Code number - Pilot symbol existence - TFCI existence - Fixed or Flexible position - Timing offset - TFCS - Normal - TFCI Field 1 information - CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - Power offset information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - Number of Transport blocks - CHOICE Mode 128 6 FALSE FALSE Fixed 30 Complete Complete 2 bit 0 Not Present 1 Not Present 1 Not Present 1 Not Present 1 Common transport channels 240 0 In Technique (PCH) Common transport channels		,	
- Code number - Pilot symbol existence - TFCI existence - Fixed or Flexible position - Timing offset - TFCS - Normal - TFCI Field 1 information - CHOICE TFCS representation - CHOICE CFFC Size - CTFC information - CHOICE CFFC Size - CTFC information - Power offset information - Power offset information - Power offset information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode 6 FALSE FALSE FALSE Fixed 30 Complete Complete 2 bit 0 Not Present 1 Complete 2 bit 0 Not Present 1 Common transport channels			
- Pilot symbol existence - TFCI existence - Fixed or Flexible position - Timing offset - TFCS - Normal - TFCI Field 1 information - CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - Power offset information - Power offset information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - CHOICE Mode FALSE Fixed 30 - Substance - Substance - Substance - FOMPLE AND			
- TFCI existence - Fixed or Flexible position - Timing offset - TFCS - Normal - TFCI Field 1 information - CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - Power offset information - Power offset information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - Number of Transport blocks - CHOICE Mode FALSE Fixed 30 Complete Complete - Suit - Not Present - Not Presen			
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- Timing offset - TFCS - Normal - TFCI Field 1 information - CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - Number of Transport blocks - CHOICE Mode 30 Complete Complete 2 bit 0 Not Present (PCH) Common transport channels 240 240		- Fixed or Flexible position	
- Normal - TFCI Field 1 information - CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - Power offset information - Power offset information - Power offset information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - Number of Transport blocks - CHOICE Mode Complete 2 bit 0 Not Present (PCH) Common transport channels 240 240			30
- TFCI Field 1 information - CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - Number of Transport blocks - CHOICE Mode Complete 2 bit 0 Not Present 1 Complete Common transport Complete 2 bit 0 Complete 2 bit Complete 2 bit 0 Complete 2 bit Complete 2 bit Complete 2 bit Complete 2 bit Complete 1 Complete 2 bit Complete 2 bit Complete 2 bit Complete 2 bit Complete 1 Complete 2 bit Complete 2 bit Complete 2 bit Complete 2 bit Complete 1 Complete 1 Complete 2 bit Complete 2 bit Complete 1 Complete 1 Complete 2 bit Complete 1 Complete 1 Complete 1 Complete 1 Complete 1 Complete 1 Complete 2 bit Complete 1 Complet			
- CHOICE TFCS representation - TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - CHOICE Mode Complete 2 bit 0 Not Present (PCH) Common transport channels 240 240 50 10 11 11 12 13 14 15 16 17 17 17 18 18 18 18 18 18 18			
- TFCS addition information - CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - CTFC information - Power offset information - Power offset information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - Number of Transport blocks - CHOICE Mode 2 bit 0 Not Present (PCH) Common transport channels 240 240 540 540 540 540 540 540			
- CHOICE CTFC Size - CTFC information - Power offset information - CTFC information - Power offset information - Power offset information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - Number of Transport blocks - CHOICE Mode 2 bit 0 Not Present 1 Not Present (PCH) Common transport channels 240 50 50 50 60 60 60 60 60 60 60 60 60 60 60 60 60			Complete
- CTFC information - Power offset information - CTFC information - Power offset information - Power offset information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - Number of Transport blocks - CHOICE Mode O Not Present 1 Not Present (PCH) Common transport channels 240 0 1 FDD			2 hit
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- CTFC information - Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - CHOICE Mode 1 Not Present (PCH) Common transport channels 240 240 1 Output Description of Transport blocks 0 Transport blocks 1 FDD			
- Power offset information - FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - CHOICE Mode Not Present (PCH) Common transport channels 240 0 1 FDD			
- FACH/PCH information - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - CHOICE Mode (PCH) Common transport channels 240 240 540 540 540 540 540 540			
- TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - CHOICE Mode (PCH) Common transport channels 240 240 540 540 540 540 540 540			
- CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - CHOICE Mode Common transport channels 240 240 540 540 540 540 540 540			(PCH)
- Dynamic Transport format information - RLC Size 240 - Number of TB and TTI List - Number of Transport blocks 0 - Number of Transport blocks 1 - CHOICE Mode FDD			
- RLC Size - Number of TB and TTI List - Number of Transport blocks - Number of Transport blocks - CHOICE Mode 240 0 1 FDD			·
- Number of Transport blocks - Number of Transport blocks - CHOICE Mode 0 1 FDD		- RLC Size	240
- Number of Transport blocks 1 - CHOICE Mode FDD			
- CHOICE Mode FDD			
- Choice Logical Channel List ALL			
	ı	- Choice Logical Channel List	ALL

- Semi-static Transport Format information	1
- Transmission time interval	10 ms
- Type of channel coding	Convolutional
- Coding Rate	1/2
	'-
- Rate matching attribute	230
- CRC size	16 bit
- Transport Channel Identity	12 (for PCH)
- CTCH indicator	FALSE
- PICH info	
- Channelisation code	2
- Number of PI per frame	18
- STTD indicator	FALSE
- Secondary CCPCH info	(SCCPCH including two FACHs)
- Secondary scrambling code	Not Present
- STTD indicator	FALSE
- Spreading factor	64
- Code number	1
- Pilot symbol existence	FALSE
- TFCI existence	TRUE
- Fixed or Flexible position	Flexible
- Timing offset	0
- TFCS	
- Normal	
- TFCI Field 1 information	
	Complete
- CHOICE TFCS representation	Complete
- TFCS addition information	
- CHOICE CTFC Size	4 bit
- CTFC information	0
- Power offset information	Not Present
- CTFC information	1
- Power offset information	Not Present
- CTFC information	2
- Power offset information	Not Present
- CTFC information	3
- Power offset information	Not Present
- CTFC information	4
 Power offset information 	Not Present
- CTFC information	5
- Power offset information	Not Present
- FACH/PCH information	THOSE PROCESS
	(FAOLI)
- TFS	(FACH)
- CHOICE Transport channel type	Common transport channels
- Dynamic Transport format information	
- RLC Size	160
	1 100
	168
- Number of TB and TTI List	
Number of TB and TTI ListNumber of Transport blocks	0
Number of TB and TTI ListNumber of Transport blocksNumber of Transport blocks	0 1
Number of TB and TTI ListNumber of Transport blocks	0
 Number of TB and TTI List Number of Transport blocks Number of Transport blocks Number of Transport blocks 	0 1
 Number of TB and TTI List Number of Transport blocks Number of Transport blocks Number of Transport blocks Number of Transport blocks 	0 1 2 3
 Number of TB and TTI List Number of Transport blocks Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode 	0 1 2 3 FDD
 Number of TB and TTI List Number of Transport blocks Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List 	0 1 2 3
- Number of TB and TTI List - Number of Transport blocks - CHOICE Mode - CHOICE Logical Channel List - Semi-static Transport Format information	0 1 2 3 FDD ALL
 Number of TB and TTI List Number of Transport blocks Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List 	0 1 2 3 FDD
 Number of TB and TTI List Number of Transport blocks Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval 	0 1 2 3 FDD ALL
 Number of TB and TTI List Number of Transport blocks Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding 	0 1 2 3 FDD ALL 10 ms Convolutional
 Number of TB and TTI List Number of Transport blocks Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate 	0 1 2 3 FDD ALL 10 ms Convolutional ½
 Number of TB and TTI List Number of Transport blocks Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute 	0 1 2 3 FDD ALL 10 ms Convolutional ½ 220
 Number of TB and TTI List Number of Transport blocks Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size 	0 1 2 3 FDD ALL 10 ms Convolutional ½ 220 16 bit
 Number of TB and TTI List Number of Transport blocks Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity 	0 1 2 3 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH)
 Number of TB and TTI List Number of Transport blocks Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size 	0 1 2 3 FDD ALL 10 ms Convolutional ½ 220 16 bit
 Number of TB and TTI List Number of Transport blocks Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator 	0 1 2 3 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE
 Number of TB and TTI List Number of Transport blocks Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS 	0 1 2 3 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE (FACH)
 Number of TB and TTI List Number of Transport blocks Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS CHOICE Transport channel type 	0 1 2 3 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE
 Number of TB and TTI List Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS CHOICE Transport channel type Dynamic Transport format information 	0 1 2 3 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE (FACH) Common transport channels
 Number of TB and TTI List Number of Transport blocks Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS CHOICE Transport channel type 	0 1 2 3 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE (FACH)
 Number of TB and TTI List Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS CHOICE Transport channel type Dynamic Transport format information 	0 1 2 3 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE (FACH) Common transport channels
 Number of TB and TTI List Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS CHOICE Transport channel type Dynamic Transport format information RLC Size Number of TB and TTI List 	0 1 2 3 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE (FACH) Common transport channels 360
 Number of TB and TTI List Number of Transport blocks Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS CHOICE Transport channel type Dynamic Transport format information RLC Size Number of TB and TTI List Number of Transport blocks 	0 1 2 3 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE (FACH) Common transport channels 360 0
 Number of TB and TTI List Number of Transport blocks Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS CHOICE Transport channel type Dynamic Transport format information RLC Size Number of TB and TTI List Number of Transport blocks Number of Transport blocks 	0 1 2 3 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE (FACH) Common transport channels 360 0 1
 Number of TB and TTI List Number of Transport blocks Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS CHOICE Transport channel type Dynamic Transport format information RLC Size Number of TB and TTI List Number of Transport blocks Number of Transport blocks CHOICE Mode 	0 1 2 3 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE (FACH) Common transport channels 360 0 1 FDD
 Number of TB and TTI List Number of Transport blocks Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS CHOICE Transport channel type Dynamic Transport format information RLC Size Number of TB and TTI List Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List 	0 1 2 3 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE (FACH) Common transport channels 360 0 1
 Number of TB and TTI List Number of Transport blocks Number of Transport blocks Number of Transport blocks Number of Transport blocks CHOICE Mode CHOICE Logical Channel List Semi-static Transport Format information Transmission time interval Type of channel coding Coding Rate Rate matching attribute CRC size Transport Channel Identity CTCH indicator TFS CHOICE Transport channel type Dynamic Transport format information RLC Size Number of TB and TTI List Number of Transport blocks Number of Transport blocks CHOICE Mode 	0 1 2 3 FDD ALL 10 ms Convolutional ½ 220 16 bit 13 (for FACH) FALSE (FACH) Common transport channels 360 0 1 FDD

1	- Transmission time interval	10 ms
	- Type of channel coding	Turbo
	- Rate matching attribute	130
	- CRC size	16bit
	- Transport Channel Identity	14 (for FACH)
	- CTCH indicator	FALSE
	- Secondary CCPCH info	(SCCPCH including two FACHs)
	- Secondary scrambling code	Not Present
	- STTD indicator	FALSE
	- Spreading factor	64
	- Code number	2
	- Pilot symbol existence	FALSE
	- TFCI existence	TRUE
	- Fixed or Flexible position	Flexible
	- Timing offset	90
	- TFCS	
	- Normal	
	- TFCI Field 1 information	
	- CHOICE TFCS representation	Complete
		Complete
	- TFCS addition information	A 1-14
	- CHOICE CTFC Size	4 bit
	- CTFC information	0
	- Power offset information	Not Present
	- CTFC information	1
	- Power offset information	Not Present
	- CTFC information	2
	 Power offset information 	Not Present
	 CTFC information 	3
	 Power offset information 	Not Present
	- CTFC information	4
	- Power offset information	Not Present
	- CTFC information	5
	- Power offset information	Not Present
	- FACH/PCH information	
	- TFS	(FACH)
	- CHOICE Transport channel type	Common transport channels
	- Dynamic Transport format information	Common transport charmers
	- RLC Size	168
		100
	- Number of TB and TTI List	
	- Number of Transport blocks	0
	- Number of Transport blocks	1
	- Number of Transport blocks	2
	 Number of Transport blocks 	3
	- CHOICE Mode	FDD
	- CHOICE Logical Channel List	ALL
	 Semi-static Transport Format information 	
	- Transmission time interval	10 ms
	- Type of channel coding	Convolutional
	- Coding Rate	1/2
	- Rate matching attribute	220
	- CRC size	16 bit
	- Transport Channel Identity	16 (for FACH)
	- CTCH indicator	FALSE
	- TFS	(FACH)
	- CHOICE Transport channel type	Common transport channels
	- Dynamic Transport format information	
	- RLC Size	360
	- Number of TB and TTI List	
	- Number of Transport blocks	0
	- Number of Transport blocks	1
	- CHOICE Mode	FDD
		ALL
	- CHOICE Logical Channel List	ALL
	- Semi-static Transport Format information	10 mg
	- Transmission time interval	10 ms
	- Type of channel coding	Turbo
	- Rate matching attribute	130
	- CRC size	16bit
	- Transport Channel Identity	17 (for FACH)
I	- CTCH indicator	FALSE

- CBS DRX Level 1 information Not Present

6.1.4 Default parameters for 1 to 8 cell environments

Default settings for cell No.1 (FDD):

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

Default settings for cell No.1 (TDD):

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

Cell No.2

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

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

Default settings for cell No.2 (FDD):

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

Default settings for cell No.2 (TDD):

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

Cell No.3

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

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

Default settings for cell No.3 (FDD):

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

Default settings for cell No.3 (TDD):

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

Cell No.4

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

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

Default settings for cell No.4 (FDD):

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

Default settings for cell No.4 (TDD):

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

Cell No.5

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

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

Default settings for cell No.5 (FDD):

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

Default settings for cell No.5 (TDD):

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

Cell No.6

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

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

Default settings for cell No.6 (FDD):

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

Default settings for cell No.6 (TDD):

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

Cell No.7

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

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

Default settings for cell No.7 (FDD):

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

Default settings for cell No.7 (TDD):

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

Cell No.8

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

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

Default settings for cell No.8 (FDD):

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

Default settings for cell No.8 (TDD):

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

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

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

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

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

Parameter	Unit	Cell 1	
Cell type		Serving cell	
UTRA RF Channel Number		Channel 1	
Qqualmin	dB	-24	
Qrxlevmin	dBm	-80	
UE_TXPWR_MAX_RACH	dBm	21	
CPICH Ec (see notes 1 and 2)	dBm/3.84	-60	
	MHz		

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

NOTE 2: The cell fulfils TS 25.304, 5.2.3.1.2 and TS 25.133, 8.1.2.2.1.

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

Parameter	Unit	Cell 1	Cell 2
Cell type		Serving cell	Suitable neighbour cell
UTRA RF Channel Number		Channel 1	Channel 1
Qqualmin	dB	-24	-24
Qrxlevmin	dBm	-80	-80
UE_TXPWR_MAX_RACH	dBm	21	21
CPICH Ec (see notes 1 and 2)	dBm/3.84	-60	-70
	MHz		

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

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

Table 6.1.3: Default settings for a non-suitable cell

Parameter	Unit	Level
Qqualmin	dB	-24
Qrxlevmin	dBm	-80
UE_TXPWR_MAX_RACH	dBm	21
CPICH_Ec	dBm/3.84	-90
	MHz	

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

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

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

Parameter	Unit	Level
Qqualmin	dB	-24
Qrxlevmin	dBm	-80
UE_TXPWR_MAX_RACH	dBm	21
CPICH_Ec	dBm/3.84	≤ -122
	MHz	

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

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

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

Parameter	Unit	Level	Level
		Idle mode	Connected mode
DPCH_Ec	dB	(NOTE)	-5
PCCPCH_Ec	dB	-2	
SCCPCH_Ec	dB	-2	
AICH_Ec	dB	-5	
SCH_Ec	dB	-2	
PICH_Ec	dB	-5	
NOTE: This shall be less than –122 dBm to ensure the channel is considered as			
"off".			

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

<FFS>

6.2 Number of neighbour cells

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

6.2.1 Basic Network

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

6.2.2 Soft Handover Network (FDD)

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

6.2.3 Hard Handover Network

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

6.2.4 'Roaming' Network

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

6.3 Cell/BS codes etc

See clause 6.1.

6.4 Routing/location area

See clause 6.1.

6.5 Network options settings

See clause 6.1.

6.6 Power control mode

6.6.1 Downlink Power Control

6.6.1.1 Outer Loop Power Control

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

6.6.1.2 Inner Loop Power Control

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

6.6.2 Uplink Power Control

6.6.2.1 Outer Loop Power Control

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

6.6.2.2 Inner Loop Power Control (FDD)

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

6.7 Tx Diversity modes

The reference settings for Tx Diversity Mode shall be

6.7.1 Non-Diverse Operation

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

6.7.2 Diverse Operation

6.7.2.1 Diverse Operation (FDD mode)

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

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

6.7.2.2 Diverse Operation (TDD mode)

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

Physical channel type	Open loop TxDiversity		Closed loop TxDiversity
	TSTD SCTD		
P-CCPCH	_	Х	_
SCH	X	-	_
DPCH	_	-	X

6.8 Compressed Mode Parameters (FDD)

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

6.8.1 Normal Operation

Downlink Compressed Mode - disabled.

Uplink Compressed Mode – disabled.

6.8.2 Inter-Frequency Hard Handover

Downlink compressed Mode – enabled

Parameters

Downlink Compression Method

SF Reduction

Left/Right Alternative DL Scrambling Codes

Compressed Mode Sequence and Parameters

Frame Structure Type A SFN for first transmission gap

Fixed Gap Position

TGL = 7

Double Slot Gap

TGP

TGD

PD

Uplink Compressed Mode - disabled

6.9 BCCH parameters

See clause 6.1.

6.10 Reference Radio Bearer configurations used in Radio Bearer interoperability testing

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

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

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

6.10.1 QoS Architecture and RAB attributes

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

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

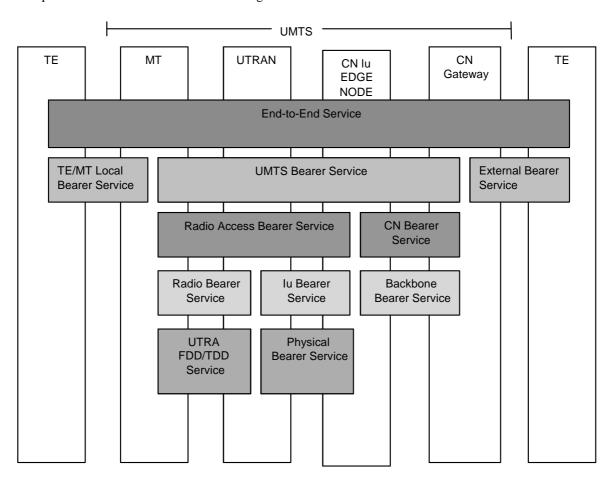


Figure 6.10.1.1: UMTS QoS Architecture

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

Traffic class;

- SSD:
- Maximum bit rate:
- Residual BER.

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

NOTE: The maximum bit rate in 6.10.2.4 for FDD mode and 6.10.3.4 for TDD mode is one of the RAB attribute as described above. For Interactive/Background PS RABs, however, the maximum bit rate of Radio Bearer can be lower than the maximum bit rate of RAB attributes due to radio resource management. Bit rates of Interactive/Background PS RABs described in 6.10.2.4 for FDD mode and 6.10.3.4 for TDD mode may represent the maximum bit rate of Radio Bearer taking account into this management.

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

Table 6.10.1.1: Traffic classes

6.10.2 RAB and signalling RB for FDD

6.10.2.1 RABs and signalling RBs

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

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

Table 6.10.2.1.1: Prioritised RABs.

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

Table 6.10.2.1.2: Signalling RBs

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

6.10.2.2 Combinations of RABs and Signalling RBs

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

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

Combinations on DPCH

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

- 12) Conversational / unknown / UL:28.8 DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 13) Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 14) Conversational / unknown / UL:32 DL:32 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 15) Streaming / unknown / UL:14.4/DL:14.4 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 16) Streaming / unknown / UL:28.8/DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 17) Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 18) Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 19) Streaming / unknown / UL:64 DL:0 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 20) Streaming / unknown / UL:0 DL:128 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 21) Streaming / unknown / UL:128 DL:0 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 22) Streaming / unknown / UL:0 DL:384 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 23) Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 23a) Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 23b) Interactive or background / UL:16 DL:16 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 23c) Interactive or background / UL:32 DL:32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 23d) Interactive or background / UL:32 DL:32 kbps / PS RAB (20 ms TTI) + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 24) Interactive or background / UL:64 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 25) Interactive or background / UL:32 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 26) Interactive or background / UL:64 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 27) Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 28) Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 29) Interactive or background / UL:64 DL:144 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.

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

- 38j) Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB
 - + Interactive or background / UL:64 DL:128 kbps / PS RAB
 - + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 39) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB
 - + Interactive or background / UL:32 DL:64 kbps / PS RAB
 - + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 40) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB
 - + Interactive or background / UL:64 DL:64 kbps / PS RAB
 - + UL:3.4 DL: 3.4 kbps SRBs for DCCH.
- 41) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB
 - + Interactive or background / UL:64 DL:128 kbps / PS RAB
 - + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 42) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB
 - $+\ Interactive\ or\ background\ /\ UL:64\ DL:256\ kbps\ /\ PS\ RAB$
 - + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 43) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB
 - + Interactive or background / UL:64 DL:384 kbps / PS RAB
 - + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 44) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB
 - + Interactive or background / UL:128 DL:2048 kbps / PS RAB
 - + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 45) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB
 - + Streaming / unknown / UL:57.6 DL:57.6 kbps / CS RAB
 - + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 46) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB
 - + Streaming / unknown / UL:0 DL:64 kbps / CS RAB
 - + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 47) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB
 - + Streaming / unknown / UL:0 DL:128 kbps / CS RAB
 - + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 48) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB
 - + Streaming / unknown / UL:0 DL:384 kbps / CS RAB
 - + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 49) Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB
 - + Conversational / unknown / UL:64 DL:64 kbps / CS RAB
 - + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 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:24 DL:24 kbps SRPs for DCCU
 - + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 52) Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 53) Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 54) Interactive or /background / UL:64 kbps DL:128 kbps / PS RAB + Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 55) Interactive or /background / UL:64 kbps DL:128 kbps / PS RAB + Streaming / unknown / UL:0 DL:128 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 56) Interactive or background / UL:8 DL:8 kbps / PS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 57) Interactive or background / UL:64 DL:64 kbps / PS RAB + Interactive or background / UL:64 DL:64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.
- 58) Streaming / unknown / UL:16 DL:64 kbps / PS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.

Combinations on DSCH and DPCH

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

Combinations on SCCPCH

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

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

Combinations on PRACH

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

6.10.2.3 Example of linkage between RABs and services

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

Table 6.10.2.3.1: Example of linkage between RABs and services

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

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

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

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

6.10.2.4 Typical radio parameter sets

6.10.2.4.1 Combinations on DPCH

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

6.10.2.4.1.1.1 Uplink

6.10.2.4.1.1.1 Transport channel parameters

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

Higher layer	RAB/signalling RE	RAB/signalling RB		SRB#2	SRB#3	SRB#4	
	User of Radio Bearer		RRC	RRC	NAS_DT	NAS_DT	
					High prio	Low prio	
RLC	Logical channel ty	/pe	DCCH	DCCH	DCCH	DCCH	
	RLC mode		UM	AM	AM	AM	
	Payload sizes, bit		136	128	128	128	
	Max data rate, bp	S	1700	1600	1600	1600	
	AMD/UMD PDU h	AMD/UMD PDU header, bit		16	16	16	
MAC	MAC header, bit		4	4	4	4	
	MAC multiplexing		4 logical channel multiplexing				
Layer 1	TrCH type	TrCH type		DCH			
	TB sizes, bit	TB sizes, bit		148 (alt 0, 148)			
	TFS	TFS TF0, bits		0x148 (alt 1x0)			
		TF1, bits		1x1	48		
	TTI, ms	TTI, ms		8	0		
	Coding type		CC 1/3				
	CRC, bit		16				
	Max number of bi	ts/TTI before rate	516				
	matching Uplink: Max number of bits/radio frame before rate matching						
			65				
	RM attribute			155-	-185		

6.10.2.4.1.1.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

6.10.2.4.1.1.1.2 Physical channel parameters

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

6.10.2.4.1.1.2 Downlink

6.10.2.4.1.1.2.1 Transport channel parameters

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

Higher layer	RAB/signalling RB	RAB/signalling RB		SRB#2	SRB#3	SRB#4	
	User of Radio Bearer		RRC	RRC	NAS_DT	NAS_DT	
					High prio	Low prio	
RLC	Logical channel typ	е	DCCH	DCCH	DCCH	DCCH	
	RLC mode		UM	AM	AM	AM	
	Payload sizes, bit		136	128	128	128	
	Max data rate, bps		1700	1600	1600	1600	
	AMD/UMD PDU he	eader, bit	8	16	16	16	
MAC	MAC header, bit		4	4	4	4	
	MAC multiplexing	,		4 logical channel multiplexing			
Layer 1	TrCH type		DCH				
	TB sizes, bit		148 (alt 0, 148) (note)				
	TFS	TF0, bits	0 x148 (alt 1x0) (note)				
		TF1, bits	1x148				
	TTI, ms		80				
	Coding type		CC 1/3				
	CRC, bit			1	6		
	Max number of bits	Max number of bits/TTI before rate matching		516			
	matching						
	RM attribute		155-	185			
NOTE: alterna	ative parameters enable	e the measurement "	transport chani	nel BLER" in th	ie UE.		

6.10.2.4.1.1.2.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

6.10.2.4.1.1.2.2 Physical channel parameters

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

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

6.10.2.4.1.2.1 Uplink

6.10.2.4.1.2.1.1 Transport channel parameters

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

Higher layer	RAB/signalling	RAB/signalling RB		SRB#2	SRB#3	SRB#4	
	User of Radio	User of Radio Bearer		RRC	NAS_DT	NAS_DT	
					High prio	Low prio	
RLC	Logical chann	el type	DCCH	DCCH	DCCH	DCCH	
	RLC mode		UM	AM	AM	AM	
	Payload sizes	, bit	136	128	128	128	
	Max data rate	, bps	3400	3200	3200	3200	
	AMD/UMD PD	U header, bit	8	16	16	16	
MAC	MAC header,	MAC header, bit		4	4	4	
	MAC multiplex	MAC multiplexing		4 logical channel multiplexing			
Layer 1	TrCH type		DCH				
	TB sizes, bit		148 (alt 0, 148)				
	TFS	TFS TF0, bits		0x148 (alt 1x0)			
		TF1, bits		1x	148		
	TTI, ms	TTI, ms		40			
	Coding type	Coding type		CC 1/3			
	CRC, bit			16			
	Max number of	Max number of bits/TTI before rate		516			
	matching	matching					
	Uplink: Max n	Uplink: Max number of bits/radio		1:	29		
	frame before r	ate matching					
	RM attribute			155	-185		

6.10.2.4.1.2.1.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

6.10.2.4.1.2.1.2 Physical channel parameters

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

6.10.2.4.1.2.2 Downlink

6.10.2.4.1.2.2.1 Transport channel parameters

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

Higher layer	RAB/signalling RB		SRB#1	SRB#2	SRB#3	SRB#4	
	User of Radio Bearer		RRC	RRC	NAS_DT	NAS_DT	
					High prio	Low prio	
RLC	Logical channel typ	е	DCCH	DCCH	DCCH	DCCH	
	RLC mode		UM	AM	AM	AM	
	Payload sizes, bit		136	128	128	128	
	Max data rate, bps		3400	3200	3200	3200	
	AMD/UMD PDU he	ader, bit	8	16	16	16	
MAC	MAC header, bit		4	4	4	4	
	MAC multiplexing		4 logical channel multiplexing				
Layer 1	TrCH type		DCH				
•	TB sizes, bit		148 (alt 0, 148) (note)				
	TFS	TFS TF0, bits		0x148 (alt 1x0) (note)			
		TF1, bits		1x1	148		
	TTI, ms	TTI, ms		40			
	Coding type		CC 1/3				
	CRC, bit		16				
	Max number of bits/TTI before rate		516				
	matching						
	RM attribute		155-230				
NOTE: alterna	ative parameters enable	the measurement	transport chan	nel BLER" in th	ne UE.		

6.10.2.4.1.2.2.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

6.10.2.4.1.2.2.2 Physical channel parameters

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

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

6.10.2.4.1.3.1 Uplink

6.10.2.4.1.3.1.1 Transport channel parameters

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

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

6.10.2.4.1.3.1.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

6.10.2.4.1.3.1.2 Physical channel parameters

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

6.10.2.4.1.3.2 Downlink

6.10.2.4.1.3.2.1 Transport channel parameters

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

Higher layer	RAB/signalling RB		SRB#1	SRB#2	SRB#3	SRB#4
	User of Radio Bearer		RRC	RRC	NAS_DT	NAS_DT
					High prio	Low prio
RLC	Logical channel type	;	DCCH	DCCH	DCCH	DCCH
	RLC mode		UM	AM	AM	AM
	Payload sizes, bit		136	128	128	128
	Max data rate, bps		13600	12800	12800	12800
	AMD/UMD PDU header, bit		8	16	16	16
MAC	MAC header, bit		4	4	4	4
	MAC multiplexing		4 logical channel multiplexing			
Layer 1	TrCH type		DCH			
	TB sizes, bit		148 (alt 0, 148) (note)			
	TFS	TF0, bits	0x148 (alt 1x0) (note)		1x0) (note)	
		TF1, bits		1x1	48	
	TTI, ms		10			
	Coding type		CC 1/3			
	CRC, bit		16			
	Max number of bits/TTI before rate matching			5′	16	
NOTE: alterna	ative parameters enable	the measurement '	transport chan	nel BLER" in th	ne UE.	

6.10.2.4.1.3.2.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

6.10.2.4.1.3.2.2 Physical channel parameters

DPCH Downlink	DTX position		N/A (SingleTrCH)
	Minimum spreadi	ng factor	128
	DPCCH	Number of TFCI bits/slot	0
		Number of TPC bits/slot	2
		Number of Pilot bits/slot	4
	DPDCH	Number of data bits/slot	34
		Number of data bits/frame	510

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

6.10.2.4.1.4.1 Uplink

6.10.2.4.1.4.1.1 Transport channel parameters

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

Higher layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3	
RLC	Logical channel type		DTCH		
	RLC mode	TM	TM	TM	
	Payload sizes, bit	39, 81 (alt. 0, 39, 81)	103	60	
	Max data rate, bps		12200		
	TrD PDU header, bit		0		
MAC	MAC header, bit		0		
	MAC multiplexing		N/A		
Layer 1	TrCH type	DCH	DCH	DCH	
	TB sizes, bit	39, 81	103	60	
		(alt. 0, 39, 81)			
	TFS TF0, bits	0x81(alt. 1x0) (note)	0x103	0x60	
	TF1, bits	1x39	1x103	1x60	
	TF2, bits	1x81	N/A	N/A	
	TTI, ms	20	20	20	
	Coding type	CC 1/3	CC 1/3	CC ½	
	CRC, bit	12	N/A	N/A	
	Max number of bits/TTI after channel coding	303	333	136	
	Uplink: Max number of bits/radio frame before rate matching	152	167	68	
	RM attribute	180-220	170-210	215-256	

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

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

See clause 6.10.2.4.1.2.1.1.

6.10.2.4.1.4.1.1.3 TFCS

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

6.10.2.4.1.4.1.2 Physical channel parameters

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

6.10.2.4.1.4.2 Downlink

6.10.2.4.1.4.2.1 Transport channel parameters

6.10.2.4.1.4.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

Higher layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3
RLC	Logical channel type		DTCH	
	RLC mode	TM	TM	TM
	Payload sizes, bit	0 39 81	103	60
	Max data rate, bps		12 200	
	TrD PDU header, bit		0	
MAC	MAC header, bit		0	
	MAC multiplexing		N/A	
Layer 1	TrCH type	DCH	DCH	DCH
	TB sizes, bit	0 39 81	103	60
	TFS TF0, bits	1x0 (note 2)	0x103	0x60
	(note 1) TF1, bits	1x39	1x103	1x60
	TF2, bits	1x81	N/A	N/A
	TTI, ms	20	20	20
	Coding type	CC 1/3	CC 1/3	CC ½
	CRC, bit	12	N/A	N/A
	Max number of bits/TTI after channel coding	303	333	136
	RM attribute	180-220	170-210	215-256

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

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

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.4.2.1.3 TFCS

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

6.10.2.4.1.4.2.2 Physical channel parameters

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

6.10.2.4.1.4a Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.4a.1.1 Transport channel parameters

6.10.2.4.1.4a.1.1.1 Transport channel parameters for Conversational / speech / UL: (12.2 7.95 5.9 4.75) kbps / CS RAB

Higher layer	RAB/	Signalling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3
RLC	Logical channel type		DTCH		
	RLC mode		TM	TM	TM
	Payload siz	zes, bit	39, 42, 55, 75, 81 (alt. 0, 39, 81)	53, 63, 84, 103	60
	Max data ra	ate, bps		12200	
	TrD PDU h	eader, bit		0	
MAC	MAC head	er, bit		0	
	MAC multip	olexing		N/A	
Layer 1	TrCH type		DCH	DCH	DCH
	Т	B sizes, bit	39, 42, 55, 75, 81 (alt. 0, 39, 42, 55, 75, 81)	53, 63, 84, 103	60
	TFS	TF0, bits	0x81(alt. 1x0) (note)	0x103	0x60
		TF1, bits	1x39	1x53	1x60
		TF2 bits	1x42	1x63	N/A
		TF3, bits	1x55	1x84	N/A
		TF4, bits	1x75	1x103	N/A
		TF5, bits	1x81	N/A	N/A
	TTI, ms		20	20	20
	Coding type		CC 1/3	CC 1/3	CC 1/2
	CRC, bit		12	N/A	N/A
	Max number of bits/TTI after channel coding Uplink: Max number of bits/radio frame before rate matching		303	333	136
			152	167	68
	RM attribute		180-220	170-210	215-256

Transport channel parameters for UL:3.4 kbps SRBs for DCCH 6.10.2.4.1.4a.1.1.2

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.4a.1.1.3 **TFCS**

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

6.10.2.4.1.4a.1.2 Physical channel parameters

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

6.10.2.4.1.4a.2 Downlink

6.10.2.4.1.4a.2.1 Transport channel parameters

6.10.2.4.1.4a.2.1.1 Transport channel parameters for Conversational / speech / DL: (12.2 7.95 5.9 4.75) kbps / CS RAB

Higher layer	RAB/Signa	alling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3	
RLC	Logical channel type			DTCH		
	RLC mode		TM	TM	TM	
	Payload s	izes, bit	0, 39, 42, 55, 75, 81	53, 63, 84, 103	60	
	Max data	rate, bps		12 200		
	TrD PDU I	neader, bit		0		
MAC	MAC head	ler, bit		0		
	MAC multi	iplexing		N/A		
Layer 1	TrCH type		DCH	DCH	DCH	
	TB sizes, bit		0, 39, 42, 55, 75, 81	53, 63, 84, 103	60	
	TFS	TF0, bits	1x0 (note 2)	0x103	0x60	
	(note 1)	TF1, bits	1x39	1x53	1x60	
		TF2, bits	1x42	1x63	N/A	
		TF3, bits	1x55	1x84	N/A	
		TF4, bits	1x75	1x103	N/A	
		TF5, bits	1x81	N/A	N/A	
	TTI, ms		20	20	20	
	Coding type	oe	CC 1/3	CC 1/3	CC 1/2	
	CRC, bit		12	N/A	N/A	
	Max numb	er of bits/TTI after oding	303	333	136	
	RM attribu	te	180-220	170-210	215-256	

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

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

6.10.2.4.1.4a.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.4a.2.1.3 TFCS

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

6.10.2.4.1.4a.2.2 Physical channel parameters

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

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

6.10.2.4.1.5.1 Uplink

6.10.2.4.1.5.1.1 Transport channel parameters

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

Higher layer	RAB/Sigi	nalling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3
RLC	Logical channel type		DTCH		
	RLC mode		TM	TM	TM
	Payload sizes, bit		39, 65 (alt. 0, 39, 65)	99	40
	Max data rate, bps		10200		
	TrD PDU	header, bit		0	
ИAC	MAC header, bit		0		
	MAC multiplexing		N/A		
Layer 1	TrCH type		DCH	DCH	DCH
	TB sizes, bit		39, 65 (alt. 0, 39, 65)	99	40
	TFS	TF0, bits	0x65 (alt. 1x0) (note)	0x99	0x40
		TF1, bits	1x39	1x99	1x40
		TF2, bits	1x65	N/A	N/A
	TTI, ms		20	20	20
	Coding type		CC 1/3	CC 1/3	CC ½
	CRC, bit		12	N/A	N/A
	Max number of bits/TTI after channel coding		255	321	96
	Uplink: Max number of bits/radio frame before rate matching		128	161	48
	RM attribute		180-220	170-210	215-256

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

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

See clause 6.10.2.4.1.2.1.1.1

6.10.2.4.1.5.1.1.3 TFCS

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

6.10.2.4.1.5.1.2 Physical channel parameters

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

6.10.2.4.1.5.2 Downlink

6.10.2.4.1.5.2.1 Transport channel parameters

6.10.2.4.1.5.2.1.1 Transport channel parameters for Conversational / speech / DL:10.2 kbps / CS RAB

Higher layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3	
RLC	Logical channel type		DTCH		
	RLC mode	TM	TM	TM	
	Payload sizes, bit	0	99	40	
		39 65			
	Max data rate, bps		10 200		
	TrD PDU header, bit	0			
MAC	MAC header, bit	0			
	MAC multiplexing		N/A		
Layer 1	TrCH type	DCH	DCH	DCH	
	TB sizes, bit	0 39 65	99	40	
	TFS TF0, bits	1x0 (note 2)	0x99	0x40	
	(note 1) TF1, bits	1x39	1x99	1x40	
	TF2, bits	1x65	N/A	N/A	
	TTI, ms	20	20	20	
	Coding type	CC 1/3	CC 1/3	CC ½	
	CRC, bit	12	N/A	N/A	
	Max number of bits/TTI after channel coding	255	321	96	
	RM attribute	180-220	170-210	215-256	

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

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

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.5.2.1.3 TFCS

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

6.10.2.4.1.5.2.2 Physical channel parameters

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

6.10.2.4.1.5a Conversational / speech / UL:(10.2, 6.7, 5.9, 4.75) DL:(10.2, 6.7, 5.9, 4.75) kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.5a.1 Uplink

6.10.2.4.1.5a.1.1 Transport channel parameters

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

Higher Layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3	
RLC	Logical channel type		DTCH		
	RLC mode	TM	TM	TM	
	Payload sizes, bit	39, 42, 55, 58, 65 (alt. 0, 39, 42, 55, 58, 65)	53, 63, 76, 99	40	
	Max data rate, bps		10200		
	TrD PDU header, bit		0		
MAC	MAC header, bit		0		
	MAC multiplexing		N/A		
Layer 1	TrCH type	DCH	DCH	DCH	
	TB sizes, bit	39, 42, 55, 58, 65 (alt. 0, 39, 42, 55, 58, 65)	53, 63, 76, 99	40	
	TFS TF0, bits	0x65 (alt. 1x0) (note)	0x99	0x40	
	TF1, bits	1x39	1x53	1x40	
	TF2, bits	1x42	1x63	N/A	
	TF3, bits	1x55	1x76	N/A	
	TF4, bits	1x58	1x99	N/A	
	TF5, bits	1x65	N/A	N/A	
	TTI, ms	20	20	20	
	Coding type	CC 1/3	CC 1/3	CC ½	
	CRC, bit	12	N/A	N/A	
	Max number of bits/TTI after channel coding	255	321	96	
	Uplink: Max number of bits/radio frame before rate matching	128	161	48	
	RM attribute	180-220	170-210	215-256	
	In case of using this alternative, C number of TrBlks are 1 even if the				

6.10.2.4.1.5a.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.1.1.1

6.10.2.4.1.5a.1.1.3 TFCS

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

6.10.2.4.1.5a.1.2 Physical channel parameters

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

6.10.2.4.1.5a.2 Downlink

6.10.2.4.1.5a.2.1 Transport channel parameters

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

Higher Layer	RAB/Signa	alling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3	
RLC	Logical channel type			DTCH		
	RLC mode		TM	TM	TM	
	Payload si	zes, bit	0, 39, 42, 55, 58, 65	0, 53, 63, 76, 99	40	
	Max data	rate, bps		10 200	•	
	TrD PDU I	neader, bit		0		
MAC	MAC head	ler, bit		0		
	MAC multi	plexing		N/A		
Layer 1	TrCH type		DCH	DCH	DCH	
	TB sizes, I	oit	0, 39, 42, 55, 58, 65	0, 53, 63, 76, 99	40	
	TFS	TF0, bits	1x0 (note 2)	0x99	0x40	
	(note 1)	TF1, bits	1x39	1x53	1x40	
		TF2, bits	1x42	1x63	N/A	
		TF3, bits	1x55	1x76	N/A	
		TF4, bits	1x58	1x99	N/A	
		TF5, bits	1x65	N/A	N/A	
	TTI, ms		20	20	20	
	Coding typ	oe	CC 1/3	CC 1/3	CC ½	
	CRC, bit		12	N/A	N/A	
	Max numb	er of bits/TTI after oding	255	321	96	
	RM attribu	te	180-220	170-210	215-256	

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

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

6.10.2.4.1.5a.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.5a.2.1.3 TFCS

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

6.10.2.4.1.5a.2.2 Physical channel parameters

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

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

6.10.2.4.1.6.1 Uplink

6.10.2.4.1.6.1.1 Transport channel parameters

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

Higher layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2
RLC	Logical channel type	DTO	CH
	RLC mode	TM	TM
	Payload sizes, bit	39, 75 (alt. 0, 39, 75)	84
	Max data rate, bps	795	50
	TrD PDU header, bit	0	
ИAC	MAC header, bit	0	
	MAC multiplexing	N/A	A
_ayer 1	TrCH type	DCH	DCH
•	TB sizes, bit	39, 75 (alt. 0, 39, 75)	84
	TFS TF0, bits	0x75 (alt. 1x0) (note)	0x84
	TF1, bits	1x39	1x84
	TF2, bits	1x75	N/A
	TTI, ms	20	20
	Coding type	CC 1/3	CC 1/3
	CRC, bit	12	N/A
	Max number of bits/TTI after channel coding	285	276
	Uplink: Max number of bits/radio frame before	143	138
	rate matching		
	RM attribute	180-220	170-210

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

See clause 6.10.2.4.1.2.1.1.1

6.10.2.4.1.6.1.1.3 TFCS

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

6.10.2.4.1.6.1.2 Physical channel parameters

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

6.10.2.4.1.6.2 Downlink

6.10.2.4.1.6.2.1 Transport channel parameters

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

Higher layer	RAB/Signa	alling RB	RAB subflow #1	RAB subflow #2
RLC	Logical ch	annel type	DT	CH
	RLC mode)	TM	TM
	Payload si	zes, bit	0 39 75	84
	Max data	rate, bps		950
	TrD PDU I	neader, bit		0
MAC	MAC head	ler, bit		0
	MAC multi	plexing	N/A	
Layer 1	TrCH type		DCH	DCH
	TB sizes, I	pit	0 39 75	84
	TFS	TF0, bits	1x0 (note 2)	0x84
	(note 1)	TF1, bits	1x39	1x84
		TF2, bits	1x75	N/A
	TTI, ms	·	20	20
	Coding typ	oe	CC 1/3	CC 1/3
	CRC, bit		12	N/A
	Max numb	er of bits/TTI after channel coding	285	276
	RM attribu	te	180-220	170-210

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

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

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.6.2.1.3 TFCS

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

6.10.2.4.1.6.2.2 Physical channel parameters

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

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

6.10.2.4.1.7.1 Uplink

6.10.2.4.1.7.1.1 Transport channel parameters

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

Higher layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2
RLC	Logical channel type	DTO	CH
	RLC mode	TM	TM
	Payload sizes, bit	39, 61 (alt. 0, 39, 61)	87
	Max data rate, bps	740	00
	TrD PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	A
Layer 1	TrCH type	DCH	DCH
	TB sizes, bit	39, 61 (alt. 0, 39, 61)	87
	TFS TF0, bits	0x61 (alt. 1x0) (note)	0x87
	TF1, bits	1x39	1x87
	TF2, bits	1x61	N/A
	TTI, ms	20	20
	Coding type	CC 1/3	CC 1/3
	CRC, bit	12	N/A
	Max number of bits/TTI after channel coding	243	285
	Uplink: Max number of bits/radio frame before rate matching	122	143
	RM attribute	180-220	170-210
	In case of using this alternative, CRC parity bits are of TrBlks are 1 even if there is no data on RAB subf		

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

See clause 6.10.2.4.1.2.1.1.1

6.10.2.4.1.7.1.1.3 TFCS

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

6.10.2.4.1.7.1.2 Physical channel parameters

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

6.10.2.4.1.7.2 Downlink

6.10.2.4.1.7.2.1 Transport channel parameters

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

Higher layer	RAB/Signa	alling RB	RAB subflow #1	RAB subflow #2
RLC	Logical channel type		DT	CH
	RLC mode		TM	TM
	Payload si	zes, bit	0	87
			39	
			61	
	Max data		74	100
	TrD PDU I	neader, bit		0
MAC	MAC head	ler, bit	0	
	MAC multi	plexing	N/A	
Layer 1	TrCH type		DCH	DCH
	TB sizes, I	oit	0	87
			39	
			61	
	TFS	TF0, bits	1x0 (note 2)	0x87
	(note 1)	TF1, bits	1x39	1x87
		TF2, bits	1x61	N/A
	TTI, ms		20	20
	Coding typ	pe	CC 1/3	CC 1/3
	CRC, bit		12	N/A
	Max numb	er of bits/TTI after channel coding	243	285
	RM attribu	te	180-220	170-210

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

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

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.7.2.1.3 TFCS

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

6.10.2.4.1.7.2.2 Physical channel parameters

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

6.10.2.4.1.7a Conversational / speech / UL:(7.4, 6.7, 5.9, 4.75) DL:(7.4, 6.7, 5.9, 4.75) kbps / CS RAB+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.7a.1 Uplink

6.10.2.4.1.7a.1.1 Transport channel parameters

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

Higher layer	KAB/Sigi	nalling RB	RAB subflow #1	RAB subflow #2
RLC	Logical channel type		DTC	Н
	RLC mod		TM	TM
		Payload sizes, bit	39, 42, 55, 58, 61 (alt. 0, 39, 42, 55, 58, 61)	53, 63, 76, 87
	Max data	a rate, bps	7400	0
	TrD PDU	header, bit	0	
MAC	MAC hea	ader, bit	0	
	MAC mu	Itiplexing	N/A	
Layer 1	TrCH type		DCH	DCH
·	TB sizes, bit		39, 42, 55, 58, 61 (alt. 0, 39, 42, 55, 58, 61)	53, 63, 76, 87
	TFS	TF0, bits	0x61 (alt. 1x0) (note)	0x87
		TF1, bits	1x39	1x53
		TF2, bits	1x42	1x63
		TF3, bits	1x55	1x76
		TF4, bits	1x58	1x87
		TF5, bits	1x61	N/A
	TTI, ms		20	20
	Coding type		CC 1/3	CC 1/3
	CRC, bit		12	N/A
	Max number of bits/TTI after channel coding		243	285
	Uplink: Max number of bits/radio frame before rate matching		122	143
	RM attribute		180-220	170-210

6.10.2.4.1.7a.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.1.1.1

6.10.2.4.1.7a.1.1.3 TFCS

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

6.10.2.4.1.7a.1.2 Physical channel parameters

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

6.10.2.4.1.7a.2 Downlink

6.10.2.4.1.7a.2.1 Transport channel parameters

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

Higher layer	RAB/Sign	alling RB	RAB subflow #1	RAB subflow #2
RLC	Logical channel type		DTO	CH
	RLC mod	e	TM	TM
	Payload s	sizes, bit	0, 39, 42, 55, 58, 61	53, 63, 76, 87
	Max data	rate, bps	740	00
	TrD PDU	header, bit	0	
MAC	MAC hea	der, bit	0	
	MAC multiplexing		N/A	
Layer 1	TrCH type		DCH	DCH
	TB sizes, bit		0, 39, 42, 55, 58, 61	53, 63, 76, 87
	TFS	TF0, bits	1x0 (note 2)	0x87
	(note 1)	TF1, bits	1x39	1x53
		TF2, bits	1x42	1x63
		TF3, bits	1x55	1x76
		TF4, bits	1x58	1x87
		TF5, bits	1x61	N/A
	TTI, ms		20	20
	Coding type		CC 1/3	CC 1/3
	CRC, bit		12	N/A
		ber of bits/TTI after channel coding	243	285
	RM attribute		180-220	170-210

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

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

6.10.2.4.1.7a.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.7a.2.1.3 TFCS

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

6.10.2.4.1.7a.2.2 Physical channel parameters

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

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

Uplink 6.10.2.4.1.8.1

6.10.2.4.1.8.1.1 Transport channel parameters

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

Higher	RAB/Signalling RB	RAB subflow #1	RAB subflow #2
layer			
RLC	Logical channel type	DTC	CH
	RLC mode	TM	TM
	Payload sizes, bit	39, 58 (alt. 0, 39, 58)	76
	Max data rate, bps	670	00
	TrD PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	A
Layer 1	TrCH type	DCH	DCH
-	TB sizes, bit	39, 58 (alt. 0, 39, 58)	76
	TFS TF0, bits	0x58 (alt. 1x0) (note)	0x76
	TF1, bits	1x39	1x76
	TF2, bits	1x58	N/A
	TTI, ms	20	20
	Coding type	CC 1/3	CC 1/3
	CRC, bit	12	N/A
	Max number of bits/TTI after channel coding	234	252
	Uplink: Max number of bits/radio frame before rate matching	117	126
	RM attribute	180-220	170-210

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

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

See clause 6.10.2.4.1.2.1.1.1

6.10.2.4.8.1.1.3 TFCS

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

6.10.2.4.1.8.1.2 Physical channel parameters

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

6.10.2.4.1.8.2 Downlink

6.10.2.4.1.8.2.1 Transport channel parameters

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

Higher layer	RAB/Sign	alling RB	RAB subflow #1	RAB subflow #2
RLC	Logical channel type		DT	CH
	RLC mode		TM	TM
	Payload s	izes, bit	0 39 58	76
	Max data	rate, bps		700
		header, bit		0
MAC	MAC header, bit		0	
	MAC multiplexing		N/A	
Layer 1	TrCH type		DCH	DCH
,	TB sizes, bit		0 39 58	76
	TFS	TF0, bits	1x0 (note 2)	0x76
	(note 1)	TF1, bits	1x39	1x76
		TF2, bits	1x58	N/A
	TTI, ms		20	20
	Coding type		CC 1/3	CC 1/3
	CRC, bit		12	N/A
	Max number of bits/TTI after channel coding		234	252
	RM attribu	ute	180-220	170-210

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

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

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.8.2.1.3 TFCS

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

6.10.2.4.1.8.2.2 Physical channel parameters

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

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

6.10.2.4.1.9.1 Uplink

6.10.2.4.1.9.1.1 Transport channel parameters

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

Higher layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	
RLC	Logical channel type	DTC	DTCH	
	RLC mode	TM	TM	
	Payload sizes, bit	39, 55 (alt. 0, 39, 55)	63	
	Max data rate, bps	590	00	
	TrD PDU header, bit	0		
MAC	MAC header, bit	0		
	MAC multiplexing	N/A	4	
Layer 1	TrCH type	DCH	DCH	
	TB sizes, bit	39, 55 (alt. 0, 39, 55)	63	
	TFS TF0, bits	0x55 (alt. 1x0) (note)	0x63	
i	TF1, bits	1x39	1x63	
	TF2, bits	1x55	N/A	
	TTI, ms	20	20	
	Coding type	CC 1/3	CC 1/3	
	CRC, bit	12	N/A	
	Max number of bits/TTI after channel coding	225	213	
	Uplink: Max number of bits/radio frame before rate matching	113	107	
	RM attribute	180-220	170-210	
	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).			

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.9.1.1.3 TFCS

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

6.10.2.4.1.9.1.2 Physical channel parameters

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

6.10.2.4.1.9.2 Downlink

6.10.2.4.1.9.2.1 Transport channel parameters

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

Higher layer	RAB/Signa	alling RB	RAB subflow #1	RAB subflow #2
RLC	Logical ch	annel type	DT	CH
	RLC mode)	TM	TM
	Payload si	zes, bit	0 39 55	63
	Max data	rate, bps	59	900
	TrD PDU I	neader, bit		0
MAC	MAC header, bit		0	
	MAC multiplexing		N/A	
Layer 1	TrCH type		DCH	DCH
	TB sizes, bit		0 39 55	63
	TFS	TF0, bits	1x0 (note 2)	0x63
	(note 1)	TF1, bits	1x39	1x63
		TF2, bits	1x55	N/A
	TTI, ms		20	20
	Coding typ	pe	CC 1/3	CC 1/3
	CRC, bit		12	N/A
	Max numb	er of bits/TTI after channel coding	225	213
	RM attribute		180-220	170-210

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

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

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.9.2.1.3 TFCS

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

6.10.2.4.1.9.2.2 Physical channel parameters

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

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

6.10.2.4.1.10.1 Uplink

6.10.2.4.1.10.1.1 Transport channel parameters

6.10.2.4.1.10.1.1 Transport channel parameters for Conversational / speech / UL:5.15 kbps / CS RAB

Higher layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2
RLC	Logical channel type	DTO	CH
	RLC mode	TM	TM
	Payload sizes, bit	39, 49 (alt. 0, 39, 49)	54
	Max data rate, bps	515	50
	TrD PDU header, bit	0	
ИAC	MAC header, bit	0	
	MAC multiplexing	N/A	A
_ayer 1	TrCH type	DCH	DCH
•	TB sizes, bit	39, 49 (alt. 0, 39, 49)	54
	TFS TF0, bits	0x49 (alt. 1x0) (note)	0x54
	TF1, bits	1x39	1x54
	TF2, bits	1x49	N/A
	TTI, ms	20	20
	Coding type	CC 1/3	CC 1/3
	CRC, bit	12	N/A
	Max number of bits/TTI after channel coding	207	186
	Uplink: Max number of bits/radio frame before	104	93
	rate matching		
	RM attribute	180-220	170-210

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

See clause 6.10.2.4.1.1.1.1

6.10.2.4.1.10.1.1.3 TFCS

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

6.10.2.4.1.10.1.2 Physical channel parameters

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

6.10.2.4.1.10.2 Downlink

6.10.2.4.1.10.2.1 Transport channel parameters

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

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

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

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

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

See clause 6.10.2.4.1.1.2.1.1

6.10.2.4.1.10.2.1.3 TFCS

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

6.10.2.4.1.10.2.2 Physical channel parameters

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

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

6.10.2.4.1.11.1 Uplink

6.10.2.4.1.11.1.1 Transport channel parameters

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

Higher layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2
RLC	Logical channel type	DTO	CH
	RLC mode	TM	TM
	Payload sizes, bit	39, 42 (alt. 0, 39, 42)	53
	Max data rate, bps	475	50
	TrD PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	A
Layer 1	TrCH type	DCH	DCH
_	TB sizes, bit	39, 42 (alt. 0, 39, 42)	53
	TFS TF0, bits	0x42 (alt. 1x0) (note)	0x53
	TF1, bits	1x39	1x53
	TF2, bits	1x42	N/A
	TTI, ms	20	20
	Coding type	CC 1/3	CC 1/3
	CRC, bit	12	N/A
	Max number of bits/TTI after channel coding	186	183
	Uplink: Max number of bits/radio frame before	93	92
	rate matching		
	RM attribute	180-220	170-210

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

See clause 6.10.2.4.1.1.1.1

6.10.2.4.1.11.1.3 TFCS

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

6.10.2.4.1.11.1.2 Physical channel parameters

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

6.10.2.4.1.11.2 Downlink

6.10.2.4.1.11.2.1 Transport channel parameters

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

Higher layer	RAB/Signa	alling RB	RAB subflow #1	RAB subflow #2
RLC	Logical ch	annel type	TD	CH
	RLC mode		TM	TM
	Payload s	izes, bit	0	53
			39 42	
	Max data	rate, bps		750
	TrD PDU I	neader, bit		0
MAC	MAC head	der, bit	0	
	MAC multi	plexing	N/A	
Layer 1	TrCH type		DCH	DCH
	TB sizes,	bit	0	53
			39	
			42	
	TFS	TF0, bits	1x0 (note 2)	0x53
	(note 1)	TF1, bits	1x39	1x53
		TF2, bits	1x42	N/A
	TTI, ms		20	20
	Coding typ	oe .	CC 1/3	CC 1/3
	CRC, bit		12	N/A
		per of bits/TTI after channel coding	186	183
	RM attribute		180-220	170-210

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

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

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

See clause 6.10.2.4.1.1.2.1.1

6.10.2.4.1.11.2.1.3 TFCS

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

6.10.2.4.1.11.2.2 Physical channel parameters

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

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

6.10.2.4.1.12.1 Uplink

6.10.2.4.1.12.1.1 Transport channel parameters

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

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

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

See clause 6.10.2.4.1.2.1.1.1

6.10.2.4.1.12.1.1.3 TFCS

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

6.10.2.4.1.12.1.2 Physical channel parameters

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

6.10.2.4.1.12.2 Downlink

6.10.2.4.1.12.2.1 Transport channel parameters

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

Higher layer	RAB/Sig	nalling RB	RAB
RLC	Logical	channel type	DTCH
	RLC mo	de	TM
	Payload	sizes, bit	576
	Max data	a rate, bps	28800
	TrD PDU	J header, bit	0
MAC	MAC he	ader, bit	0
	MAC mu	ultiplexing	N/A
Layer 1	TrCH typ	De .	DCH
	TB sizes	s, bit	576
	TFS	TF0, bits	0x576
		TF1, bits	1x576
		TF2, bits	2x576
	TTI, ms		40
	Coding t	type	TC
	CRC, bit	t e	16
	Max nun	nber of bits/TTI after channel coding	3564
	RM attril	bute	160-200

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.12.2.1.3 TFCS

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

6.10.2.4.1.12.2.2 Physical channel parameters

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

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

6.10.2.4.1.13.1 Uplink

6.10.2.4.1.13.1.1 Transport channel parameters

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

Higher layer	RAB/Signalling I	₹В	RAB
RLC	Logical channel type		DTCH
	RLC mode	77-	TM
	Payload sizes, b	it	640
	Max data rate, b	ps	64000
	TrD PDU heade	r, bit	0
MAC	MAC header, bit		0
	MAC multiplexing		N/A
Layer 1	TrCH type		DCH
-	TB sizes, bit		640
	TFS	TF0, bits	0x640
		TF1, bits	2x640(alt. 4x640)
	TTI, ms		20(alt. 40)
	Coding type		TC
	CRC, bit		16
	Max number of bits/TTI after channel coding		3948(alt. 7884)
	Uplink: Max number of bits/radio frame before		1974(alt. 1971)
	rate matching		·
	RM attribute		150-195

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

See clause 6.10.2.4.1.2.1.1.1

6.10.2.4.1.13.1.1.3 TFCS

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

6.10.2.4.1.13.1.2 Physical channel parameters

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

6.10.2.4.1.13.2 Downlink

6.10.2.4.1.13.2.1 Transport channel parameters

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

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

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.13.2.1.3 TFCS

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

6.10.2.4.1.13.2.2 Physical channel parameters

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

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

6.10.2.4.1.14.1 Uplink

6.10.2.4.1.14.1.1 Transport channel parameters

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

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

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

See clause 6.10.2.4.1.2.1.1.1

6.10.2.4.1.13.1.1.3 TFCS

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

6.10.2.4.1.14.1.2 Physical channel parameters

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

6.10.2.4.1.14.2 Downlink

6.10.2.4.1.14.2.1 Transport channel parameters

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

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

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.14.2.1.3 TFCS

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

6.10.2.4.1.14.2.2 Physical channel parameters

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

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

6.10.2.4.1.15.1 Uplink

6.10.2.4.1.15.1.1 Transport channel parameters

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

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

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.15.1.1.3 TFCS

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

6.10.2.4.1.15.1.2 Physical channel parameters

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

6.10.2.4.1.15.2 Downlink

6.10.2.4.1.15.2.1 Transport channel parameters

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

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

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.15.2.1.3 TFCS

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

6.10.2.4.1.15.2.2 Physical channel parameters

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

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

for DCCH

6.10.2.4.1.16.1 Uplink

6.10.2.4.1.16.1.1 Transport channel parameters

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

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

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.16.1.1.3 TFCS

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

6.10.2.4.1.16.1.2 Physical channel parameters

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

6.10.2.4.1.16.2 Downlink

6.10.2.4.1.16.2.1 Transport channel parameters

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

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

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.16.2.1.3 TFCS

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

6.10.2.4.1.16.2.2 Physical channel parameters

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

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

6.10.2.4.1.17.1 Uplink

6.10.2.4.1.17.1.1 Transport channel parameters

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

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

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.17.1.1.3 TFCS

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

6.10.2.4.1.17.1.2 Physical channel parameters

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

6.10.2.4.1.17.2 Downlink

6.10.2.4.1.17.2.1 Transport channel parameters

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

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

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

6.10.2.4.1.17.2.2 Physical channel parameters

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

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

6.10.2.4.1.18.1 Uplink

6.10.2.4.1.18.1.1 Transport channel parameters

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

N/A

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.18.1.1.3 TFCS

See clause 6.10.2.4.1.2.1.1.2.

6.10.2.4.1.18.1.2 Physical channel parameters

See clause 6.10.2.4.1.2.1.2.

6.10.2.4.1.18.2 Downlink

6.10.2.4.1.18.2.1 Transport channel parameters

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

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

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.18.2.1.3 TFCS

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

6.10.2.4.1.18.2.2 Physical channel parameters

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

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

6.10.2.4.1.19.1 Uplink

6.10.2.4.1.19.1.1 Transport channel parameters

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

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

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.19.1.1.3 TFCS

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

6.10.2.4.1.19.1.2 Physical channel parameters

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

6.10.2.4.1.19.2 Downlink

6.10.2.4.1.19.2.1 Transport channel parameters

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

N/A

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.19.2.1.3 TFCS

See clause 6.10.2.4.1.2.2.1.2.

6.10.2.4.1.19.2.2 Physical channel parameters

See clause 6.10.2.4.1.2.2.2.

6.10.2.4.1.20 Streaming / unknown / UL:0 DL:128 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for

DCCH

6.10.2.4.1.20.1 Uplink

6.10.2.4.1.20.1.1 Transport channel parameters

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

N/A

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.20.1.1.3 TFCS

See clause 6.10.2.4.1.2.1.1.2.

6.10.2.4.1.20.1.2 Physical channel parameters

See clause 6.10.2.4.1.2.1.2.

6.10.2.4.1.20.2 Downlink

6.10.2.4.1.20.2.1 Transport channel parameters

6.10.2.4.1.20.2.1.1 Transport channel parameters for Streaming / unknown / DL:128 kbps / CS RAB

Higher layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	320
	Max data rate, bps	128000
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
'	TB sizes, bit	320
	TFS TF0, bits	0x320
	TF1, bits	1x320
	TF2, bits	2x320
	TF3, bits	4x320
	TF4, bits	8x320
	TF5, bits	16x320
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	16152
	RM attribute	125-165

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.20.2.1.3 TFCS

TFCS size	12
TFCS	(128 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0)
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1)

6.10.2.4.1.20.2.2 Physical channel parameters

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

6.10.2.4.1.21 Streaming / unknown / UL:128 DL:0 kbps / CS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.21.1 Uplink

6.10.2.4.1.21.1.1 Transport channel parameters

6.10.2.4.1.21.1.1.1 Transport channel parameters for Streaming / unknown / UL:128 kbps / CS RAB

Higher	RAB/Signalling RB		RAB
layer			
RLC	Logical channel type		DTCH
	RLC mode		TM
	Payload sizes, bit		320
	Max data rate, bps		128000
	TrD PDU header, bit		0
MAC	MAC header, bit		0
	MAC multiplexing		N/A
Layer 1	TrCH type		DCH
	TB sizes, bit		320
	TFS TF0, bits		0x320
	TF1, bits		1x320
	TF2, bits		2x320
	TF3, bits		4x320
	TF4, bits		8x320
	TF5, bits		16x320
	TTI, ms		40
	Coding type		TC
	CRC, bit		16
	Max number of bits/TTI after channel coding		16152
	Uplink: Max number of bits/radio frame before rate matching		4038
	RM attribute		125-165

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.21.1.1.3 TFCS

TFCS size	12
TFCS	(128 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0)
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1)

6.10.2.4.1.21.1.2 Physical channel parameters

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

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6.10.2.4.1.21.2.1 Transport channel parameters

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

N/A

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.21.2.1.3 TFCS

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.21.2.2 Physical channel parameters

See clause 6.10.2.4.1.2.2.2.

6.10.2.4.1.22 Streaming / unknown / UL:0 DL:384 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for

DCCH

6.10.2.4.1.22.1 Uplink

6.10.2.4.1.22.1.1 Transport channel parameters

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

N/A

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.22.1.1.3 TFCS

See clause 6.10.2.4.1.2.1.1.2.

6.10.2.4.1.22.1.2 Physical channel parameters

See clause 6.10.2.4.1.2.1.2.

6.10.2.4.1.22.2 Downlink

6.10.2.4.1.22.2.1 Transport channel parameters

6.10.2.4.1.22.2.1.1 Transport channel parameters for Streaming / unknown / DL:384 kbps / CS RAB

Higher layer	RAB/Signal	ling RB	RAB
RLC	Logical channel type		DTCH
	RLC mode		TM
	Payload siz	es, bit	320
	Max data ra		384000
	TrD PDU he	eader, bit	0
MAC	MAC heade	er, bit	0
	MAC multip	lexing	N/A
Layer 1	TrCH type		DCH
	TB sizes, bi	it	320
	TFS	TF0, bits	0x320
		TF1, bits	1x320
		TF2, bits	2x320
		TF3, bits	4x320
		TF4, bits	8x320
		TF5, bits	16x320
		TF6, bits	32x320
		TF7, bits	48x320
	TTI, ms		40
	Coding type	9	TC
	CRC, bit		16
	Max numbe	er of bits/TTI after channel coding	48432
	RM attribute		110-150

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.22.2.1.3 TFCS

TFCS size	16		
TFCS	(384 kbps RAB, DCCH)=		
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7, TF0),		
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1)		

6.10.2.4.1.22.2.2 Physical channel parameters

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

6.10.2.4.1.23 Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for

DCCH

6.10.2.4.1.23.1 Uplink

6.10.2.4.1.23.1.1 Transport channel parameters

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

Higher	RAB/Signalling RB	RAB	
layer			
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	320	
	Max data rate, bps	32000	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	336	
	TFS TF0, bits	0x336	
	TF1, bits	1x336	
	TF2, bits	2x336 (alt. N/A)	
	TTI, ms	20 (alt. 10)	
	Coding type	TC (alt. CC 1/3)	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	2124 (alt. 1080)	
	Uplink: Max number of bits/radio frame before	1062 (alt. 1080)	
	rate matching	·	
	RM attribute	135-175	

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.23.1.1.3 TFCS

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

6.10.2.4.1.23.1.2 Physical channel parameters

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

6.10.2.4.1.23.2 Downlink

6.10.2.4.1.23.2.1 Transport channel parameters

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

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

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.23.2.1.3 TFCS

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

6.10.2.4.1.23.2.2 Physical channel parameters

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

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

DCCH

6.10.2.4.1.23a.1 Uplink

6.10.2.4.1.23a.1.1 Transport channel parameters

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

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

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.23a.1.1.3 TFCS

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

6.10.2.4.1.23a.1.2 Physical channel parameters

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

6.10.2.4.1.23a.2 Downlink

6.10.2.4.1.23a.2.1 Transport channel parameters

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

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

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.23a.2.1.3 TFCS

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

6.10.2.4.1.23a.2.2 Physical channel parameters

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

6.10.2.4.1.23b Interactive or background / UL:16 DL:16 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs

for DCCH

6.10.2.4.1.23b.1 Uplink

6.10.2.4.1.23b.1.1 Transport channel parameters

6.10.2.4.1.23b.1.1.1 Transport channel parameters for Interactive or background / UL:16 kbps / PS RAB

Higher layer	RAB/Signa	Illing RB	RAB
RLC	Logical cha	annel type	DTCH
	RLC mode		AM
	Payload siz	zes, bit	320
	Max data ra	ate, bps	16000
	AMD PDU	header, bit	16
MAC	MAC head	er, bit	0
	MAC multip	olexing	N/A
Layer 1	TrCH type		DCH
	TB sizes, b	oit	336
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336
	TTI, ms		40
	Coding type	e	TC
	CRC, bit		16
	Max number of bits/TTI after channel coding		2124
	Uplink: Max before rate	x number of bits/radio frame matching	531
	RM attribut	te	135-175

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.23b.1.1.3 TFCS

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

6.10.2.4.1.23b.1.2 Physical channel parameters

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

6.10.2.4.1.23b.2 Downlink

6.10.2.4.1.23b.2.1 Transport channel parameters

6.10.2.4.1.23b.2.1.1 Transport channel parameters for Interactive or background / DL:16 kbps / PS RAB

Higher layer	RAB/Sig	gnalling RB	RAB
RLC	Logical	channel type	DTCH
	RLC mc	ode	AM
	Payload	I sizes, bit	320
	Max dat	a rate, bps	16000
	AMD PE	DU header, bit	16
MAC	MAC he	eader, bit	0
	MAC m	ultiplexing	N/A
Layer 1	TrCH type		DCH
	TB sizes	s, bit	336
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336
	TTI, ms		40
	Coding type		TC
	CRC, bi	t	16
	Max nur	mber of bits/TTI after channel coding	2124
	RM attri	bute	135-175

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.23b.2.1.3 TFCS

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

6.10.2.4.1.23b.2.2 Physical channel parameters

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

6.10.2.4.1.23c Interactive or background / UL:32 DL:32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs

for DCCH

6.10.2.4.1.23c.1 Uplink

6.10.2.4.1.23c.1.1 Transport channel parameters

6.10.2.4.1.23c.1.1.1 Transport channel parameters for Interactive or background / UL:32 kbps / PS RAB

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

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.23c.1.1.3 TFCS

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

6.10.2.4.1.23c.1.2 Physical channel parameters

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

6.10.2.4.1.23c.2 Downlink

6.10.2.4.1.23c.2.1 Transport channel parameters

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

Higher layer	RAB/Sig	nalling RB	RAB
RLC	Logical o	hannel type	DTCH
	RLC mod	de	AM
	Payload	sizes, bit	320
	Max data	a rate, bps	32000
	AMD PD	U header, bit	16
MAC	MAC header, bit		0
	MAC mu	Itiplexing	N/A
Layer 1	TrCH type		DCH
	TB sizes, bit		336
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336
		TF3, bits	3x336
		TF4, bits	4x336
	TTI, ms		40
	Coding type		TC
	CRC, bit		16
	Max num	nber of bits/TTI after channel coding	4236
	RM attrib	oute	135-175

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.23c.2.1.3 TFCS

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

6.10.2.4.1.23c.2.2 Physical channel parameters

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

6.10.2.4.1.23d Interactive or background / UL:32 DL:32 kbps / PS RAB (20 ms TTI)+ UL:3.4 DL:3.4

kbps SRBs for DCCH

6.10.2.4.1.23d.1 Uplink

6.10.2.4.1.23d.1.1 Transport channel parameters

6.10.2.4.1.23d.1.1.1 Transport channel parameters for Interactive or background / UL:32 kbps / PS RAB

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

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.23d.1.1.3 TFCS

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

6.10.2.4.1.23d.1.2 Physical channel parameters

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

6.10.2.4.1.23d.2 Downlink

6.10.2.4.1.23d.2.1 Transport channel parameters

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

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

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.23d.2.1.3 TFCS

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

6.10.2.4.1.23d.2.2 Physical channel parameters

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

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

DCCH

6.10.2.4.1.24.1 Uplink

6.10.2.4.1.24.1.1 Transport channel parameters

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

Higher layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	64000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336
	TF3, bits	3x336
	TF4, bits	4x336
	TTI, ms	20
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	4236
	Uplink: Max number of bits/radio frame before rate matching	2118
	RM attribute	130-170

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.24.1.1.3 TFCS

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

6.10.2.4.1.24.1.2 Physical channel parameters

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

6.10.2.4.1.24.2 Downlink

See clause 6.10.2.4.1.23.2.

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

for DCCH

6.10.2.4.1.25.1 Uplink

See clause 6.10.2.4.1.23.1.

6.10.2.4.1.25.2 Downlink

6.10.2.4.1.25.2.1 Transport channel parameters

6.10.2.4.1.25.2.1.1 Transport channel parameters for Interactive or background / DL:64 kbps / PS RAB

Higher	RAB/Signalling RB	RAB
layer		
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	64000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336
	TF3, bits	3x336
	TF4, bits	4x336
	TTI, ms	20
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	4236
	RM attribute	130-170

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.25.2.1.3 TFCS

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

6.10.2.4.1.25.2.2 Physical channel parameters

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

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

for DCCH

6.10.2.4.1.26.1 Uplink

See clause 6.10.2.4.1.24.1.

6.10.2.4.1.26.2 Downlink

See clause 6.10.2.4.1.25.2.

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

for DCCH

6.10.2.4.1.27.1 Uplink

See clause 6.10.2.4.1.24.1.

6.10.2.4.1.27.2 Downlink

6.10.2.4.1.27.2.1 Transport channel parameters

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

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

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.27.2.1.3 TFCS

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

6.10.2.4.1.27.2.2 Physical channel parameters

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

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

SRBs for DCCH

6.10.2.4.1.28.1 Uplink

6.10.2.4.1.28.1.1 Transport channel parameters

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

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

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.28.1.1.3 TFCS

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

6.10.2.4.1.28.1.2 Physical channel parameters

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

6.10.2.4.1.28.2 Downlink

See clause 6.10.2.4.1.27.2.

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

for DCCH

6.10.2.4.1.29.1 Uplink

See clause 6.10.2.4.1.24.1.

6.10.2.4.1.29.2 Downlink

6.10.2.4.1.29.2.1 Transport channel parameters

6.10.2.4.1.29.2.1.1 Transport channel parameters for Interactive or background / DL:144 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	144000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336
	TF3, bits	4 x336
	TF4, bits	8 x336
	TF5, bits	9x336
	TTI, ms	20
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	9516
	RM attribute	140-180

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.29.2.1.3 TFCS

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

6.10.2.4.1.29.2.2 Physical channel parameters

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

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

SRBs for DCCH

6.10.2.4.1.30.1 Uplink

6.10.2.4.1.30.1.1 Transport channel parameters

6.10.2.4.1.30.1.1.1 Transport channel parameters for Interactive or background / UL:144 kbps / PS RAB

Higher layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	144000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336
	TF3, bits	4 x336
	TF4, bits	8 x336
	TF5, bits	9 x336
	TTI, ms	20
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	9516
	Uplink: Max number of bits/radio frame before	4758
	rate matching	
	RM attribute	140-180

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.30.1.1.3 TFCS

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

6.10.2.4.1.30.1.2 Physical channel parameters

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

6.10.2.4.1.30.2 Downlink

See clause 6.10.2.4.1.29.2.

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

+ UL:3.4 DL: 3.4 kbps SRBs for DCCH

6.10.2.4.1.31.1 Uplink

See clause 6.10.2.4.1.24.1.

6.10.2.4.1.31.2 Downlink

6.10.2.4.1.31.2.1 Transport channel parameters

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

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

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.31.2.1.3 TFCS

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

6.10.2.4.1.31.2.2 Physical channel parameters

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

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

6.10.2.4.1.32.1 Uplink

See clause 6.10.2.4.1.24.1.

6.10.2.4.1.32.2 Downlink

6.10.2.4.1.32.2.1 Transport channel parameters

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

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

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.32.2.1.3 TFCS

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

6.10.2.4.1.32.2.2 Physical channel parameters

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

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

6.10.2.4.1.33.1 Uplink

See clause 6.10.2.4.1.28.1.

6.10.2.4.1.33.2 Downlink

See clause 6.10.2.4.1.32.2.

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

6.10.2.4.1.34.1 Uplink

6.10.2.4.1.34.1.1 Transport channel parameters

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

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

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.34.1.1.3 TFCS

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

6.10.2.4.1.34.1.2 Physical channel parameters

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

6.10.2.4.1.34.2 Downlink

See clause 6.10.2.4.1.32.2.

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

SRBs for DCCH

6.10.2.4.1.35.1 Uplink

See clause 6.10.2.4.1.24.1.

6.10.2.4.1.35.2 Downlink

6.10.2.4.1.35.2.1 Transport channel parameters

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

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

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.35.2.1.3 TFCS

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

6.10.2.4.1.35.2.2 Physical channel parameters

DPCH	DTX position		Flexible
Downlink	Spreading factor		4
	Number of DPCH		3
	DPCCH	Number of TFCI bits/slot	8
		Number of TPC bits/slot	8
		Number of Pilot bits/slot	16
	DPDCH	Number of data bits/slot	1248
		Number of data bits/frame	18720

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

6.10.2.4.1.36.1 Uplink

See clause 6.10.2.4.1.28.1.

6.10.2.4.1.36.2 Downlink

See clause 6.10.2.4.1.35.2.

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

6.10.2.4.1.37.1 Uplink

See clause 6.10.2.4.1.34.1.

6.10.2.4.1.37.2 Downlink

See clause 6.10.2.4.1.35.2.

6.10.2.4.1.38 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.38.1 Uplink

6.10.2.4.1.38.1.1 Transport channel parameters

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

See clause 6.10.2.4.1.4.1.1.1.

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

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

6.10.2.4.1.38.1.1.4 TFCS

TFCS size	18 (alt. 12)
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 32kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1)
	(alt. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0), (TF0,
	TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1))

6.10.2.4.1.38.1.2 Physical channel parameters

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

6.10.2.4.1.38.2 Downlink

6.10.2.4.1.38.2.1 Transport channel parameters

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

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

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

6.10.2.4.1.38.2.1.4 TFCS

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

6.10.2.4.1.38.2.2 Physical channel parameters

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

6.10.2.4.1.38a Conversational / speech / 12.2 kbps / CS RAB + Interactive or background / UL:0 DL:0 kbps / PS RAB + UL:3.4 bps SRBs for DCCH

6.10.2.4.1.38a.1 Uplink

6.10.2.4.1.38a.1.1 Transport channel parameters

6.10.2.4.1.38a.1.1.1 Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB See clause 6.10.2.4.1.4.1.1.1.

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

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

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.38a.1.1.4 TFCS

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

6.10.2.4.1.38a.1.2 Physical channel parameters

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

6.10.2.4.1.38a.2 Downlink

6.10.2.4.1.38a.2.1 Transport channel parameters

6.10.2.4.1.38a.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB See clause 6.10.2.4.1.4.2.1.1.

6.10.2.4.1.38a.2.1.2 Transport channel parameters for Interactive or background / DL:0 kbps / PS RAB

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

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.38a.2.1.4 TFCS

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

6.10.2.4.1.38a.2.2 Physical channel parameters

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

6.10.2.4.1.38b Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.38b.1 Uplink

6.10.2.4.1.38b.1.1 Transport channel parameters

6.10.2.4.1.38b.1.1.1 Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB See clause 6.10.2.4.1.4.1.1.1.

6.10.2.4.1.38b.1.1.2 Transport channel parameters for Interactive or background / UL:8 kbps / PS RAB

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

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.38b.1.1.4 TFCS

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

6.10.2.4.1.38b.1.2 Physical channel parameters

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

6.10.2.4.1.38b.2 Downlink

6.10.2.4.1.38b.2.1 Transport channel parameters

6.10.2.4.1.38b.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB See clause 6.10.2.4.1.4.2.1.1.

6.10.2.4.1.38b.2.1.2 Transport channel parameters for Interactive or background / DL:8 kbps / PS RAB

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

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.38b.2.1.4 TFCS

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

6.10.2.4.1.38b.2.2 Physical channel parameters

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

6.10.2.4.1.38c Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.38c.1 Uplink

6.10.2.4.1.38c.1.1 Transport channel parameters

6.10.2.4.1.38c.1.1.1 Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB See clause 6.10.2.4.1.4.1.1.1.

6.10.2.4.1.38c.1.1.2 Transport channel parameters for Interactive or background / UL:32 kbps / PS RAB See clause 6.2.4.1.23c.1.1.1.

6.10.2.4.1.38c.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.38c.1.1.4 TFCS

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 32 kbps RAB, DCCH)=
	(TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF1,TF0,TF0),
	(TF0,TF0,TF1,TF0), (TF1,TF0,TF1,TF0), (TF2,TF1,TF1,TF1,TF1),
	(TF0,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF2,TF0), (TF2,TF1,TF1,TF2,TF0),
	(TF0,TF0,TF0,TF3,TF0), (TF1,TF0,TF0,TF3,TF0), (TF2,TF1,TF1,TF3,TF0),
	(TF0,TF0,TF0,TF4,TF0), (TF1,TF0,TF0,TF4,TF0), (TF2,TF1,TF1,TF4,TF0),
	(TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF1,TF0,TF1),
	(TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF1,TF1,TF1),
	(TF0,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF2,TF1), (TF2,TF1,TF1,TF2,TF1),
	(TF0,TF0,TF0,TF3,TF1), (TF1,TF0,TF0,TF3,TF1), (TF2,TF1,TF1,TF3,TF1),
	(TF0,TF0,TF0,TF4,TF1), (TF1,TF0,TF0,TF4,TF1), (TF2,TF1,TF1,TF4,TF1)

6.10.2.4.1.38c.1.2 Physical channel parameters

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

6.10.2.4.1.38c.2 Downlink

6.10.2.4.1.38c.2.1 Transport channel parameters

6.10.2.4.1.38c.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB See clause 6.10.2.4.1.4.2.1.1.

6.10.2.4.1.38c.2.1.2 Transport channel parameters for Interactive or background / DL:32 kbps / PS RAB See clause 6.2.4.1.23c.2.1.1.

6.10.2.4.1.38c.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.38c.2.1.4 TFCS

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 32 kbps RAB, DCCH)=
	(TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF1,TF0,TF0),
	(TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF1,TF1,TF0),
	(TF0,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF2,TF0), (TF2,TF1,TF1,TF2,TF0),
	(TF0,TF0,TF0,TF3,TF0), (TF1,TF0,TF0,TF3,TF0), (TF2,TF1,TF1,TF3,TF0),
	(TF0,TF0,TF0,TF4,TF0), (TF1,TF0,TF0,TF4,TF0), (TF2,TF1,TF1,TF4,TF0),
	(TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF1,TF0,TF1),
	(TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF1,TF1,TF1),
	(TF0,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF2,TF1), (TF2,TF1,TF1,TF2,TF1),
	(TF0,TF0,TF0,TF3,TF1), (TF1,TF0,TF0,TF3,TF1), (TF2,TF1,TF1,TF3,TF1),
	(TF0,TF0,TF0,TF4,TF1), (TF1,TF0,TF0,TF4,TF1), (TF2,TF1,TF1,TF4,TF1)

6.10.2.4.1.38c.2.2 Physical channel parameters

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

6.10.2.4.1.38d Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:64 kbps / PS RAB + Interactive or background / UL:64 DL:64 kbps / PS

RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.38d.1 Uplink

6.10.2.4.1.38d.1.1 Transport channel parameters

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

See clause 6.10.2.4.1.4.1.1.1.

6.10.2.4.1.38d.1.1.2 Transport channel parameters for Interactive or background / UL:64 kbps / PS RAB + UL:64 kbps / PS RAB

Higher Layer	RAB/Signalling RB		RAB	RAB	
RLC	Logical channel type		DTCH	DTCH	
	RLC mo		AM	AM	
	Payload	sizes, bit	320	320	
	Max data	a rate, bps	64000	64000	
	AMD PD	U header, bit	16	16	
MAC	MAC hea	ader, bit	4	4	
	MAC mu	ıltiplexing	2 logical chann	el multiplexing	
Layer 1	TrCH typ	oe e	DC	DCH	
	TB sizes	, bit	34	.0	
	TFS	TF0, bits	0x3	40	
		TF1, bits	1x3	40	
		TF2, bits	2x3	40	
		TF3, bits	3x3	40	
		TF4, bits	4x3	40	
	TTI, ms		20		
	Coding t		TO		
	CRC, bit		10	6	
		nber of bits/TTI after channel coding	428	34	
	Uplink: Max number of bits/radio frame		214	42	
		ate matching			
	RM attrib	oute	130-	170	

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.38d.1.1.4 TFCS

TFCS size	30
TFCS size TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB + 64 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF1,TF1,TF0), (TF0,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF2,TF0), (TF2,TF1,TF1,TF3,TF0), (TF0,TF0,TF0,TF3,TF0), (TF1,TF0,TF0,TF3,TF0), (TF2,TF1,TF1,TF3,TF0),
	(TF0,TF0,TF0,TF4,TF0), (TF1,TF0,TF0,TF4,TF0), (TF2,TF1,TF1,TF4,TF0), (TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF1), (TF2,TF1,TF1,TF1,TF1), (TF0,TF0,TF1,TF1), (TF0,TF0,TF1,TF1), (TF2,TF1,TF1,TF1,TF1), (TF0,TF0,TF0,TF2,TF1), (TF2,TF1,TF1,TF2,TF1), (TF0,TF0,TF0,TF0,TF3,TF1), (TF0,TF0,TF3,TF1), (TF0,TF0,TF3,TF1), (TF0,TF0,TF3,TF1), (TF0,TF0,TF3,TF1), (TF0,TF0,TF3,TF1), (TF0,TF0,TF3,TF1), (TF0,TF0,TF3,TF1,TF1,TF3,TF1)

6.10.2.4.1.38d.1.2 Physical channel parameters

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

6.10.2.4.1.38d.2 Downlink

6.10.2.4.1.38d.2.1 Transport channel parameters

6.10.2.4.1.38d.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB See clause 6.10.2.4.1.4.2.1.1.

6.10.2.4.1.38d.2.1.2 Transport channel parameters for Interactive or background / DL:64 kbps / PS RAB + DL:64 kbps / PS RAB

Higher Layer	RAB/Sig	nalling RB		RAB	
RLC			DTCH	DTCH	
	RLC mo	de	AM	AM	
	Payload	sizes, bit	320	320	
	Max dat	a rate, bps	64000	64000	
	AMD PE	OU header, bit	16	16	
MAC	MAC he	ader, bit	4	4	
	MAC mu	ultiplexing	2 logical chan	2 logical channel multiplexing	
Layer 1	TrCH type		DCH		
	TB sizes, bit		340		
	TFS	0x340	0x340		
		1x340	1x340		
		2x340	2x	340	
		3x340	3x	340	
		4x340	4x340		
	TTI, ms		20		
	Coding type		TC		
	CRC, bit		16		
	Max number of bits/TTI after channel coding		4284		
	RM attri	bute	130	-170	

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.38d.2.1.4 TFCS

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB + 64 kbps RAB, DCCH)=
	(TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0),(TF2,TF1,TF1,TF0,TF0),
	(TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0),(TF2,TF1,TF1,TF1,TF0),
	(TF0,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF2,TF0),(TF2,TF1,TF1,TF2,TF0),
	(TF0,TF0,TF0,TF3,TF0), (TF1,TF0,TF0,TF3,TF0),(TF2,TF1,TF1,TF3,TF0),
	(TF0,TF0,TF0,TF4,TF0), (TF1,TF0,TF0,TF4,TF0),(TF2,TF1,TF1,TF4,TF0),
	(TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1),(TF2,TF1,TF1,TF0,TF1),
	(TF0,TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1),(TF2,TF1,TF1,TF1,TF1),
	(TF0,TF0,TF0,TF2,TF1), (TF1,TF0,TF0,TF2,TF1),(TF2,TF1,TF1,TF2,TF1),
	(TF0,TF0,TF0,TF3,TF1), (TF1,TF0,TF0,TF3,TF1),(TF2,TF1,TF1,TF3,TF1),
	(TF0,TF0,TF0,TF4,TF1), (TF1,TF0,TF0,TF4,TF1),(TF2,TF1,TF1,TF4,TF1)

6.10.2.4.1.38d.2.2 Physical channel parameters

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

6.10.2.4.1.38e Conversational / speech / (12.2 7.95 5.9 4.75) kbps / CS RAB + Interactive or

background / UL:0 DL:0 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.38e.1 Uplink

6.10.2.4.1.38e.1.1 Transport channel parameters

6.10.2.4.1.38e.1.1.1 Transport channel parameters for Conversational / speech / UL: (12.2 7.95 5.9 4.75)

kbps / CS RAB

See clause 6.10.2.4.1.4a.1.1.1.

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

See clause 6.10.2.4.1.38a.1.1.2.

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.38e.1.1.4 TFCS

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

6.10.2.4.1.38e.1.2 Physical channel parameters

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

6.10.2.4.1.38e.2 Downlink

6.10.2.4.1.38e.2.1 Transport channel parameters

6.10.2.4.1.38e.2.1.1 Transport channel parameters for Conversational / speech / DL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1. 4a.2.1.1.

6.10.2.4.1.38e.2.1.2 Transport channel parameters for Interactive or background / DL:0 kbps / PS RAB See clause 6.10.2.4.1.38a.2.1.2

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.38e.2.1.4 TFCS

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

6.10.2.4.1.38e.2.2 Physical channel parameters

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

6.10.2.4.1.38f Conversational / speech / (12.2 7.95 5.9 4.75) kbps / CS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.38f.1 Uplink

6.10.2.4.1.38f.1.1 Transport channel parameters

6.10.2.4.1.38f.1.1.1 Transport channel parameters for Conversational / speech / UL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1.4a.1.1.1.

6.10.2.4.1.38f.1.1.2 Transport channel parameters for Interactive or background / UL:8 kbps / PS RAB See clause 6.10.2.4.1.38b.1.1.1.

6.10.2.4.1. 38f.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.38f.1.1.4 TFCS

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

6.10.2.4.1.38f.1.2 Physical channel parameters

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

6.10.2.4.1.38f.2 Downlink

6.10.2.4.1.38f.2.1 Transport channel parameters

6.10.2.4.1.38f.2.1.1 Transport channel parameters for Conversational / speech / DL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1.4a.2.1.1.

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

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.38f.2.1.4 TFCS

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

6.10.2.4.1.38f.2.2 Physical channel parameters

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

6.10.2.4.1.38g Conversational / speech / (12.2 7.95 5.9 4.75) kbps / CS RAB + Interactive or background / UL:16 DL:16 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.38g.1 Uplink

6.10.2.4.1.38g.1.1 Transport channel parameters

6.10.2.4.1.38g.1.1.1 Transport channel parameters for Conversational / speech / UL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1.4a.1.1.1.

6.10.2.4.1.38g.1.1.2 Transport channel parameters for Interactive or background / UL:16 kbps / PS RAB See clause 6.10.2.4.1.23b.1.1.1.

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.38g.1.1.4 TFCS

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

6.10.2.4.1.38g.1.2 Physical channel parameters

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

6.10.2.4.1.38g.2 Downlink

6.10.2.4.1.38g.2.1 Transport channel parameters

6.10.2.4.1.38g.2.1.1 Transport channel parameters for Conversational / speech / DL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1.4a.2.1.1.

6.10.2.4.1.38g.2.1.2 Transport channel parameters for Interactive or background / DL:16 kbps / PS RAB See clause 6.10.2.4.1.23b.2.1.1.

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.38g.2.1.4 TFCS

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

6.10.2.4.1.38g.2.2 Physical channel parameters

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

6.10.2.4.1.38h Conversational / speech / (12.2 7.95 5.9 4.75) kbps / CS RAB + Interactive or background / UL:32 DL:32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.38h.1 Uplink

6.10.2.4.1.38h.1.1 Transport channel parameters

6.10.2.4.1.38h.1.1.1 Transport channel parameters for Conversational / speech / UL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1.4a.1.1.1.

6.10.2.4.1.38h.1.1.2 Transport channel parameters for Interactive or background / UL:32 kbps / PS RAB See clause 6.10.2.4.1.23c.1.1.1.

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.38h.1.1.4 TFCS

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

6.10.2.4.1.38h.1.2 Physical channel parameters

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

6.10.2.4.1.38h.2 Downlink

6.10.2.4.1.38h.2.1 Transport channel parameters

6.10.2.4.1.38h.2.1.1 Transport channel parameters for Conversational / speech / DL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1.4a.2.1.1.

6.10.2.4.1.38h.2.1.2 Transport channel parameters for Interactive or background / DL:32 kbps / PS RAB See clause 6.10.2.4.1.23c.2.1.1.

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.38h.2.1.4 TFCS

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

6.10.2.4.1.38h.2.2 Physical channel parameters

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

6.10.2.4.1.38i Conversational / speech / (12.2 7.95 5.9 4.75) kbps / CS RAB + Interactive or background / UL:64 DL:64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.38i.1 Uplink

6.10.2.4.1.38i.1.1 Transport channel parameters

6.10.2.4.1.38i.1.1.1 Transport channel parameters for Conversational / speech / UL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1.4a.1.1.1.

6.10.2.4.1.38i.1.1.2 Transport channel parameters for Interactive or background / UL:64 kbps / PS RAB See clause 6.10.2.4.1.24.1.1.1.

6.10.2.4.1.38i.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.38i.1.1.4 TFCS

TFCS size	48
TFCS size TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF1,TF0), (TF2,TF1,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF2,TF0), (TF1,TF0,TF2,TF0), (TF2,TF1,TF0,TF2,TF0), (TF3,TF2,TF0,TF2,TF0), (TF4,TF3,TF0,TF2,TF0), (TF5,TF4,TF1,TF2,TF0), (TF0,TF0,TF0,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,TF1), (TF2,TF1,TF0,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF3,TF2,TF0,TF1,TF1), (TF1,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1), (TF0,TF0,TF0,TF2,TF1), (TF1,TF0,TF2,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), (TF2,TF1,TF0,TF4,TF1), (TF3,TF2,TF0,TF4,TF1), (TF4,TF3,TF0,TF4,TF1), (TF5,TF4,TF1,TF4,TF1)

6.10.2.4.1.38i.1.2 Physical channel parameters

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

6.10.2.4.1.38i.2 Downlink

6.10.2.4.1.38i.2.1 Transport channel parameters

6.10.2.4.1.38i.2.1.1 Transport channel parameters for Conversational / speech / DL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1.4a.2.1.1.

6.10.2.4.1.38i.2.1.2 Transport channel parameters for Interactive or background / DL:64 kbps / PS RAB See clause 6.10.2.4.1.25.2.1.1.

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.38i,2.1.4 TFCS

TFCS size	60
TFCS	
11503	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB, DCCH)=
	(TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0),
	(TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0),
	(TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF0,TF1,TF0),
	(TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0),
	(TF0,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF2,TF0), (TF2,TF1,TF0,TF2,TF0),
	(TF3,TF2,TF0,TF2,TF0), (TF4,TF3,TF0,TF2,TF0), (TF5,TF4,TF1,TF2,TF0),
	(TF0,TF0,TF0,TF3,TF0), (TF1,TF0,TF0,TF3,TF0), (TF2,TF1,TF0,TF3,TF0),
	(TF3,TF2,TF0,TF3,TF0), (TF4,TF3,TF0,TF3,TF0), (TF5,TF4,TF1,TF3,TF0),
	(TF0,TF0,TF0,TF4,TF0), (TF1,TF0,TF0,TF4,TF0), (TF2,TF1,TF0,TF4,TF0),
	(TF3,TF2,TF0,TF4,TF0), (TF4,TF3,TF0,TF4,TF0), (TF5,TF4,TF1,TF4,TF0),
	(TF0,TF0,TF0,TF0,TF1), (TF1,TF0,TF0,TF0,TF1), (TF2,TF1,TF0,TF0,TF1),
	(TF3,TF2,TF0,TF0,TF1), (TF4,TF3,TF0,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,TF3,TF1), (TF1,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,TF4,TF1), (TF1,TF0,TF4,TF1), (TF2,TF1,TF0,TF4,TF1),
	(TF3,TF2,TF0,TF4,TF1), (TF4,TF3,TF0,TF4,TF1), (TF5,TF4,TF1,TF4,TF1)

6.10.2.4.1.38i.2.2 Physical channel parameters

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

6.10.2.4.1.38j Conversational / speech / (12.2 7.95 5.9 4.75) kbps / CS RAB + Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 bps SRBs for DCCH

6.10.2.4.1.38j.1 Uplink

6.10.2.4.1.38j.1.1 Transport channel parameters

See clause 6.10.2.4.1.38i.1.1

6.10.2.4.1.38j.2 Downlink

6.10.2.4.1.38j.2.1 Transport channel parameters

6.10.2.4.1.38j.2.1.1 Transport channel parameters for Conversational / speech / DL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1.4a.2.1.1.

6.10.2.4.1.38j.2.1.2 Transport channel parameters for Interactive or background / DL:128 kbps / PS RAB See clause 6.10.2.4.1.27.2.1.1.

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.38j.2.1.4 TFCS

TFCS size	60
TFCS size TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 128 kbps RAB, DCCH)= (TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0), (TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0), (TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF0,TF1,TF0), (TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0), (TF0,TF0,TF0,TF2,TF0), (TF1,TF0,TF0,TF2,TF0), (TF2,TF1,TF0,TF2,TF0), (TF3,TF2,TF0,TF2,TF0), (TF4,TF3,TF0,TF2,TF0), (TF5,TF4,TF1,TF2,TF0), (TF0,TF0,TF3,TF0), (TF1,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,TF1), (TF2,TF1,TF0,TF0,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1), (TF5,TF4,TF1,TF0,TF1), (TF0,TF0,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1), (TF0,TF0,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1),
	(TF0,TF0,TF1,TF1), (TF1,TF0,TF0,TF1,TF1), (TF2,TF1,TF0,TF1,TF1), (TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1), (TF0,TF0,TF0,TF2,TF1), (TF1,TF0,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,TF3,TF1), (TF2,TF1,TF0,TF3,TF1), (TF3,TF2,TF0,TF3,TF1), (TF5,TF4,TF1,TF3,TF1), (TF0,TF0,TF0,TF4,TF1), (TF1,TF0,TF4,TF1), (TF2,TF1,TF0,TF4,TF1), (TF3,TF2,TF0,TF4,TF1), (TF3,TF2,TF0,TF4,TF1), (TF3,TF2,TF0,TF4,TF1)

6.10.2.4.1.38j.2.2 Physical channel parameters

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

6.10.2.4.1.39 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:64 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH

6.10.2.4.1.39.1 Uplink

See clause 6.10.2.4.1.38.1.

6.10.2.4.1.39.2 Downlink

6.10.2.4.1.39.2.1 Transport channel parameters

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

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

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

6.10.2.4.1.39.2.1.4 TFCS

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF1, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)

6.10.2.4.1.39.2.2 Physical channel parameters

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

6.10.2.4.1.40 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:64 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH

6.10.2.4.1.40.1 Uplink

6.10.2.4.1.40.1.1 Transport channel parameters

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

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

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

6.10.2.4.1.40.1.1.4 TFCS

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF1, TF1, TF0), (TF1, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)

6.10.2.4.1.40.1.2 Physical channel parameters

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

6.10.2.4.1.40.2 Downlink

See clause 6.10.2.4.1.39.2.

6.10.2.4.1.41 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.41.1 Uplink

See clause 6.10.2.4.1.40.1.

6.10.2.4.1.41.2 Downlink

6.10.2.4.1.41.2.1 Transport channel parameters

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

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

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.41.2.1.4 TFCS

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

6.10.2.4.1.41.2.2 Physical channel parameters

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

6.10.2.4.1.42 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.42.1 Uplink

See clause 6.10.2.4.1.40.1.

6.10.2.4.1.42.2 Downlink

6.10.2.4.1.42.2.1 Transport channel parameters

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

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

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

6.10.2.4.1.42.2.1.4 TFCS

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

6.10.2.4.1.42.2.2 Physical channel parameters

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

6.10.2.4.1.43 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

TFCS size	36 (alt. 54)
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 384 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)
	(TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1),
	(alt. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF1, TF0), (TF1, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF0, TF0, TF0, TF0, TF0, TF0
	(TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF0, TF0, TF0, TF1, TF1, TF6, TF0),
	(TF0, TF0, TF0, TF7, TF0), (TF1, TF0, TF0, TF0, TF0, TF0, TF0, TF0, TF0
	(TF0, TF0, TF0, TF8, TF0), (TF1, TF0, TF0, TF0, TF0, TF1, TF1, TF1, TF8, TF0),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1) (TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1)
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF3, TF1) (TF0, TF0, TF0, TF1), (TF1, TF0, TF1), (TF1, TF0, TF1), (TF1, TF1, TF1, TF1, TF1, TF1, TF1, TF1,
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF1, TF1), (TF1, TF1, TF1, TF1, TF1, TF1, TF1, TF1,
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1, TF1, TF1, TF1, TF1, TF1, TF1
	$\{(11.0, 11.0, 11.0, 11.0, 11.1), (11.1, 11.0, 11.0, 11.0, 11.1), (11.2, 11.1, 11.1, 11.0, 11.1)\}$

6.10.2.4.1.43.2.2 Physical channel parameters

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

6.10.2.4.1.44 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:128 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.44.1 Uplink

6.10.2.4.1.44.1.1 Transport channel parameters

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

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

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

6.10.2.4.1.44.1.1.4 TFCS

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

6.10.2.4.1.44.1.2 Physical channel parameters

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

6.10.2.4.1.44.2 Downlink

6.10.2.4.1.44.2.1 Transport channel parameters

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

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

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

6.10.2.4.1.44.2.1.4 TFCS

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

6.10.2.4.1.44.2.2 Physical channel parameters

DPCH	DTX position		Flexible
Downlink	Spreading factor		4
	Number of DPDCH		3
	DPCCH	Number of TFCI bits/slot	8
		Number of TPC bits/slot	8
		Number of Pilot bits/slot	16
	DPDCH	Number of data bits/slot	1248
		Number of data bits/frame	18720

6.10.2.4.1.45 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / unknown / UL:57.6 DL:57.6 kbps / CS RAB + UL:3.4 bbps SRBs for DCCH

6.10.2.4.1.45.1 Uplink

6.10.2.4.1.45.1.1 Transport channel parameters

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

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

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

6.10.2.4.1.45.1.1.4 TFCS

TFCS size	30	
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 57.6 kbps RAB, DCCH)=	
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),	
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),	
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),	
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),	
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),	
	(TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),	
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),	
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),	
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),	
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)	

6.10.2.4.1.45.1.2 Physical channel parameters

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

6.10.2.4.1.45.2 Downlink

6.10.2.4.1.45.2.1 Transport channel parameters

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

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

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

6.10.2.4.1.45.2.1.4 TFCS

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 57.6 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)

6.10.2.4.1.45.2.2 Physical channel parameters

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

6.10.2.4.1.46 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.46.1 Uplink

See clause 6.10.2.4.1.4.1.

6.10.2.4.1.46.2 Downlink

6.10.2.4.1.46.2.1 Transport channel parameters

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

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

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.46.2.1.4 TFCS

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)

6.10.2.4.1.46.2.2 Physical channel parameters

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

6.10.2.4.1.47 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / unknown / UL:0 DL:128 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.47.1 Uplink

See clause 6.10.2.4.1.4.1.

6.10.2.4.1.47.2 Downlink

6.10.2.4.1.47.2.1 Transport channel parameters

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

6.10.2.4.1.47.2.1.2 Transport channel parameters for Streaming / unknown / DL:128 kbps / CS RAB See clause 6.10.2.4.1.20.2.1.1.

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

6.10.2.4.1.47.2.1.4 TFCS

TFCS size	36	
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 128 kbps RAB, DCCH)=	
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),	
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),	
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),	
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),	
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),	
	(TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),	
	(TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),	
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1),	
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),	
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),	
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1),	
	(TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1)	

6.10.2.4.1.47.2.2 Physical channel parameters

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

6.10.2.4.1.48 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / unknown / UL:0 DL:384 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.48.1 Uplink

See clause 6.10.2.4.1.4.1.

6.10.2.4.1.48.2 Downlink

6.10.2.4.1.48.2.1 Transport channel parameters

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

6.10.2.4.1.48.2.1.2 Transport channel parameters for Streaming / unknown / DL:384 kbps / CS RAB See clause 6.10.2.4.1.22.2.1.1.

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

6.10.2.4.1.48.2.1.4 TFCS

TFCS size	48
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 384 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	(TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0),
	(TF0, TF0, TF0, TF7, TF0), (TF1, TF0, TF0, TF7, TF0), (TF2, TF1, TF1, TF7, TF0),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1),
	(TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1),
	(TF0, TF0, TF0, TF6, TF1), (TF1, TF0, TF0, TF6, TF1), (TF2, TF1, TF1, TF6, TF1),
	(TF0, TF0, TF0, TF7, TF1), (TF1, TF0, TF0, TF7, TF1), (TF2, TF1, TF1, TF7, TF1)

6.10.2.4.1.48.2.2 Physical channel parameters

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

6.10.2.4.1.49 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH
6.10.2.4.1.49.1 Uplink

6.10.2.4.1.49.1.1 Transport channel parameters

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

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

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

6.10.2.4.1.49.1.1.4 TFCS

TFCS size	12
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1)

6.10.2.4.1.49.1.2 Physical channel parameters

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

6.10.2.4.1.49.2 Downlink

6.10.2.4.1.49.2.1 Transport channel parameters

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

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

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

6.10.2.4.1.49.2.1.4 TFCS

TFCS size	12
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1)

6.10.2.4.1.49.2.2 Physical channel parameters

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

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

6.10.2.4.1.49a.1.1 Transport channel parameters

Uplink

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

6.10.2.4.1.49a.1.1.4 TFCS

See clause 6.10.2.4.1.2.1.1.1.

TFCS size	24
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB, DCCH)=
	(TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0),
	(TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,TF0), (TF5,TF4,TF1,TF0,TF0),
	(TF0,TF0,TF0,TF1,TF0), (TF1,TF0,TF0,TF1,TF0), (TF2,TF1,TF0,TF1,TF0),
	(TF3,TF2,TF0,TF1,TF0), (TF4,TF3,TF0,TF1,TF0), (TF5,TF4,TF1,TF1,TF0),
	(TF0,TF0,TF0,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),
1	(TF3,TF2,TF0,TF1,TF1), (TF4,TF3,TF0,TF1,TF1), (TF5,TF4,TF1,TF1,TF1)

6.10.2.4.1.49a.1.2 Physical channel parameters

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

6.10.2.4.1.49a.2 Downlink

6.10.2.4.1.49a.2.1 Transport channel parameters

6.10.2.4.1.49a.2.1.1 Transport channel parameters for Conversational / speech / DL: (12.2 7.95 5.9 4.75) kbps / CS RAB

See clause 6.10.2.4.1. 4a.2.1.1.

6.10.2.4.1.49a.2.1.2 Transport channel parameters for Conversational / unknown / DL:64 kbps / CS RAB See clause 6.10.2.4.1.13.2.1.1.

6.10.2.4.1.49a.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.1.49a.2.1.4 TFCS

TFCS size	24
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB, DCCH)=
	(TF0,TF0,TF0,TF0,TF0), (TF1,TF0,TF0,TF0,TF0), (TF2,TF1,TF0,TF0,TF0),
	(TF3,TF2,TF0,TF0,TF0), (TF4,TF3,TF0,TF0,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)

6.10.2.4.1.49a.2.2 Physical channel parameters

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

6.10.2.4.1.50 Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 bps 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

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

6.10.2.4.1.50.1.2 Physical channel parameters

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

6.10.2.4.1.50.2 Downlink

6.10.2.4.1.50.2.1 Transport channel parameters

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

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

6.10.2.4.1.50.2.1.3 TFCS

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

6.10.2.4.1.50.2.2 Physical channel parameters

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

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

6.10.2.4.1.51.1 Uplink

6.10.2.4.1.51.1.1 Transport channel parameters

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

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

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

6.10.2.4.1.51.1.1.4 TFCS

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

6.10.2.4.1.51.1.2 Physical channel parameters

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

6.10.2.4.1.51.2 Downlink

6.10.2.4.1.51.2.1 Transport channel parameters

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

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

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

6.10.2.4.1.51.2.1.4 TFCS

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

6.10.2.4.1.51.2.2 Physical channel parameters

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

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

6.10.2.4.1.51a.1 Uplink

6.10.2.4.1.51a.1.1 Transport channel parameters

6.10.2.4.1.51a.1.1.1 Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB See clause 6.10.2.4.1.13.2.1.1.

6.10.2.4.1.51a.1.1.2 Transport channel parameters for Interactive or Background / UL:8 kbps / PS RAB See clause 6.10.2.4.1.37.1.1.1.

6.10.2.4.1.51a.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.51a.1.1.4 TFCS

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

6.10.2.4.1.51a.1.2 Physical channel parameters

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

6.10.2.4.1.51a.2 Downlink

6.10.2.4.1.51a.2.1 Transport channel parameters

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

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

6.10.2.4.1.51a.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.51a.2.1.4 TFCS

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

6.10.2.4.1.51a.2.2 Physical channel parameters

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

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

6.10.2.4.1.51b.1 Uplink

6.10.2.4.1.51b.1.1 Transport channel parameters

6.10.2.4.1.51b.1.1.1 Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB See clause 6.10.2.4.1.13.1.1.1.

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

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

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.51b.1.1.4 TFCS

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

6.10.2.4.1.51b.1.2 Physical channel parameters

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

6.10.2.4.1.51b.2 Downlink

See clause 6.10.2.4.1.51.2.

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

6.10.2.4.1.52.1 Uplink

See clause 6.10.2.4.1.51.1.

6.10.2.4.1.52.2 Downlink

6.10.2.4.1.52.2.1 Transport channel parameters

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

See clause 6.10.2.4.1.13.2.1.1.

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

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

6.10.2.4.1.52.2.1.4 TFCS

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

6.10.2.4.1.52.2.2 Physical channel parameters

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

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

6.10.2.4.1.53.1 Uplink

6.10.2.4.1.53.1.1 Transport channel parameters

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

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

6.10.2.4.1.53.1.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.53.1.1.4 TFCS

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

6.10.2.4.1.53.1.2 Physical channel parameters

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

6.10.2.4.1.53.2 Downlink

See clause 6.10.2.4.1.52.2.

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

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

6.10.2.4.1.54.1 Uplink

See clause 6.10.2.4.1.24.1.

6.10.2.4.1.54.2 Downlink

6.10.2.4.1.54.2.1 Transport channel parameters

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

See clause 6.10.2.4.1.27.2.1.1.

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

See clause 6.10.2.4.1.18.2.1.1.

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.54.2.1.4 TFCS

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

6.10.2.4.1.54.2.4 Physical channel parameters

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

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

UL:0 DL:128 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.55.1 Uplink

See clause 6.10.2.4.1.24.1.

6.10.2.4.1.55.2 Downlink

6.10.2.4.1.55.2.1 Transport channel parameters

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

See clause 6.10.2.4.1.27.2.1.1.

6.10.2.4.1.55.2.1.2 Transport channel parameters for Streaming / unknown / DL:128 kbps / CS RAB

See clause 6.10.2.4.1.20.2.1.1.

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.55.2.1.4 TFCS

TFCS size	60
TFCS	(I/B 128 kbps RAB, Str. 128 kbps RAB, DCCH)=
	(TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF0, TF0), (TF3, TF0, TF0), (TF4, TF0, TF0),
	(TF0, TF1, TF0), (TF1, TF1, TF0), (TF2, TF1, TF0), (TF3, TF1, TF0), (TF4, TF1, TF0),
	(TF0, TF2, TF0), (TF1, TF2, TF0), (TF2, TF2, TF0), (TF3, TF2, TF0), (TF4, TF2, TF0),
	(TF0, TF3, TF0), (TF1, TF3, TF0), (TF2, TF3, TF0), (TF3, TF3, TF0), (TF4, TF3, TF0),
	(TF0, TF4, TF0), (TF1, TF4, TF0), (TF2, TF4, TF0), (TF3, TF4, TF0), (TF4, TF4, TF0),
	(TF0, TF5, TF0), (TF1, TF5, TF0), (TF2, TF5, TF0), (TF3, TF5, TF0), (TF4, TF5, TF0),
	(TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF0, TF1), (TF3, TF0, TF1), (TF4, TF0, TF1),
	(TF0, TF1, TF1), (TF1, TF1, TF1), (TF2, TF1, TF1), (TF3, TF1, TF1), (TF4, TF1, TF1),
	(TF0, TF2, TF1), (TF1, TF2, TF1), (TF2, TF2, TF1), (TF3, TF2, TF1), (TF4, TF2, TF1),
	(TF0, TF3, TF1), (TF1, TF3, TF1), (TF2, TF3, TF1), (TF3, TF3, TF1), (TF4, TF3, TF1),
	(TF0, TF4, TF1), (TF1, TF4, TF1), (TF2, TF4, TF1), (TF3, TF4, TF1), (TF4, TF4, TF1)
	(TF0, TF5, TF1), (TF1, TF5, TF1), (TF2, TF5, TF1), (TF3, TF5, TF1), (TF4, TF5, TF1)

6.10.2.4.1.55.2.2 Physical channel parameters

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

6.10.2.4.1.56 Interactive or background / UL:8 DL:8 kbps / PS RAB + Interactive or background /

UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.56.1 Uplink

6.10.2.4.1.56.1.1 Transport channel parameters

6.10.2.4.1.56.1.1.1 Transport channel parameters for Interactive or background / UL:8 kbps / PS RAB + UL:8 kbps / PS RAB

Higher Layer	RAB/Signalling RB	RAB	RAB
RLC	Logical channel type	DTCH	DTCH
	RLC mode	AM	AM
	Payload sizes, bit	320	320
	Max data rate, bps	8000	8000
	AMD PDU header, bit	16	16
MAC	MAC header, bit	4	4
	MAC multiplexing	2 logical channel multiplexing	
Layer 1	TrCH type	DCH	
•	TB sizes, bit	340	
	TFS TF0, bits	0x340	
	TF1, bits	1x3	40
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	1080	
	Uplink: Max number of bits/radio frame	270	
	before rate matching		
	RM attribute	135-175	

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.56.1.1.3 TFCS

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

6.10.2.4.1.56.1.2 Physical channel parameters

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

6.10.2.4.1.56.2 Downlink

6.10.2.4.1.56.2.1 Transport channel parameters

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

Higher layer	RAB/Signalling RB	RAB	RAB
RLC	Logical channel type	DTCH	DTCH
	RLC mode	AM	AM
	Payload sizes, bit	320	320
	Max data rate, bps	8000	8000
	AMD PDU header, bit	16	16
MAC	MAC header, bit	4	4
	MAC multiplexing	2 logical channel multiplexing	
Layer 1	TrCH type	DCH	
	TB sizes, bit	3	40
	TFS TF0, bits	0x340	
	TF1, bits	1x	340
	TTI, ms	40	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	1080	
	RM attribute	135-175	

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.56.2.1.3 TFCS

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

6.10.2.4.1.56.2.2 Physical channel parameters

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

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

6.10.2.4.1.57.1 Uplink

6.10.2.4.1.57.1.1 Transport channel parameters

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

Higher Layer	RAB/Signalling RB	RAB	RAB	
RLC	Logical channel type	DTCH	DTCH	
	RLC mode	AM	AM	
	Payload sizes, bit	320	320	
	Max data rate, bps	64000	64000	
	AMD PDU header, bit	16	16	
MAC	MAC header, bit	4	4	
	MAC multiplexing	2 logical chann	2 logical channel multiplexing	
Layer 1	TrCH type	DCH		
	TB sizes, bit	34	0	
	TFS TF0, bits	0x3	40	
	TF1, bits	1x3	40	
	TF2, bits	2x3	40	
	TF3, bits	3x3	40	
	TF4, bits	4x3	40	
	TTI, ms	20		
	Coding type	TC		
	CRC, bit	16		
	Max number of bits/TTI after channel coding	4284		
	Uplink: Max number of bits/radio frame	2142		
	before rate matching			
	RM attribute	130-170		

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.57.1.1.3 TFCS

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

6.10.2.4.1.57.1.2 Physical channel parameters

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

6.10.2.4.1.57.2 Downlink

6.10.2.4.1.57.2.1 Transport channel parameters

6.10.2.4.1.57.2.1.1 Transport channel parameters for Interactive or background / DL:64 kbps / PS RAB + DL:64 kbps / PS RAB

Higher layer	RAB/Signalling RB		RAB	RAB
RLC	Logical	channel type	DTCH	DTCH
	RLC mo	de	AM	AM
	Payload	sizes, bit	320	320
	Max data	a rate, bps	64000	64000
	AMD PD	OU header, bit	16	16
MAC	MAC he	ader, bit	4	4
	MAC multiplexing		2 logical channel multiplexing	
Layer 1	TrCH type		DCH	
	TB sizes, bit		340	
	TFS	0x340	0x340	
		1x340	1x340	
		2x340	2x340	
		3x340	3x340	
		4x340	4x340	
	TTI, ms		20	
	Coding type		TC	
	CRC, bit		16	
	Max number of bits/TTI after channel coding		4284	
	RM attribute		130-170	

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.1.57.2.1.3 TFCS

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

6.10.2.4.1.57.2.2 Physical channel parameters

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

6.10.2.4.1.58 Streaming / unknown / UL:16 DL:64 kbps / PS RAB + Interactive or background / UL:8

DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.1.58.1 Uplink

6.10.2.4.1.58.1.1 Transport channel parameters

6.10.2.4.1.58.1.1.1 Transport channel parameters for Streaming / unknown / UL:16 kbps / PS RAB

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

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

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

See clause 6.10.2.4.1.2.1.1.1.

6.10.2.4.1.58.1.1.4 TFCS

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

6.10.2.4.1.58.1.2 Physical channel parameters

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

6.10.2.4.1.58.2 Downlink

6.10.2.4.1.58.2.1 Transport channel parameters

6.10.2.4.1.58.2.1.1 Transport channel parameters for Streaming / unknown / DL:64 kbps / PS RAB

Higher layer	RAB/Sig	nalling RB	RAB
RLC	Logical	channel type	DTCH
	RLC mo	de	AM
	Payload	sizes, bit	640
	Max data	a rate, bps	64000
	AM PDU	J header, bit	16
MAC	MAC he	ader, bit	0
	MAC mu	ultiplexing	N/A
Layer 1	TrCH typ	oe .	DCH
	TB sizes	s, bit	656
	TFS	TF0, bits	0x656
		TF1, bits	1x656
		TF2, bits	2x656
		TF3, bits	4x656
	TTI, ms		40
	Coding t	type	TC
	CRC, bit		16
	Max nun	nber of bits/TTI after channel coding	8076
	RM attril	bute	125-165

6.10.2.4.1.58.2.1.2 Transport channel parameters for Interactive or background / DL:8 kbps / PS RAB See clause 6.10.2.4.1.38b.2.1.1.

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

6.10.2.4.1.58.2.1.4 TFCS

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

6.10.2.4.1.58.2.2 Physical channel parameters

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

6.10.2.4.2 Combinations on PDSCH and DPCH

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

6.10.2.4.2.1.1 Uplink

See clause 6.10.2.4.1.24.1.

6.10.2.4.2.1.2 Downlink

6.10.2.4.2.1.2.1 Transport channel parameters

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

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

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.2.1.2.1.3 TFCS

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

6.10.2.4.2.1.2.2 Physical channel parameters

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

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

6.10.2.4.2.2.1 Uplink

See clause 6.10.2.4.1.24.1.

6.10.2.4.2.2.2 Downlink

6.10.2.4.2.2.2.1 Transport channel parameters

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

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

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.2.2.2.1.3 TFCS

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

6.10.2.4.2.2.2.2 Physical channel parameters

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

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

6.10.2.4.2.3.1 Uplink

See clause 6.10.2.4.1.24.1.

6.10.2.4.2.3.2 Downlink

6.10.2.4.2.3.2.1 Transport channel parameters

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

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

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

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

See clause 6.10.2.4.1.2.2.1.1

6.10.2.4.2.3.2.1.3 TFCS

PDSCH	TFCS size	11 (alt.19)
	TFCS	2048 kbps RAB = TF0, TF1, TF2, TF3, TF4, TF5, TF6, TF7, TF8, TF9, TF10 (alt. TF0, TF1, TF2, TF3, TF4, TF5, TF6, TF7, TF8, TF9, TF10, TF11, TF12, TF13, TF14, TF15, TF16, TF17, TF18)
DPCH Downlink	TFCS size	2
associated with PDSCH	TFCS	SRBs for DCCH = TF0, TF1

6.10.2.4.2.3.2.2 Physical channel parameters

PDSCH	RAB or SRB, TrCh		Interactive or background / 2048 kbps / PS RAB, DSCH
	DTX position	n	N/A (SingleTrCH)
	Minimum spreading factor		4
DPCH	RAB or SRB, TrCh		3.4 kbps SRB for DCCH, DCH
Downlink	DTX position		N/A (SingleTrCH)
associated	Spreading factor		256
with	DPCCH	Number of TFCI bits/slot	2
PDSCH		Number of TPC bits/slot	2
		Number of Pilot bits/slot	4
	DPDCH	Number of data bits/slot	12
		Number of data bits/frame	180

6.10.2.4.2.4 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.2.4.1 Uplink

See clause 6.10.2.4.1.40.1.

6.10.2.4.2.4.2 Downlink

6.10.2.4.2.4.2.1 Transport channel parameters

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

See clause 6.10.2.4.1.4.2.1.1

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

See clause 6.10.2.4.2.1.2.1.1

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

See clause 6.10.2.4.1.2.2.1.1.

6.10.2.4.2.4.2.1.4 TFCS

PDSCH	TFCS	5 (alt.7)	
	size		
	TFCS	256 kbps RAB = TF0, TF1, TF2, TF3, TF4	
		(alt. TF0, TF1, TF2, TF3, TF4, TF5, TF6)	
DPCH	TFCS	6	
Downlink	size		
associated	TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, DCCH) =	
with		(TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0), (TF2, TF1, TF1, TF0),	
PDSCH		(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF1)	

6.10.2.4.2.4.2.4 Physical channel parameters

PDSCH	RAB or SRB, TrCh		Interactive or background / 256 kbps / PS RAB, DSCH
	DTX position	on	N/A (SingleTrCH)
	Minimum spreading factor		4
DPCH Downlink	RAB or SRB, TrCh		Conversational / speech / 12.2 kbps / CS RAB, DCH + 3.4 kbps SRBs for DCCH. DCH
associated	DTX position		Fixed
with	Spreading factor		128
PDSCH	DPCCH	Number of TFCI bits/slot	2
		Number of TPC bits/slot	2
		Number of Pilot bits/slot	4
	DPDCH	Number of data bits/slot	32
		Number of data bits/frame	480

6.10.2.4.2.5 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.2.5.1 Uplink

See clause 6.10.2.4.1.40.1.

6.10.2.4.2.5.2 Downlink

6.10.2.4.2.5.2.1 Transport channel parameters

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

See clause 6.10.2.4.1.4.2.1.1.

6.10.2.4.2.5.2.1.2 Transport channel parameters for Interactive or background / DL:384 kbps / PS RAB See clause 6.10.2.4.2.2.2.1.1.

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

6.10.2.4.2.5.2.1.4 TFCS

PDSCH	TFCS	6 (alt.9)
	size	
	TFCS	384 kbps RAB = TF0, TF1, TF2, TF3, TF4, TF5
		(alt. TF0, TF1, TF2, TF3, TF4, TF5, TF6, TF7, TF8)
DPCH	TFCS	6
Downlink	size	
associated	TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, DCCH) =
with		(TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0), (TF2, TF1, TF1, TF0),
PDSCH		(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF1)

6.10.2.4.2.5.2.2 Physical channel parameters

PDSCH	RAB or SRB, TrCh		Interactive or background / 384 kbps / PS RAB	, DSCH
	DTX position		N/A (SingleTrCH)	
	Minimum spreading factor		8	
DPCH Downlink associated	RAB or SRB, TrCh		Conversational / speech / 12.2 kbps / CS RAB, DCH + 3.4 kbps SRBs for DCCH. DCH	
with	DTX posit	ion	Fixed	
PDSCH	SCH Spreading factor		128	
	DPCCH	Number of TFCI bits/slot	2	
		Number of TPC bits/slot	2	
		Number of Pilot bits/slot	4	
	DPDCH	Number of data bits/slot	32	
		Number of data bits/frame	480	

6.10.2.4.2.6 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.2.4.2.6.1 Uplink

See clause 6.10.2.4.1.40.1.

6.10.2.4.2.6.2 Downlink

6.10.2.4.2.6.2.1 Transport channel parameters

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

See clause 6.10.2.4.1.4.2.1.1.

6.10.2.4.2.6.2.1.2 Transport channel parameters for Interactive or background / DL:2048 kbps / PS RAB See clause 6.10.2.4.2.3.2.1.1.

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

6.10.2.4.2.6.2.1.4 TFCS

PDSCH	TFCS	11 (alt.19)
	size	
	TFCS	2048 kbps RAB =TF0, TF1, TF2, TF3, TF4, TF5, TF6, TF7, TF8, TF9, TF10
		(alt. TF0, TF1, TF2, TF3, TF4, TF5, TF6, TF7, TF8, TF9, TF10, TF11, TF12, TF13, TF14, TF15,
		TF16, TF17, TF18)
DPCH	TFCS	6
Downlink	size	
associated	TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, DCCH) =
with		(TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0), (TF2, TF1, TF1, TF0),
PDSCH		(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF1)

6.10.2.4.2.6.2.2 Physical channel parameters

PDSCH	RAB or SRB, TrCh		Interactive or background / 2048 kbps / PS R	RAB, DSCH
	DTX positi	on	N/A (SingleTrCH)	
	Minimum spreading factor		4	
DPCH Downlink associated	DPCH RAB or SRB, TrCh Downlink		Conversational / speech / 12.2 kbps / CS RAB, DCH + 3.4 kbps SRBs for DCCH. DCH	
with	DTX positi	on	Fixed	
PDSCH	Spreading factor		128	
	DPCCH	Number of TFCI bits/slot	2	
		Number of TPC bits/slot	2	
		Number of Pilot bits/slot	4	
	DPDCH	Number of data bits/slot	32	
		Number of data bits/frame	480	

6.10.2.4.3 Combinations on SCCPCH

6.10.2.4.3.1 Stand-alone signalling RB for PCCH

6.10.2.4.3.1.1 Transport channel parameters

6.10.2.4.3.1.1.1 Transport channel parameter of SRB for PCCH

Higher layer	RAB/signalling RB	SRB		
	User of Radio Bearer	RRC		
RLC	Logical channel type	PCCH		
	RLC mode	TM		
	Payload sizes, bit	240 (alt. 80)		
	Max data rate, bps	24000 (alt. 8000)		
	TrD PDU header, bit	0		
MAC	MAC header, bit	0		
	MAC multiplexing	N/A		
Layer 1	TrCH type	PCH		
	TB sizes, bit	240 (alt. 80)		
	TFS TF0, bts	0x240 (alt. 0x80)		
	TF1, bits	1x240 (alt. 1x80)		
	TTI, ms	10		
	Coding type	CC ½		
	CRC, bit	16		
	Max number of bits/TTI before rate matching	528 (alt. 208)		
	RM attribute	210-250		

6.10.2.4.3.1.1.2 TFCS

TFCS size	2
TFCS	SRBs for PCCH = TF0, TF1

6.10.2.4.3.1.2 Physical channel parameters

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

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

6.10.2.4.3.2.1 Transport channel parameters

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

Higher	RAB/signalling RB	RAB
layer	User of Radio Bearer	Interactive/ Background RAB
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	32000
	AMD PDU header, bit	16
MAC	MAC header, bit	24
IVIAC	MAC multiplexing	N/A
Layer 1	TrCH type	FACH
	TB sizes, bit	360
	TFS TF0, bits	0x360
	TF1, bits	1x360
	TTI, ms	10
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI before rate matching	1140
	RM attribute	110-150

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

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

6.10.2.4.3.2.1.3 TFCS

TFCS size)	4, 5, or 6
TFCS		(32kbps RAB, SRBs for CCCH/DCCH/BCCH) = (TF0, TF0), (TF0, TF1), (TF0, TF2),
		[TF0, TF3] (note), (TF1, TF0), [TF1, TF1] (note)
NOTE:	These TF	Cs are available only if SCCPCH can be allocated bigger Tx power than required Tx power for
	TFC of (T	F0, TF2).

6.10.2.4.3.2.2 Physical channel parameters

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

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

6.10.2.4.3.3.1 Transport channel parameters

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

See clause 6.10.2.4.3.2.1

6.10.2.4.3.3.1.2 Transport channel parameters of SRB for PCCH

See clause 6.10.2.4.3.1.1

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

See clause 6.10.2.4.3.2.1.2

6.10.2.4.3.3.1.4 TFCS

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

6.10.2.4.3.3.2 Physical channel parameters

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

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

6.10.2.4.3.4.1 Transport channel parameters

6.10.2.4.3.4.1.1 Transport channel parameters of RB for CTCH

Higher layer	RAB/signalling RB		N/A
	User of Radio Bearer		BMC
RLC	Logical channel type		CTCH
	RLC mode		UM
	Payload sizes, bit		152
	Max data rate, bps		15200
	UMD PDU header, b	it	8
MAC	MAC header, bit		8
	MAC multiplexing		N/A
Layer 1	TrCH type		FACH
	TB sizes, bit		168
	TFS	ΓF0, bts	0x168
		ΓF1, bits	1x168
	TTI, ms		10
	Coding type		CC 1/3
	CRC, bit		16
	Max number of bits/1	TTI before rate	576
	matching		
	RM attribute		200-240

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

Higher	RAB/signalli	ng RB	SRB#0	SRB#5	
layer	User of Rad	io Bearer	RRC	RRC	
RLC	Logical channel type		CCCH	BCCH	
	RLC mode		UM	TM	
	Payload size	es, bit	152	166	
	Max data ra	te, bps	15200	16600	
	AMD/UMD/	ΓrD PDU header,	8	0	
	bit				
MAC	MAC header, bit		8	2	
IVIAC	MAC multiplexing		2 logical channel multiplexing		
Layer 1	TrCH type		FACH		
	TB sizes, bit	t	168		
	TFS	TF0, bits	0x168		
	1173	TF1, bits	1x168		
	TTI, ms		10		
	Coding type		CC 1/3		
	CRC, bit		16		
	Max number of bits/TTI		576		
	before rate i	matching			
	RM attribute)	200-240		

6.10.2.4.3.4.1.3 TFCS

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

6.10.2.4.3.4.2 Physical channel parameters

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

6.10.2.4.4 Combinations on PRACH

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

6.10.2.4.4.1.1 Transport channel parameters

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

Higher	RAB/signalling RB	RAB	SRB#0	SRB#1	SRB#2	SRB#3	SRB#4	
layer	User of Radio Bearer	Interactive/ Background RAB	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio	
RLC	Logical channel type	DTCH	CCCH	DCCH	DCCH	DCCH	DCCH	
	RLC mode	AM	TM	UM	AM	AM	AM	
	Payload sizes, bit	320	166	136	128	128	128	
	Max data rate, bps	32000	16600	13600	12800	12800	12800	
	AMD/UMD/TrD PDU header, bit	16	0	8	16	16	16	
MAC	MAC header, bit	24	2	24	24	24	24	
	MAC multiplexing	6 logical channel multiplexing						
	TrCH type			RAG	CH			
	TB sizes, bit	360	168	168	168	168	168	
	TFS TF0, bits	1x168						
	TF1, bits			1x3	860			
	TTI, ms			20 (al	t. 10)			
	Coding type			CC	1/2			
	CRC, bit			10	6			
	Max number of bits/TTI after channel coding	768	384	384	384	384	384	
	Max number of bits/ Radio frame before rate matching	384 (alt. 768)	192 (alt. 384)	192 (alt. 384)	192 (alt. 384)	192 (alt. 384)	192 (alt. 384)	

6.10.2.4.4.1.1.2 TFCS

TFCS siz	e 2	2
TFCS	3	32 kbps + SRBs for CCCH/ DCCH = TF0, TF1

6.10.2.4.4.1.2 Physical channel parameters

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

6.10.3 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

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

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

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

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

6.10.3.4 Typical radio parameter sets

6.10.3.4.1 Combinations on DPCH

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

6.10.3.4.1.1.1 Uplink

6.10.3.4.1.1.1 Transport channel parameters

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

Higher layer	RAB/signalling RB		SRB#1	SRB#2	SRB#3	SRB#4	
	User of Radio Bear	er	RRC	RRC	NAS_DT	NAS_DT	
					High prio	Low prio	
RLC	Logical channel typ	е	DCCH	DCCH	DCCH	DCCH	
	RLC mode		UM	AM	AM	AM	
	Payload sizes, bit		136	128	128	128	
	Max data rate, bps		1700	1600	1600	1600	
	AMD/UMD PDU header, bit		8	16	16	16	
MAC	MAC header, bit		4	4	4	4	
	MAC multiplexing 4 logical chann		4 logical chann	el multiplexing			
Layer 1	TrCH type		DCH				
	TB sizes, bit		148				
	TFS	TFS TF0, bits		0x148			
		TF1, bits	1x148				
	TTI, ms		80				
	Coding type		CC 1/3				
	CRC, bit		16				
	Max number of bits/TTI before rate		516				
	matching						
	Max number of bits	/radio frame before		6	5		
	rate matching						

6.10.3.4.1.1.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

6.10.3.4.1.1.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	238
	TFCI code word	4 bit
	TPC	2 bit
	Puncturing Limit	1

6.10.3.4.1.1.2 Downlink

6.10.3.4.1.1.2.1 Transport channel parameters

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

Higher layer	RAB/signalling RB	RAB/signalling RB		SRB#2	SRB#3	SRB#4	
	User of Radio Bear	User of Radio Bearer		RRC	NAS_DT	NAS_DT	
					High prio	Low prio	
RLC	Logical channel typ	е	DCCH	DCCH	DCCH	DCCH	
	RLC mode		UM	AM	AM	AM	
	Payload sizes, bit		136	128	128	128	
	Max data rate, bps		1700	1600	1600	1600	
	AMD/UMD PDU he	AMD/UMD PDU header, bit		16	16	16	
MAC	MAC header, bit	MAC header, bit		4	4	4	
	MAC multiplexing		4 logical channel multiplexing				
Layer 1	TrCH type	TrCH type		DCH			
	TB sizes, bit	TB sizes, bit		148			
	TFS	TFS TF0, bits		0 x148			
		TF1, bits		1x1	48		
	TTI, ms	TTI, ms		80			
	Coding type	Coding type		CC 1/3			
	CRC, bit			16			
	Max number of bits matching	Max number of bits/TTI before rate matching		5′	16		
	Max number of bits rate matching	Max number of bits/radio frame before rate matching		6	5		

6.10.3.4.1.1.2.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

6.10.3.4.1.1.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	240 bits
	TFCI code word	4 bits
	Puncturing limit	1

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

6.10.3.4.1.2.1 Uplink

6.10.3.4.1.2.1.1 Transport channel parameters

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

Higher layer	RAB/signalling RB	RAB/signalling RB		SRB#2	SRB#3	SRB#4		
	User of Radio Bearer	User of Radio Bearer		RRC	NAS_DT	NAS_DT		
					High prio	Low prio		
RLC	Logical channel type		DCCH	DCCH	DCCH	DCCH		
	RLC mode		UM	AM	AM	AM		
	Payload sizes, bit		136	128	128	128		
	Max data rate, bps		3400	3200	3200	3200		
	AMD/UMD PDU heade	r, bit	8	16	16	16		
MAC	MAC header, bit	MAC header, bit		4	4	4		
	MAC multiplexing	MAC multiplexing		4 logical channel multiplexing				
Layer 1	TrCH type	TrCH type		DCH				
	TB sizes, bit	TB sizes, bit		148				
	TFS T	TF0, bits		0x148				
	T	F1, bits		1x1	48			
	TTI, ms	TTI, ms		4	0			
	Coding type	Coding type		CC 1/3				
	CRC, bit		16					
	Max number of bits/TTI	before rate	516					
	matching							
	Max number of bits/rad	lio frame before		12	29			
	rate matching							
	RM attribute			155-	165			

6.10.3.4.1.2.1.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

6.10.3.4.1.2.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	238 bits
	TFCI code word	4 bits
	TPC	2 bit
	Puncturing Limit	1

6.10.3.4.1.2.2 Downlink

6.10.3.4.1.2.2.1 Transport channel parameters

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

Higher layer	RAB/signalling RB	RAB/signalling RB		SRB#2	SRB#3	SRB#4	
	User of Radio Bear	User of Radio Bearer		RRC	NAS_DT	NAS_DT	
					High prio	Low prio	
RLC	Logical channel typ	е	DCCH	DCCH	DCCH	DCCH	
	RLC mode		UM	AM	AM	AM	
	Payload sizes, bit		136	128	128	128	
	Max data rate, bps		3400	3200	3200	3200	
	AMD/UMD PDU he	ader, bit	8	16	16	16	
MAC	MAC header, bit	MAC header, bit		4	4	4	
	MAC multiplexing		4 logical channel multiplexing				
Layer 1	TrCH type	TrCH type		DCH			
	TB sizes, bit			148			
	TFS	TFS TF0, bits		0x148			
		TF1, bits		1x1	48		
	TTI, ms	TTI, ms		4	0		
	Coding type	oding type		CC 1/3			
	CRC, bit		16				
	Max number of bits	Max number of bits/TTI before rate		516			
	matching						
	Max number of bits	/radio frame before		12	29		
	rate matching						
	RM attribute			155-	·165		

6.10.3.4.1.2.2.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

6.10.3.4.1.2.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	240
	TFCI code word	4 bits
	Puncturing limit	1

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

6.10.3.4.1.3.1 Uplink

6.10.3.4.1.3.1.1 Transport channel parameters

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

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

6.10.3.4.1.3.1.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

6.10.3.4.1.3.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 cips
	Codes and time slots	SF8 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	476 bits
	TFCI code word	4 bits
	TPC	2 bits
	Puncturing Limit	0.92

6.10.3.4.1.3.2 Downlink

6.10.3.4.1.3.2.1 Transport channel parameters

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

Higher layer	RAB/signalling RB		SRB#1	SRB#2	SRB#3	SRB#4	
	User of Radio Bear	User of Radio Bearer		RRC	NAS_DT	NAS_DT	
					High prio	Low prio	
RLC	Logical channel typ	е	DCCH	DCCH	DCCH	DCCH	
	RLC mode		UM	AM	AM	AM	
	Payload sizes, bit		136	128	128	128	
	Max data rate, bps		13600	12800	12800	12800	
	AMD/UMD PDU he	eader, bit	8	16	16	16	
MAC	MAC header, bit		4	4	4	4	
	MAC multiplexing	MAC multiplexing		4 logical channel multiplexing			
Layer 1	TrCH type	TrCH type		DCH			
	TB sizes, bit	TB sizes, bit		148			
	TFS	TF0, bits	0x148				
		TF1, bits		1x1	48		
	TTI, ms		10				
	Coding type		CC 1/3				
	CRC, bit		16				
	Max number of bits matching	/TTI before rate		51	6		
	Max number of bits rate matching	Max number of bits/radio frame before rate matching		51	6		

6.10.3.4.1.3.2.1.2 TFCS

TFCS size	2
TFCS	SRBs for DCCH = TF0, TF1

6.10.3.4.1.3.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 2 codes x 1 time slot
	Max. Number of data bits/radio frame	484 bits
	TFCI code word	4 bits
	Puncturing limit	0.92

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

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

Higher Layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3
RLC	Logical channel type		DTCH	•
	RLC mode	TM	TM	TM
	Payload sizes, bit	39, 81 (alt. 0, 39, 81)	103	60
	Max data rate, bps	, , , , ,	12200	
	TrD PDU header, bit		0	
ИАС	MAC header, bit		0	
	MAC multiplexing		N/A	
Layer 1	TrCH type	DCH	DCH	DCH
	TB sizes, bit	39, 81 (alt. 0, 39, 81)	103	60
	TFS TF0, bits	0x81(alt. 1x0) (note)	0x103	0x60
	TF1, bits	1x39	1x103	1x60
	TF2, bits	1x81	N/A	N/A
	TTI, ms	20	20	20
	Coding type	CC 1/3	CC 1/3	CC ½
	CRC, bit	12	N/A	N/A
	Max number of bits/TTI after channel coding	303	333	136
	Max number of bits/radio frame before rate matching	152	167	68
	RM attribute	180-220	170-210	215-256

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

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

See clause 6.10.3.4.1.2.1.1.

6.10.3.4.1.4.1.1.3 TFCS

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

6.10.3.4.1.4.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF8 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	452 bits
	TFCI code word	16 bits
	TPC	2 bit
	Puncturing Limit	0.84

6.10.3.4.1.4.2 Downlink

6.10.3.4.1.4.2.1 Transport channel parameters

6.10.3.4.1.4.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

Higher Layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3
RLC	Logical channel type		DTCH	
	RLC mode	TM	TM	TM
	Payload sizes, bit	0, 39, 81	103	60
	Max data rate, bps		12200	
	TrD PDU header, bit		0	
MAC	MAC header, bit		0	
	MAC multiplexing		N/A	
Layer 1	TrCH type	DCH	DCH	DCH
	TB sizes, bit	0 39 81	103	60
	TFS TF0, bits	1x0 (note 2)	0x103	0x60
	(note 1) TF1, bits	1x39	1x103	1x60
	TF2, bits	1x81	N/A	N/A
	TTI, ms	20	20	20
	Coding type	CC 1/3	CC 1/3	CC ½
	CRC, bit	12	N/A	N/A
	Max number of bits/TTI after channel coding	303	333	136
	Max number of bits/radio frame before rate matching	152	167	68
	RM attribute	180-220	170-210	215-256

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

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

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.4.2.1.3 **TFCS**

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

6.10.3.4.1.4.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 2 codes x 1 time slot
	Max. Number of data bits/radio frame	472 bits
	TFCI code word	16 bits
	Puncturing limit	0.88

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

6.10.3.4.1.5.1 Uplink

6.10.3.4.1.5.1.1 Transport channel parameters

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

Higher Layer	RAB/Sigi	nalling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3
RLC	Logical channel type			DTCH	
	RLC mod		TM	TM	TM
	Payload sizes, bit		39, 65 (alt. 0, 39, 65)	99	40
	Max data	rate, bps		10200	
	TrD PDU	header, bit		0	
MAC	MAC hea	ader, bit		0	
	MAC multiplexing			N/A	
Layer 1	TrCH type		DCH	DCH	DCH
	TB sizes, bit		39, 65 (alt. 0, 39, 65)	99	40
	TFS	TF0, bits	0x65 (alt. 1x0) (note)	0x99	0x40
		TF1, bits	1x39	1x99	1x40
		TF2, bits	1x65	N/A	N/A
	TTI, ms		20	20	20
	Coding ty	/ре	CC 1/3	CC 1/3	CC ½
	CRC, bit		12	N/A	N/A
	Max number of bits/TTI after channel coding		255	321	96
		ber of bits/radio frame te matching	128	161	48
	RM attrib		180-220	170-210	215-256

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

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.5.1.1.3 TFCS

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

6.10.3.4.1.5.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	226 bits
	TFCI code word	16 bits
	TPC	2 bit
	Puncturing Limit	0.48

6.10.3.4.1.5.2 Downlink

6.10.3.4.1.5.2.1 Transport channel parameters

6.10.3.4.1.5.2.1.1 Transport channel parameters for Conversational / speech / DL:10.2 kbps / CS RAB

Higher Layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	RAB subflow #3	
RLC	Logical channel type		DTCH		
	RLC mode	TM	TM	TM	
	Payload sizes, bit	0, 39, 65	99	40	
	Max data rate, bps		10200		
	TrD PDU header, bit		0		
MAC	MAC header, bit		0		
	MAC multiplexing		N/A		
Layer 1	TrCH type	DCH	DCH	DCH	
	TB sizes, bit	0 39 65	99	40	
	TFS TF0, bits	1x0 (note 2)	0x99	0x40	
	(note 1) TF1, bits	1x39	1x99	1x40	
	TF2, bits	1x65	N/A	N/A	
	TTI, ms	20	20	20	
	Coding type	CC 1/3	CC 1/3	CC ½	
	CRC, bit	12	N/A	N/A	
	Max number of bits/TTI after channel coding	255	321	96	
	Max number of bits/radio frame before rate matching	128	161	48	
	RM attribute	180-220	170-210	215-256	

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

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

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.5.2.1.3 **TFCS**

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

6.10.3.4.1.5.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	228 bits
	TFCI code word	16 bits
	Puncturing limit	0,48

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

6.10.3.4.1.6.1 Uplink

6.10.3.4.1.6.1.1 Transport channel parameters

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

Higher	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	
Layer				
RLC	Logical channel type	DTC	DTCH	
	RLC mode	TM	TM	
	Payload sizes, bit	39, 75 (alt. 0, 39, 75)	84	
	Max data rate, bps	795	50	
	TrD PDU header, bit	0		
MAC	MAC header, bit	0		
	MAC multiplexing	N/A		
Layer 1	TrCH type	DCH	DCH	
	TB sizes, bit	39, 75 (alt. 0, 39, 75)	84	
	TFS TF0, bits	0x75 (alt. 1x0) (note)	0x84	
	TF1, bits	1x39	1x84	
	TF2, bits	1x75	N/A	
	TTI, ms	20	20	
	Coding type	CC 1/3	CC 1/3	
	CRC, bit	12	N/A	
	Max number of bits/TTI after channel coding	285	276	
	Max number of bits/radio frame before rate	143	138	
	matching			
	RM attribute	180-220	170-210	
NOTE:	In case of using this alternative, CRC parity bits are	to be attached to RAB subflow	v#1 any time since numb	
	of TrBlks are 1 even if there is no data on RAB subf	low#1 (see clauses 4.2.1.1 in	TS 25.212).	

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

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.6.1.1.3 TFCS

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

6.10.3.4.1.6.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	226 bits
TFCI code word		16 bits
	TPC	2 bits
	Puncturing Limit	0.52

6.10.3.4.1.6.2 Downlink

6.10.3.4.1.6.2.1 Transport channel parameters

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

Higher Layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	
RLC	Logical channel type	DT	DTCH	
	RLC mode	TM	TM	
	Payload sizes, bit	0, 39, 75	84	
	Max data rate, bps	79	50	
	TrD PDU header, bit	()	
MAC	MAC header, bit	()	
	MAC multiplexing	N/A		
Layer 1	TrCH type	DCH	DCH	
	TB sizes, bit	0, 39, 75	84	
	TFS TF0, bits	1x0 (note 2)	0x84	
	(note 1) TF1, bits	1x39	1x84	
	TF2, bits	1x75	N/A	
	TTI, ms	20	20	
	Coding type	CC 1/3	CC 1/3	
	CRC, bit	12	N/A	
	Max number of bits/TTI after channel coding	285	276	
	Max number of bits/radio frame before rate	143	138	
	matching RM attribute	180-220	170-210	

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

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

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

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.6.2.1.3 TFCS

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

6.10.3.4.1.6.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	228 bits
	TFCI code word	16 bits
	Puncturing limit	0,52

6.10.3.4.1.7 Conversational / speech / UL:7.4 DL:7.4 kbps / CS RAB+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.7.1 Uplink

6.10.3.4.1.7.1.1 Transport channel parameters

6.10.3.4.1.7.1.1.1 Transport channel parameters for Conversational / speech / UL:7.4 kbps / CS RAB

Higher Layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	
RLC	Logical channel type	DT	DTCH	
	RLC mode	TM	TM	
	Payload sizes, bit	39, 61 (alt. 0, 39, 61)	87	
	Max data rate, bps	74	7400	
	TrD PDU header, bit)	
MAC	MAC header, bit)	
	MAC multiplexing	N	/A	
Layer 1	TrCH type	DCH	DCH	
	TB sizes, bit	39, 61 (alt. 0, 39, 61)	87	
	TFS TF0, bits	0x61 (alt. 1x0) (note)	0x87	
	TF1, bits	1x39	1x87	
	TF2, bits	1x61	N/A	
	TTI, ms	20	20	
	Coding type	CC 1/3	CC 1/3	
	CRC, bit	12	N/A	
	Max number of bits/TTI after channel coo	ding 243	285	
	Max number of bits/radio frame before ra	ite 122	143	
	matching			
	RM attribute	180-220	170-210	
	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).			

6.10.3.4.1.7.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.7.1.1.3 TFCS

TFCS size	6
TFCS	(RAB subflow#1, RAB subflow#2, DCCH)=
	(TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0),
	(TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

6.10.3.4.1.7.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	226 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.56

6.10.3.4.1.7.2 Downlink

6.10.3.4.1.7.2.1 Transport channel parameters

6.10.3.4.1.7.2.1.1 Transport channel parameters for Conversational / speech / DL:7.4 kbps / CS RAB

Higher Layer	RAB/Signa	alling RB	RAB subflow #1	RAB subflow #2	
RLC	Logical ch	annel type	DT	DTCH	
	RLC mode	e	TM	TM	
	Payload s	izes, bit	0, 39, 61	87	
	Max data	rate, bps	74	00	
	TrD PDU I	header, bit	()	
MAC	MAC header, bit		()	
	MAC multiplexing		N/	/A	
Layer 1	TrCH type		DCH	DCH	
	TB sizes,	bit	0, 39, 61	87	
	TFS	TF0, bits	1x0 (note 2)	0x87	
	(note 1)	TF1, bits	1x39	1x87	
		TF2, bits	1x61	N/A	
	TTI, ms		20	20	
	Coding type		CC 1/3	CC 1/3	
	CRC, bit		12	N/A	
	Max numb	per of bits/TTI after channel coding	243	285	
	Max numb matching	per of bits/radio frame before rate	122	143	
	RM attribu	ıte	180-220	170-210	

NOTE 1: The TrCH corresponding to RAB subflow #1 should be used as the guiding TrCH, (see clause 4.3 in TS 25.212).

NOTE 2: CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB #1 (see clause 4.2.1.1 in TS 25.212).

6.10.3.4.1.7.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.7.2.1.3 TFCS

TFCS size	6
TFCS	(RAB subflow#1, RAB subflow#2, DCCH)=
	(TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0),
	(TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

6.10.3.4.1.7.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	228 bits
	TFCI code word	16 bits
	Puncturing limit	0,56

6.10.3.4.1.8 Conversational / speech / UL:6.7 DL:6.7 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.8.1 Uplink

6.10.3.4.1.8.1.1 Transport channel parameters

6.10.3.4.1.8.1.1.1 Transport channel parameters for Conversational / speech / UL:6.7 kbps / CS RAB

Higher Layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	
RLC	Logical channel type	DTO	DTCH	
	RLC mode	TM	TM	
	Payload sizes, bit	39, 58 (alt. 0, 39, 58)	76	
	Max data rate, bps	670	6700	
	TrD PDU header, bit	0		
MAC	MAC header, bit	0		
	MAC multiplexing	N/.	N/A	
Layer 1	TrCH type	DCH	DCH	
	TB sizes, bit	39, 58 (alt. 0, 39, 58)	76	
	TFS TF0, bits	0x58 (alt. 1x0) (note)	0x76	
	TF1, bits	1x39	1x76	
	TF2, bits	1x58	N/A	
	TTI, ms	20	20	
	Coding type	CC 1/3	CC 1/3	
	CRC, bit	12	N/A	
	Max number of bits/TTI after channel coding	234	252	
	Max number of bits/radio frame before rate	117	126	
	matching			
	RM attribute	180-220	170-210	
NOTE:	In case of using this alternative, CRC parity bits are		•	
	of TrBlks are 1 even if there is no data on RAB subf	low#1 (see clause 4.2.1.1 in T	S 25.212).	

6.10.3.4.1.8.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.8.1.1.3 TFCS

TFCS size	6
TFCS	(RAB subflow#1, RAB subflow#2, DCCH)=
	(TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0),
	(TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

6.10.3.4.1.8.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	226 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.60

6.10.3.4.1.8.2 Downlink

6.10.3.4.1.8.2.1 Transport channel parameters

6.10.3.4.1.8.2.1.1 Transport channel parameters for Conversational / speech / DL:6.7 kbps / CS RAB

Higher Layer	RAB/Signa	alling RB	RAB subflow #1	RAB subflow #2
RLC	Logical channel type		DT	CH
	RLC mode		TM	TM
	Payload si	zes, bit	0, 39, 58	76
	Max data i	ate, bps	6700	
	TrD PDU ł	neader, bit		0
MAC	MAC head	ler, bit		0
	MAC multiplexing		N	/A
Layer 1	TrCH type		DCH	DCH
	TB sizes, bit		0	76
			39	
			58	
	TFS	TF0, bits	1x0 (note 2)	0x76
	(note 1)	TF1, bits	1x39	1x76
		TF2, bits	1x58	N/A
	TTI, ms		20	20
	Coding typ	oe e	CC 1/3	CC 1/3
	CRC, bit		12	N/A
	Max number of bits/TTI after channel coding		234	252
	Max number of bits/radio frame before rate matching		117	126
	RM attribu	te	180-220	170-210

NOTE 1: The TrCH corresponding to RAB subflow #1 should be used as the guiding TrCH, (see clause 4.3 in TS 25.212).

NOTE 2: CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).

6.10.3.4.1.8.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.8.2.1.3 TFCS

TFCS size	6
TFCS	(RAB subflow#1, RAB subflow#2, DCCH)=
	(TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0),
	(TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

6.10.3.4.1.8.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	228 bits
	TFCI code word	16 bits
	Puncturing limit	0,6

6.10.3.4.1.9 Conversational / speech / UL:5.9 DL:5.9 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.9.1 Uplink

6.10.3.4.1.9.1.1 Transport channel parameters

6.10.3.4.1.9.1.1.1 Transport channel parameters for Conversational / speech / UL:5.9 kbps / CS RAB

Higher	RAB/Signalling RB	RAB subflow #1	RAB subflow #2
∟ayer			
RLC	Logical channel type	DTO	CH
	RLC mode	TM	TM
	Payload sizes, bit	39, 55 (alt. 0, 39, 55)	63
	Max data rate, bps	590	00
	TrD PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	DCH
	TB sizes, bit	39, 55 (alt. 0, 39, 55)	63
	TFS TF0, bits	0x55 (alt. 1x0) (note)	0x63
	TF1, bits	1x39	1x63
	TF2, bits	1x55	N/A
	TTI, ms	20	20
	Coding type	CC 1/3	CC 1/3
	CRC, bit	12	N/A
	Max number of bits/TTI after channel coding	225	213
	Max number of bits/radio frame before rate	113	107
	matching		
	RM attribute	180-220	170-210

NOTE: In case of using this alternative, CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).

6.10.3.4.1.9.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.9.1.1.3 TFCS

TFCS size	6
TFCS	(RAB subflow#1, RAB subflow#2, DCCH)=
	(TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

6.10.3.4.1.9.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	226 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.64

6.10.3.4.1.9.2 Downlink

6.10.3.4.1.9.2.1 Transport channel parameters

6.10.3.4.1.9.2.1.1 Transport channel parameters for Conversational / speech / DL:5.9 kbps / CS RAB

Higher Layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2
RLC	Logical channel type	DTO	CH
	RLC mode	TM	TM
	Payload sizes, bit	0, 39, 55	63
	Max data rate, bps	590	00
	TrD PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	DCH
	TB sizes, bit	0, 39, 55	63
	TFS TF0, bits	1x0 (note 2)	0x63
	(note 1) TF1, bits	1x39	1x63
	TF2, bits	1x55	N/A
	TTI, ms	20	20
	Coding type	CC 1/3	CC 1/3
	CRC, bit	12 N/A	
	Max number of bits/TTI after channel coding	225	213
	Max number of bits/radio frame before rate matching	113	107
	RM attribute	180-220	170-210

NOTE 1: The TrCH corresponding to RAB subflow #1 should be used as the guiding TrCH, (see clause 4.3 in TS 25.212).

NOTE 2: CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).

6.10.3.4.1.9.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.9.2.1.3 TFCS

TFCS size	6
TFCS	(RAB subflow#1, RAB subflow#2, DCCH)= (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

6.10.3.4.1.9.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	228 bits
	TFCI code word	16 bits
	Puncturing limit	0,64

6.10.3.4.1.10 Conversational / speech / UL:5.15 DL:5.15 kbps / CS RAB + UL:1.7 DL:1.7 kbps SRBs for DCCH

6.10.3.4.1.10.1 Uplink

6.10.3.4.1.10.1.1 Transport channel parameters

Transport channel parameters for Conversational / speech / UL:5.15 kbps / CS RAB 6.10.3.4.1.10.1.1

Higher Layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2	
RLC	Logical channel type	DTO	DTCH	
	RLC mode	TM	TM	
	Payload sizes, bit	39, 49 (alt. 0, 39, 49)	54	
	Max data rate, bps	515	50	
	TrD PDU header, bit	0		
MAC	MAC header, bit	0		
	MAC multiplexing	N/A		
Layer 1	TrCH type	DCH	DCH	
	TB sizes, bit	39, 49 (alt. 0, 39, 49)	54	
	TFS TF0, bits	0x49 (alt. 1x0) (note)	0x54	
	TF1, bits	1x39	1x54	
	TF2, bits	1x49	N/A	
	TTI, ms	20	20	
	Coding type	CC 1/3	CC 1/3	
	CRC, bit	12	N/A	
	Max number of bits/TTI after channel coding	207	186	
	Max number of bits/radio frame before rate	104	93	
	matching			
	RM attribute	180-220 170-210		

of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).

6.10.3.4.1.10.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.10.1.1.3 **TFCS**

TFCS size	6
TFCS	(RAB subflow#1, RAB subflow#2, DCCH)=
	(TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

6.10.3.4.1.10.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	226 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.68

6.10.3.4.1.10.2 Downlink

6.10.3.4.1.10.2.1 Transport channel parameters

6.10.3.4.1.10.2.1.1 Transport channel parameters for Conversational / speech / DL:5.15 kbps / CS RAB

Higher Layer	RAB/Signalling RE	3	RAB subflow #1	RAB subflow #2
RLC	Logical channel type		DT	СН
	RLC mode		TM	TM
	Payload sizes, bit		0, 39, 49	54
	Max data rate, bps	3	51	50
	TrD PDU header,	bit		0
MAC	MAC header, bit			0
	MAC multiplexing		N/A	
Layer 1	TrCH type		DCH	DCH
	TB sizes, bit		0, 39, 49	54
	TFS TF0,	oits	1x0 (note 2)	0x54
	(note 1) TF1, I	oits	1x39	1x54
	TF2, I	oits	1x49	N/A
	TTI, ms		20	20
	Coding type		CC 1/3	CC 1/3
	CRC, bit		12	N/A
	Max number of bits/TTI after channel coding		207	186
	Max number of bit matching	s/radio frame before rate	104	93
	RM attribute		180-220	170-210

NOTE 1: The TrCH corresponding to RAB subflow #1 should be used as the guiding TrCH, (see clause 4.3 in TS 25.212).

NOTE 2: CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).

6.10.3.4.1.10.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.10.2.1.3 TFCS

TFCS size	6
TFCS	(RAB subflow#1, RAB subflow#2, DCCH)= (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

6.10.3.4.1.10.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	228 bits
	TFCI code word	16 bits
	Puncturing limit	0.68

6.10.3.4.1.11 Conversational / speech / UL:4.75 DL:4.75 kbps / CS RAB + UL:1.7 DL:1.7 kbps SRBs for DCCH

6.10.3.4.1.11.1 Uplink

6.10.3.4.1.11.1.1 Transport channel parameters

6.10.3.4.1.11.1.1.1 Transport channel parameters for Conversational / speech / UL:4.75 kbps / CS RAB

Higher	RAB/Signalling RB	RAB subflow #1	RAB subflow #2
Layer			
RLC	Logical channel type	DTO	CH
	RLC mode	TM	TM
	Payload sizes, bit	39, 42 (alt. 0, 39, 42)	53
	Max data rate, bps	475	50
	TrD PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	DCH
	TB sizes, bit	39, 42 (alt. 0, 39, 42)	53
	TFS TF0, bits	0x42 (alt. 1x0) (note)	0x53
	TF1, bits	1x39	1x53
	TF2, bits	1x42	N/A
	TTI, ms	20	20
	Coding type	CC 1/3	CC 1/3
	CRC, bit	12	N/A
	Max number of bits/TTI after channel coding	186	183
	Max number of bits/radio frame before rate	93	92
	matching		
	RM attribute	180-220	170-210

NOTE: In case of using this alternative, CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).

6.10.3.4.1.11.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.11.1.3 TFCS

TFCS size	6
TFCS	(RAB subflow#1, RAB subflow#2, DCCH)= (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

6.10.3.4.1.11.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	226 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.68

6.10.3.4.1.11.2 Downlink

6.10.3.4.1.11.2.1 Transport channel parameters

6.10.3.4.1.11.2.1.1 Transport channel parameters for Conversational / speech / DL:4.75 kbps / CS RAB

Higher Layer	RAB/Signalling RB	RAB subflow #1	RAB subflow #2
RLC	Logical channel type	DTCH	
	RLC mode	TM	TM
	Payload sizes, bit	0, 39, 42	53
	Max data rate, bps	4750	
	TrD PDU header, bit	0	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	DCH
	TB sizes, bit	0, 39, 42	53
	TFS TF0, bits	1x0 (note 2)	0x53
	(note 1) TF1, bits	1x39	1x53
	TF2, bits	1x42	N/A
	TTI, ms	20	20
	Coding type	CC 1/3	CC 1/3
	CRC, bit	12	N/A
	Max number of bits/TTI after channel coding	186	183
	Max number of bits/radio frame before rate matching	93	92
	RM attribute	180-220	170-210

NOTE 1: The TrCH corresponding to RAB subflow #1 should be used as the guiding TrCH, (see clause 4.3 in TS 25.212).

NOTE 2: CRC parity bits are to be attached to RAB subflow#1 any time since number of TrBlks are 1 even if there is no data on RAB subflow#1 (see clause 4.2.1.1 in TS 25.212).

6.10.3.4.1.11.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.11.2.1.3 TFCS

TFCS size	6
TFCS	(RAB subflow#1, RAB subflow#2, DCCH)= (TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF1, TF0), (TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF1, TF1)

6.10.3.4.1.11.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	228 bits
	TFCI code word	16 bits
	Puncturing limit	0,72

6.10.3.4.1.12 Conversational / unknown / UL:28.8/DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.12.1 Uplink

6.10.3.4.1.12.1.1 Transport channel parameters

6.10.3.4.1.12.1.1.1 Transport channel parameters for conversational / unknown / UL:28.8 kbps / CS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	576
	Max data rate, bps	28800
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	576
	TFS TF0, bits	0x576
	TF1, bits	1x576
	TF2, bits	2x576
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	3564
	Max number of bits/radio frame before rate matching	891
	RM attribute	160-200

6.10.3.4.1.12.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.12.1.1.3 TFCS

TFCS size	6
TFCS	(28.8 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

6.10.3.4.1.12.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF8 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	452 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.44

6.10.3.4.1.12.2 Downlink

6.10.3.4.1.12.2.1 Transport channel parameters

6.10.3.4.1.12.2.1.1 Transport channel parameters for conversational / unknown / DL:28.8 kbps / CS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	576
	Max data rate, bps	28800
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	576
	TFS TF0, bits	0x576
	TF1, bits	1x576
	TF2, bits	2x576
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	3564
	Max number of bits/radio frame before rate matching	891
	RM attribute	160-200

6.10.3.4.1.12.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.12.2.1.3 TFCS

TFCS size	6
TFCS	(28.8 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

6.10.3.4.1.12.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 2 codes x 1 time slot
	Max. Number of data bits/radio frame	472 bits
	TFCI code word	16 bits
	Puncturing limit	0,44

6.10.3.4.1.13 Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.13.1 Uplink

6.10.3.4.1.13.1.1 Transport channel parameters

6.10.3.4.1.13.1.1.1 Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB

Higher	RAB/Signalling I	RB	RAB
Layer			DTOLL
RLC	Logical channel	type	DTCH
	RLC mode		TM
	Payload sizes, b	it	640
	Max data rate, b	ps	64000
	TrD PDU heade	r, bit	0
MAC	MAC header, bit		0
	MAC multiplexin	g	N/A
Layer 1	TrCH type		DCH
	TB sizes, bit		640
	TFS	TF0, bits	0x640
		TF1, bits	2x640(alt. 4x640)
	TTI, ms		20(alt. 40)
	Coding type		TC
	CRC, bit		16
	Max number of l	oits/TTI after channel coding	3948(alt. 7884)
	Max number of b	oits/radio frame before rate	1974(alt. 1971)
	matching		. ,
	RM attribute		150-195

6.10.3.4.1.13.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.13.1.1.3 TFCS

TFCS size	4
TFCS	(64 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.3.4.1.13.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	{SF16 x 1 code + SF4 x 1 code} x 1 time slot
	Max. Number of data	1210 bits
	TFCI code word	8 bits
	TPC	2 bits
	Puncturing Limit	0.56

6.10.3.4.1.13.2 Downlink

6.10.3.4.1.13.2.1 Transport channel parameters

6.10.3.4.1.13.2.1.1 Transport channel parameters for Conversational / unknown / DL:64 kbps / CS RAB

Higher	RAB/Signalling RB		RAB
Layer RLC	Logical channel type		DTCH
	RLC mode		TM
	Payload sizes, k	oit	640
	Max data rate, b		64000
	TrD PDU heade		0
MAC	MAC header, bi	t	0
	MAC multiplexing	ng	N/A
Layer 1	TrCH type		DCH
	TB sizes, bit		640
	TFS	TF0, bits	0x640
		TF1, bits	2x640(alt. 4x640)
	TTI, ms		20(alt. 40)
	Coding type		TC
	CRC, bit		16
	Max number of	bits/TTI after channel coding	3948(alt. 7884)
	Max number of	bits/radio frame before rate	1974(alt. 1971)
	matching		•
	RM attribute		150-195

6.10.3.4.1.13.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.13.2.1.3 TFCS

TFCS size	4
TFCS	(64 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.3.4.1.13.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 5 codes x 1 time slot
	Max. Number of data bits/radio frame	1212 bits
	TFCI code word	8 bits
	Puncturing limit	0,56

6.10.3.4.1.14 Conversational / unknown / UL:32 DL:32 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.14.1 Uplink

6.10.3.4.1.14.1.1 Transport channel parameters

6.10.3.4.1.14.1.1.1 Transport channel parameters for Conversational / unknown / UL:32 kbps / CS RAB

Higher	RAB/Signalling RB	RAB
Layer		
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	640
	Max data rate, bps	32000
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	640
	TFS TF0, bits	0x640
	TF1, bits	1x640(alt. 2x640)
	TTI, ms	20(alt. 40)
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	1980(alt. 3948)
	Max number of bits/radio frame before rate	990(alt. 987)
	matching	·
	RM attribute	165-210

6.10.3.4.1.14.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.13.1.1.3 TFCS

TFCS size	4
TFCS	(32 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.3.4.1.14.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF4 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	936 bits
	TFCI code word	8 bits
	TPC	2 bits
	Puncturing Limit	0.80

6.10.3.4.1.14.2 Downlink

6.10.3.4.1.14.2.1 Transport channel parameters

6.10.3.4.1.14.2.1.1 Transport channel parameters for Conversational / unknown / DL:32 kbps / CS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	640
	Max data rate, bps	32000
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
,	TB sizes, bit	640
	TFS TF0, bits	0x640
	TF1, bits	1x640(alt. 2x640)
	TTI, ms	20(alt. 40)
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	1980(alt. 3948)
	Max number of bits/radio frame before rate	990(alt. 987)
	matching	
	RM attribute	165-210

6.10.3.4.1.14.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.14.2.1.3 TFCS

TFCS size	4
TFCS	(32 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.3.4.1.14.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 3 codes x 1 time slot
	Max. Number of data bits/radio frame	724 bits
	TFCI code word	8 bits
	Puncturing limit	0,64

6.10.3.4.1.15 Streaming / unknown / UL:14.4/DL:14.4 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.15.1 Uplink

6.10.3.4.1.15.1.1 Transport channel parameters

6.10.3.4.1.15.1.1.1 Transport channel parameters for Streaming / unknown / UL: 14.4 kbps / CS RAB

Higher	RAB/Signalling RB	RAB
Layer		
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	576
	Max data rate, bps	14400
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	576
	TFS TF0, bits	0x576
	TF1, bits	1x576
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	1788
	Max number of bits/radio frame before rate	447
	matching	
	RM attribute	145-185

6.10.3.4.1.15.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.15.1.1.3 TFCS

TFCS size	4
TFCS	(14.4 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.3.4.1.15.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF8 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	468 bits
	TFCI code word	8 bits
	TPC	2 bits
	Puncturing Limit	0.80

6.10.3.4.1.15.2 Downlink

6.10.3.4.1.15.2.1 Transport channel parameters

6.10.3.4.1.15.2.1.1 Transport channel parameters for Streaming / unknown / DL:14.4 kbps / CS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	576
	Max data rate, bps	14400
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	576
	TFS TF0, bits	0x576
	TF1, bits	1x576
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	1788
	Max number of bits/radio frame before rate	447
	matching	
	RM attribute	145-185

6.10.3.4.1.15.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.15.2.1.3 TFCS

TFCS size	4
TFCS	(14.4 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.3.4.1.15.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 2 codes x 1 time slot
	Max. Number of data bits/radio frame	480 bits
	TFCI code word	8 bits
	Puncturing limit	0,8

6.10.3.4.1.16 Streaming / unknown / UL:28.8/DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs

for DCCH

6.10.3.4.1.16.1 Uplink

6.10.3.4.1.16.1.1 Transport channel parameters

6.10.3.4.1.16.1.1.1 Transport channel parameters for Streaming / unknown / UL:28.8 kbps / CS RAB

Higher	RAB/Signalling RB	RAB
Layer RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	576
	Max data rate, bps	28800
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	576
	TFS TF0, bits	0x576
	TF1, bits	1x576
	TF2, bits	2x576
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	3564
	Max number of bits/radio frame before rate matching	891
	RM attribute	135-175

6.10.3.4.1.16.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.16.1.1.3 TFCS

TFCS size	6
TFCS	(28.8kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

6.10.3.4.1.16.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF8 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	452 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.44

6.10.3.4.1.16.2 Downlink

6.10.3.4.1.16.2.1 Transport channel parameters

6.10.3.4.1.16.2.1.1 Transport channel parameters for Streaming / unknown / DL:28.8 kbps / CS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	576
	Max data rate, bps	28800
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	576
	TFS TF0, bits	0x576
	TF1, bits	1x576
	TF2, bits	2x576
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	3564
	Max number of bits/radio frame before rate matching	891
	RM attribute	135-175

6.10.3.4.1.16.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.16.2.1.3 TFCS

TFCS size	6
TFCS	(28.8kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)

6.10.3.4.1.16.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 2 codes x 1 time slot
	Max. Number of data bits/radio frame	472 bits
	TFCI code word	16 bits
	Puncturing limit	0,44

6.10.3.4.1.17 Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.17.1 Uplink

6.10.3.4.1.17.1.1 Transport channel parameters

6.10.3.4.1.17.1.1.1 Transport channel parameters for Streaming / unknown / UL:57.6 kbps / CS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	576
	Max data rate, bps	57600
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	576
	TFS TF0, bits	0x576
	TF1, bits	1x576
	TF2, bits	2x576
	TF3, bits	3x576
	TF4, bits	4x576
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	7116
	Max number of bits/radio frame before rate matching	1779
	RM attribute	125-165

6.10.3.4.1.17.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.17.1.1.3 TFCS

TFCS size	10
TFCS	(57.6 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.3.4.1.17.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF4 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	904 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.44

6.10.3.4.1.17.2 Downlink

6.10.3.4.1.17.2.1 Transport channel parameters

6.10.3.4.1.17.2.1.1 Transport channel parameters for Streaming / unknown / DL:57.6 kbps / CS RAB

Higher Layer	RAB/Signa	lling RB	RAB
RLC	Logical channel type		DTCH
	RLC mode		TM
	Payload siz	zes, bit	576
	Max data ra	ate, bps	57600
	TrD PDU h	eader, bit	0
MAC	MAC heade	er, bit	0
	MAC multiplexing		N/A
Layer 1	TrCH type		DCH
	TB sizes, bit		576
	TFS	TF0, bits	0x576
		TF1, bits	1x576
		TF2, bits	2x576
		TF3, bits	3x576
		TF4, bits	4x576
	TTI, ms		40
	Coding type		TC
	CRC, bit		16
	Max number of bits/TTI after channel coding		7116
	Max number of bits/radio frame before rate		1779
	matching		
	RM attribute		125-165

6.10.3.4.1.17.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.17.2.1.3 TFCS

TFCS size	10
TFCS	(57.6 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.3.4.1.17.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 4 codes x 1 time slot
	Max. Number of data bits/radio frame	960 bits
	TFCI code word	16 bits
	Puncturing limit	0,48

6.10.3.4.1.18 Streaming / unknown / UL:0 DL:64 kbps / CS or PS RAB + UL:3.4 DL:3.4 kbps SRBs

for DCCH

6.10.3.4.1.18.1 Uplink

6.10.3.4.1.18.1.1 Transport channel parameters

Transport channel parameters for Streaming / unknown / UL:0 kbps / CS or PS RAB 6.10.3.4.1.18.1.1.1

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

See clause 6.10.3.4.1.2.1.1.2.

6.10.3.4.1.18.1.2 Physical channel parameters

See clause 6.10.3.4.1.2.1.2.

6.10.3.4.1.18.2 Downlink

6.10.3.4.1.18.2.1 Transport channel parameters

6.10.3.4.1.18.2.1.1 Transport channel parameters for Streaming / unknown / DL:64 kbps / CS or PS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	320
	Max data rate, bps	64000
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	320
	TFS TF0, bits	0x320
	TF1, bits	1x320
	TF2, bits	2x320
	TF3, bits	4x320
	TF4, bits	8x320
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	8076
	Max number of bits/radio frame before rate	2019
	matching	
	RM attribute	125-165

Transport channel parameters for DL:3.4 kbps SRBs for DCCH 6.10.3.4.1.18.2.1.2

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.18.2.1.3 TFCS

TFCS size	10
TFCS	(64 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.3.4.1.18.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 5 codes x 1 time slot
	Max. Number of data bits/radio frame	1204 bits
	TFCI code word	16 bits
	Puncturing limit	0,56

6.10.3.4.1.19 Streaming / unknown / UL:64 DL:0 kbps / CS or PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.19.1 Uplink

6.10.3.4.1.19.1.1 Transport channel parameters

6.10.3.4.1.19.1.1.1 Transport channel parameters for Streaming / unknown / UL:64 kbps / CS or PS RAB

Higher Layer	RAB/Sig	gnalling RB	RAB
RLC	Logical channel type		DTCH
	RLC mo	ode	TM
	Payload	sizes, bit	320
	Max dat	a rate, bps	64000
	TrD PDI	J header, bit	0
MAC	MAC he	ader, bit	0
	MAC mu	ultiplexing	N/A
Layer 1	TrCH type		DCH
	TB sizes, bit		320
	TFS	TF0, bits	0x320
		TF1, bits	1x320
		TF2, bits	2x320
		TF3, bits	4x320
		TF4, bits	8x320
	TTI, ms		40
	Coding		TC
	CRC, bit		16
	Max number of bits/TTI after channel coding		8076
	Max number of bits/radio frame before rate matching		2019
	RM attribute		125-165

6.10.3.4.1.19.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.19.1.1.3 TFCS

TFCS size	10
TFCS	(64 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.3.4.1.19.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	{SF16 x 1 code + SF4 x 1 code}
		x 1 time slot
	Max. Number of data bits/radio frame	1202 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.52

6.10.3.4.1.19.2 Downlink

6.10.3.4.1.19.2.1 Transport channel parameters

6.10.3.4.1.19.2.1.1 Transport channel parameters for Streaming / unknown / DL:0 kbps / CS or PS RAB

N/A

6.10.3.4.1.19.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.19.2.1.3 TFCS

See clause 6.10.3.4.1.2.2.1.2.

6.10.3.4.1.19.2.2 Physical channel parameters

See clause 6.10.3.4.1.2.2.2.

6.10.3.4.1.20 Streaming / unknown / UL:0 DL:128 kbps / CS or PS RAB + UL:3.4 DL:3.4 kbps SRBs

for DCCH

6.10.3.4.1.20.1 Uplink

6.10.3.4.1.20.1.1 Transport channel parameters

6.10.3.4.1.20.1.1.1 Transport channel parameters for Streaming / unknown / UL:0 kbps / CS or PS RAB

N/A

6.10.3.4.1.20.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.20.1.1.3 TFCS

See clause 6.10.3.4.1.2.1.1.2.

6.10.3.4.1.20.1.2 Physical channel parameters

See clause 6.10.3.4.1.2.1.2.

6.10.3.4.1.20.2 Downlink

6.10.3.4.1.20.2.1 Transport channel parameters

6.10.3.4.1.20.2.1.1 Transport channel parameters for Streaming / unknown / DL:128 kbps / CS or PS RAB

Higher	RAB/Signalling RB	RAB
Layer		
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	320
	Max data rate, bps	128000
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	320
	TFS TF0, bits	0x320
	TF1, bits	1x320
	TF2, bits	2x320
	TF3, bits	4x320
	TF4, bits	8x320
	TF5, bits	16x320
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	16152
	Max number of bits/radio frame before rate	4038
	matching	
	RM attribute	125-165

6.10.3.4.1.20.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.20.2.1.3 TFCS

TFCS size	12
TFCS	(128 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0)
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1)

6.10.3.4.1.20.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 8 codes x 1 time slot
	Max. Number of data bits/radio frame	2192 bits
	TFCI code word	16 bits
	Puncturing limit	0,52

6.10.3.4.1.21 Streaming / unknown / UL:128 DL:0 kbps / CS or PS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.21.1 Uplink

6.10.3.4.1.21.1.1 Transport channel parameters

6.10.3.4.1.21.1.1.1 Transport channel parameters for Streaming / unknown / UL:128 kbps / CS or PS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	320
	Max data rate, bps	128000
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
,	TB sizes, bit	320
	TFS TF0, bits	0x320
	TF1, bits	1x320
	TF2, bits	2x320
	TF3, bits	4x320
	TF4, bits	8x320
	TF5, bits	16x320
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	16152
	Uplink: Max number of bits/radio frame before	4038
	rate matching	
	RM attribute	125-165

6.10.3.4.1.21.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.21.1.1.3 TFCS

TFCS size	12
TFCS	(128 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0)
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1)

6.10.3.4.1.21.1.2 Physical channel parameters

DPCH Uplink	Midamble	256 chips
	Codes and time slots	SF2 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	2064 bits
	TFCI code word	16 bit
	TPC	2 bits
	Puncturing Limit	0.48

6.10.3.4.1.21.2.1 Transport channel parameters

6.10.3.4.1.21.2.1.1 Transport channel parameters for Streaming / unknown / DL:0 kbps / CS or PS RAB

N/A

6.10.3.4.1.21.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.21.2.1.3 TFCS

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.21.2.2 Physical channel parameters

See clause 6.10.3.4.1.2.2.2.

6.10.3.4.1.22 Streaming / unknown / UL:0 DL:384 kbps / CS or PS RAB + UL:3.4 DL:3.4 kbps SRBs

for DCCH

6.10.3.4.1.22.1 Uplink

6.10.3.4.1.22.1.1 Transport channel parameters

6.10.3.4.1.22.1.1.1 Transport channel parameters for Streaming / unknown / UL:0 kbps / CS or PS RAB

N/A

6.10.3.4.1.22.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.22.1.1.3 TFCS

See clause 6.10.3.4.1.2.1.1.2.

6.10.3.4.1.22.1.2 Physical channel parameters

See clause 6.10.3.4.1.2.1.2.

6.10.3.4.1.22.2 Downlink

6.10.3.4.1.22.2.1 Transport channel parameters

6.10.3.4.1.22.2.1.1 Transport channel parameters for Streaming / unknown / DL:384 kbps / CS or PS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	TM
	Payload sizes, bit	320
	Max data rate, bps	384000
	TrD PDU header, bit	0
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	320
	TFS TF0, bits	0x320
	TF1, bits	1x320
	TF2, bits	2x320
	TF3, bits	4x320
	TF4, bits	8x320
	TF5, bits	16x320
	TF6, bits	32x320
	TF7, bits	48x320
	TTI, ms	40
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	48432
	Max number of bits/radio frame before rate	12108
	matching	
	RM attribute	110-150

6.10.3.4.1.22.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.22.2.1.3 TFCS

TFCS size	16
TFCS	(384 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1)

6.10.3.4.1.22.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 8 codes x 3 time slots
	Max. Number of data bits/radio frame	6608 bits
	TFCI code word	16 bits
	Puncturing limit	0,52

6.10.3.4.1.23 Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for

DCCH

6.10.3.4.1.23.1 Uplink

6.10.3.4.1.23.1.1 Transport channel parameters

6.10.3.4.1.23.1.1.1 Transport channel parameters for Interactive or background / UL:32 kbps / PS RAB

Higher	RAB/Signalling RB	RAB
Layer RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	32000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336 (alt. N/A)
	TTI, ms	20 (alt. 10)
	Coding type	TC (alt. CC 1/3)
	CRC, bit	16
	Max number of bits/TTI after channel coding	2124 (alt. 1080)
	Max number of bits/radio frame before rate matching	1062 (alt. 1080)
	RM attribute	135-175

6.10.3.4.1.23.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.23.1.1.3 TFCS

TFCS size	6 (alt. 4)
TFCS	(32 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1)
	(alt. (TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1))

6.10.3.4.1.23.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF4 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	904 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.76

6.10.3.4.1.23.2 Downlink

6.10.3.4.1.23.2.1 Transport channel parameters

6.10.3.4.1.23.2.1.1 Transport channel parameters for Interactive or background / DL:8 kbps / PS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
1.20	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	8000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TTI, ms	40
	Coding type	TC (alt. CC 1/3)
	CRC, bit	16
	Max number of bits/TTI after channel coding	1068 (alt. 1080)
	Max number of bits/radio frame before rate matching	267 (alt. 270)
	RM attribute	135-175

6.10.3.4.1.23.2.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.23.2.1.3 TFCS

TFCS size	4
TFCS	(8 kbps RAB, DCCH)=(TF0, TF0), (TF1, TF0), (TF0, TF1), (TF1, TF1)

6.10.3.4.1.23.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	236 bits
	TFCI code word	8 bits
	Puncturing limit	0.56

6.10.3.4.1.24 Interactive or background / UL:64 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.24.1 Uplink

6.10.3.4.1.24.1.1 Transport channel parameters

6.10.3.4.1.24.1.1.1 Transport channel parameters for Interactive or background / UL:64 kbps / PS RAB

Higher Layer	RAB/Sig	nalling RB	RAB
RLC	Logical channel type		DTCH
	RLC mode		AM
	Payload sizes, bit		320
	Max data	a rate, bps	64000
	AMD PD	U header, bit	16
MAC	MAC header, bit		0
	MAC mu	Itiplexing	N/A
Layer 1	TrCH type		DCH
	TB sizes, bit		336
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336
		TF3, bits	3x336
		TF4, bits	4x336
	TTI, ms		20
	Coding type		TC
	CRC, bit		16
	Max number of bits/TTI after channel coding		4236
	Max number of bits/radio frame before rate matching		2118
	RM attribute		130-170

6.10.3.4.1.24.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.24.1.1.3 TFCS

TFCS size	10
TFCS	(64 kbps RAB, DCCH)= (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.3.4.1.24.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	{SF16 x 1 code + SF4 x 1 code}
		x 1 time slot
	Max. Number of data bits/radio frame	1202 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.52

6.10.3.4.1.24.2 Downlink

See clause 6.10.3.4.1.23.2.

6.10.3.4.1.25 Interactive or background / UL:32 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs

for DCCH

6.10.3.4.1.25.1 Uplink

See clause 6.10.3.4.1.23.1.

6.10.3.4.1.25.2 Downlink

6.10.3.4.1.25.2.1 Transport channel parameters

6.10.3.4.1.25.2.1.1 Transport channel parameters for Interactive or background / DL:64 kbps / PS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	64000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336
	TF3, bits	3x336
	TF4, bits	4x336
	TTI, ms	20
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	4236
	Max number of bits/radio frame before rate matching	2118
	RM attribute	130-170

6.10.3.4.1.25.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.25.2.1.3 TFCS

TFCS size	10
TFCS	(64 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.3.4.1.25.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 5 codes x 1 time slot
	Max. Number of data bits/radio frame	1204 bits
	TFCI code word	16 bits
	Puncturing limit	0,52

6.10.3.4.1.26 Interactive or background / UL:64 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs

for DCCH

6.10.3.4.1.26.1 Uplink

See clause 6.10.3.4.1.24.1.

6.10.3.4.1.26.2 Downlink

See clause 6.10.3.4.1.25.2.

6.10.3.4.1.27 Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs

for DCCH

6.10.3.4.1.27.1 Uplink

See clause 6.10.3.4.1.24.1.

6.10.3.4.1.27.2 Downlink

6.10.3.4.1.27.2.1 Transport channel parameters

6.10.3.4.1.27.2.1.1 Transport channel parameters for Interactive or background / DL:128 kbps / PS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
0	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	128000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336
	TF3, bits	4 x336
	TF4, bits	8 x336
	TTI, ms	20
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	8460
	Max number of bits/radio frame before rate	4230
	matching	
	RM attribute	120-160

6.10.3.4.1.27.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.27.2.1.3 TFCS

TFCS size	10
TFCS	(128 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.3.4.1.27.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 8 codes x 1 time slot
	Max. Number of data bits/radio frame	2192 bits
	TFCI code word	16 bits
	Puncturing limit	0,48

6.10.3.4.1.28 Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.28.1 Uplink

6.10.3.4.1.28.1.1 Transport channel parameters

6.10.3.4.1.28.1.1.1 Transport channel parameters for Interactive or background / UL:128 kbps / PS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	128000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
-	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336
	TF3, bits	4 x336
	TF4, bits	8 x336
	TTI, ms	20
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	8460
	Max number of bits/radio frame before rate matching	4230
	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

TFCS size	10
TFCS	(128 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)

6.10.3.4.1.28.1.2 Physical channel parameters

DPCH Uplink	Midamble	256 chips
	Codes and time slots	SF2 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	2064 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.48

6.10.3.4.1.28.2 Downlink

See clause 6.10.3.4.1.27.2.

6.10.3.4.1.29 Interactive or background / UL:64 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs

for DCCH

6.10.3.4.1.29.1 Uplink

See clause 6.10.3.4.1.24.1.

6.10.3.4.1.29.2 Downlink

6.10.3.4.1.29.2.1 Transport channel parameters

6.10.3.4.1.29.2.1.1 Transport channel parameters for Interactive or background / DL:144 kbps / PS RAB

Higher	RAB/Signalling RB	RAB
Layer		
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	144000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336
	TF3, bits	4 x336
	TF4, bits	8 x336
	TF5, bits	9x336
	TTI, ms	20
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	9516
	Max number of bits/radio frame before rate	4758
	matching	
	RM attribute	140-180

6.10.3.4.1.29.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.29.2.1.3 TFCS

TFCS size	12
TFCS	(144 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0)
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1)

6.10.3.4.1.29.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 9 codes x 1 time slot
	Max. Number of data bits/radio frame	2468 bits
	TFCI code word	16 bits
	Puncturing limit	0,48

6.10.3.4.1.30 Interactive or background / UL:144 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH

6.10.3.4.1.30.1 Uplink

6.10.3.4.1.30.1.1 Transport channel parameters

6.10.3.4.1.30.1.1.1 Transport channel parameters for Interactive or background / UL:144 kbps / PS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	144000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336
	TF3, bits	4 x336
	TF4, bits	8 x336
	TF5, bits	9 x336
	TTI, ms	20
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	9516
	Max number of bits/radio frame before rate	4758
	matching	
	RM attribute	140-180

6.10.3.4.1.30.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.30.1.1.3 TFCS

TFCS size	12
TFCS	(144 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0)
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1)

6.10.3.4.1.30.1.2 Physical channel parameters

DPCH Uplink	Midamble	256 chips
	Codes and time slots	{SF16 x 1 code + SF2 x 1 code}
		x 1 time slot
	Max. Number of data bits/radio frame	2466 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.52

6.10.3.4.1.30.2 Downlink

See clause 6.10.3.4.1.29.2.

6.10.3.4.1.31 Interactive or background / UL:64 DL:256 kbps / PS RAB

+ UL:3.4 DL: 3.4 kbps SRBs for DCCH

6.10.3.4.1.31.1 Uplink

See clause 6.10.3.4.1.24.1.

6.10.3.4.1.31.2 Downlink

6.10.3.4.1.31.2.1 Transport channel parameters

6.10.3.4.1.31.2.1.1 Transport channel parameters for Interactive or background / DL:256 kbps / PS RAB

Higher Layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	384000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336
	TF3, bits	4 x336
	TF4, bits	8 x336
	TF5, bits	N/A (alt. 12x336)
	TF6, bits	N/A (alt. 16x336)
	TTI, ms	10(alt. 20)
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	8460(alt. 16920)
	Max number of bits/radio frame before rate matching	8460 (alt. 8460)
	RM attribute	135-175

6.10.3.4.1.31.2.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.31.2.1.3 TFCS

TFCS size	10 (alt.14)
TFCS	(256 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1)
	(alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0)
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1))

6.10.3.4.1.31.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 8 codes x 2 time slots
	Max. Number of data bits/radio frame	4400 bits
	TFCI code word	16 bits
	Puncturing limit	0,48

6.10.3.4.1.32 Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs

for DCCH

6.10.3.4.1.32.1 Uplink

See clause 6.10.3.4.1.24.1.

6.10.3.4.1.32.2 Downlink

6.10.3.4.1.32.2.1 Transport channel parameters

6.10.3.4.1.32.2.1.1 Transport channel parameters for Interactive or background / DL:384 kbps / PS RAB

Higher	RAB/Signalling RB	RAB
Layer		
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	320
	Max data rate, bps	384000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A

Higher Layer	RAB/Sig	nalling RB	RAB
Layer 1	TrCH type		DCH
	TB sizes		336
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336
		TF3, bits	4 x336
		TF4, bits	8 x336
		TF5, bits	12x336
		TF6, bits	N/A (alt. 16 x336)
		TF7, bits	N/A (alt. 20 x336)
		TF8, bits	N/A (alt. 24 x336)
	TTI, ms		10(alt. 20)
	Coding type		TC
	CRC, bit		16
	Max nun	nber of bits/TTI after channel coding	12684(alt. 25368)
	Max number of bits/radio frame before rate matching		12684 (alt. 12684)
	RM attribute		110-150

6.10.3.4.1.32.2.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.32.2.1.3 TFCS

TFCS size	12 (alt.18)
TFCS	(384 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0)
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1)
	(alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7,
	TF0), (TF8, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1),
	(TF8, TF1))

6.10.3.4.1.32.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 8 codes x 3 time slots
	Max. Number of data bits/radio frame	6608 bits
	TFCI code word	16 bits
	Puncturing limit	0,52

6.10.3.4.1.33 Interactive or background / UL:128 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.33.1 Uplink

See clause 6.10.3.4.1.28.1.

6.10.3.4.1.33.2 Downlink

See clause 6.10.3.4.1.32.2.

6.10.3.4.1.34 Interactive or background / UL:384 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.34.1 Uplink

6.10.3.4.1.34.1.1 Transport channel parameters

6.10.3.4.1.34.1.1.1 Transport channel parameters for Interactive or background / UL:384 kbps / PS RAB

Higher Layer	RAB/Sigr	nalling RB	RAB
RLC	Logical channel type		DTCH
	RLC mod	le	AM
	Payload s	sizes, bit	320
	Max data	rate, bps	384000
	AMD PDI	J header, bit	16
MAC	MAC hea	der, bit	0
	MAC mul	tiplexing	N/A
Layer 1	TrCH type	e	DCH
	TB sizes,		336
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336
		TF3, bits	4 x336
		TF4, bits	8 x336
		TF5, bits	12x336
		TF6, bits	16x336(alt. N/A)
		TF7, bits	20x336(alt. N/A)
		TF8, bits	24 x336 (alt. N/A)
	TTI, ms		20 (alt. 10)
	Coding type		TC
	CRC, bit		16
	Max number of bits/TTI after channel coding		25368
	Max number of bits/radio frame before rate		12684
	matching		
	RM attribute		110-150

6.10.3.4.1.34.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.34.1.1.3 TFCS

TFCS size	18 (alt.12)
TFCS	(384 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7, TF0),
	(TF8, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1),
	(TF8, TF1)
	(alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0)
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1))

6.10.3.4.1.34.1.2 Physical channel parameters

DPCH Uplink	Midamble	256 chips
	Codes and time slots	SF2 x 1 code x 3 time slots
	Max. Number of data bits/radio frame	6480 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.48

6.10.3.4.1.34.2 Downlink

See clause 6.10.3.4.1.32.2.

6.10.3.4.1.35 Interactive or background / UL:64 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps

SRBs for DCCH

6.10.3.4.1.35.1 Uplink

See clause 6.10.3.4.1.24.1.

6.10.3.4.1.35.2 Downlink

6.10.3.4.1.35.2.1 Transport channel parameters

6.10.3.4.1.35.2.1.1 Transport channel parameters for Interactive or background / DL:2048 kbps / PS RAB

Higher	RAB/Signalling RB	RAB
Layer		
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	640
	Max data rate, bps	2048000
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	656
	TFS TF0, bits	0x656
	TF1, bits	1x656
	TF2, bits	2x656
	TF3, bits	4 x656
	TF4, bits	8 x656
	TF5, bits	12x656
	TF6, bits	16x656
	TF7, bits	20x656
	TF8, bits	24x656
	TF9, bits	28x656
	TF10, bits	32x656
	TF11, bits	N/A (alt. 36x656)
	TF12, bits	N/A (alt. 40x656)
	TF13, bits	N/A (alt. 44x656)
	TF14, bits	N/A (alt. 48x656)
	TF15, bits	N/A (alt. 52x656)
	TF16, bits	N/A (alt. 56x656)
	TF17, bits	N/A (alt. 60x656)
	TF18, bits	N/A (alt. 64x656)
	TTI, ms	10(alt. 20)
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	64575 (alt. 129141)

Higher Layer	RAB/Signalling RB	RAB
	Max number of bits/radio frame before rate matching	64575 (alt. 64571)
	RM attribute	130-170

6.10.3.4.1.35.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.35.2.1.3 TFCS

TFCS size	22 (alt.38)
TFCS	(2048 kbps RAB, DCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7, TF0),
	(TF8, TF0), (TF9, TF0), (TF10, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1),
	(TF8, TF1), (TF9, TF1), (TF10, TF1)
	(alt. TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7,
	TF0), (TF8, TF0), (TF9, TF0), (TF10, TF0), (TF11, TF0), (TF12, TF0), (TF13, TF0), (TF14, TF0),
	(TF15, TF0), (TF16, TF0), (TF17, TF0), (TF18, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1),
	(TF8, TF1), (TF9, TF1), (TF10, TF1), (TF11, TF0), (TF12, TF0), (TF13, TF0), (TF14, TF0), (TF15,
	TF0), (TF16, TF0), (TF17, TF0), (TF18, TF0))

6.10.3.4.1.35.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF1 x 1 code x 12 time slot
	Max. Number of data bits/radio frame	52976 bits
	TFCI code word	16 bits
	Puncturing limit	0,80

6.10.3.4.1.36 Interactive or background / UL:128 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.36.1 Uplink

See clause 6.10.3.4.1.28.1.

6.10.3.4.1.36.2 Downlink

See clause 6.10.3.4.1.35.2.

6.10.3.4.1.37 Interactive or background / UL:384 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.37.1 Uplink

See clause 6.10.3.4.1.34.1.

6.10.3.4.1.37.2 Downlink

See clause 6.10.3.4.1.35.2.

6.10.2.4.1.38 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:8 kbps / PS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.38.1 Uplink

6.10.3.4.1.38.1.1 Transport channel parameters

6.10.3.4.1.38.1.1.1 Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.1.1.1

6.10.3.4.1.38.1.1.2 Transport channel parameters for Interactive or background / UL:32 kbps / PS RAB

See clause 6.10.3.4.1.23.1.1.1.

6.10.3.4.1.38.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.38.1.1.4 TFCS

TFCS size	18 (alt. 12)
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 32kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1)
	(alt. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0), (TF0,
	TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1))

6.10.3.4.1.38.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF4 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	904 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.56

6.10.3.4.1.38.2 Downlink

6.10.3.4.1.38.2.1 Transport channel parameters

6.10.3.4.1.38.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

6.10.3.4.1.38.2.1.2 Transport channel parameters for Interactive or background / DL:8 kbps / PS RAB

See clause 6.10.3.4.1.23.2.1.1.

6.10.3.4.1.38.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.

6.10.3.4.1.38.2.1.4 TFCS

TFCS size	12
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3,8kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1)

6.10.3.4.1.38.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 2 codes x 1 time slot
	Max. Number of data bits/radio frame	472 bits
	TFCI code word	16 bits
	Puncturing limit	0,60

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

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF1, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)

6.10.3.4.1.39.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 8 codes x 1 time slot
	Max. Number of data bits/radio frame	1936 bits
	TFCI code word	16 bits
	Puncturing limit	0,68

6.10.3.4.1.40 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB

+ Interactive or background / UL:64 DL:64 kbps / PS RAB

+ UL:3.4 DL: 3.4 kbps SRBs for DCCH

6.10.3.4.1.40.1 Uplink

6.10.3.4.1.40.1.1 Transport channel parameters

6.10.3.4.1.40.1.1.1 Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB See clause 6.10.3.4.1.4.1.1.1.

6.10.3.4.1.40.1.1.2 Transport channel parameters for Interactive or background / UL:64 kbps / PS RAB See clause 6.10.3.4.1.24.1.1.1.

6.10.3.4.1.40.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.40.1.1.4 TFCS

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0. TF0. TF0. TF4. TF1), (TF1. TF0. TF0. TF4. TF1), (TF2. TF1. TF1. TF4. TF1)

6.10.3.4.1.40.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF2 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	1808 bits
	TFCI code word	16 bit
	TPC	2 bits
	Puncturing Limit	0.68

6.10.3.4.1.40.2 Downlink

See clause 6.10.3.4.1.39.2.

6.10.3.4.1.41 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB

+ Interactive or background / UL:64 DL:128 kbps / PS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.41.1 Uplink

See clause 6.10.3.4.1.40.1.

6.10.3.4.1.41.2 Downlink

6.10.3.4.1.41.2.1 Transport channel parameters

6.10.3.4.1.41.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

6.10.3.4.1.41.2.1.2 Transport channel parameters for Interactive or background / DL:128 kbps / PS RAB

See clause 6.10.3.4.1.27.2.1.1.

6.10.3.4.1.41.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.41.2.1.4 TFCS

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 128 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)

6.10.3.4.1.41.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 10 codes x 1 time slot
	Max. Number of data bits/radio frame	2744 bits
	TFCI code word	16 bits
	Puncturing limit	0,56

6.10.3.4.1.42 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB

+ Interactive or background / UL:64 DL:256 kbps / PS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.42.1 Uplink

See clause 6.10.3.4.1.40.1.

6.10.3.4.1.42.2 Downlink

6.10.3.4.1.42.2.1 Transport channel parameters

6.10.3.4.1.42.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1

6.10.3.4.1.42.2.1.2 Transport channel parameters for Interactive or background / DL:256 kbps / PS RAB

See clause 6.10.3.4.1.31.2.1.1.

6.10.3.4.1.42.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.42.2.1.4 TFCS

TFCS size	30 (alt. 42)
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 256 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF1, TF1, TF0), (TF1, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)
	(alt. (TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF1, TF1, TF0), (TF1, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	(TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)
	(TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1),
	(TF0, TF0, TF0, TF6, TF1), (TF1, TF0, TF0, TF6, TF1), (TF2, TF1, TF1, TF6, TF1))

6.10.3.4.1.42.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 10 codes x 2 time slots
	Max. Number of data bits/radio frame	5504 bits
	TFCI code word	16 bits
	Puncturing limit	0,60

6.10.3.4.1.43 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB

+ Interactive or background / UL:64 DL:384 kbps / PS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.43.1 Uplink

See clause 6.10.3.4.1.40.1.

6.10.3.4.1.43.2 Downlink

6.10.3.4.1.43.2.1 Transport channel parameters

6.10.3.4.1.43.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB See clause 6.10.3.4.1.4.2.1.1.

6.10.3.4.1.43.2.1.2 Transport channel parameters for Interactive or background / DL:384 kbps / PS RAB See clause 6.10.3.4.1.32.2.1.1.

6.10.3.4.1.43.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.43.2.1.4 TFCS

TFCS size	36 (alt. 54)
TFCS SIZE	
1103	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 384 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0), (TF0, TF0, TF0, TF0, TF0, TF0, TF0, TF0,
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0), (TF2, TF1, TF1, TF2, TF0)
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0), (TF2, TF3, TF4, TF6, TF6)
	(TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)
	(TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1),
	(alt. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	(TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0),
	(TF0, TF0, TF0, TF7, TF0), (TF1, TF0, TF0, TF7, TF0), (TF2, TF1, TF1, TF7, TF0),
	(TF0, TF0, TF0, TF8, TF0), (TF1, TF0, TF0, TF8, TF0), (TF2, TF1, TF1, TF8, TF0),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)
	(TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1)
	(TF0, TF0, TF0, TF6, TF1), (TF1, TF0, TF0, TF6, TF1), (TF2, TF1, TF1, TF6, TF1),
	(TF0, TF0, TF0, TF7, TF1), (TF1, TF0, TF0, TF7, TF1), (TF2, TF1, TF1, TF7, TF1)
	(TF0, TF0, TF0, TF8, TF1), (TF1, TF0, TF0, TF8, TF1), (TF2, TF1, TF1, TF8, TF1))

6.10.3.4.1.43.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 8 codes x 3 time slots
	Max. Number of data bits/radio frame	6592 bits
	TFCI code word	32 bits
	Puncturing limit	0,48

6.10.3.4.1.44 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:128 DL:2048 kbps / PS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.44.1 Uplink

6.10.3.4.1.44.1.1 Transport channel parameters

6.10.3.4.1.44.1.1.1 Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB See clause 6.10.3.4.1.4.1.1.1.

6.10.3.4.1.44.1.1.2 Transport channel parameters for Interactive or background / UL:128 kbps / PS RAB See clause 6.10.3.4.1.28.1.1.1.

6.10.3.4.1.44.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.44.1.1.4 TFCS

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 128 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF1, TF1, TF0), (TF1, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)

6.10.3.4.1.44.1.2 Physical channel parameters

DPCH Uplink	Midamble	256 chips
	Codes and time slots	{SF8 x 1 code + SF2 x 1 code}
		x 1 time slot
	Max. Number of data bits/radio frame	2724 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.56

6.10.3.4.1.44.2 Downlink

6.10.3.4.1.44.2.1 Transport channel parameters

6.10.3.4.1.44.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB See clause 6.10.3.4.1.4.2.1.1.

6.10.3.4.1.44.2.1.2 Transport channel parameters for Interactive or background / DL:2048 kbps / PS RAB See clause 6.10.3.4.1.35.2.1.1.

6.10.3.4.1.44.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.44.2.1.4 TFCS

TFCS size	66 (alt. 114)
TFCS SIZE	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 2048 kbps RAB, DCCH)=
11 00	(TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	(TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0),
	(TF0, TF0, TF0, TF7, TF0), (TF1, TF0, TF0, TF7, TF0), (TF2, TF1, TF1, TF7, TF0),
	(TF0, TF0, TF0, TF8, TF0), (TF1, TF0, TF0, TF8, TF0), (TF2, TF1, TF1, TF8, TF0),
	(TF0, TF0, TF0, TF9, TF0), (TF1, TF0, TF0, TF9, TF0), (TF2, TF1, TF1, TF9, TF0),
	(TF0, TF0, TF0, TF10, TF0), (TF1, TF0, TF0, TF10, TF0), (TF2, TF1, TF1, TF10, TF0),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)
	(TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1),
	TF0, TF0, TF0, TF6, TF1), (TF1, TF0, TF0, TF6, TF1), (TF2, TF1, TF1, TF6, TF1),
	(TF0, TF0, TF0, TF7, TF1), (TF1, TF0, TF0, TF7, TF1), (TF2, TF1, TF1, TF7, TF1),
	(TF0, TF0, TF0, TF8, TF1), (TF1, TF0, TF0, TF8, TF1), (TF2, TF1, TF1, TF8, TF1),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF9, TF1)
	(TF0, TF0, TF0, TF10, TF1), (TF1, TF0, TF0, TF10, TF1), (TF2, TF1, TF1, TF10, TF1)
	(alt. (TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0), (TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF1), (TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	(TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0),
	(TF0, TF0, TF0, TF7, TF0), (TF1, TF0, TF0, TF7, TF0), (TF2, TF1, TF1, TF7, TF0),
	(TF0, TF0, TF0, TF8, TF0), (TF1, TF0, TF0, TF8, TF0), (TF2, TF1, TF1, TF8, TF0),
	(TF0, TF0, TF0, TF9, TF0), (TF1, TF0, TF0, TF9, TF0), (TF2, TF1, TF1, TF9, TF0),
	(TF0, TF0, TF0, TF10, TF0), (TF1, TF0, TF0, TF10, TF0), (TF2, TF1, TF1, TF10, TF0),
	(TF0, TF0, TF0, TF11, TF0), (TF1, TF0, TF0, TF11, TF0), (TF2, TF1, TF1, TF11, TF0),
	(TF0, TF0, TF12, TF0), (TF1, TF0, TF0, TF12, TF0), (TF2, TF1, TF1, TF12, TF0),
	(TF0, TF0, TF13, TF0), (TF1, TF0, TF0, TF13, TF0), (TF2, TF1, TF1, TF13, TF0),
	(TF0, TF0, TF14, TF0), (TF1, TF0, TF0, TF14, TF0), (TF2, TF1, TF1, TF14, TF0),
	(TF0, TF0, TF15, TF0), (TF1, TF0, TF0, TF15, TF0), (TF2, TF1, TF1, TF15, TF0),
	(TF0, TF0, TF0, TF16, TF0), (TF1, TF0, TF0, TF16, TF0), (TF2, TF1, TF1, TF16, TF0), (TF0, TF0, TF0, TF17, TF0)
	(TF0, TF0, TF0, TF17, TF0), (TF1, TF0, TF0, TF17, TF0), (TF2, TF1, TF1, TF17, TF0),
	(TF0, TF0, TF0, TF18, TF0), (TF1, TF0, TF0, TF18, TF0), (TF2, TF1, TF1, TF18, TF0), (TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1),
	(TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1),
	(TF0, TF0, TF0, TF6, TF1), (TF1, TF0, TF0, TF6, TF1), (TF2, TF1, TF1, TF6, TF1),
	(TF0, TF0, TF0, TF7, TF1), (TF1, TF0, TF0, TF7, TF1), (TF2, TF1, TF1, TF7, TF1),
	(TF0, TF0, TF0, TF8, TF1), (TF1, TF0, TF0, TF8, TF1), (TF2, TF1, TF1, TF8, TF1),
	(TF0, TF0, TF0, TF9, TF1), (TF1, TF0, TF0, TF9, TF1), (TF2, TF1, TF1, TF9, TF1),
	(TF0, TF0, TF0, TF10, TF1), (TF1, TF0, TF0, TF10, TF1), (TF2, TF1, TF1, TF10, TF1),
	(TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF11, TF1), (TF2, TF1, TF1, TF11, TF1),
	(TF0, TF0, TF12, TF1), (TF1, TF0, TF0, TF12, TF1), (TF2, TF1, TF1, TF12, TF1),
	(TF0, TF0, TF13, TF1), (TF1, TF0, TF0, TF13, TF1), (TF2, TF1, TF1, TF13, TF1),
	(TF0, TF0, TF14, TF1), (TF1, TF0, TF0, TF14, TF1), (TF2, TF1, TF1, TF14, TF1),
	(TF0, TF0, TF15, TF1), (TF1, TF0, TF0, TF15, TF1), (TF2, TF1, TF1, TF15, TF1),
	(TF0, TF0, TF16, TF1), (TF1, TF0, TF0, TF16, TF1), (TF2, TF1, TF1, TF16, TF1),
	(TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF1, TF1),
	(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

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF1 x 1 code x 12 time slots
	Max. Number of data bits/radio frame	36400 bits
	TFCI code word	32 bits
	Puncturing limit	0,52

6.10.3.4.1.45 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB

+ Streaming / unknown / UL:57.6 DL:57.6 kbps / CS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.45.1 Uplink

6.10.3.4.1.45.1.1 Transport channel parameters

6.10.3.4.1.45.1.1.1 Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB See clause 6.10.3.4.1.4.1.1.1.

6.10.3.4.1.45.1.1.2 Transport channel parameters for Streaming / unknown / UL:57.6 kbps / CS RAB See clause 6.10.3.4.1.17.1.1.1.

6.10.3.4.1.45.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.45.1.1.4 TFCS

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 57.6 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)

6.10.3.4.1.45.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	{SF8 x 1 code + SF4 x 1 code}
		x 1 time slot
	Max. Number of data bits/radio frame	1428 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.60

6.10.3.4.1.45.2 Downlink

6.10.3.4.1.45.2.1 Transport channel parameters

6.10.3.4.1.45.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB See clause 6.10.3.4.1.4.2.1.1.

6.10.3.4.1.45.2.1.2 Transport channel parameters for Streaming / unknown / DL:57.6 kbps / CS RAB See clause 6.10.3.4.1.17.2.1.1.

6.10.3.4.1.45.2.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH See clause 6.10.3.4.1.2.2.11.

6.10.3.4.1.45.2.1.4 TFCS

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 57.6 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)

6.10.3.4.1.45.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 6 codes x 1 time slot
	Max. Number of data bits/radio frame	1448 bits
	TFCI code word	16 bits
	Puncturing limit	0,6

6.10.3.4.1.46 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB

+ Streaming / unknown / UL:0 DL:64 kbps / CS or PS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.46.1 Uplink

See clause 6.10.3.4.1.4.1.

6.10.3.4.1.46.2 Downlink

6.10.3.4.1.46.2.1 Transport channel parameters

6.10.3.4.1.46.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB See clause 6.10.3.4.1.4.2.1.1.

6.10.3.4.1.46.2.1.2 Transport channel parameters for Streaming / unknown / DL:64 kbps / CS or PS RAB See clause 6.10.3.4.1.18.2.1.1.

6.10.3.4.1.46.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.46.2.1.4 TFCS

TFCS size	30
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1)

6.10.3.4.1.46.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 8 codes x 1 time slot
	Max. Number of data bits/radio frame	2192 bits
	TFCI code word	16 bits
	Puncturing limit	0,8

6.10.3.4.1.47 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB

+ Streaming / unknown / UL:0 DL:128 kbps / CS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.47.1 Uplink

See clause 6.10.3.4.1.4.1.

6.10.3.4.1.47.2 Downlink

6.10.3.4.1.47.2.1 Transport channel parameters

6.10.3.4.1.47.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

6.10.3.4.1.47.2.1.2 Transport channel parameters for Streaming / unknown / DL:128 kbps / CS or PS RAB

See clause 6.10.3.4.1.20.2.1.1.

6.10.3.4.1.47.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.47.2.1.4 TFCS

TFCS size	36		
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 128 kbps RAB, DCCH)=		
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),		
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),		
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),		
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),		
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),		
	(TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),		
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),		
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),		
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),		
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),		
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1),		
	(TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1)		

6.10.3.4.1.47.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 10 codes x 1 time slot
	Max. Number of data bits/radio frame	2728 bits
	TFCI code word	32 bits
	Puncturing limit	0,56

6.10.3.4.1.48 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB

+ Streaming / unknown / UL:0 DL:384 kbps / CS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.48.1 Uplink

See clause 6.10.3.4.1.4.1.

6.10.3.4.1.48.2 Downlink

6.10.3.4.1.48.2.1 Transport channel parameters

6.10.3.4.1.48.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

6.10.3.4.1.48.2.1.2 Transport channel parameters for Streaming / unknown / DL:384 kbps / CS or PS RAB

See clause 6.10.3.4.1.22.2.1.1.

6.10.3.4.1.48.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.48.2.1.4 **TFCS**

TECC size	40
TFCS size	48
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 384 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF2, TF0), (TF1, TF0, TF0, TF2, TF0), (TF2, TF1, TF1, TF2, TF0),
	(TF0, TF0, TF0, TF3, TF0), (TF1, TF0, TF0, TF3, TF0), (TF2, TF1, TF1, TF3, TF0),
	(TF0, TF0, TF0, TF4, TF0), (TF1, TF0, TF0, TF4, TF0), (TF2, TF1, TF1, TF4, TF0),
	(TF0, TF0, TF0, TF5, TF0), (TF1, TF0, TF0, TF5, TF0), (TF2, TF1, TF1, TF5, TF0),
	(TF0, TF0, TF0, TF6, TF0), (TF1, TF0, TF0, TF6, TF0), (TF2, TF1, TF1, TF6, TF0),
	(TF0, TF0, TF0, TF7, TF0), (TF1, TF0, TF0, TF7, TF0), (TF2, TF1, TF1, TF7, TF0),
	(TF0, TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1),
	(TF0, TF0, TF0, TF2, TF1), (TF1, TF0, TF0, TF2, TF1), (TF2, TF1, TF1, TF2, TF1),
	(TF0, TF0, TF0, TF3, TF1), (TF1, TF0, TF0, TF3, TF1), (TF2, TF1, TF1, TF3, TF1),
	(TF0, TF0, TF0, TF4, TF1), (TF1, TF0, TF0, TF4, TF1), (TF2, TF1, TF1, TF4, TF1),
	(TF0, TF0, TF0, TF5, TF1), (TF1, TF0, TF0, TF5, TF1), (TF2, TF1, TF1, TF5, TF1),
	(TF0, TF0, TF0, TF6, TF1), (TF1, TF0, TF0, TF6, TF1), (TF2, TF1, TF1, TF6, TF1),
	(TF0, TF0, TF0, TF7, TF1), (TF1, TF0, TF0, TF7, TF1), (TF2, TF1, TF1, TF7, TF1)

6.10.3.4.1.48.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 10 codes x 3 time slots
	Max. Number of data bits/radio frame	8248 bits
	TFCI code word	32 bits
	Puncturing limit	0,64

Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB 6.10.3.4.1.49

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.49.1 Uplink

6.10.3.4.1.49.1.1 Transport channel parameters

6.10.3.4.1.49.1.1.1 Transport channel parameters for Conversational / speech / UL:12.2 kbps / CS RAB See clause 6.10.3.4.1.4.1.1.1.

6.10.3.4.1.49.1.1.2 Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB See clause 6.10.3.4.1.13.1.1.1.

6.10.3.4.1.49.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.49.1.1.4 **TFCS**

TFCS size	12
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB, DCCH)=
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),
	(TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),
	(TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1)

6.10.3.4.1.49.1.2 Physical channel parameters

DPCH Uplink	Midamble	256 chips
	Codes and time slots	SF2 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	2064 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.72

6.10.3.4.1.49.2 Downlink

6.10.3.4.1.49.2.1 Transport channel parameters

6.10.3.4.1.49.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB See clause 6.10.3.4.1.4.2.1.1.

6.10.3.4.1.49.2.1.2 Transport channel parameters for Conversational / unknown / DL:64 kbps / CS RAB See clause 6.10.3.4.1.13.2.1.1.

6.10.3.4.1.49.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH See clause 6.10.3.4.1.2.2.11.

6.10.3.4.1.49.2.1.4 TFCS

TFCS size	12	
TFCS	(RAB subflow#1, RAB subflow#2, RAB subflow#3, 64 kbps RAB,DCCH)=	
	(TF0, TF0, TF0, TF0, TF0), (TF1, TF0, TF0, TF0, TF0), (TF2, TF1, TF1, TF0, TF0),	
	(TF0, TF0, TF0, TF1, TF0), (TF1, TF0, TF0, TF1, TF0), (TF2, TF1, TF1, TF1, TF0),	
	(TF0, TF0, TF0, TF1), (TF1, TF0, TF0, TF0, TF1), (TF2, TF1, TF1, TF0, TF1),	
	(TF0, TF0, TF0, TF1, TF1), (TF1, TF0, TF0, TF1, TF1), (TF2, TF1, TF1, TF1, TF1)	

6.10.3.4.1.49.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 8 codes x 1 time slot
	Max. Number of data bits/radio frame	2192 bits
	TFCI code word	16 bits
	Puncturing limit	0,88

6.10.3.4.1.50 Conversational / unknown / UL:64 DL:64 kbps / CS RAB

+ Conversational / unknown / UL:64 DL:64 kbps / CS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.50.1 Uplink

6.10.3.4.1.50.1.1 Transport channel parameters

6.10.3.4.1.50.1.1.1 Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB

See clause 6.10.3.5.4.1.13.1.1.1.

6.10.3.4.1.50.1.1.2 Transport channel parameters for UL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.50.1.1.3 TFCS

TFCS size	8
TFCS	(64 kbps RAB, 64 kbps RAB, DCCH)=
	(TF0, TF0, TF0), (TF1, TF0, TF0), (TF0, TF1, TF0), (TF1, TF1, TF0)
	(TF0, TF0, TF1), (TF1, TF0, TF1), (TF0, TF1, TF1), (TF1, TF1, TF1)

6.10.3.4.1.50.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	SF1 x 1 code x 1time slot
	Max. Number of data bits/radio frame	3616 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.88

6.10.3.4.1.50.2 Downlink

6.10.3.4.1.50.2.1 Transport channel parameters

6.10.3.4.1.50.2.1.1 Transport channel parameters for Conversational / unknown / DL:64 kbps / CS RAB

See clause 6.10.3.4.1.13.2.1.1.

6.10.3.4.1.50.2.1.2 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.50.2.1.3 TFCS

TFCS size	8
TFCS	(64 kbps RAB, 64 kbps RAB, DCCH)= (TF0, TF0, TF0), (TF1, TF0, TF0), (TF0, TF1, TF0), (TF1, TF1, TF0)
	(TF0, TF0, TF1), (TF1, TF0, TF1), (TF0, TF1, TF1), (TF1, TF1, TF1)

6.10.3.4.1.50.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	SF16 x 11 codes x 1 time slot
	Max. Number of data bits/radio frame	2668 bits
	TFCI code word	16 bits
	Puncturing limit	0,64

6.10.3.4.1.51 Conversational / unknown / UL:64 DL:64 kbps / CS RAB

+ Interactive or background / UL:64 DL:64 kbps / PS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.51.1 Uplink

6.10.3.4.1.51.1.1 Transport channel parameters

6.10.3.4.1.51.1.1.1 Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB

See clause 6.10.3.4.1.13.1.1.1.

6.10.3.4.1.51.1.1.2 Transport channel parameters for Interactive or background / UL:64 kbps / PS RAB See clause 6.10.3.4.1.24.1.1.1.

6.10.3.4.1.51.1.1.3 Transport channel parameters for UL:3.4 kbps SRBs for DCCH See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.51.1.1.4 TFCS

TFCS size	20	
TFCS	(Conv. 64 kbps RAB, I/B 64 kbps RAB, DCCH)=	
	(TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF0, TF3, TF0), (TF0, TF4, TF0),	
	(TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF1, TF3, TF0), (TF1, TF4, TF0),	
	(TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF0, TF3, TF1), (TF0, TF4, TF1),	
	(TF1, TF0, TF1), (TF1, TF1, TF1), (TF1, TF2, TF1), (TF1, TF3, TF1), (TF1, TF4, TF1)	

6.10.3.4.1.51.1.2 Physical channel parameters

DPCH Uplink	Midamble	256 chips
	Codes and time slots	SF2 x 1 code x 1 time slot
	Max. Number of data bits/radio frame	2064 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.44

6.10.3.4.1.51.2 Downlink

6.10.3.4.1.51.2.1 Transport channel parameters

6.10.3.4.1.51.2.1.1 Transport channel parameters for Conversational / unknown / DL:64 kbps / CS RAB See clause 6.10.3.4.1.13.2.1.1.

6.10.3.4.1.51.2.1.2 Transport channel parameters for Interactive or background / DL:64 kbps / PS RAB See clause 6.10.3.4.1.25.2.1.1.

6.10.3.4.1.51.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.51.2.1.4 TFCS

TFCS size	20	
TFCS	(Conv. 64 kbps RAB, I/B 64 kbps RAB, DCCH)=	
	(TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF0, TF3, TF0), (TF0, TF4, TF0),	
	(TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF1, TF3, TF0), (TF1, TF4, TF0),	
	(TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF0, TF3, TF1), (TF0, TF4, TF1),	
	(TF1, TF0, TF1), (TF1, TF1, TF1), (TF1, TF2, TF1), (TF1, TF3, TF1), (TF1, TF4, TF1)	

6.10.3.4.1.51.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 8 codes x 1 time slot
	Max. Number of data bits/radio frame	2192 bits
	TFCI code word	16 bits
	Puncturing limit	0,48

6.10.3.4.1.52 Conversational / unknown / UL:64 DL:64 kbps / CS RAB

+ Interactive or background / UL:64 DL:128 kbps / PS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.52.1 Uplink

See clause 6.10.3.4.1.51.1.

6.10.3.4.1.52.2 Downlink

6.10.3.4.1.52.2.1 Transport channel parameters

6.10.3.4.1.52.2.1.1 Transport channel parameters for Conversational / unknown / DL:64 kbps / CS RAB

See clause 6.10.3.4.1.13.2.1.1.

6.10.3.4.1.52.2.1.2 Transport channel parameters for Interactive or background / DL:128 kbps / PS RAB

See clause 6.10.3.4.1.27.2.1.1.

6.10.3.4.1.52.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.52.2.1.4 TFCS

TFCS size	20	
TFCS	(Conv. 64 kbps RAB, I/B 128 kbps RAB, DCCH)=	
	(TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF0, TF3, TF0), (TF0, TF4, TF0),	
	(TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF1, TF3, TF0), (TF1, TF4, TF0),	
	(TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF0, TF3, TF1), (TF0, TF4, TF1),	
	(TF1, TF0, TF1), (TF1, TF1, TF1), (TF1, TF2, TF1), (TF1, TF3, TF1), (TF1, TF4, TF1)	

6.10.3.4.1.52.2.2 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	{SF16 x 8 codes x 1 time slot} +
		{SF16 x 5 codes x 1 time slot}
	Max. Number of data bits/radio frame	3156 bits
	TFCI code word	16 bits
	Puncturing limit	0,44

6.10.3.4.1.53 Conversational / unknown / UL:64 DL:64 kbps / CS RAB

+ Interactive or background / UL:128 DL:128 kbps / PS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.53.1 Uplink

6.10.3.4.1.53.1.1 Transport channel parameters

6.10.3.4.1.53.1.1.1 Transport channel parameters for Conversational / unknown / UL:64 kbps / CS RAB

See clause 6.10.3.4.1.13.1.1.1.

6.10.3.4.1.53.1.1.2 Transport channel parameters for Interactive or background / UL:128 kbps / PS RAB

See clause 6.10.3.4.1.28.1.1.1.

6.10.3.4.1.53.1.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.1.53.1.1.4 TFCS

TFCS size	20	
TFCS	(Conv. 64 kbps RAB, I/B 128kbps RAB, DCCH)=	
	(TF0, TF0, TF0), (TF0, TF1, TF0), (TF0, TF2, TF0), (TF0, TF3, TF0), (TF0, TF4, TF0),	
	(TF1, TF0, TF0), (TF1, TF1, TF0), (TF1, TF2, TF0), (TF1, TF3, TF0), (TF1, TF4, TF0),	
	(TF0, TF0, TF1), (TF0, TF1, TF1), (TF0, TF2, TF1), (TF0, TF3, TF1), (TF0, TF4, TF1),	
	(TF1, TF0, TF1), (TF1, TF1, TF1), (TF1, TF2, TF1), (TF1, TF3, TF1), (TF1, TF4, TF1)	

6.10.3.4.1.53.1.2 Physical channel parameters

DPCH Uplink	Midamble	512 chips
	Codes and time slots	{SF2 x 1 code x 1 time slot} +
		{SF16 x 1 code + SF4 x 1 code} x 1 time slot
	Max. Number of data bits/radio frame	3154 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.48

6.10.3.4.1.53.2 Downlink

See clause 6.10.3.4.1.52.2.

6.10.3.4.1.54 Interactive or background / UL:64 DL:128 kbps / PS RAB

+ Streaming / unknown / UL:0 DL:64 kbps / CS or PS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.54.1 Uplink

See clause 6.10.3.4.1.24.1.

6.10.3.4.1.54.2 Downlink

6.10.3.4.1.54.2.1 Transport channel parameters

6.10.3.4.1.54.2.1.1 Transport channel parameters for Interactive or background / DL:128 kbps / PS RAB

See clause 6.10.3.4.1.27.2.1.1.

6.10.3.4.1.54.2.1.2 Transport channel parameters for Streaming / unknown / DL:64 kbps / CS or PS RAB See clause 6.10.3.4.1.18.2.1.1.

6.10.3.4.1.54.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.54.2.1.4 TFCS

TFCS size	50
TFCS	(I/B 128 kbps RAB, Str. 64 kbps RAB, DCCH)=
	(TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF0, TF0), (TF3, TF0, TF0), (TF4, TF0, TF0),
	(TF0, TF1, TF0), (TF1, TF1, TF0), (TF2, TF1, TF0), (TF3, TF1, TF0), (TF4, TF1, TF0),
	(TF0, TF2, TF0), (TF1, TF2, TF0), (TF2, TF2, TF0), (TF3, TF2, TF0), (TF4, TF2, TF0),
	(TF0, TF3, TF0), (TF1, TF3, TF0), (TF2, TF3, TF0), (TF3, TF3, TF0), (TF4, TF3, TF0),
	(TF0, TF4, TF0), (TF1, TF4, TF0), (TF2, TF4, TF0), (TF3, TF4, TF0), (TF4, TF4, TF0),
	(TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF0, TF1), (TF3, TF0, TF1), (TF4, TF0, TF1),
	(TF0, TF1, TF1), (TF1, TF1, TF1), (TF2, TF1, TF1), (TF3, TF1, TF1), (TF4, TF1, TF1),
	(TF0, TF2, TF1), (TF1, TF2, TF1), (TF2, TF2, TF1), (TF3, TF2, TF1), (TF4, TF2, TF1),
	(TF0, TF3, TF1), (TF1, TF3, TF1), (TF2, TF3, TF1), (TF3, TF3, TF1), (TF4, TF3, TF1),
	(TF0, TF4, TF1), (TF1, TF4, TF1), (TF2, TF4, TF1), (TF3, TF4, TF1), (TF4, TF4, TF1)

6.10.3.4.1.54.2.4 Physical channel parameters

DPCH Downlink	Midamble	512 chips
	Codes and time slots	{SF16 x 8 codes x 1 time slot} +
		{SF16 x 5 codes x 1 time slot}
	Max. Number of data bits/radio frame	3140 bits
	TFCI code word	32 bits
	Puncturing limit	0,68

6.10.3.4.1.55 Interactive or background / UL:64 DL:128 kbps / PS RAB

+ Streaming / unknown / UL:0 DL:128 kbps / CS or PS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

6.10.3.4.1.55.1 Uplink

See clause 6.10.3.4.1.24.1.

6.10.3.4.1.55.2 Downlink

6.10.3.4.1.55.2.1 Transport channel parameters

6.10.3.4.1.55.2.1.1 Transport channel parameters for Interactive or background / DL:128 kbps / PS RAB

See clause 6.10.3.4.1.27.2.1.1.

6.10.3.4.1.55.2.1.2 Transport channel parameters for Streaming / unknown / DL:128 kbps / CS or PS RAB

See clause 6.10.3.4.1.20.2.1.1.

6.10.3.4.1.55.2.1.3 Transport channel parameters for DL:3.4 kbps SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.1.55.2.1.4 TFCS

TFCS size	60
TFCS	(I/B 128 kbps RAB, Str. 128 kbps RAB, DCCH)=
	(TF0, TF0, TF0), (TF1, TF0, TF0), (TF2, TF0, TF0), (TF3, TF0, TF0), (TF4, TF0, TF0),
	(TF0, TF1, TF0), (TF1, TF1, TF0), (TF2, TF1, TF0), (TF3, TF1, TF0), (TF4, TF1, TF0),
	(TF0, TF2, TF0), (TF1, TF2, TF0), (TF2, TF2, TF0), (TF3, TF2, TF0), (TF4, TF2, TF0),
	(TF0, TF3, TF0), (TF1, TF3, TF0), (TF2, TF3, TF0), (TF3, TF3, TF0), (TF4, TF3, TF0),
	(TF0, TF4, TF0), (TF1, TF4, TF0), (TF2, TF4, TF0), (TF3, TF4, TF0), (TF4, TF4, TF0),
	(TF0, TF5, TF0), (TF1, TF5, TF0), (TF2, TF5, TF0), (TF3, TF5, TF0), (TF4, TF5, TF0),
	(TF0, TF0, TF1), (TF1, TF0, TF1), (TF2, TF0, TF1), (TF3, TF0, TF1), (TF4, TF0, TF1),
	(TF0, TF1, TF1), (TF1, TF1), (TF2, TF1, TF1), (TF3, TF1, TF1), (TF4, TF1, TF1),
	(TF0, TF2, TF1), (TF1, TF2, TF1), (TF2, TF2, TF1), (TF3, TF2, TF1), (TF4, TF2, TF1),
	(TF0, TF3, TF1), (TF1, TF3, TF1), (TF2, TF3, TF1), (TF3, TF3, TF1), (TF4, TF3, TF1),
	(TF0, TF4, TF1), (TF1, TF4, TF1), (TF2, TF4, TF1), (TF3, TF4, TF1), (TF4, TF4, TF1)
	(TF0, TF5, TF1), (TF1, TF5, TF1), (TF2, TF5, TF1), (TF3, TF5, TF1), (TF4, TF5, TF1)

6.10.3.4.1.55.2.2 Physical channel parameters

DPCH Downlink	Midamble	256 chips
	Codes and time slots	SF16 x 8 codes x 1 time slot
	Max. Number of data bits/radio frame	2176 bits
	TFCI code word	32 bits
	Puncturing limit	0,48

6.10.3.4.2 Combinations on PDSCH, SCCPCH, PUSCH and PRACH

6.10.3.4.2.1 Interactive or background / UL: 64 DL: 256 kbps / PS RAB

+ UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH

+ UL: 16.8 DL: 16 kbps SRBs for SHCCH

6.10.3.4.2.1.1 Uplink

6.10.3.4.2.1.1.1 Transport channel parameters

6.10.3.4.2.1.1.1.1 Transport channel parameters for Interactive or background / UL: 64 kbps / PS RAB and UL SRB for SHCCH mapped on USCH

Higher Layer	RAB/Signalling RB		RAB	SRB#5
RLC	Logical	channel type	DTCH	SHCCH
	RLC mo	de	AM	TM
	Payload	sizes, bit	320	168
	Max data	a rate, bps	64000	16800
	AMD/Trl	D PDU header, bit	16	0
MAC	MAC he	ader, bit	0	0
	MAC mu	ultiplexing	N/A	N/A
Layer 1	TrCH typ	De .	USCH	USCH
	TB sizes	s, bit	336	168
	TFS	TF0, bits	0x336	0x168
		TF1, bits	1x336	1x168
		TF2, bits	2x336	N/A
		TF3, bits	3x336	N/A
		TF4, bits	4x336	N/A
	TTI, ms		20	10
	Coding t	type	TC	CC ½
	CRC, bit	t	16	16
	Max nur	nber of bits/TTI after channel coding	4236	384
	Max nun matchin	nber of bits/radio frame before rate	2118	384
	RM attril	bute	135-175	180-220

6.10.3.4.2.1.1.1.2 TFCS for USCH

TFCS size	10
TFCS	(64 kbps RAB, SHCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1),
	(TF3, TF1), (TF4, TF1)

6.10.3.4.2.1.1.1.3 Transport channel parameters for SRB for CCCH and UL SRBs for DCCH and UL SRB for SHCCH mapped on RACH

Higher	RAB/signalling RB	SRB#0	SRB#1	SRB#2	SRB#3	SRB#4	SRB#5
layer	User of Radio Bearer	RRC	RRC	RRC	NAS_DT	NAS_DT	RRC
					High prio	Low prio	
RLC	Logical channel type	CCCH	DCCH	DCCH	DCCH	DCCH	SHCCH
	RLC mode	TM	UM	AM	AM	AM	TM
	Payload sizes, bit	168	136	128	128	128	168
	Max data rate, bps	16800	13600	12800	12800	12800	16800
	AMD/UMD/TrD PDU header, bit	0	8	16	16	16	0

Higher	RAB/signalling RB	SRB#0	SRB#1	SRB#2	SRB#3	SRB#4	SRB#5		
layer	User of Radio Bearer	RRC	RRC	RRC	NAS_DT	NAS_DT	RRC		
					High prio	Low prio			
MAC	MAC header, bit	2	26	26	26	26	2		
	MAC multiplexing	6 logical channel multiplexing							
Layer 1	TrCH type			RA	CH				
-	TB sizes, bit	170	170	170	170	170	170		
	TFS TF0, bits	1x170							
	TTI, ms	10							
	Coding type	CC ½							
	CRC, bit			1	6				
	Max number of bits/TTI after channel coding	388	388	388	388	388	388		

6.10.3.4.2.1.1.2 Physical channel parameters

PUSCH	Midamble	512 chips
	Codes and time slots	{SF16 x 1 code + SF4 x 1 code}
		x 1 time slot
	Max. Number of data bits/radio frame	1202 bits
	TFCI code word	16 bits
	TPC	2 bits
	Puncturing Limit	0.48

PRACH	Midamble	512 chips
	Codes and time slots	SF8 (alt. SF16) x 1 code x 1
		time slot
	Max. Number of data bits/radio frame	464 (alt. 232)
	Puncturing Limit	1.0 (alt. 0.56)

6.10.3.4.2.1.2 Downlink

6.10.3.4.2.1.2.1 Transport channel parameters

6.10.3.4.2.1.2.1.1 Transport channel parameters for Interactive or background / DL: 256 kbps / PS RAB and DL SRB for SHCCH mapped on DSCH

Higher Layer	RAB/Signal	lling RB	RAB	SRB#5
RLC	Logical cha	nnel type	DTCH	SHCCH
	RLC mode		AM	UM
	Payload siz	es, bit	320	160
	Max data ra	ate, bps	256000	16000
	AMD/UMD	PDU header, bit	16	8
MAC	MAC heade	er, bit	0	0
	MAC multip	lexing	N/A	N/A
Layer 1	TrCH type		DSCH	DSCH
	TB sizes, bi	it	336	168
	TFS	TF0, bits	0x336	0x168
		TF1, bits	1x336	1x168
		TF2, bits	2x336	N/A
		TF3, bits	4x336	N/A
		TF4, bits	8x336	N/A
		TF5, bits	N/A (alt. 12x336)	N/A
		TF6, bits	N/A (alt. 16x336)	N/A
	TTI, ms		10 (alt. 20)	10
	Coding type	е	TC	CC ½
	CRC, bit		16	16
	Max number	er of bits/TTI after channel coding	8460 (alt. 16908)	384
	Downlink: No before rate	Max number of bits/radio frame matching	8460 (alt. 8454)	384
	RM attribute		135-175	180-220

6.10.3.4.2.1.2.1.2 TFCS for DSCH

TFCS size	10 (alt. 14)
TFCS	(256 kbps RAB, SHCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF0, TF1), (TF1, TF1), (TF2, TF1),
	(TF3, TF1), (TF4, TF1)
	(alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF1,
	TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1))

6.10.3.4.2.1.2.1.3 Transport channel parameters for DL SRBs for DCCH and SRB for CCCH and SRB for BCCH and DL SRB for SHCCH mapped on FACH

308

Higher	RAB/sign	alling RB	SRB#0	SRB#1	SRB#2	SRB#3	SRB#4	SRB#5	SRB#6	
layer	User of R	adio Bearer	RRC	RRC	RRC	NAS_DT	NAS_DT	RRC	RRC	
						High prio	Low prio			
RLC	Logical cl	hannel type	CCCH	DCCH	DCCH	DCCH	DCCH	SHCCH	BCCH	
	RLC mod	le	UM	UM	AM	AM	AM	UM	TM	
	Payload s	sizes, bit	160	136 or 120 (note)	128	128	128	160	168	
	Max data	rate, bps	32000 (alt. 48000)	27200 or 24000 (alt. 40800 or 36000)	25600 (alt. 38400)	25600 (alt. 38400)	25600 (alt. 38400)	32000 (alt. 48000)	33600 (alt. 50400)	
	AMD/UM header, b	D/TrD PDU oit	8	8	16	16	16	8	0	
MAC	MAC hea	der, bit	3	27 or 43	27	27	27	3	3	
	MAC mul	tiplexing		7 logical channel multiplexing						
Layer 1	TrCH type		FACH							
	TB sizes,	bit	171	171	171	171	171	171	171	
	TFS	TFS TF0, bits		0x171						
		TF1, bits		1x171						
		TF2, bits	2x171							
		TF3, bits		3x171						
		TF4, bits		4x171						
		TF5, bits				I/A (alt. 5x171				
		TF6, bits		N/A (alt. 6x171)						
	TTI, ms		20							
	Coding ty	/pe		CC ½						
	CRC, bit			T	T	16	1			
	Max num bits/TTI a coding	ber of Ifter channel	1528 (alt. 2292)	1528 (alt. 2292)	1528 (alt. 2292)	1528 (alt. 2292)	1528 (alt. 2292)	1528 (alt. 2292)	1528 (alt. 2292)	
	Max num		764 (alt.	764 (alt.	764 (alt.	764 (alt.	764 (alt.	764 (alt.	764 (alt.	
	bits/radio		1146)	1146)	1146)	1146)	1146)	1146)	1146)	
NOTE:	before rate matching									
NOTE:	MAC header size and RLC payload size depend on use of U-RNTI or C-RNTI.									

6.10.3.4.2.1.2.1.4 TFCS for FACH

TFCS size	5 (alt. 7)
TFCS	FACH = TF0, TF1, TF2, TF3, TF4 (alt. FACH = TF0, TF1, TF2, TF3, TF4, TF5, T F6)

6.10.3.4.2.1.2.2 Physical channel parameters

PDSCH	Midamble	256 chips
	Codes and time slots	SF16 x 8 codes x 2 time slots
	Max. Number of data bits/radio frame	4400 bits
	TFCI code word	16 bits
	Puncturing Limit	0.48

SCCPCH (burst	Midamble	512 chips
type 1)	Codes and time slots	SF16 x 5 codes x 1 time slot
	Max. Number of data bits/radio frame	1204 bits
	TFCI code word	16 bits
	Puncturing Limit	1

SCCPCH (burst	Midamble	256 chips
type 2)	Codes and time slots	SF16 x 5 codes x 1 time slot
	Max. Number of data bits/radio frame	1364 bits
	TFCI code word	16 bits
	Puncturing Limit	1

6.10.3.4.2.2

Interactive or background / UL: 64 DL: 384 kbps / PS RAB + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH

+ UL: 16.8 DL: 16 kbps SRBs for SHCCH

6.10.3.4.2.2.1 Uplink

See clause 6.10.3.4.2.1.1.

6.10.3.4.2.2.2 Downlink

6.10.3.4.2.2.2.1 Transport channel parameters

6.10.3.4.2.2.2.1.1 Transport channel parameters for Interactive or background / DL: 384 kbps / PS RAB and DL SRB for SHCCH mapped on DSCH

Higher Layer	RAB/Signalling RB	RAB	SRB#5
RLC	Logical channel type	DTCH	SHCCH
	RLC mode	AM	UM
	Payload sizes, bit	320	160
	Max data rate, bps	384000	16000
	AMD/UMD PDU header, bit	16	8
MAC	MAC header, bit	0	0
	MAC multiplexing	N/A	N/A
Layer 1	TrCH type	DSCH	DSCH
	TB sizes, bit	336	168
	TFS TF0, bits	0x336	0x168
	TF1, bits	1x336	1x168
	TF2, bits	2x336	N/A
	TF3, bits	4x336	N/A
	TF4, bits	8x336	N/A
	TF5, bits	12x336	N/A
	TF6, bits	N/A (alt. 16x336)	N/A
	TF7, bits	N/A (alt. 20x336)	N/A
	TF8, bits	N/A (alt. 24x336)	N/A
	TTI, ms	10 (alt. 20)	10
	Coding type	TC	CC ½
	CRC, bit	16	16
	Max number of bits/TTI after channel coding	12684 (alt. 25356)	384
	Downlink: Max number of bits/radio frame before rate matching	12684 (alt. 12678)	384
Î	RM attribute	135-175	180-220

6.10.3.4.2.2.2.1.2 TFCS for DSCH

TFCS size	12 (alt. 18)
TFCS	(384 kbps RAB, SHCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF0, TF1), (TF1, TF1),
	(TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1)
	(alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7,
	TF0), (TF8, TF0), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7,
	TF0), (TF8, TF0))

6.10.3.4.2.2.2.1.3 Transport channel parameters for DL SRBs for DCCH and SRB for CCCH and SRB for BCCH and DL SRB for SHCCH mapped on FACH

See clause 6.10.3.4.2.1.2.1.3.

6.10.3.4.2.2.2.1.4 TFCS for FACH

See clause 6.10.3.4.2.1.2.1.4.

6.10.3.4.2.2.2.2 Physical channel parameters

PDSCH	Midamble	256 chips
	Codes and time slots	SF16 x 8 codes x 3 time slots
	Max. Number of data bits/radio frame	6608 bits
	TFCI code word	16 bits
	Puncturing Limit	0.48

SCCPCH (burst	Midamble	512 chips
type 1)	Codes and time slots	SF16 x 5 codes x 1 time slot
	Max. Number of data bits/radio frame	1204 bits
	TFCI code word	16 bits
	Puncturing Limit	1

SCCPCH (burst	Midamble	256 chips
type 2)	Codes and time slots	SF16 x 5 codes x 1 time slot
	Max. Number of data bits/radio frame	1364 bits
	TFCI code word	16 bits
	Puncturing Limit	1

6.10.3.4.2.3

Interactive or background / UL: 64 DL: 2048 kbps / PS RAB + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH

+ UL: 16.8 DL: 16 kbps SRBs for SHCCH

6.10.3.4.2.3.1 Uplink

See clause 6.10.3.4.2.1.1.

6.10.3.4.2.3.2 Downlink

6.10.3.4.2.3.2.1 Transport channel parameters

6.10.3.4.2.3.2.1.1 Transport channel parameters for Interactive or background / DL: 2048 kbps / PS RAB and DL SRB for SHCCH mapped on DSCH

Higher	RAB/Signalling RB	RAB	SRB#5
Layer			
RLC	Logical channel type	DTCH	SHCCH
	RLC mode	AM	UM
	Payload sizes, bit	640	160
	Max data rate, bps	2048000	16000
	AMD/UMD PDU header, bit	16	8
MAC	MAC header, bit	0	0
	MAC multiplexing	N/A	N/A
Layer 1	TrCH type	DSCH	DSCH
	TB sizes, bit	656	168
	TFS TF0, bits	0x656	0x168
	TF1, bits	1x656	1x168
	TF2, bits	2x656	N/A
	TF3, bits	4x656	N/A
	TF4, bits	8x656	N/A
	TF5, bits	12x656	N/A
	TF6, bits	16x656	N/A
	TF7, bits	20x656	N/A
	TF8, bits	24x656	N/A
	TF9, bits	28x656	N/A
	TF10, bits	32x656	N/A
	TF11, bits	N/A (alt. 36x656)	N/A
	TF12, bits	N/A (alt. 40x656)	N/A
	TF13, bits	N/A (alt. 44x656)	N/A
	TF14, bits	N/A (alt. 48x656)	N/A
	TF15, bits	N/A (alt. 52x656)	N/A
	TF16, bits	N/A (alt. 56x656)	N/A
	TF17, bits	N/A (alt. 60x656)	N/A
	TF18, bits	N/A (alt. 64x656)	N/A
	TTI, ms	10 (alt. 20)	10
	Coding type	TC	CC ½
Ì	CRC, bit	16	16
	Max number of bits/TTI after channel coding	64524 (alt. 129036)	384
	Downlink: Max number of bits/radio frame	64524 (alt. 64518)	384
	before rate matching RM attribute	135-175	180-220

6.10.3.4.2.3.2.1.2 TFCS for DSCH

TFCS size	22 (alt. 38)
TFCS	(2048 kbps RAB, SHCCH)=
	(TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7, TF0),
	(TF8, TF0), (TF9, TF0), (TF10, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1),
	(TF8, TF1), (TF9, TF1), (TF10, TF1)
	(alt. (TF0, TF0), (TF1, TF0), (TF2, TF0), (TF3, TF0), (TF4, TF0), (TF5, TF0), (TF6, TF0), (TF7,
	TF0), (TF8, TF0), (TF9, TF0), (TF10, TF0), (TF11, TF0), (TF12, TF0), (TF13, TF0), (TF14, TF0),
	(TF15, TF0), (TF16, TF0), (TF17, TF0), (TF18, TF0),
	(TF0, TF1), (TF1, TF1), (TF2, TF1), (TF3, TF1), (TF4, TF1), (TF5, TF1), (TF6, TF1), (TF7, TF1),
	(TF8, TF1), (TF9, TF1), (TF10, TF1),(TF11, TF1), (TF12, TF1), (TF13, TF1), (TF14, TF1), (TF15,
	TF1), (TF16, TF1), (TF17, TF1), (TF18, TF1))

6.10.3.4.2.3.2.1.3 Transport channel parameters for DL SRBs for DCCH and SRB for CCCH and SRB for BCCH and DL SRB for SHCCH mapped on FACH

See clause 6.10.3.4.2.1.2.1.3.

6.10.3.4.2.3.2.1.4 TFCS for FACH

See clause 6.10.3.4.2.1.2.1.4.

6.10.3.4.2.3.2.2 Physical channel parameters

PDSCH	Midamble	256 chips
	Codes and time slots	SF16 x 12 codes x 11 time slots
	Max. Number of data bits/radio frame	36416 bits (alt. 36400 bits)
	TFCI code word	16 bits (alt. 32 bits)
	Puncturing Limit	0.56

SCCPCH (burst	Midamble	512 chips
type 1)	Codes and time slots	SF16 x 5 codes x 1 time slot
	Max. Number of data bits/radio frame	1204 bits
	TFCI code word	16 bits
	Puncturing Limit	1

SCCPCH (burst	Midamble	256 chips
type 2)	Codes and time slots	SF16 x 5 codes x 1 time slot
	Max. Number of data bits/radio frame	1364 bits
	TFCI code word	16 bits
	Puncturing Limit	1

6.10.3.4.3 Combinations on PDSCH, SCCPCH, DPCH, PUSCH and PRACH

6.10.3.4.3.1 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

+ Interactive or background / UL: 64 DL: 256 kbps / PS RAB

+ UL: 16.8 kbps SRBs for CCCH and SHCCH

+ DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH

6.10.3.4.3.1.1 Uplink

6.10.3.4.3.1.1.1 Transport channel parameters

6.10.3.4.3.1.1.1.1 Transport channel parameters for Conversational / speech / UL:12.2 / CS RAB

See clause 6.10.3.4.1.4.1.1.1.

6.10.3.4.3.1.1.1.2 Transport channel parameters for UL SRBs for DCCH

See clause 6.10.3.4.1.2.1.1.1.

6.10.3.4.3.1.1.1.3 TFCS for DCH

See clause 6.10.3.4.1.4.1.1.3.

6.10.3.4.3.1.1.1.4 Transport channel parameters for Interactive or background / UL: 64 kbps / PS RAB and UL SRB for SHCCH mapped on USCH

See clause 6.10.3.4.2.1.1.1.1.

6.10.3.4.3.1.1.1.5 TFCS for USCH

See clause 6.10.3.4.2.1.1.1.2.

6.10.3.4.3.1.1.1.6 Transport channel parameters for SRB for CCCH and UL SRB for SHCCH mapped on RACH

314

Higher layer	RAB/signalling RB	SRB#0	SRB#5
	User of Radio Bearer	RRC	RRC
RLC	Logical channel type	CCCH	SHCCH
	RLC mode	TM	TM
	Payload sizes, bit	168	168
	Max data rate, bps	16800	16800
	TrD PDU header, bit	0	0
MAC	MAC header, bit	2	2
	MAC multiplexing	2 logical chann	el multiplexing
Layer 1	TrCH type	RAG	CH
	TB sizes, bit	170	
	TFS TF0, bits	1x170	
	TTI, ms	10	
	Coding type	CC ½	
	CRC, bit	16	
	Max number of bits/TTI after	38	8
	channel coding		

6.10.3.4.3.1.1.2 Physical channel parameters

Physical channel parameters for uplink DPCH see 6.10.3.4.1.4.1.2.

Physical channel parameters for PUSCH see 6.10.3.4.2.1.1.2.

Physical channel parameters for PRACH see 6.10.3.4.2.1.1.2.

6.10.3.4.3.1.2 Downlink

6.10.3.4.3.1.2.1 Transport channel parameters

6.10.3.4.3.1.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

6.10.3.4.3.1.2.1.2 Transport channel parameters for DL SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.3.1.2.1.3 TFCS for DCH

See clause 6.10.3.4.1.4.2.1.3.

6.10.3.4.3.1.2.1.4 Transport channel parameters for Interactive or background / DL: 256 kbps / PS RAB and DL SRB for SHCCH mapped on DSCH

See clause 6.10.3.4.2.1.2.1.1.

6.10.3.4.3.1.2.1.5 TFCS for DSCH

See clause 6.10.3.4.2.1.2.1.2.

6.10.3.4.3.1.2.1.6 Transport channel parameters for SRB for CCCH and SRB for BCCH and DL SRB for SHCCH mapped on FACH

Higher	RAB/Sigi	nalling RB	SRB#0	SRB#5	SRB#6	
layer	User of F	Radio Bearer	RRC	RRC	RRC	
	Logical c	hannel type	CCCH	SHCCH	BCCH	
	RLC mod	de	UM	UM	TM	
RLC	Payload	sizes, bit	160	160	168	
	Max data	a rate, bps	32000	32000	33600	
	UMD/TrD PDU header, bit	PDU header, bit	8	8	0	
MAC	MAC hea	ader, bit		3		
IVIAO	MAC mu	Itiplexing	31	ogical channel multiplex	ing	
	TrCH typ	е	FACH			
	TB sizes	, bit	171			
		TF0, bits	0x171			
		TF1, bits	1x171			
	TFS	TF2, bits	2x171			
		TF3, bits		3x171		
Layer 1		TF4, bits		4x171		
Layo	TTI, ms		10			
	Coding to	ype	CC ½			
	CRC, bit		16			
	Max num	ber of bits/TTI after	1528			
	channel					
	Max number of bits/radio frame before rate matching			764		

6.10.3.4.3.1.2.1.7 TFCS for FACH

TFCS size	5
TFCS	FACH = TF0, TF1, TF2, TF3, TF4

6.10.3.4.3.1.2.2 Physical channel parameters

Physical channel parameters for downlink DPCH see 6.10.3.4.1.4.2.2.

Physical channel parameters for downlink PDSCH see 6.10.3.4.2.1.2.2.

Physical channel parameters for SCCPCH see 6.10.3.4.2.1.2.2.

6.10.3.4.3.2 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

+ Interactive or background / UL: 64 DL: 384 kbps / PS RAB

+ UL: 16.8 kbps SRBs for CCCH and SHCCH

+ DL: 33.6 kbps SRBs for CCCH, SHCCH and BCCH

6.10.3.4.3.2.1 Uplink

See clause 6.10.3.4.3.1.1.

6.10.3.4.3.2.2 Downlink

6.10.3.4.3.2.2.1 Transport channel parameters

6.10.3.4.3.2.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

6.10.3.4.3.2.2.1.2 Transport channel parameters for DL SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.3.2.2.1.3 TFCS for DCH

See clause 6.10.3.4.1.4.2.1.3.

6.10.3.4.3.2.2.1.4 Transport channel parameters for Interactive or background / DL: 384 kbps / PS RAB and DL SRB for SHCCH mapped on DSCH

See clause 6.10.3.4.2.2.2.1.1.

6.10.3.4.3.2.2.1.5 TFCS for DSCH

See clause 6.10.3.4.2.2.2.1.2.

6.10.3.4.3.2.2.1.6 Transport channel parameters for SRB for CCCH and SRB for BCCH and DL SRB for SHCCH mapped on FACH

See clause 6.10.3.4.3.1.2.1.6.

6.10.3.4.3.2.2.1.7 TFCS for FACH

See clause 6.10.3.4.3.1.2.1.7.

6.10.3.4.3.2.2.2 Physical channel parameters

Physical channel parameters for downlink DPCH see 6.10.3.4.1.4.2.2.

Physical channel parameters for PDSCH see 6.10.3.4.2.2.2.2.

Physical channel parameters for SCCPCH see 6.10.3.4.2.1.2.2.

6.10.3.4.3.3 Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB

+ UL:3.4 DL:3.4 kbps SRBs for DCCH

+ Interactive or background / UL: 64 DL: 2048 kbps / PS RAB

+ UL: 16.8 kbps SRBs for CCCH and SHCCH

+ DL: 33.6 kbps SRBs for CCCH, SHCCH and BCCH

6.10.3.4.3.3.1 Uplink

See clause 6.10.3.4.3.1.1.

6.10.3.4.3.3.2 Downlink

6.10.3.4.3.3.2.1 Transport channel parameters

6.10.3.4.3.3.2.1.1 Transport channel parameters for Conversational / speech / DL:12.2 kbps / CS RAB

See clause 6.10.3.4.1.4.2.1.1.

6.10.3.4.3.3.2.1.2 Transport channel parameters for DL SRBs for DCCH

See clause 6.10.3.4.1.2.2.1.1.

6.10.3.4.3.3.2.1.3 TFCS for DCH

See clause 6.10.3.4.1.4.2.1.3.

6.10.3.4.3.3.2.1.4 Transport channel parameters for Interactive or background / DL: 2048 kbps / PS RAB and DL SRB for SHCCH mapped on DSCH

See clause 6.10.3.4.2.3.2.1.1.

6.10.3.4.3.3.2.1.5 TFCS for DSCH

See clause 6.10.3.4.2.3.2.1.2.

6.10.3.4.3.3.2.1.6 Transport channel parameters for SRB for CCCH and SRB for BCCH and DL SRB for SHCCH mapped on FACH

See clause 6.10.3.4.3.1.2.1.6.

6.10.3.4.3.3.2.1.7 TFCS for FACH

See clause 6.10.3.4.3.1.2.1.7.

6.10.3.4.3.3.2.2 Physical channel parameters

Physical channel parameters for downlink DPCH see 6.10.3.4.1.4.2.2.

Physical channel parameters for PDSCH see 6.10.3.4.2.3.2.2.

Physical channel parameters for SCCPCH see 6.10.3.4.2.1.2.2.

6.10.3.4.4 Combinations on SCCPCH

6.10.3.4.4.1 Stand-alone signalling RB for PCCH

6.10.3.4.4.1.1 Transport channel parameters

6.10.3.4.4.1.1.1 Transport channel parameter of SRB for PCCH

Higher layer	RAB/signalling RB User of Radio Bearer		SRB
			RRC
RLC	Logical channe	l type	PCCH
	RLC mode	• •	TM
	Payload sizes,	bit	240 (alt. 80)
	Max data rate,	bps	24000 (alt. 8000)
	TrD PDU head	er, bit	0
MAC	MAC header, b	it	0
	MAC multiplexi	ng	N/A
Layer 1	TrCH type		PCH
	TB sizes, bit		240 (alt. 80)
	TFS	TF0, bts	0x240 (alt. 0x80)
		TF1, bits	1x240 (alt. 1x80)
		TF2, bits	2x240 (alt.2x80)
	TTI, ms		20
	Coding type		CC ½
	CRC, bit		16
	Max number of	bits/TTI before rate	1056 (alt. 400)
	matching		
		bits/radio frame before	528 (alt. 200)
	rate matching RM attribute		210-250

6.10.3.4.4.1.1.2 TFCS

TFCS size	3
TFCS	SRBs for PCCH = TF0, TF1, TF2

6.10.3.4.2.1.2 Physical channel parameters

S-CCPCH	Midamble	512 chips
	Codes and time slots	SF16 x 2 codes x 1 time slot
	Max. Number of data bits/radio frame	472 bits
	TFCI code word	16 bits
	Puncturing limit	0,88

6.10.3.4.4.2 Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH

6.10.3.4.4.2.1 Transport channel parameters

6.10.3.4.4.2.1.1 Transport channel parameters for Interactive/Background 32 kbps PS RAB

Higher	RAB/signalling RB		RAB
layer	User of Radio Bearer		Interactive/ Background RAB
RLC	Logical channel type		DTCH
	RLC mode		AM
	Payload sizes, bit		320
	Max data rate, bps		32000
	AMD PDU header, bit		16
MAC	MAC header, bit		27
IVIAC	MAC multiplexing		N/A
Layer 1	TrCH type		FACH
	TB sizes, bit		363
	TF	D, bits	0 x363
	TFS TF	1, bits	1x363
	TF:	2, bits	2x 363
	TTI, ms		20
	Coding type		TC
	CRC, bit		16
	Max number of bits/TT	I before rate matching	2286
	Max number of bits/rac matching	lio frame before rate	1143
	RM attribute		110-150

6.10.3.4.4.2.1.2 Transport channel parameters of SRBs for CCCH, SRB for DCCH, and SRB for BCCH

Higher	RAB/signall	ing RB	SRB#0	SRB#1	SRB#2	SRB#3	SRB#4	SRB#5
layer	User of Rad	lio Bearer	RRC	RRC	RRC	NAS_DT High prio	NAS_DT Low prio	RRC
RLC	Logical char	nnel type	CCCH	DCCH	DCCH	DCCH	DCCH	BCCH
	RLC mode		UM	UM	AM	AM	AM	TM
	Payload size	es, bit	160	136 or 120 (note)	128	128	128	168
	Max data ra	te, bps	32000 (alt. 48000)	27200 or 2400 (alt. 40800 or 36000)	25600 (alt. 38400)	25600 (alt. 38400)	25600 (alt. 38400)	33600 (alt. 50400)
	AMD/UMD/ bit	TrD PDU header,	8	8	16	16	16	0
MAC	MAC heade	r, bit	3	27 or 43	27	27	27	3
IVIAO	MAC multip	lexing		6	logical chann	el multiplexir	ng	
Layer 1	TrCH type		FACH					
	TB sizes, bit	t	171					
		TF0, bits	0x171					
		TF1, bits	1x171					
		TF2, bits	2x171					
	TFS	TF3, bits	3x171					
		TF4, bits	4x171					
		TF5, bits	N/A (alt. 5x171)					
		TF6, bits	N/A (alt. 6x171)					
	TTI, ms		20					
	Coding type	}	CC ½					
	CRC, bit		16					
	Max number of bits/TTI before rate matching Max number of bits/radio frame before rate matching		1528 (alt. 2292)					
			764 (alt.1146)					
	RM attribute		<u> </u>		200-			
NOTE:	: MAC header size and RLC payload size depend on use of U-RNTI or C-RNTI.							

6.10.3.4.4.2.1.3 TFCS

TFCS size	15 (alt. 21)
TFCS	(32kbps RAB, SRBs for CCCH/DCCH/BCCH) =
	(TF0, TF0), (TF0, TF1), (TF0, TF2), (TF0, TF3), (TF0, TF4),(TF1, TF0), (TF1, TF1), (TF1, TF2),
	(TF1, TF3), (TF1, TF4),(TF2, TF0), (TF2, TF1), (TF2, TF2), (TF2, TF3), (TF2, TF4)
	(alt. (TF0, TF0), (TF0, TF1), (TF0, TF2), (TF0, TF3), (TF0, TF4), (TF0, TF5), (TF0, TF6),
	(TF1, TF0), (TF1, TF1), (TF1, TF2), (TF1, TF3), (TF1, TF4), (TF1, TF5), (TF1, TF6),
	(TF2, TF0), (TF2, TF1), (TF2, TF2), (TF2, TF3), (TF2, TF4), (TF2, TF5), (TF2, TF6))

6.10.3.4.4.2.2 Physical channel parameters

(burst type 1):

S-CCPCH	Midamble	512 chips
	Codes and time slots	SF16 x 6 codes x 1 time slot
	Max. Number of data bits/radio frame	1448 bits
	TFCI code word	16 bits
	Puncturing limit	0,6

(burst type 2):

S-CCPCH	Midamble	256 chips
	Codes and time slots	SF16 x 6 codes x 1 time slot
	Max. Number of data bits/radio frame	1640 bits
	TFCI code word	16 bits
	Puncturing limit	0,68

6.10.3.4.4.3 Interactive/Background 32 kbps RAB + SRB for PCCH + SRB for CCCH + SRB for DCCH + SRB for BCCH

6.10.3.4.4.3.1 Transport channel parameters

6.10.3.4.4.3.1.1 Transport channel parameters of SRB for Interactive/Background 32 kbps RAB

See clause 6.10.3.4.4.2.1.

6.10.3.4.4.3.1.2 Transport channel parameters of SRB for PCCH

See clause 6.10.3.4.4.1.1.

6.10.3.4.4.3.1.3 Transport channel parameters of SRBs for CCCH, SRB for DCCH, and SRB for BCCH

See clause 6.10.3.4.4.2.1.2.

6.10.3.4.4.3.1.4 TFCS

TFCS size	45 (alt.63)
TFCS	(32 kbps RAB, SRB for PCCH, SRBs for CCCH/ DCCH/ BCCH) =
	(TF0, TF0, TF0), (TF0, TF1), (TF0, TF0, TF2), (TF0, TF0, TF3), (TF0, TF0, TF4), (TF0,
	TF1, TF0), (TF0, TF1, TF1), (TF0, TF1, TF2), (TF0, TF1, TF3), (TF0, TF1, TF4),(TF0, TF2, TF0),
	(TF0, TF2, TF1), (TF0, TF2, TF2), (TF0, TF2, TF3), (TF0, TF2, TF4),(TF1, TF0, TF0), (TF1, TF0,
	TF1), (TF1, TF0, TF2), (TF1, TF0, TF3), (TF1, TF0, TF4),(TF1, TF1, TF0), (TF1, TF1, TF1),
	(TF1, TF1, TF2), (TF1, TF1, TF3), (TF1, TF1, TF4), (TF1, TF2, TF0), (TF1, TF2, TF1), (TF1, TF2,
	TF2), (TF1, TF2, TF3), (TF1, TF2, TF4),(TF2, TF0, TF0), (TF2, TF0, TF1), (TF2, TF0, TF2),
	(TF2, TF0, TF3), (TF2, TF0, TF4),(TF2, TF1, TF0), (TF2, TF1, TF1), (TF2, TF1, TF2), (TF2, TF1,
	TF3), (TF2, TF1, TF4),(TF2, TF2, TF0), (TF2, TF2, TF1), (TF2, TF2, TF2), (TF2, TF3),
	(TF2, TF2, TF4)
	(alt. (TF0, TF0, TF0), (TF0, TF1), (TF0, TF0, TF2), (TF0, TF0, TF3), (TF0, TF0, TF4), (TF0,
	TF0, 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)
	TF2), (TF0, TF2, TF3), (TF0, TF2, TF4), (TF0, TF2, TF5), (TF0, TF2, TF6), (TF1, TF2, TF3), (TF1, TF2, TF3), (TF1, TF2, TF3), (TF1, TF2, TF3), (TF1, TF3, TF3, TF3, TF3), (TF1, TF3, TF3, TF3, TF3, TF3, TF3, TF3, TF3
	(TF1, TF0, TF0), (TF1, TF0, TF1), (TF1, TF0, TF2), (TF1, TF0, TF3), (TF1, TF0, TF4), (TF1, TF0, TF1), (TF1, TF0, TF1), (TF1, TF1, TF1, TF1), (TF1, TF1, TF1, TF1), (TF1, TF1, TF1, TF1), (TF1, TF1, TF1, TF1, TF1, TF1, TF1, TF1,
	TF0, TF5), (TF1, TF0, TF6), (TF1, TF1, TF0), (TF1, TF1, TF1), (TF1, TF1, TF2), (TF1, TF1, TF3), (TF1, TF2, TF3, TF3, TF3, TF3, TF3, TF3, TF3, TF3
	(TF1, TF1, TF4), (TF1, TF1, TF5), (TF1, TF1, TF6), (TF1, TF2, TF0), (TF1, TF2, TF1), (TF1, TF2, TF2)
	TF2), (TF1, TF2, TF3), (TF1, TF2, TF4), (TF1, TF2, TF5), (TF1, TF2, TF6), (TF3, TF0, TF3), (TF3, TF3, TF3, TF0, TF3), (TF3, TF3, TF3, TF3, TF3, TF3, TF3), (TF3, TF3, TF3, TF3, TF3, TF3, TF3, TF3,
	(TF2, TF0, TF0), (TF2, TF0, TF1), (TF2, TF0, TF2), (TF2, TF0, TF3), (TF2, TF0, TF4), (TF2, TF4, TF2), (TF2, TF4, TF4), (TF4, TF4, TF4), (TF4, TF4, TF4), (TF4, TF4, TF4, TF4), (TF4, TF4, TF4, TF4), (TF4, TF4, TF4, TF4, TF4, TF4, TF4, TF4,
	TF0, TF5), (TF2, TF0, TF6), (TF2, TF1, TF0), (TF2, TF1, TF1), (TF2, TF1, TF2), (TF2, TF1, TF3), (TF2, TF3, TF3), (TF2, TF3, TF3), (TF3, TF3, TF3, TF3, TF3), (TF3, TF3, TF3, TF3, TF3, TF3, TF3), (TF3, TF3, TF3, TF3, TF3, TF3, TF3, TF3,
	(TF2, TF1, TF4), (TF2, TF1, TF5), (TF2, TF1, TF6), (TF2, TF2, TF0), (TF2, TF2, TF1), (TF2, TF2, TF3), (TF2, TF3, TF3), (TF3, TF3, TF3, TF3), (TF3, TF3, TF3, TF3), (TF3, TF3, TF3, TF3), (TF3, TF3, TF3, TF3, TF3, TF3), (TF3, TF3, TF3, TF3, TF3, TF3, TF3, TF3,
	TF2), (TF2, TF2, TF3), (TF2, TF2, TF4), (TF2, TF2, TF5) (TF2, TF2, TF6))

6.10.3.4.4.3.2 Physical channel parameters

(burst type 1):

S-CCPCH	Midamble	512 chips
	Codes and time slots	SF16 x 8 codes x 1 time slot
	Max. Number of data bits/radio frame	1920 bits
	TFCI code word	32 bits
	Puncturing limit	0,68

(burst type 2):

S-CCPCH	Midamble	256 chips	
	Codes and time slots	SF16 x 7 codes x 1 time slot	
	Max. Number of data bits/radio frame	1900 bits	
	TFCI code word	32 bits	
	Puncturing limit	0,64	

6.10.3.4.5 Combinations on PRACH

6.10.3.4.5.1 SRB for CCCH + SRB for DCCH

6.10.3.4.5.1.1 Transport channel parameters

6.10.3.4.5.1.1.1 Transport channel parameter for SRB for CCCH, SRB for DCCH

Higher	RAB/signalling RB	SRB#0 SRB#1		SRB#2	SRB#3	SRB#4	
layer	User of Radio Bearer	RRC	RRC	RRC	NAS_DT	NAS_DT	
					High prio	Low prio	
RLC	Logical channel type	CCCH	DCCH	DCCH	DCCH	DCCH	
	RLC mode	TM	UM	AM	AM	AM	
	Payload sizes, bit	168	136	128	128	128	
	Max data rate, bps	16800	13600	12800	12800	12800	
	AMD/UMD/TrD PDU	0	8	16	16	16	
	header, bit						
MAC	MAC header, bit	2	26	26	26	26	
	MAC multiplexing		5 logical channel multiplexing				
Layer 1	TrCH type	RACH					
	TB sizes, bit	170	170	170	170	170	
	TFS TF0, bits			1x170			
	TTI, ms	10					
	Coding type	CC ½					
	CRC, bit	16					
	Max number of	388	388	388	388	388	
	bits/TTI after channel						
	coding						
	Max number of	388	388	388	388	388	
	bits/Radio frame						
	before rate matching						

6.10.3.4.5.1.1.2 TFCS

TFCS size	1
TFCS	SRBs for CCCH/ DCCH = TF0

6.10.3.4.5.1.2 Physical channel parameters

PRACH	Midamble	512 chips
	Codes and time slots	SF8 (alt. SF16) x 1 code x 1
		time slot
	Max. Number of data bits/radio frame	488 bits (alt. 244 bits)
	Puncturing Limit	1.0 (alt. 0.75)

6.11 Common Radio Bearer configurations for other test purposes

The common radio bearer configurations are used for functional testing of various UE functions. Only common configurations that are used by multiple test cases and are not covered by the reference radio bearer configurations in clause 6.10 are specified in the present clause. Radio bearer configurations only used by a single test case are specified in the actual test case itself.

NOTE: If not specifically specified then the mid-value of the RM attribute value range as specified by the actual reference radio bearer configuration shall be applied for testing.

6.11.1 Unacknowledged Mode Radio Bearer configuration (7 bit Length Indicator)

This configuration is based on the Interactive or background / UL:64 DL 64 kbps / PS RAB + UL:3.4 DL 3.4 kbps SRBs for DCCH (see TS 34.108 clause 6.10.2.4.1.26) with the transport channels parameters of the RAB defined as followed:

Transport channel parameters for the Uplink RAB

Higher layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	UM
	Payload sizes, bit	328
	Max data rate, bps	65600
	UMD PDU header, bit	8
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	336
	TFS TF0, bits	0x336
	TF1, bits	1x336
	TF2, bits	2x336(Note1)
	TF3, bits	3x336(Note1)
	TF4, bits	4x336(Note1)
	TTI, ms	20
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	4236
	Uplink: Max number of bits/radio frame before rate matching	2118
	RM attribute	130-170

Transport channel parameters for the Downlink RAB

Higher layer		RAB/Signalling RB	RAB
RLC	Logical channel type		DTCH
	RLC mod	de	UM
	Payload	sizes, bit	328
	Max data	a rate, bps	65600
	UMD PD	U header, bit	8
MAC	MAC hea	ader, bit	0
	MAC mu	ltiplexing	N/A
Layer 1	TrCH type		DCH
	TB sizes		336
	TFS	TF0, bits	0x336
		TF1, bits	1x336
		TF2, bits	2x336 (note)
		TF3, bits	3x336 (note)
		TF4, bits	4x336 (note)
	TTI, ms		20
	Coding type		TC
	CRC, bit		16
	Max number of bits/TTI after channel coding		4236
	RM attribute		130-170
NOTE: T	OTE: This TFI is not applied to TFS for RLC test cases.		

6.11.2 Unacknowledged Mode Radio Bearer configuration (15 bit Length Indicator)

This configuration is based on the Interactive or background / UL:64 DL 64 kbps / PS RAB + UL:3.4 DL 3.4 kbps SRBs for DCCH (see TS 34.108 clause 6.10.2.4.1.26) with the transport channels parameters of the RAB defined as followed:

Transport channel parameters for the Uplink RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	UM	
	Payload sizes, bit	1336	
	Max data rate, bps	66800	
	UMD PDU header, bit	8	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
	TB sizes, bit	1344	
	TFS TF0, bits	0x1344	
	TF1, bits	1x1344	
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	4236	
	Uplink: Max number of bits/radio frame before rate matching	2118	
	RM attribute	130-170	

Transport channel parameters for the Downlink RAB

Higher layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	UM
	Payload sizes, bit	1336
	Max data rate, bps	66800
	UMD PDU header, bit	8
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	1344
	TFS TF0, bits	0x1344
	TF1, bits	1x1344
	TTI, ms	20
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	4236
	RM attribute	130-170

6.11.3 Acknowledged Mode Radio Bearer configuration (7 bit Length Indicator)

Transport channel parameters for the Uplink RAB

See clause 6.10.2.4.1.24.1.

Transport channel parameters for the Downlink RAB

See clause 6.10.2.4.1.25.2.

6.11.4 Acknowledged Mode Radio Bearer configuration (15 bit Length Indicator)

This configuration is based on the Interactive or background / UL:64 DL 64 kbps / PS RAB + UL:3.4 DL 3.4 kbps SRBs for DCCH (see TS 34.108 clause 6.10.2.4.1.26) with the transport channels parameters of the RAB defined as followed.

Transport channel parameters for the Uplink RAB

Higher layer	RAB/Signalling RB	RAB	
RLC	Logical channel type	DTCH	
	RLC mode	AM	
	Payload sizes, bit	1328	
	Max data rate, bps	66400	
	AMD PDU header, bit	16	
MAC	MAC header, bit	0	
	MAC multiplexing	N/A	
Layer 1	TrCH type	DCH	
-	TB sizes, bit	1344	
	TFS TF0, bits	0x1344	
	TF1, bits	1x1344	
	TTI, ms	20	
	Coding type	TC	
	CRC, bit	16	
	Max number of bits/TTI after channel coding	4236	
	Uplink: Max number of bits/radio frame before	2118	
	rate matching		
	RM attribute	130-170	

Transport channel parameters for the Downlink RAB

Higher layer	RAB/Signalling RB	RAB
RLC	Logical channel type	DTCH
	RLC mode	AM
	Payload sizes, bit	1328
	Max data rate, bps	66400
	AMD PDU header, bit	16
MAC	MAC header, bit	0
	MAC multiplexing	N/A
Layer 1	TrCH type	DCH
	TB sizes, bit	1344
	TFS TF0, bits	0x1344
	TF1, bits	1x1344
	TTI, ms	20
	Coding type	TC
	CRC, bit	16
	Max number of bits/TTI after channel coding	4236
	RM attribute	130-170

7 Generic setup procedures

7.1 Basic Generic Procedures

7.1.1 UE Test States for Basic Generic Procedures

This clause describes a set of procedures for use by test cases in TS 34.123-1. Describing these procedures in a generic manner allows their use in many test cases. By using these procedures, test case descriptions need not detail signalling that is not relevant to its purpose or understanding.

The procedures are based upon default values that are adapted to the most common usage. Test cases that require values different from the default will, when specifying the Basic Generic Procedure, also specify those parameters that are modified.

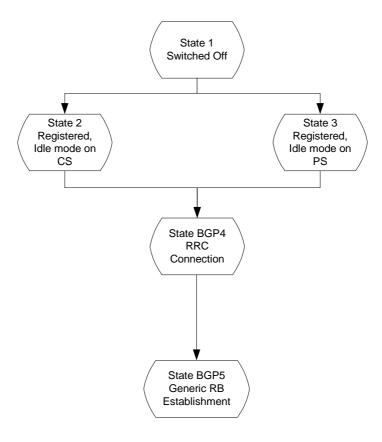


Figure 7.1.1: UE Test States for Basic Generic Procedures

In order that the UE can set up a call in UTRAN, there are a number of procedures to be undertaken in a hierarchical sequence to move between known states. The sequences are shown in figure 7.1.1 and the status of the relevant protocols in the UE in the different states are given in table 7.1.1.

Table 7.1.1: The UE states

		RRC	CC	MM	SM	GMM
State 1	Power OFF		null	detached	inactive	detached
State 2	CS Registered Idle Mode	idle	null	idle	inactive	detached
State 3	PS Registered Idle Mode	idle	null	detached	inactive	idle
State BGP4	RRC Connection	connected	null	as previous	inactive	as previous
State BGP5	Generic RB Establishment	connected	null	as previous	inactive	as previous

7.1.2 Mobile terminated establishment of Radio Resource Connection

7.1.2.1 Initial conditions

System Simulator:

The system simulator will start from the default idle state. Parameters will the default parameters for a single cell, unless otherwise specified in the test case.

User Equipment:

Unless otherwise specified in the test case, the UE will be in the following state:

- Default test operating conditions.

The UE shall have followed the generic registration procedure for CS or PS operations, and will be in Idle Mode, Camped-on (State 2 or State 3).

7.1.2.2 Definition of system information messages

The default system information messages are used.

7.1.2.3 Procedure

- The SS sends a PAGING TYPE 1 message to the UE on the appropriate paging block, and with the IE "Paging record" containing the TMSI or P-TMSI of the UUT.
- The SS receives an RRC CONNECTION REQUEST message from the UE.
- On receipt of the RRC CONNECTION REQUEST the SS shall transmit a RRC CONNECTION SETUP message to the UE. The SS shall wait for the receipt of an RRC CONNECTION SETUP COMPLETE message from the UE.
- On receipt of an RRC CONNECTION SETUP COMPLETE message, the procedure is complete.

Step	Direction	Message	Comments
	UE SS		
1	←	SYSTEM INFORMATION (BCCH)	Default SI messages
2	←	PAGING TYPE 1 (PCCH)	Sent on appropriate cycle
3	\rightarrow	RRC CONNECTION REQUEST (CCCH)	RRC
4	←	RRC CONNECTION SETUP (CCCH)	RRC
5	\rightarrow	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC

7.1.2.4 Specific message contents

7.1.2.4.1 **PAGING TYPE 1**

This message is sent from the SS to the UE, using the TM RLC SAP, on the PCCH logical channel:

	Value/Remark			
Message Type	PAGING TYPE 1			
UE Information elem	ents			
Paging record list	Paging record	CN originator	Paging cause	Terminating Speech Call (note)
			CN domain identity	CS domain (note)
			TMSI (GSM-MAP)	As specified during Registration procedure
Other information el	ements			
BCCH modification info				omit
				erwise, the Paging cause and

7.1.2.4.2 RRC CONNECTION REQUEST

This message is sent by the UE to the SS using the TM-RLC SAP. It is sent on the CCCH Logical channel.

Information Element			Value/Remark
Message Type		RRC CONNECTION	
			REQUEST
UE information elemen	ts		
Initial UE identity	TMSI and LAI	TMSI (GSM-MAP)	As specified during
-			Registration procedure
		LAI (GSM-MAP)	As specified by default 1 cell
			environment
Initial UE capability	Maximum numbe	er of AM entities	As declared in UE ICS
Establishment cause			As appropriate
Protocol error indicator			FALSE
Measurement informati	ion elements		
Measured results on RA	CH		Not checked

7.1.2.4.3 RRC CONNECTION SETUP

This message is sent from the SS to the UE using the UM-RLC SAP. The message is sent on the CCCH Logical channel.

The default RRC CONNECTION SETUP message for the transition to connected mode CELL_DCH is used except for the IE fields specified below.

Information Element		Value/Remark
Message Type		RRC CONNECTION SETUP
UE Information Elements		
Initial UE identity	TMSI and LAI	As specified during Registration procedure
		As specified by default 1 cell environment
RB Information Elements		
Use default		
TrCH Information Elements		
Use default		
Frequency info		As specified by default 1 cell environment
Uplink radio resources		
Use default		
Downlink radio resources		
Use default		

7.1.2.4.4 RRC CONNECTION SETUP COMPLETE

This message is sent by the UE to the SS using AM-RLC SAP. The message is sent on the DCCH Logical channel.

Information Element			Value/Remark
Message Type			RRC CONNECTION SETUP
			COMPLETE
UE Information Elements			
Hyper frame number	To		Not checked
UE radio access capability	Conformance test		R99
	PDCP capability	Support for lossless SRNS relocation	Not checked
		Supported algorithm types	Not checked
	RLC capability	Total RLC AM buffer size	Not checked
	i teo capaciity	Maximum number of AM	Not checked
		entities	
	Transport channel capability	Downlink	
	, ,	Max no of bits received	Not checked
		Max convolutionally coded bits received	Not checked
		Max turbo coded bits received	Not checked
		Maximum number of simultaneous transport channels	Not checked
		Max no of received transport blocks	Not checked
		Maximum number of TFC in the TFCS	Not checked
		Maximum number of TF	Not checked
		Support for turbo decoding	Not checked
		Uplink	T
		Max no of bits transmitted	Not checked
		Max convolutionally coded bits received	Not checked
		Max turbo coded bits received	Not checked
		Maximum number of simultaneous transport channels	Not checked
		Max no of transmitted transport blocks	Not checked
		Maximum number of TFC in the TFCS	Not checked
		Maximum number of TF	Not checked
	DE LUC	Support for turbo encoding	Not checked
	RF capability	UE power class	As declared for UE
	Physical channel capability	Tx/Rx frequency separation Downlink	Not checked
		Maximum number of simultaneous CCTrCH	Not checked
		Max no DPCH/PDSCH codes	Not checked
-		Max no physical channel bits received	Not checked
		Support for SF 512	Not checked
		Support of PDSCH	Not checked
		Simultaneous reception of SCCPCH and DPCH	Not checked
		Max no of S-CCPCH RL	Not checked
		Uplink Maximum number of DPDCH bits transmitted per 10 ms	Not checked
		Support of PCPCH	Not checked
		Toubbout of LOLOLI	I vot dilediced

Information Element			Value/Remark
	UE multi- mode/multi-RAT capability	Multi-RAT capability	
		Multi-mode capability	FDD or FDD/TDD
	Security capability	Ciphering algorithm capability	Not checked
		Integrity protection algorithm capability	Not checked
	LCS capability	Standalone location method(s) supported	Not checked
		UE based OTDOA supported	Not checked
		Network Assisted GPS support	Not checked
		GPS reference time capable	Not checked
		Support for IPDL	Not checked
	Measurement capability	Need for downlink compressed mode	Not checked
		FDD measurements DL	Not checked
		TDD measurements DL	Not checke
		GSM 900 DL	Not checked
		DCS 1800 DL	Not checked
		GSM 1900 DL	Not checked
		Multi-carrier measurement DL	Not checked
		Need for uplink compressed mode	Not checked
		FDD measurements UL	Not checked
		TDD measurements UL	Not checked
		GSM 900 UL	Not checked
		DCS 1800 UL	Not checked
		GSM 1900 UL	Not checked
		Multi-carrier measurement UL	Not checked
UE system specific capabil	ity		Not checked

7.1.3 Radio Bearer Setup Procedure

7.1.3.1 Initial conditions

The procedure specified in clause 7.1.2 will be run. This procedure starts from the successful completion of clause 7.1.2.

7.1.3.2 Definition of system information messages

The default system information messages are used.

7.1.3.3 Procedure

- The SS sends a RADIO BEARER SETUP message to the UE on the DCCH established by the RRC Connection Establishment procedure.
- The SS receives a RADIO BEARER SETUP COMPLETE message from the UE in RLC Acknowledged mode on the DCCH.

On receiption of the RADIO BEARER SETUP COMPLETE the procedure is complete.

Step	Direction	Message	Comments
	UE SS		
1	←	RADIO BEARER SETUP (DCCH)	RRC
2	\rightarrow	RADIO BEARER SETUP COMPLETE (DCCH)	RRC

7.1.3.4 Specific message contents

7.1.3.4.1 RADIO BEARER SETUP

The RADIO BEARER SETUP message is sent from the System Simulator to the UE, using AM-RLC on the DCCH logical channel.

The default RRC CONNECTION SETUP message for the setup of a speech radio access bearer is used except for the IE fields specified below.

Information Element		Value/Remark	
Message Type		RADIO BEARER SETUP	
UE Information Elements			
CN Information Elements			
RB Information Elements			
		ch RAB + 3.4 kbps signalling radio 3.10.2.4.1.4 for FDD and clause	

7.1.3.4.2 RADIO BEARER SETUP COMPLETE

The RADIO BEARER SETUP COMPLETE message is sent from the UE to the System Simulator, using AM-RLC on the DCCH logical channel.

The default RADIO BEARER SETUP COMPLETE message is used .

Information Element	Value/Remark
Message Type	RADIO BEARER SETUP COMPLETE
Use default	

7.2 Generic setup procedures

7.2.1 UE Test States for Generic setup procedures

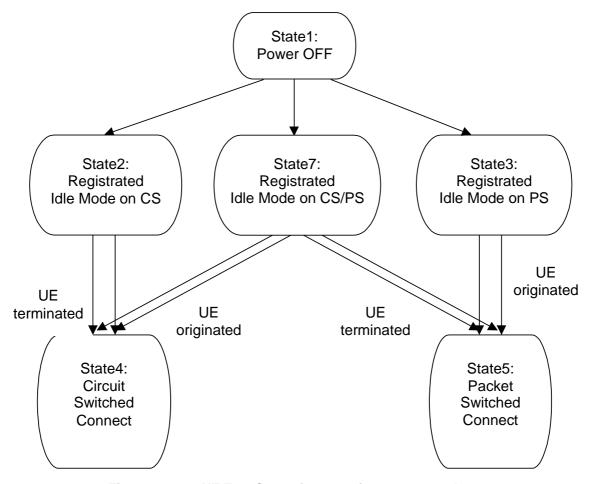


Figure 7.2.1.1: UE Test States for Generic setup procedures

In order that the UE can set up a call in UTRAN, there are a number of procedures to be undertaken in a hierarchical sequence to move between known states. The sequences are shown in figure 7.2.1.1 and the status of the relevant protocols in the UE in the different states are given in table 7.2.1.1.

Table 7.2.1.1: The UE states

		RRC	CC	MM	SM	GMM
State1	Power OFF		null	detached	inactive	detached
State2	Registered Idle Mode on CS	idle	null	idle	inactive	detached
State3	Registered Idle Mode on PS	idle	null	detached	inactive	idle
State4	Circuit Switched Connect	connected	active	connected	inactive	same as previous state
State5	Packet Switched Connect	connected	null	same as previous state	active	connected
State7	Registered Idle Mode on CS/PS	idle	null	idle	inactive	idle

7.2.2 Registration of UE

7.2.2.1 Registration on CS

7.2.2.1.1 Initial condition

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be operated under normal test conditions.
- The Test-USIM shall be inserted.

7.2.2.1.2 Definition of system information messages

The default system information messages are used.

7.2.2.1.3 Procedure

Registration of UE for SS shall be established under ideal radio conditions as defined in 5. Reference Test Conditions.

Step	Direction	Message	Comments
-	UE SS		
1	<	SYSTEM INFORMATION (BCCH)	NW Broadcast
2	>	RRC CONNECTION REQUEST (CCCH)	RRC
3	<	RRC CONNECTION SETUP (CCCH)	RRC
4	>	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
5	>	LOCATION UPDATING REQUEST	MM
6	<	AUTHENTICATION REQUEST	MM
7	>	AUTHENTICATION RESPONSE	MM
8	<	SECURITY MODE COMMAND	RRC
9	>	SECURITY MODE COMPLETE	RRC
10	<	LOCATION UPDATING ACCEPT	MM
11	>	TMSI REALLOCATION COMPLETE	MM
12	<	RRC CONNECTION RELEASE	RRC
13	>	RRC CONNECTION RELEASE COMPLETE	RRC

7.2.2.1.4 Specific message contents

All Specific message contents shall be referred to clause 9 "Default Message Contents of Layer3 Messages for Layer 3 Testing".

7.2.2.2 Registration on PS

7.2.2.2.1 Initial condition

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be operated under normal test conditions.
- The Test-USIM shall be inserted.

7.2.2.2.2 Definition of system information messages

The default system information messages are used.

7.2.2.2.3 Procedure

Registration of UE for SS shall be established under ideal radio conditions as defined in 5. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS	_	
1	<		SYSTEM INFORMATION (BCCH)	NW Broadcast
2	-	->	RRC CONNECTION REQUEST (CCCH)	RRC
3	<	(RRC CONNECTION SETUP (CCCH)	RRC
4	-	->	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
5	-	->	ATTACH REQUEST	GMM
6	<	:	AUTHENTICATION AND CIPHERING REQUEST	GMM
7	>		AUTHENTICATION AND CIPHERING RESPONSE	GMM
8	< 8		SECURITY MODE COMMAND	RRC
9	-	->	SECURITY MODE COMPLETE	RRC
10	<	:	ATTACH ACCEPT	GMM
11	> ATTACH COMPLETE		ATTACH COMPLETE	GMM
12	< RRC CON		RRC CONNECTION RELEASE	RRC
13	-	->	RRC CONNECTION RELEASE COMPLETE	RRC

7.2.2.2.4 Specific message contents

All Specific message contents shall be referred to clause 9 "Default Message Contents of Layer3 Messages for Layer 3 Testing".

7.2.2.3 Registration on CS / PS combined environment

7.2.2.3.1 Initial condition

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be operated under normal test conditions.
- The Test-USIM shall be inserted.

7.2.2.3.2 Definition of system information messages

7.2.2.3.3 Procedure

Registration of UE for SS shall be established under ideal radio conditions as defined in 5. Reference Test Conditions.

Step	Direction	Message	Comments
	UE SS		
1	<	SYSTEM INFORMATION (BCCH)	NW Broadcast
2	>	RRC CONNECTION REQUEST (CCCH)	RRC
3	<	RRC CONNECTION SETUP (CCCH)	RRC
4	>	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
5	>	ATTACH REQUEST	GMM
6	<	AUTHENTICATION AND CIPHERING REQUEST	GMM
7	>	AUTHENTICATION AND CIPHERING RESPONSE	GMM
8	<	SECURITY MODE COMMAND	RRC
9	>	SECURITY MODE COMPLETE	RRC
10	<	ATTACH ACCEPT	GMM
11	>	ATTACH COMPLETE	GMM
12	<	RRC CONNECTION RELEASE	RRC
13	>	RRC CONNECTION RELEASE COMPLETE	RRC

7.2.2.3.4 Specific message contents

All Specific message contents shall be referred to clause 9 "Default Message Contents of Layer3 Messages for Layer 3 Testing".

7.2.3 Call setup

7.2.3.1 Generic call set up procedure for mobile terminating circuit switched calls

7.2.3.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be operated under normal test conditions.
- The Test-USIM shall be inserted.

7.2.3.1.2 Definition of system information messages

7.2.3.1.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in 5. Reference Test Conditions.

Step	Direction	Message	Comments
	UE SS		
1	<	SYSTEM INFORMATION (BCCH)	Broadcast
2	<	PAGING (PCCH)	Paging
3	>	RRC CONNECTION REQUEST (CCCH)	RRC
4	<	RRC CONNECTION SETUP (CCCH)	RRC
5	>	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
6	>	PAGING RESPONSE	RR
7	<	AUTHENTICATION REQUEST	MM
8	>	AUTHENTICATION RESPONSE	MM
9	<	SECURITY MODE COMMAND	RRC
10	>	SECURITY MODE COMPLETE	RRC
11	<	SET UP	CC
12	>	CALL CONFIRMED	CC
13	<	RADIO BEARER SETUP	RRC RAB SETUP
14	>	RADIO BEARER SETUP COMPLETE	RRC
15	>	ALERTING	CC (this message is optional)
16	>	CONNECT	CC
17	<	CONNECT ACKNOWLEDGE	CC

7.2.3.1.4 Specific message contents

All Specific message contents shall be referred to clause 9 "Default Message Contents of Layer3 Messages for Layer 3 Testing".

7.2.3.2 Generic call set-up procedure for mobile originating circuit switched calls

7.2.3.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be operated under normal test conditions.
- The Test-USIM shall be inserted.

7.2.3.2.2 Definition of system information messages

7.2.3.2.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in 5. Reference Test Conditions.

Step	Direction	Message	Comments
	UE SS		
1	<	SYSTEM INFORMATION (BCCH)	Broadcast
2	>	RRC CONNECTION REQUEST (CCCH)	RRC
3	<	RRC CONNECTION SETUP (CCCH)	RRC
4	>	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
5	>	CM SERVICE REQUEST	MM
6	<	AUTHENTICATION REQUEST	MM
7	>	AUTHENTICATION RESPONSE	MM
8	<	SECURITY MODE COMMAND	RRC
9	>	SECURITY MODE COMPLETE	RRC
10	>	SET UP	cc
11	<	CALL PROCEEDING	cc
12	<	RADIO BEARER SETUP	RRC RAB SETUP
13	>	RADIO BEARER SETUP COMPLETE	RRC
14	<	ALERTING	cc
15	<	CONNECT	cc
16	>	CONNECT ACKOWLEDGE	CC

7.2.3.2.4 Specific message contents

All Specific message contents shall be referred to clause 9 "Default Message Contents of Layer3 Messages for Layer 3 Testing".

7.2.4 Session setup

7.2.4.1 Generic session set up procedure for mobile terminating packet switched sessions

7.2.4.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be operated under normal test conditions.
- The Test-USIM shall be inserted.

7.2.4.1.2 Definition of system information messages

7.2.4.1.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in 5. Reference Test Conditions.

Step	Direction	Message	Comments
	UE SS		
1	<	SYSTEM INFORMATION (BCCH)	Broadcast
2	<	PAGING TYPE1 (PCCH)	Paging
3	>	RRC CONNECTION REQUEST (CCCH)	RRC
4	<	RRC CONNECTION SETUP (CCCH)	RRC
5	>	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
6	>	SERVICE REQUEST	GMM
7	<	AUTHENTICATION AND CIPHERING REQUEST	GMM
8	>	AUTHENTICATION AND CIPHERING RESPONSE	GMM
9	<	SECURITY MODE COMMAND	RRC
10	>	SECURITY MODE COMPLETE	RRC
11	<	REQUEST PDP CONTEXT ACTIVATION	SM
12	>	ACTIVATE PDP CONTEXT REQUEST	SM
13	<	RADIO BEARER SETUP	RRC RAB SETUP
14	>	RADIO BEARER SETUP COMPLETE	RRC
15	<	ACTIVATE PDP CONTEXT ACCEPT	SM

7.2.4.1.4 Specific message contents

All Specific message contents shall be referred to clause 9 "Default Message Contents of Layer3 Messages for Layer 3 Testing".

7.2.4.2 Generic session set up procedure for mobile originating packet switched sessions

7.2.4.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be operated under normal test conditions.
- The Test-USIM shall be inserted.

7.2.4.2.2 Definition of system information messages

7.2.4.2.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in 5. Reference Test Conditions.

Step	Direction	Message	Comments
	UE SS		
1	<	SYSTEM INFORMATION (BCCH)	Broadcast
2	>	RRC CONNECTION REQUEST (CCCH)	RRC
3	<	RRC CONNECTION SETUP (CCCH)	RRC
4	>	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
5	>	SERVICE REQUEST	GMM
6	<	AUTHENTICATION AND CIPHERING REQUEST	GMM
7	>	AUTHENTICATION AND CIPHERING RESPONSE	GMM
8	<	SECURITY MODE COMMAND	RRC
9	>	SECURITY MODE COMPLETE	RRC
10	>	ACTIVATE PDP CONTEXT REQUEST	SM
11	<	RADIO BEARER SETUP	RRC RAB SETUP
12	>	RADIO BEARER SETUP COMPLETE	RRC
13	<	ACTIVATE PDP CONTEXT ACCEPT	SM

7.2.4.2.4 Specific message contents

All Specific message contents shall be referred to clause 9 "Default Message Contents of Layer3 Messages for Layer 3 Testing".

7.3 Test procedures for RF test

7.3.1 UE Test States for RF testing

In this clause, the states of the UE for the test are defined.

		RRC	CC	MM	SM	GMM
State1	Power OFF		null	detached	inactive	detached
State2	CS Registered Idle Mode	idle	null	idle	inactive	detached
State3	PS Registered Idle Mode	idle	null	detached	inactive	idle
State4	Test Mode	connected	null	detached	inactive	detached

7.3.2 Test procedure for TX, RX and Performance Requirement (without handover)

7.3.2.1 Initial conditions

System Simulator

- 1cell, default parameters.

User Equipment

The UE shall be operated under RF test conditions.

The Test-USIM shall be inserted.

The UE has a valid TMSI (CS)

The UE has a valid P-TMSI (PS)

7.3.2.2 Definition of system information messages

The default system information messages specified in clause 6.1 are used with the following exceptions.

Contents of System information block type 1: RRC

Information Element	Value/remark
- CN domain system information	
- CN domain identity	PS
- CHOICE CN Type	GSM-MAP
- CN domain specific NAS system information	
- GSM-MAP NAS system information	00 00
- CN domain specific DRX cycle length coefficient	7
- CN domain identity	CS
- CHOICE CN Type	GSM-MAP
- CN domain specific NAS system information	
- GSM-MAP NAS system information	00(T3212 is set to infinity) 01
- CN domain specific DRX cycle length coefficient	7
- UE Timers and constants in connected mode	
- T305	Infinity

7.3.2.3 Procedure

For UE supporting CS

Step	Direction		Message	Comments
	UE :	SS		
1	<		SYSTEM INFORMATION (BCCH)	Broadcast
2	<		PAGING TYPE1 (PCCH)	Paging (CS domain, TMSI)
3	>		RRC CONNECTION REQUEST (CCCH)	RRC
4	<		RRC CONNECTION SETUP (CCCH)	RRC
5	>		RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
6	>		PAGING RESPONSE	RR
7	<		ACTIVATE RB TEST MODE	TC
8	>		ACTIVATE RB TEST MODE COMPLETE	TC
9	<		RADIO BEARER SETUP	RRC (RAB SETUP)
10	>		RADIO BEARER SETUP COMPLETE	RRC
11	<		CLOSE UE TEST LOOP (DCCH)	TC (UE test loop mode set up)
12	>		CLOSE UE TEST LOOP COMPLETE	TC (confirms that loopback
				entities for the radio bearer(s)
				have been created and loop
				back is activated)
13	<		OPEN UE TEST LOOP	TC
14	>		OPEN UE TEST LOOP COMPLETE	TC
15	<		RRC CONNECTION RELEASE	RRC
16	>		RRC CONNECTION RELEASE COMPLETE	RRC

For UE supporting PS only

Step	Direction		Message	Comments	
	UE	SS			
1	<		SYSTEM INFORMATION (BCCH)	Broadcast	
2	<	<	PAGING TYPE1 (PCCH)	Paging (PS domain, P-TMSI)	
3	-	->	RRC CONNECTION REQUEST (CCCH)	RRC	
4	<	<	RRC CONNECTION SETUP (CCCH)	RRC	
5	-	->	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC	
6	-	->	SERVICE REQUEST	GMM	
7	<	<	SECURITY MODE COMMAND	RRC (note)	
8	-	->	SECURITY MODE COMPLETE	RRC (note)	
9	<	<	ACTIVATE RB TEST MODE	TC	
10	-	->	ACTIVATE RB TEST MODE COMPLETE	TC	
11	<		RADIO BEARER SETUP	RRC (RAB SETUP)	
12	>		RADIO BEARER SETUP COMPLETE	RRC	
13	<		CLOSE UE TEST LOOP (DCCH)	TC (UE test loop mode set up)	
14	>		CLOSE UE TEST LOOP COMPLETE	TC (confirms that loopback	
				entities for the radio bearer(s)	
				have been created and loop	
				back is activated)	
15	<	<	OPEN UE TEST LOOP	TC	
16	>		OPEN UE TEST LOOP COMPLETE	TC	
17	<		RRC CONNECTION RELEASE	RRC	
18		->	RRC CONNECTION RELEASE COMPLETE	RRC	
NOTE:			Step8 are inserted in order to stop T3317 timer in the UE, which	h starts after transmitting	
	SERVICE REQUEST message.				

7.3.2.4 Specific message contents

The default message contents specified in clause 9.2 are used with the following exceptions.

7.3.2.4.1 ATTCH ACCEPT

This message is sent from the SS to the UE, used for the UE supporting PS only.

Contents of Attach Accept message: GMM

Information Element	Value/remark	
Periodic RA update timer	E0 (timer is deactivated)	

7.3.2.4.2 Reference measurement channels

The messages in this sub-clause are sent from the SS to the UE, determining the configurations of reference measurement channel for the RF tests.

UL reference measurement channel (12.2kbps)

[T.B.D.]

UL reference measurement channel (786kbps)

[T.B.D.]

DL reference measurement channel (12.2kbps)

[T.B.D.]

DL reference measurement channel (64kbps)

[T.B.D.]

DL reference measurement channel (144kbps)

[T.B.D.]

DL reference measurement channel (384kbps)

[T.B.D.]

Reference measurement channel for BTFD

[T.B.D.]

7.3.2.4.3 UE test loop mode

The messages in this sub-clause are sent from the SS to the UE, determining the UE test loop mode for the RF tests.

UE test loop mode 1 without DCCH dummy transmission

Default. See clause 9.2.

UE test loop mode 1 with DCCH dummy transmission

Contents of CLOSE UE TEST LOOP: TC

Information Element	Value/remark
UE test loop mode	UE test loop mode 1 DCCH dummy transmission set to "enabled". 00000100B

UE test loop mode 2 without DCCH dummy transmission

Contents of CLOSE UE TEST LOOP: TC

Information Element	Value/remark
UE test loop mode	UE test loop mode 2 DCCH dummy transmission set to "disabled". 00000001B

7.3.2.4.4 Compressed mode

[T.B.D.]

7.3.2.4.5 Transmit diversity mode

[T.B.D.]

7.3.3 Test procedure for Rx Spurious Emission

7.3.3.1 Initial conditions

System Simulator

- 1cell, default parameters.

User Equipment

The UE shall be operated under RF test conditions.

The Test-USIM shall be inserted.

The UE has a valid TMSI (CS)

The UE has a valid P-TMSI (PS)

7.3.3.2 Definition of system information messages

The default system information messages specified in clause 6.1 are used with the following exceptions.

Contents of System information block type 1: RRC

Information Element	Value/remark
- CN domain system information	
- CN domain identity	PS
- CHOICE CN Type	GSM-MAP
- CN domain specific NAS system information	
- GSM-MAP NAS system information	00 00
- CN domain specific DRX cycle length coefficient	7
- CN domain identity	CS
- CHOICE CN Type	GSM-MAP
- CN domain specific NAS system information	
- GSM-MAP NAS system information	00(T3212 is set to infinity) 01
- CN domain specific DRX cycle length coefficient	7
- UE Timers and constants in connected mode	
- T305	Infinity

7.3.3.3 Procedure

For UE supporting CS

Step	Direction	Message	Comments
	UE SS		
1	<	SYSTEM INFORMATION (BCCH)	Broadcast
2	<	PAGING TYPE1 (PCCH)	Paging (CS domain, TMSI)
3	>	RRC CONNECTION REQUEST (CCCH)	RRC
4	<	RRC CONNECTION SETUP (CCCH)	RRC
5	>	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
6	>	PAGING RESPONSE	RR
7	<	ACTIVATE RB TEST MODE	TC
8	>	ACTIVATE RB TEST MODE COMPLETE	TC
9	<	RADIO BEARER SETUP	RRC
			- RAB SETUP using Reference
			Radio Bearer Configuration
			- RRC state indicator is set to
			"CELL_FACH"
10	>	RADIO BEARER SETUP COMPLETE	RRC
11	<	RRC CONNECTION RELEASE	RRC
12	>	RRC CONNECTION RELEASE COMPLETE	RRC

For UE supporting PS only

Step	Direction		Message	Comments
	UE S	SS		
1	<		SYSTEM INFORMATION (BCCH)	Broadcast
2	<		PAGING TYPE1 (PCCH)	Paging (PS domain, P-TMSI)
3	>		RRC CONNECTION REQUEST (CCCH)	RRC
4	<		RRC CONNECTION SETUP (CCCH)	RRC
5	>		RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
6	>		SERVICE REQUEST	GMM
7	<		SECURITY MODE COMMAND	RRC (note)
8	>		SECURITY MODE COMPLETE	RRC (note)
9	<		ACTIVATE RB TEST MODE	TC
10	>		ACTIVATE RB TEST MODE COMPLETE	TC
11	<		RADIO BEARER SETUP	RRC
				- RAB SETUP using Reference
				Radio Bearer Configuration
				- RRC state indicator is set to
				"CELL_FACH"
12	>		RADIO BEARER SETUP COMPLETE	RRC
13	<		RRC CONNECTION RELEASE	RRC
14	>		RRC CONNECTION RELEASE COMPLETE	RRC
NOTE:	Step7	and	Step8 are inserted in order to stop T3317 timer in the UE, which	starts after transmitting
	SERVICE REQUEST message.			

7.3.3.4 Specific message contents

The default message contents specified in clause 9.2 are used with the following exceptions.

Contents of RADIO BEARER SETUP message: RRC

Information Element	Value/remark	
New C-RNTI	'1010 1010 1010 1010'	
RRC State indicator	CELL_FACH	

Contents of Attach Accept message: GMM

Information Element	Value/remark	
Periodic RA update timer	E0 (timer is deactivated)	

7.3.4 Test procedure for Handover

FFS

7.3.5 Test procedure for Measurement Performance Requirement

FFS

7.4 Common generic procedures for AS testing

7.4.1 UE RRC Test States for common procedures

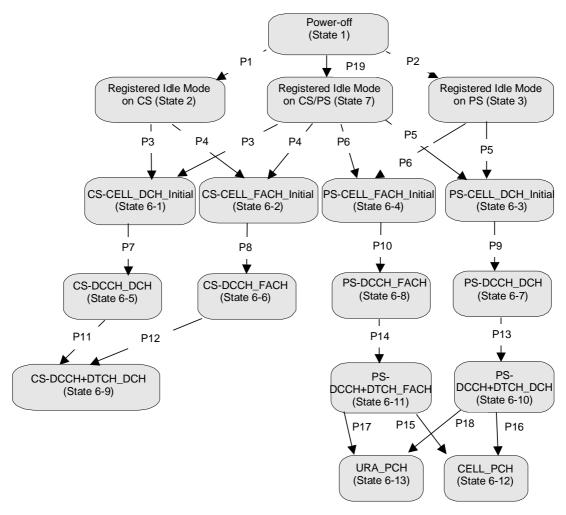


Figure 7.4.1.1: UE RRC test initial states and common procedures

For UE to set up a call in UTRAN, there are a number of procedures to be undertaken in a hierarchical sequence to move between known states. The sequences are shown in figure 7.4.1.1, the operating states for various protocols in the UE are given in table 7.4.1.1.

It is noted that figure 7.4.1.1 should not be construed as a formal state transition diagram, in any manner. The intention here is to define the starting state of UE following the execution of the procedures indicated above.

Table 7.4.1.1: The UE states

		RRC	CC	MM	SM	GMM
State 1	Power OFF		Null	Detached	Inactive	Detached
State 2	Registered Idle Mode on CS	Idle	Null	Idle	Inactive	Detached
State 3	Registered Idle Mode on PS	Idle	Null	Detached	Inactive	Idle
State 7	Registered Idle Mode on CS/PS	Idle	Null	Idle	Inactive	Idle
State BGP6-1	CS-CELL_DCH_Initial	Connected	Null	As previous	Inactive	As previous
State BGP6-2	CS-CELL_FACH_Initial	Connected	Null	As previous	Inactive	As previous
State BGP6-3	PS-CELL_DCH_Initial	Connected	Null	As previous	Inactive	As previous
State BGP6-4	PS-CELL_FACH_Initial	Connected	Null	As previous	Inactive	As previous
State BGP6-5	CS-DCCH_DCH	Connected (CELL_DCH)	Null	As previous	Inactive	As previous
State BGP6-6	CS-DCCH_FACH	Connected (CELL_FACH)	Null	As previous	Inactive	As previous
State BGP6-7	PS-DCCH_DCH	Connected (CELL_DCH)	Null	As previous	Active pending	As previous
State BGP6-8	PS-DCCH_FACH	Connected (CELL_FACH)	Null	As previous	Active pending	As previous
State BGP6-9	CS-DCCH+DTCH_DCH	Connected (CELL_DCH)	Connected	As previous	Inactive	As previous
State BGP6-10	PS-DCCH+DTCH_DCH	Connected (CELL_DCH)	Null	As previous	Active	As previous
State BGP6-11	PS-DCCH+DTCH_FACH	Connected (CELL_FACH)	Null	As previous	Active	As previous
State BGP6-12	CELL_PCH	Connected (CELL_PCH)	Null	As previous	Inactive	As previous
State BGP6-13	URA_PCH	Connected (URA_PCH)	Null	As previous	Inactive	As previous

State 1, state 2, state 3, P1, P2 and P19 are described in TS34.108 clause 7.2. States 6-X (for X=1 to 16) are described below.

7.4.2 Generic Setup Procedure for RRC test cases

7.4.2.1 RRC connection establishment procedure for circuit-switched calls (procedure P3 and P4)

7.4.2.1.1 Mobile terminating call

7.4.2.1.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters

User Equipment:

- The UE shall be operated under normal test conditions as specified in TS 34.108.
- The Test USIM shall be inserted.

7.4.2.1.1.2 Definition of system information messages

The default system information messages are used as specified in clause 6.1 of TS 34.108.

7.4.2.1.1.3 Procedure

The Call Set-up procedure shall be performed under ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction	Message	Comments
	UE SS		
1	<	PAGING TYPE 1 (PCCH)	RRC
2	>	RRC CONNECTION REQUEST (CCCH)	RRC
3	<	RRC CONNECTION SETUP (CCCH)	RRC
4	>	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
5	>	PAGING RESPONSE	RR

7.4.2.1.1.4 Specific message contents

To execute procedure P3, all specific message contents shall be referred to clause 9 of TS 34.108.

To execute procedure P4, all specific message contents with the exception of step 3 shall be referred to clause 9 of TS 34.108. For step 3, the message of the same type titled "Transition to CELL_FACH" in TS 34.123-1 Annex A is used.

7.4.2.1.2 Mobile originating calls

7.4.2.1.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters

User Equipment:

- The UE shall be operated under normal test conditions as specified in TS 34.108.
- The Test USIM shall be inserted.

7.4.2.1.2.2 Definition of system information messages

The default system information messages specified in clause 6.1 of TS 34.108 are used.

7.4.2.1.2.3 Procedure

The Call Set-up procedure shall be performed under ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction	Message	Comments
	UE SS		
1	>	RRC CONNECTION REQUEST (CCCH)	RRC
2	<	RRC CONNECTION SETUP (CCCH)	RRC
3	>	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
4	>	CM SERVICE REQUEST	MM

7.4.2.1.2.4 Specific message contents

To execute procedure P3, all specific message contents shall be referred to clause 9 of TS 34.108.

To execute procedure P4, all specific message contents with the exception of step 2 shall be referred to clause 9 of TS 34.108. For step 2, the message of the same type titled "Transition to CELL_FACH" in TS 34.123-1 Annex A is used.

7.4.2.2 RRC connection establishment procedure for packet switched sessions (procedure P5 and P6)

7.4.2.2.1 Mobile terminating session

7.4.2.2.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be operated under normal test conditions as specified in TS 34.108.
- The Test USIM shall be inserted.

7.4.2.2.1.2 Definition of system information messages

The default system information messages are used as specified in clause 6.1 of TS 34.108.

7.4.2.2.1.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction	Message	Comments
	UE SS		
1	<	PAGING TYPE1 (PCCH)	Paging
2	>	RRC CONNECTION REQUEST (CCCH)	RRC
3	<	RRC CONNECTION SETUP (CCCH)	RRC
4	>	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
5	>	SERVICE REQUEST	GMM

7.4.2.2.1.4 Specific message contents

To execute procedure P5, all specific message contents shall be referred to clause 9 of TS 34.108.

To execute procedure P6, all specific message contents with the exception of step 3 shall be referred to clause 9 of TS 34.108. For step 3, the message of the same type titled "Transition to CELL_FACH" in TS 34.123-1 Annex A is used.

7.4.2.2.2 Mobile originating sessions

7.4.2.2.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be operated under normal test conditions as specified in TS 34.108.
- The Test USIM shall be inserted.

7.4.2.2.2.2 Definition of system information messages

The default system information messages are used as specified in clause 6.1 of TS 34.108.

7.4.2.2.2.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction	Message	Comments
	UE SS		
1	>	RRC CONNECTION REQUEST (CCCH)	RRC
2	<	RRC CONNECTION SETUP (CCCH)	RRC
3	>	RRC CONNECTION SETUP COMPLETE (DCCH)	RRC
4	>	SERVICE REQUEST	GMM

7.4.2.2.2.4 Specific message contents

To execute procedure P5, all specific message contents shall be referred to clause 9 of TS 34.108.

To execute procedure P6, all specific message contents with the exception of step 2 shall be referred to clause 9 of TS 34.108. For step 2, the message of the same type titled "Transition to CELL_FACH" in TS 34.123-1 annex. A is used.

7.4.2.3 NAS call set up procedure for circuit switched calls (procedure P7 and P8)

7.4.2.3.1 Mobile terminating call

7.4.2.3.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-1 or state 6-2.
- The Test USIM shall be inserted.

7.4.2.3.1.2 Definition of system information messages

The default system information messages are used as specified in clause 6.1 of TS 34.108.

7.4.2.3.1.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE S	SS		
1	<		AUTHENTICATION REQUEST	MM
2	>		AUTHENTICATION RESPONSE	MM
3	<		SECURITY MODE COMMAND	RRC
4	>		SECURITY MODE COMPLETE	RRC
5	<		SET UP	CC
6	>		CALL CONFIRMED	CC

7.4.2.3.1.4 Specific message contents

All RRC specific message contents shall be referred to clause 9 of TS 34.108.

7.4.2.3.2 Mobile originating calls

7.4.2.3.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-1or state 6-2.
- The Test USIM shall be inserted.

7.4.2.3.2.2 Definition of system information messages

The default system information messages are used as specified in clause 6.1 of TS 34.108.

7.4.2.3.2.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<	<	AUTHENTICATION REQUEST	MM
2	>		AUTHENTICATION RESPONSE	MM
3	<		SECURITY MODE COMMAND	RRC
4	-	->	SECURITY MODE COMPLETE	RRC
5	-	->		CC
6	<	<	CALL PROCEEDING	CC

7.4.2.3.2.4 Specific message contents

All RRC specific message contents shall be referred to clause 9 of TS 34.108.

7.4.2.4 NAS session activation procedure for packet switched sessions (procedure P9 and P10)

7.4.2.4.1 Mobile terminating session

7.4.2.4.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-3 or state 6-4.
- The Test USIM shall be inserted.

7.4.2.4.1.2 Definition of system information messages

The default system information messages are used as specified in clause 6.1 of TS 34.108.

7.4.2.4.1.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction	Message	Comments
	UE SS		
1	<	AUTHENTICATION AND CIPHERING REQUEST	GMM
2	>	AUTHENTICATION AND CIPHERING RESPONSE	GMM
3	<	SECURITY MODE COMMAND	RRC
4	>	SECURITY MODE COMPLETE	RRC
5	<	REQUEST PDP CONTEXT ACTIVATION	SM
6	>	ACTIVATE PDP CONTEXT REQUEST	SM

7.4.2.4.1.4 Specific message contents

All RRC specific message contents shall be referred to clause 9 of TS 34.108.

7.4.2.4.2 Mobile originating sessions

7.4.2.4.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-3 or state 6-4.
- The Test USIM shall be inserted.

7.4.2.4.2.2 Definition of system information messages

The default system information messages are used as specified in clause 6.1 of TS 34.108.

7.4.2.4.2.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<		AUTHENTICATION AND CIPHERING REQUEST	GMM
2	>		AUTHENTICATION AND CIPHERING RESPONSE	GMM
3	<		SECURITY MODE COMMAND	RRC
4	>		SECURITY MODE COMPLETE	RRC
5	>		ACTIVATE PDP CONTEXT REQUEST	SM

7.4.2.4.2.4 Specific message contents

All RRC specific message contents shall be referred to clause 9 of TS34.108.

7.4.2.5 Radio access bearer establishment procedure for circuit switched calls (procedure P11 and P12)

7.4.2.5.1 Mobile terminating call

7.4.2.5.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-5 or state 6-6.
- The Test USIM shall be inserted.

7.4.2.5.1.2 Definition of system information messages

The default system information messages are used as specified in clause 6.1 of TS 34.108.

7.4.2.5.1.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Directio	n Message	Comments
	UE S	3	
1	<	RADIO BEARER SETUP	RRC RAB SETUP
2	>	RADIO BEARER SETUP COMPLETE	RRC
3	>	ALERTING	CC (This message is optional)
4	>	CONNECT	CC
5	<	CONNECT ACKNOWLEDGE	CC

7.4.2.5.1.4 Specific message contents

To execute procedure P11, use the message titled "CS speech" (defined in clause 9 of TS 34.108) for the message in step 1. To execute procedure 12, use the message "The others of speech in CS" (defined in annex A of TS 34.123-1) for the message in step 1.

7.4.2.5.2 Mobile originating calls

7.4.2.5.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-5 or state 6-6.
- The Test USIM shall be inserted.

7.4.2.5.2.2 Definition of system information messages

The default system information messages are used as specified in clause 6.1 of TS 34.108.

7.4.2.5.2.3 Procedure

The Call Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction	Message	Comments
	UE SS		
1	<	RADIO BEARER SETUP	RRC RAB SETUP
2	>	RADIO BEARER SETUP COMPLETE	RRC
3	<		CC
4	<	CONNECT	CC
5	>	CONNECT ACKOWLEDGE	CC

7.4.2.5.2.4 Specific message contents

To execute procedure P11, use the message titled "CS speech" (defined in Annex A of TS 34.123-1) for the message in step 1. To execute procedure 12, use the message "The others of speech in CS" (defined in Annex A of TS 34.123-1) for the message in step 1.

7.4.2.6 Radio access bearer establishment procedure for packet switched sessions (procedure P13 and P14)

7.4.2.6.1 Mobile terminating session

7.4.2.6.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-7 or state 6-8.
- The Test USIM shall be inserted.

7.4.2.6.1.2 Definition of system information messages

The default system information messages are used as specified in clause 6.1 of TS 34.108.

7.4.2.6.1.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<	;	RADIO BEARER SETUP	RRC RAB SETUP
2		->	RADIO BEARER SETUP COMPLETE	RRC
3	<	(ACTIVATE PDP CONTEXT ACCEPT	SM

7.4.2.6.1.4 Specific message contents

For step 1, the messages in annex A of TS 34.123-1 are used. To execute procedure P13, use the message titled "Packet to CELL_DCH from CELL_DCH in PS". To execute procedure 14, use the message titled "Packet to CELL_FACH from CELL_FACH in PS".

7.4.2.6.2 Mobile originating sessions

7.4.2.6.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-7 or state 6-8.
- The Test USIM shall be inserted.

7.4.2.6.2.2 Definition of system information messages

The default system information messages are used as specified in clause 6.1 of TS 34.108.

7.4.2.6.2.3 Procedure

The Session Set-up procedure shall be performed under Ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<		RADIO BEARER SETUP	RRC RAB SETUP
2	>		RADIO BEARER SETUP COMPLETE	RRC
3	<		ACTIVATE PDP CONTEXT ACCEPT	SM

7.4.2.6.2.4 Specific message contents

For step 1, the messages in Annex A of TS 34.123-1 are used. To execute procedure P13, use the message titled "Packet to CELL_DCH from CELL_DCH in PS". To execute procedure 14, use the message titled "Packet to CELL_FACH from CELL_FACH in PS".

7.4.2.7 Procedure for transitions to CELL_PCH or URA_PCH state (procedure P15, P16, P17 and P18)

7.4.2.7.1 Transition to CELL_PCH (procedure P15 and P16)

7.4.2.7.1.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-10 or state 6-11.
- The Test USIM shall be inserted.

7.4.2.7.1.2 Definition of system information messages

The default system information messages are used as specified in clause 6.1 of TS 34.108.

7.4.2.7.1.3 Procedure

The Call Set-up procedure shall be performed under ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction	Message	Comments
	UE SS		
1	<	PHYSICAL CHANNEL RECONFIGURATION	RRC
2	>	PHYSICAL CHANNEL RECONFIGURATION COMPLETE	RRC

7.4.2.7.1.4 Specific message contents

Contents of PHYSICAL CHANNEL RECONFIGURATION message: DCCH-AM (Step 1)

Information Element	Value/remark
Message Type	
RRC State Indicator	CELL_PCH

7.4.2.7.2 Transition to URA_PCH (procedure P17 and P18)

7.4.2.7.2.1 Initial conditions

System Simulator:

- 1 cell, default parameters.

User Equipment:

- The UE shall be in state 6-10 or state 6-11.
- The Test USIM shall be inserted.

7.4.2.7.2.2 Definition of system information messages

The default system information messages are used as specified in clause 6.1 of TS 34.108.

7.4.2.7.2.3 Procedure

The Call Set-up procedure shall be performed under ideal radio conditions as defined in clause 5 of TS 34.108. Reference Test Conditions.

Step	Direction		Message	Comments
	UE	SS		
1	<		PHYSICAL CHANNEL RECONFIGURATION	RRC
2	>		PHYSICAL CHANNEL RECONFIGURATION COMPLETE	RRC

7.4.2.7.2.4 Specific message contents

Contents of PHYSICAL CHANNEL RECONFIGURATION message: DCCH-AM (Step 1)

Information Element	Value/remark
Message Type	
RRC State Indicator	URA_PCH

8 Test USIM Parameters

8.1 Introduction

This clause defines default parameters for programming the elementary files of the test USIM. The requirements of this clause do not apply to the USIM/ME tests of 3GPP TS 31.120 and 3GPP TS 31.121.

8.1.1 Definitions

"Test USIM card":

A USIM card supporting the test algorithm for authentication, programmed with the parameters defined in this clause. The electrical, mechanical and environmental requirements of the test USIM card are specified in TS 31.101 and TS 31.102.

"Test USIM":

Either a test USIM card or the USIM simulator programmed with the parameters defined in this clause.

8.1.2 Definition of the test algorithm for authentication

In order to be able to easily test the UMTS authentication and key agreement procedure as specified in TS 33.102 [24] and TS 33.105 [26] along the whole system, the availability of a test algorithm for generation of authentication vector based on quintets is needed (in GSM triplets was used). Additionally, calculation of the parameters for resynchronisation requests is needed. The definition of the test algorithm are the functions f1, f2, f3, f4, f5 and the corresponding functions for re-synchronization are f1* and f5*.

The test algorithm defined in the present clause shall be implemented in test USIM cards as well in test USIM simulators and SS. The test algorithm may also, for test purposes, be implemented in AUC.

The following procedure employs bit wise modulo 2 addition ("XOR").

The following convention applies:

All data variables in the specification of this test algorithm are presented with the most significant substring on the left hand side and the least significant substring on the right hand side. A substring may be a bit, byte or other arbitrary length bitstring. Where a variable is broken down into a number of substrings, the leftmost (most significant) substring is numbered 0, the next most significant is numbered 1, and so on through to the least significant.

8.1.2.1 Authentication and key derivation in the test USIM and SS

The following steps describe sequence of operations for the functions f1, f2, f3, f4 and f5 to perform in the test USIM and SS, in order to obtain the XMAC/MAC, RES/XRES, CK, IK and AK respectively, to be used in the authentication and key agreement procedure.

Step 1:

XOR to the challenge **RAND**, a predefined number **K** (in which at least one bit is not zero, see 8.2), having the same bit length (128 bits) as **RAND**.

The result **XDOUT** of this is:

```
XDOUT[bits 0,1, \dots 126,127] = K [bits 0,1, \dots 126,127] XOR RAND[bits 0,1, \dots 126,127]
```

Step 2:

RES (test USIM), XRES (SS), CK, IK and AK are extracted from XDOUT this way:

```
RES[bits 0,1,...n-1,n] = f2(XDOUT,n) = XDOUT[bits 0,1,...n-1,n] (with 30 < n < 128)
```

NOTE: Suggested length for RES is 128 bits (i.e. n = 127). In SS and AUC, the XRES calculation is identical to RES.

```
CK[bits 0,1,...126,127] = 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]

Step 3:

Concatenate SQN with AMF to obtain CDOUT like this:

```
CDOUT[bits 0,1,...62,63] = SQN[bits 0,1,...46,47] || AMF[bits 0,1,...14,15]
```

NOTE: For test USIM the $\mathbf{SQN} = \mathbf{SQN_{MS}} = \mathbf{SQN_{SS}}$ [bits 0,1,...46,47] = \mathbf{AUTN} [bits 0,1,...46,47] XOR \mathbf{AK} [bits 0,1,...46,47] where AUTN is the received authentication token.

Step 4:

XMAC (test USIM) and MAC (SS) are calculated from XDOUT and CDOUT this way:

XMAC[bits $0,1, \dots 62, 63$] = $\mathbf{f1}(\mathbf{XDOUT}, \mathbf{CDOUT})$ = \mathbf{XDOUT} [bits $0,1, \dots 62, 63$] XOR \mathbf{CDOUT} [bits $0,1, \dots 62, 63$]

NOTE: In SS and AUC, the MAC calculation is identical to XMAC

Step 5:

The SS calculates the authentication token AUTN:

AUTN[bits
$$0,1,...126,127$$
] = **SQN** \oplus **AK**[bits $0,1,...46,47$] || **AMF**[bits $0,1,...14,15$] || **MAC**[bits $0,1,...62,63$]

Where **SQN** \oplus **AK**[bits 0,1,...46,47] = **SQN**[bits 0,1,...46,47] XOR **AK**[bits 0,1,...46,47]

8.1.2.2 Generation of re-synchronisation parameters in the USIM

For SS to be able to initiate an authentication re-synchronisation procedure a specific AMF value has been defined.

$$AMF_{RESYNCH} = AMF[bits 0,1,..14,15] = "1111 1111 1111 1111"$$

When the test USIM receives an authentication token (AUTN) having the value of AMF field equal to the AMF_{RESYNCH} value then the test USIM shall initiate the re-synchronisation procedure.

When the test USIM starts the re-synchronisation procedure, the MAC-S and AK have to be calculated using the functions f1* and f5*, which in the test algorithm are identical to f1 and f5, respectively.

Step 1:

XOR to the challenge **RAND**, a predefined number **K** (in which at least one bit is not zero, see 8.2), having the same bit length (128 bits) as **RAND**.

The result **XDOUT** of this is:

Step 2:

AK is extracted from **XDOUT** this way:

$$AK[bits 0,1,...46,47] = f5*(XDOUT) = XDOUT[bits 24,25,...70,71]$$

Step 3:

Concatenate SQN_{MS} with AMF* to obtain CDOUT like this:

CDOUT[bits 0,1,...62,63] = **SQN_{MS}**[bits 0,1,...46,47]
$$\parallel$$
 AMF*[bits 0,1,...14,15]

Where AMF* assumes a dummy value of all zeros

NOTE: For test USIM the $\mathbf{SQN_{MS}} = \mathbf{SQN_{SS}}[\text{bits } 0,1,\dots46,47] = \mathbf{AUTN}[\text{bits } 0,1,\dots46,47] \text{ XOR } \mathbf{AK}[\text{bits } 0,1,\dots46,47] \text{ where AUTN is the received authentication token.}$

For SS and AUC the $\mathbf{SQN_{MS}} = \mathbf{AUTS}[$ bits 0,1,...46,47] XOR $\mathbf{AK}[$ 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] = \mathbf{f1*(XDOUT, CDOUT)} = \mathbf{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**:

```
AUTS[bits 0,1,..110,111] = SQN<sub>MS</sub> \oplus AK[bits 0,1,...46,47] || MAC-S[bits 0,1,...62, 63]
```

Where $\mathbf{SQN_{MS}} \oplus \mathbf{AK}[\text{bits } 0,1,\dots46,47] = \mathbf{SQN_{MS}}[\text{bits } 0,1,\dots46,47] \times \mathbf{AK}[\text{bits } 0,1,\dots46,47]$

8.1.2.3 Using the authentication test algorithm for UE conformance testing

8.1.2.3.1 Authentication accept case

The authentication accept case is illustrated in figure 8.1.2.3.1.

The SS calculates the authentication token AUTN according to the test algorithm as specified in clause 8.1.2.1 (step 1 to 5) using an AMF value different from the AMF_{RESYNCH} value.

The SS sends an authentication request, including RAND and AUTN parameters, to the ME/USIM.

Based on the received RAND parameter the test USIM calculates the RES, CK IK and XMAC parameters according to clause 8.1.2.1 (step 1 to 4). The test USIM extracts the $SQN_{MS} = SQN_{SS}$, AMF and MAC parameters from the received authentication token AUTN.

The test USIM checks that XMAC = MAC and then return the RES, CK and IK parameters to the ME.

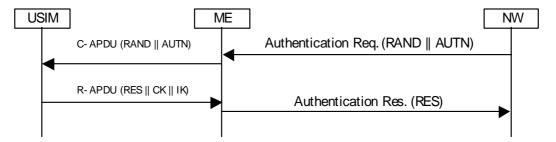


Figure 8.1.2.3.1: Network accepted by UE

8.1.2.3.2 MAC failure case

The MAC failure case is illustrated in figure 8.1.2.3.2.

The SS calculates the authentication token AUTN according to the test algorithm as specified in clause 8.1.2.1 (step 1 to 5) using an AMF value different from the AMF_{RESYNCH} value and a MAC value different from what is calculated in clause 8.1.2.1 step 4.

The SS sends an authentication request, including RAND and AUTN parameters, to the ME/USIM.

Based on the received RAND parameter The test USIM calculates the RES, CK, IK and XMAC parameters according to clause 8.1.2.1 (step 1 to 4).

The test USIM extracts the $SQN_{MS} = SQN_{SS}$, AMF and MAC parameters from the received authentication token AUTN.

When the test USIM identifies that the calculated XMAC value is different from the MAC value received in AUTN then the USIM notifies the ME of the MAC failure and the ME sends an AUTENTICATION FAILURE message to the SS (cause "MAC failure").

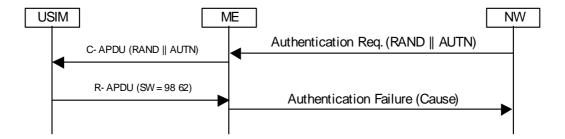


Figure 8.1.2.3.2: MAC failure cases

8.1.2.3.3 SQN failure case

The SQN failure case is illustrated in figure 8.1.2.3.3.

The SS calculates the authentication token AUTN according to the test algorithm as specified in clause 8.1.2.1 (step 1 to 5) using an AMF value equal to AMF_{RESYNCH}.

The SS sends an authentication request, including RAND and AUTN parameters, to the UE/USIM.

The test USIM extracts the $SQN_{MS} = SQN_{SS}$, AMF and MAC parameters from the received authentication token AUTN.

When the test USIM identifies that the AMF field is equal to the AMF $_{RESYNCH}$ value it calculates the re-synchronisation parameter AUTS as specified in clause 8.1.2.2 (step 1 to 5) and forward it to the ME.

The ME sends an AUTHENTICATION FAILURE message to the SS including the AUTS parameter.

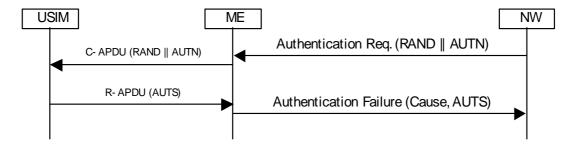


Figure 8.1.2.3.3: SQN failure case

8.2 Default Parameters for the test USIM

K:

The authentication key "K" will be chosen by the test house and will be non zero. The "K" value used by the SS will align with this value.

PIN Disabling:

The PIN enabled / disabled flag will be set to "PIN Disabled". This ensures that when the Test USIM is inserted into a UE the user will not be prompted for PIN entry.

8.3 Default settings for the Elementary Files (EFs)

The format and coding of elementary files of the USIM are defined in TS31.101 and TS31.102. The following clauses define the default parameters to be programmed into each elementary file. Some files may be updated by the UE based on information received from the SS. These are identified in the following clauses.

If EFs have an unassigned value, it may not be clear from the main text what this value should be. This clause suggests values in these cases.

8.3.1 Contents of the EFs at the MF level

8.3.1.1 EF_{DIR}

8.3.1.2 EF_{ICCID} (ICC Identity)

The programming of this EF is a test house option.

8.3.1.3 EF_{PI} (Preferred Languages)

The programming of this EF follows default parameter written in TS31.102 Annex E.

8.3.1.4 EF_{ARR} (Access rule reference)

The programming of this EF is a test house option.

8.3.2 Contents of files at the USIM ADF (Application DF) level

8.3.2.1 EF_{LI} (Language Indication)

The programming of this EF follows default parameter written in TS31.102 Annex E.

8.3.2.2 EF_{IMSI} (IMSI)

The IMSI value will be chosen by the test house. The IMSI used by the SS will align this value.

File size: 9 bytes

Default values: Byte 1 (DEC): 8

Bytes 2-9 (HEX):09 10 10 ** ** ** **

"*" indicates any number between 0 and 9 subject to the restriction that IMSI mod 1000 (i.e. bytes 7, 8 and 9) lies in one of the following ranges:

063-125, 189-251, 315-377, 441-503, 567-629, 693-755, 819-881 or 945-999

NOTE: This ensures that the UE can listen to the second CCCH when more than one basic physical channel is configured for the CCCH. This is necessary for the test of "paging re-organization".

8.3.2.3 EF_{Kevs} (Ciphering and Integrity Keys)

The programming of this EF follows default parameter written in TS31.102 Annex E.

8.3.2.4 EF_{KevsPS} (Ciphering and Integrity Keys for Packet Switched domain)

8.3.2.5 EF_{PLMNwAcT} (User controlled PLMN selector with Access Technology)

File size: 5n bytes

Default values (HEX): Bytes 1-3: 32 F4 10 (MCC, MNC) - Translates to 234, 01

Bytes 4-5: 80 00 (Access Technology) – Translates to UTRAN

Bytes 6-8: 32 F4 20 (MCC, MNC)

Bytes 9-10: 80 00 (Access Technology)

Bytes 11-13: 32 F4 30 (MCC, MNC)

••••

Bytes(5n-4) - (5n-2): 32 F4 43 (MCC, MNC)

Bytes (5n-1) - 5n: 80 00 (Access Technology)

PLMNs are shown coded above since this is the largest number required for a test. It is necessary to take this into account since the USIM cards must be dimensioned to cope with this number of records.

8.3.2.6 EF_{HPLMN} (HPLMN search period)

File size: 1 byte

Default value (HEX): 00 (no HPLMN search attempts)

8.3.2.7 EF_{ACMmax} (ACM maximum value)

File size: 3 bytes

Default: Byte 1: 00

Byte 2: 00

Byte 3: 00

The above translates to: "Not valid".

8.3.2.8 EF_{UST} (USIM Service Table)

Services will be allocated and activated as follows:

Services		Activated
Service n°1 :	Local Phone Book	Option
Service n°2 :	Fixed Dialling Numbers (FDN)	Option
Service n°3 :	Extension 2	Option
Service n°4 :	Service Dialling Numbers (SDN)	Option
Service n°5 :	Extension3	Option
Service n°6 :	Barred Dialling Numbers (BDN)	Option
Service n°7 :	Extension4	Option
Service n°8 :	Outgoing Call Information (OCI and OCT)	Option
Service n°9 :	Incoming Call Information (ICI and ICT)	Option
Service n°10:	Short Message Storage (SMS)	Yes
Service n°11:	Short Message Status Reports (SMSR)	Option
Service n°12:	Short Message Service Parameters (SMSP)	Yes
Service n°13:	Advice of Charge (AoC)	Yes
Service n°14:	Capability Configuration Parameters (CCP)	Yes
Service n°15:	Cell Broadcast Message Identifier	Yes
Service n°16:	Cell Broadcast Message Identifier Ranges	Yes
Service n°17:	Group Identifier Level 1	Option
Service n°18:	Group Identifier Level 2	Option
Service n°19:	Service Provider Name	Option
Service n°20:	User controlled PLMN selector with Access Technology	Yes
Service n°21:	MSISDN	Option
Service n°22:	Image (IMG)	Option
Service n°23:	Not used (reserved for SoLSA)	No
Service n°24:	Enhanced Multi-Level Precedence and Pre-emption Service	Option
Service n°25:	Automatic Answer for Emlpp	Option
Service n°26:	RFU	No
Service n°27:	GSM Access	Yes
Service n°28:	Data download via SMS-PP	Option
Service n°29:	Data download via SMS-CB	Option
Service n°30:	Call Control by USIM	Option
Service n°31:	MO-SMS Control by USIM	Option
Service n°32:	RUN AT COMMAND command	Option
Service n°33:	Packet Switched Domain	Yes
Service n°34:	Enabled Services Table	Yes
Service n°35:	APN Control List (ACL)	Option
Service n°36:	Depersonalisation Control Keys	Option
Service n°37:	Co-operative Network List	Option
Service n°38:	GSM security context	Yes
Service n°39:	CPBCCH Information	Yes
Service n°40:	Investigation Scan	Yes
Service n°41:	MExE	Option
Service n°42	Operator controlled PLMN selector with Access Technology	Yes
Service n°43	HPLMN selector with Access Technology	Yes

8.3.2.9 EF_{ACM} (Accumulated Call Meter)

File size: 3 bytes

Default: Byte 1: 00

Byte 2: 00

Byte 3: 00

The above translates to: "Not yet implemented".

8.3.2.10 EF_{GID1} (Group Identifier Level 1)

The programming of this EF is a test house option.

8.3.2.11 EF_{GID2} (Group Identifier Level 2)

The programming of this EF is a test house option.

8.3.2.12 EF_{SPN} (Service Provider Name)

The programming of this EF is a test house option.

8.3.2.13 EF_{PUCT} (Price per Unit and Currency Table)

The programming of this EF follows default parameter written in TS31.102 Annex E.

8.3.2.14 EF_{CBMI} (Cell Broadcast Message identifier selection)

The programming of this EF is a test house option.

The file size is 2n bytes, where n is the number of Cell broadcast message identifier records - each record defining a type of Cell Broadcast message which may be accessed by the UE. Care should be taken when dimensioning the USIM to take into account the number of Cell Broadcast message identifier records required.

8.3.2.15 EF_{ACC} (Access Control Class)

The EFACC can be selected by a test house in two types.

Type A;

File size: 2 Bytes

Default values (BIN): Byte 1: 000000**

Byte 2: *******

The test house may set any single bit shown by "*" to "1". All remaining bits of byte 2 will be set to "0". This determines the access control class of the USIM.

Type B;

Default values (BIN): Byte 1: 111110**

Byte 2: ******

The test house may set any single bit shown by "*" to "1". All remaining bits of byte 2 will be set to "0". This determines the access control class of the USIM.

8.3.2.16 EF_{FPLMN} (Forbidden PLMNs)

The programming of this EF follows default parameter written in TS31.102 Annex E.

8.3.2.17 EF_{LOCI} (Location Information)

File size: 11 Bytes

Default values: Bytes 1-4 (HEX): FF FF FF (TMSI)

Bytes 5-9 (HEX): 42 F6 18 FF FE (LAI)

Byte 10 (HEX): FF (RFU)

Byte 11 (BIN): 00000001 (Location Update Status = "not updated")

Bytes 5-9: LAI-MCC = 246 (bytes 5-6) and LAI-MNC = 81 (byte 7) are frequently used. The LAC (bytes 8-9) is set to "FF FE" since this, in conjunction with byte 11 setting of "01", is used to ensure that the UE performs a location update at the beginning of a test.

Bytes in this file (e.g. TMSI in bytes 1-4) may be updated as a result of a location update attempt by the UE.

8.3.2.18 EF_{AD} (Administrative Data)

File size: 4 bytes

Default values Byte 1: 10000000 - (type approval operations)

Byte 2: 000000000

Byte 3: 000000000

Byte 4: 00000010

8.3.2.19 Void

8.3.2.20 EF_{CBMID} (Cell Broadcast Message Identifier for Data Download)

The programming of this EF follows default parameter written in TS31.102 Annex E.

8.3.2.21 EF_{FCC} (Emergency Call Codes)

The programming of this EF is a test house option.

8.3.2.22 EF_{CBMIR} (Cell Broadcast Message Identifier Range selection)

The programming of this EF follows default parameter written in TS31.102 Annex E.

8.3.2.23 EF_{PSLOCI} (Packet Switched location information)

File size: 14 Bytes

Default values: Bytes 1-4 (HEX): FF FF FF (P-TMSI)

Bytes 5-7 (HEX): FF FF FF (P-TMSI signature value)

Bytes 8-13 (HEX): 42 F6 18 FF FE FF (RAI)

Byte 14 (BIN): 00000001 (Routing Area update status = "not updated")

Bytes 8-13: RAI-MCC = 246 (bytes 8-9) and RAI-MNC = 81 (byte 10) are frequently used. The LAC (bytes 11-12) is set to "FF FE" since this, in conjunction with byte 14 setting of "01", is used to ensure that the UE performs a location update at the beginning of a test.

Bytes in this file (e.g. P-TMSI in bytes 1-4) may be updated as a result of a location update attempt by the UE.

8.3.2.24 EF_{FDN} (Fixed Dialling Numbers)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.25 EF_{SMS} (Short messages)

8.3.2.26 EF_{MSISDN} (MSISDN)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.27 EF_{SMSP} (Short message service parameters)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.28 EF_{SMSS} (SMS status)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.29 EF_{SDN} (Service Dialling Numbers)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.30 $\mathsf{EF}_{\mathsf{FXT2}}$ (Extension2)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.31 EF_{EXT3} (Extension3)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.32 EF_{SMSR} (Short message status reports)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.33 EF_{ICI} (Incoming Call Information)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.34 EF_{OCI} (Outgoing Call Information)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.35 EF_{ICT} (Incoming Call Timer)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.36 EF_{OCT} (Outgoing Call Timer)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.37 EF_{EXT5} (Extension5)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.38 EF_{CCP2} (Capability Configuration Parameters 2)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.39 EF_{eMLPP} (enhanced Multi Level Precedence and Pre-emption)

The programming of this EF is a test house option.

8.3.2.40 EF_{AAeM} (Automatic Answer for eMLPP Service)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.41 EF_{GMSI} (Group Identity)

This clause is expected to be defined in the release 2000 version of the present document.

8.3.2.42 EF_{Hiddenkev} (Key for hidden phone book entries)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.43 Void

8.3.2.44 EF_{BDN} (Barred dialling numbers)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.45 EF_{EXT4} (Extension 4)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.46 EF_{CMI} (Comparison method information)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.47 EF_{EST} (Enabled service table)

The programming of this EF is a test house option.

8.3.2.48 EF_{ACI} (Access point name control list)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.49 EF_{DCK} (Depersonalisation control keys)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.50 EF_{CNL} (Co-operative network list)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.51 EF_{START-HFN} (Initialisation values for Hyperframe number)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.52 EF_{THRESHOLD} (Maximum value of START)

The programming of this EF is a test house option.

8.3.2.53 EF_{OPLMNsel} (OPLMN selector)

8.3.2.54 EF_{PHPLMNAT} (Preferred HPLMN Access Technology)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.55 EF_{ARR} (Access rule reference)

The programming of this EF is a test house option.

8.3.2.56 EF_{RPLMNACT} (RPLMN Last used Access Technology)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.2.57 EF_{NETPAR} (Network Parameters)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3 Contents of DFs at the USIM ADF (Application DF) level

8.3.3.1 Contents of files at the USIM SoLSA level

8.3.3.1.1 EF_{SAI} (SoLSA Access Indicator)

This clause is expected to be defined in the release 2000 version of the present document.

8.3.3.1.2 EF_{SLL} (SoLSA LSA List)

This clause is expected to be defined in the release 2000 version of the present document.

8.3.3.1.3 LSA Descriptor files

This clause is expected to be defined in the release 2000 version of the present document.

8.3.3.1.4 Contents of files at the MExE level

8.3.3.1.4.1 EF_{MExE-ST} (MExE Service table)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.1.4.2 EF_{ORPK} (Operator Root Public Key)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.1.4.3 EF_{ARPK} (Administrator Root Public Key)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.1.4.4 EF_{TPRPK} (Third Party Root Public Key)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.1.4.5 EF_{TKCDF} (Trusted Key/Certificates Data Files)

8.3.3.2 Contents of files at the DF PHONEBOOK level

8.3.3.2.1 EF_{PBR} (Phone Book Reference file)

The programming of this EF is a test house option.

8.3.3.2.2 EF_{IAP} (Index Administration Phone book)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.2.3 EF_{ADN} (Abbreviated dialling numbers)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.2.4 EF_{EXT1} (Extension1)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.2.5 EF_{PBC} (Phone Book Control)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.2.6 EF_{GRP} (Grouping file)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.2.7 EF_{AAS} (Additional number Alpha String)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.2.8 EF_{GAS} (Grouping information Alpha String)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.2.9 EF_{ANR} (Additional Number)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.2.10 EF_{SNE} (Second Name Entry)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.2.11 EF_{CCP1} (Capability Configuration Parameters 1)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.2.12 Phone Book Synchronisation

8.3.3.2.12.1 EF_{UID} (Unique Identifier)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.2.12.2 EF_{PSC} (Phone book Synchronisation Counter)

8.3.3.2.12.3 EF_{CC} (Change Counter)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.2.12.4 EF_{PUID} (Previous Unique Identifier)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.2.13 EF_{EMAIL} (e-mail address)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.3 Contents of files at the DF GSM level (Files required for GSM Access)

8.3.3.3.1 EF_{Kc} (GSM Ciphering key Kc)

File size: 9 Bytes

Default values (HEX): Bytes 1-8: Align with Kc used by SS

Byte 9: 07

Byte 9 is set to 07 to indicate that there is no key available at the start of a test.

The bytes within this elementary file may be updated by the UE as a result of a successful authentication attempt.

8.3.3.3.2 EF_{KcGPRS} (GPRS Ciphering key KcGPRS)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.3.3 Void

8.3.3.3.4 EF_{CPBCCH} (CPBCCH Information)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.3.5 EF_{InvScan} (Investigation Scan)

The programming of this EF follows default parameter.

8.3.4 Contents of EFs at the TELECOM level

8.3.4.1 EF_{ADN} (Abbreviated dialling numbers)

The programming of this EF is a test house option. It should be noted that sufficient space should be provided on the USIM card for 101 records.

8.3.4.2 EF_{EXT1} (Extension1)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.4.3 EF_{ECCP} (Extended Capability Configuration Parameter)

The programming of this EF is a test house option.

8.3.4.4 EF_{SUMF} (SetUpMenu Elements)

The programming of this EF is a test house option.

8.3.4.5 EF_{ARR} (Access rule reference)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.5 Contents of DFs at the TELECOM level

8.3.5.1 Contents of files at the DF_{GRAPHICS} level

8.3.5.1.1 EF_{IMG} (Image)

The programming of this EF follows default parameter written in TS 31.102 annex E.

8.3.5.1.2 Image Instance Data Files

8.3.5.2 Contents of files at the DF_{PHONEBOOK} under the DF_{TELECOM}

The programming of this EF is a test house option.

9 Default Message Contents

9.1 Default Message Contents for Signalling

9.1.1 Default RRC Message Contents (FDD)

This clause contains the default values of common messages, which unless indicated otherwise in specific clauses of TS 34.123-1, shall be transmitted and checked by the system simulator.

In this clause, decimal values are normally used. However, sometimes a hexadecimal value, indicated by an "H", or a binary value, indicated by a "B" is used.

The necessary L3 messages are listed in alphabetic order, with the exception of the SYSTEM INFORMATION messages, where it is the information elements which are listed in alphabetic order (this is because some information elements occur in several SYSTEM INFORMATION types).

Default SYSTEM INFORMATION:

NOTE:

SYSTEM INFORMATION BLOCK TYPE 1 (except for PLMN type "GSM-MAP"), SYSTEM INFORMATION BLOCK TYPE 8, SYSTEM INFORMATION BLOCK TYPE 9, SYSTEM INFORMATION BLOCK TYPE 10, SYSTEM INFORMATION BLOCK TYPE 14, SYSTEM INFORMATION BLOCK TYPE 15 and SYSTEM INFORMATION BLOCK TYPE 16 messages are not used.

Contents of ACTIVE SET UPDATE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects one integer between 0 to 3
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE.
- RRC message sequence number	SS provides the value of this IE, from its internal counter.
Integrity protection mode info	Not Present
Ciphering mode info	Not Present
Activation time	now

Information Element	Value/remark	
New U-RNTI	Not Present	
CN information info	Not Present	
Downlink counter synchronisation info	Not Present	
Maximum allowed UL TX power	Not Present – use default value	
Radio link addition information	Not Present	
Radio link removal information	Not Present	
TX Diversity Mode	None	
SSDT information	Not Present	

Contents of ACTIVE SET UPDATE COMPLETE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Checked to see if it matches the same value used in the corresponding downlink ACTIVE SET UPDATE message
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Uplink integrity protection activation info	Not checked
Radio bearer uplink ciphering activation time info	Not checked
Uplink counter synchronisation info	Not checked

Contents of ACTIVE SET UPDATE FAILURE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Checked to see if it matches the same value used in the corresponding downlink ACTIVE SET UPDATE message
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Failure cause	Refer to test requirement

Contents of CELL UPDATE message: TM

Information Element	Value/remark
Message Type	
U-RNTI	Checked to see if it is set to the following values
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
RRC transaction identifier	Checked to see if it is absent
Integrity check info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If integrity protection is indicated to be
	active, this IE shall be present with the values of the sub
	IEs as stated below. Else, this IE and the sub-IEs shall be
	absent.
- Message authentication code	This IE is checked to see if it is present. The value is
	compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is
	used by SS to compute the XMAC-I value.
START List	Checked to see if the 'CN domain identity' and 'START'
	IEs are present for all CN domains supported by the UE
- CN domain identity	Checked to see if it is one of the supported CN domains
- START	Checked to see if it is present
AM_RLC error indication (RB2, RB3 or RB4)	Checked to see if it is set to 'FALSE'
AM_RLC error indication (RB>4)	Checked to see if it is set to 'FALSE'
Cell update cause	See the test content
Failure cause	Checked to see if it is absent
RB timer indicator	
- T314 expired	Checked to see if it is set to 'FALSE'
- T315 expired	Checked to see if it is set to 'FALSE'
Measured results on RACH	Not checked

Contents of CELL UPDATE CONFIRM message: UM

Information Element	Value/remark
Message Type	
U-RNTI	If this message is sent on CCCH, use the following
	values. Else, this IE is absent.
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
RRC transaction identifier	Selects an arbitrary integer between 0 to 3
Integrity check info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If integrity protection is indicated to be
	active, this IE is present with the values of the sub IEs as
	stated below. Else, this IE and the sub-IEs are omitted.
 message authentication code 	SS calculates the value of MAC-I for this message and
	writes to this IE.
 RRC message sequence number 	SS provides the value of this IE, from its internal counter.
Integrity protection mode info	Not Present
Ciphering mode info	Not Present
Activation time	Not Present – use default value
New U-RNTI	Not Present
New C-RNTI	Not Present
New DSCH-RNTI	Not Present
RRC State indicator	CELL_FACH
UTRAN DRX cycle length coefficient	Not Present
RLC re-establish indicator (RB2, RB3 and RB4)	FALSE
RLC re-establish indicator (RB5 and upwards)	FALSE
CN information info URA identity	Not Present 0000 0000 0001B
RB information to release list	Not Present
RB information to reconfigure list	Not Present
RB information to be affected list	Not Present
Downlink counter synchronisation info	Not Present
UL Transport channel information common for all	Not Present
transport channels	
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	Not Present
CHOICE Mode	FDD
- CPCH set ID	Not Present
- Added or Reconfigured TrCH	Not Present
information for DRAC list	
DL Transport channel information common for all	Not Present
transport channels	
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	Not Present
Frequency info	Not Present
Maximum allowed UL TX power	Not Present
CHOICE channel requirement	Not Present
CHOICE mode	FDD
- Downlink PDSCH information	Not Present
Downlink information common for all radio links	Not Present
Downlink information per radio link list	Not Present

Contents of DOWNLINK DIRECT TRANSFER message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	The presence of this IE is dependent on IXIT statements in
	TS 34.123-2. If integrity protection is indicated to be active,
	this IE is present with the values of the sub IEs as stated
	below. Else, this IE and the sub-IEs are omitted.
 Message authentication code 	SS calculates the value of MAC-I for this message and
	writes to this IE.
- RRC Message sequence number	SS provides the value of this IE, from its internal counter.
CN domain identity	CS domain or PS domain
NAS message	See Specific Message Content for each test case

Contents of INITIAL DIRECT TRANSFER message: AM

Information Element	Value/remark
Message Type	
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
CN domain identity	Checked to see if set to supported CN domain as specified in the IXIT statements.
Intra Domain NAS Node Selector	
- CHOICE version	R99
- CHOICE CN type	GSM-MAP
- CHOICE Routing basis	Local (P)TMSI
- Routing parameter	If the IE "CN domain identity" is equal to "CS domain", this bit string is set to to bits b14 through b23 of the TMSI. If the IE "CN domain identity" is equal to "PS domain", this
	bit string is set to to bits b14 through b23 of the P-TMSI.
	The TMSI/ P-TMSI bits are numbered from b0 to b31, with
	bit b0 being the least significant.
- Entered parameter	FALSE
NAS message	Set according to that indicated in specific message content
The moodage	for each test case
START	Not checked
Measured results on RACH	Not checked

Contents of MEASUREMENT CONTROL message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects an unused integer between 0 to 3
Integrity check info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If integrity protection is indicated to be
	active, this IE is present with the values of the sub IEs as
	stated below. Else, this IE and the sub-IEs are omitted.
 Message authentication code 	SS calculates the value of MAC-I for this message and
	writes to this IE.
- RRC message sequence number	SS provides the value of this IE, from its internal counter.
Measurement Identity	1
Measurement Command	Setup
Measurement Reporting Mode - Measurement Report Transfer Mode	Acknowledged mode RLC
Measurement Report Hansier Mode Measurement Reporting/Event Trigger Reporting	Periodical
Mode	i ellodicai
Additional measurement list	Not Present
CHOICE Measurement type	Intra-frequency measurement
- Intra-frequency measurement	mina moquemoy modeanoment
- Intra-frequency cell info	
- New intra-frequency cell	
 Intra-frequency cell-id 	1
- Cell info	
- Cell individual offset	0dB
- Reference time difference to cell	Not Present
- Read SFN number	FALSE
- CHOICE mode	FDD
 Primary CPICH info Primary scrambling code 	Different from the Default patting in TS24 109 clause 6.1
- Filliary Scrambling code	Different from the Default setting in TS34.108 clause 6.1 (FDD)
- Primary CPICH Tx power	Not Present
- TX Diversity indicator	FALSE
- Intra-frequency measurement quantity	Not Present
- Intra-frequency reporting quantity	
 Reporting quantities for active set cells 	
- SFN-SFN observed time difference reporting	No report
indicator	- N 05
- Cell synchronisation information reporting	FALSE
indicator - Cell Identity reporting indicator	TRUE
- CPICH Ec/N0 reporting indicator	FALSE
- CPICH RSCP reporting indicator	TRUE
- Pathloss reporting indicator	FALSE
- Reporting quantities for monitored cells	
- SFN-SFN observed time difference reporting	No report
indicator	
- Cell synchronisation information reporting	FALSE
indicator	TDUE
- Cell Identity reporting indicator	TRUE
- CPICH Ec/N0 reporting indicator	FALSE TRUE
- CPICH RSCP reporting indicator - Pathloss reporting indicator	FALSE
- Reporting quantities for detected set cells	Not Present
- Reporting cell status	1
- CHOICE reported cell	Report cell within active set and/or monitored cells on
·	used frequency
 Maximum number of reported cells 	2
- Measurement validity	Not Present
- CHOICE report criteria	Periodic reporting criteria
- Amount of reporting	Infinity
- Reporting interval	64 sec
DPCH Compressed mode status info	Not Present

Contents of MEASUREMENT CONTROL FAILURE message: $\ensuremath{\mathsf{AM}}$

Information Element	Value/remark
Message Type	
RRC transaction identifier	Checked to see if it's set to the identical value for the same IE in the downlink MEASUREMENT CONTROL message
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Failure cause	See the test content

Contents of MEASUREMENT REPORT message: AM

Information Element	Value/remark
Message Type	
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Measurement identity	1
Measured Results	
 Intra-frequency measured results 	
- Cell measured results	
- Cell Identity	Not present
- SFN-SFN observed time difference	Checked that this IE is absent
- Cell synchronisation information - Primary CPICH info	Checked that this IE is absent
- Primary scrambling code	Different from the Default setting in TS34.108 clause 6.1 (FDD)
- CPICH Ec/N0	Checked that this IE is absent
- CPICH RSCP	Checked that this IE is present
- Pathloss	Checked that this IE is absent
Measured results on RACH	Checked that this IE is absent
Additional measured results	Checked that this IE is absent
Event results	Checked that this IE is absent

Contents of PAGING TYPE 1 message: TM (Speech in CS)

Information Element	Value/remark
Message Type	
Paging record list	
- Paging record	
- CHOICE Used paging identity	CN identity
- Paging cause	Terminating Conversational Call
- CN domain identity	CS domain
- CHOICE UE identity	
- IMSI (GSM-MAP)	Set to the same octet string as in the IMSI stored in the
	USIM card
BCCH modification info	Not Present

Contents of PAGING TYPE 1 message: TM (The others of speech in CS)

Information Element	Value/remark
Message Type	
Paging record list	
- Paging record	
- CHOICE Used paging identity	CN identity
- Paging cause	Terminating Streaming Call
- CN domain identity	CS domain
- CHOICE UE identity	
- IMSI (GSM-MAP)	Set to the same octet string as in the IMSI stored in the
	USIM card
BCCH modification info	Not Present

Contents of PAGING TYPE 1 message: TM (Packet in PS)

Information Element	Value/remark
Message Type	
Paging record list	
- Paging record	
- CHOICE Used paging identity	CN identity
- Paging cause	Terminating Interactive Call
- CN domain identity	PS domain
- CHOICE UE identity	
- IMSI (GSM-MAP)	Set to the same octet string as in the IMSI stored in the
	USIM card
BCCH modification info	Not Present

Contents of PAGING TYPE 1 message: TM (SMS in CS)

Information Element	Value/remark
Message Type	
Paging record list	
- Paging record	
 CHOICE Used paging identity 	CN identity
- Paging cause	Terminating Low Priority Signalling
- CN domain identity	CS domain
- CHOICE UE identity	
- IMSI (GSM-MAP)	Set to the same octet string as in the IMSI stored in the
	TEST USIM card
BCCH modification info	Not Present

Contents of PAGING TYPE 1 message: TM (SMS in PS)

Information Element	Value/remark
Message Type	
Paging record list	
- Paging record	
- CHOICE Used paging identity	CN identity
- Paging cause	Terminating Low Priority Signalling
- CN domain identity	PS domain
- CHOICE UE identity	
- IMSI (GSM-MAP)	Set to the same octet string as in the IMSI stored in the
	TEST USIM card
BCCH modification info	Not Present

Contents of PAGING TYPE 2 message: AM (Speech in CS)

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If integrity protection is indicated to be
	active, this IE is present with the values of the sub IEs as
	stated below. Else, this IE and the sub-IEs are omitted.
- message authentication code	SS calculates the value of MAC-I for this message and
	writes to this IE.
 RRC message sequence number 	SS provides the value of this IE, from its internal counter.
Paging cause	Terminating Conversational Call
CN domain identity	CS domain
Paging record type identifier	Select the same type as in the IE "Initial UE Identity" in
	RRC CONNECTION REQUEST" message.

Contents of PHYSICAL CHANNEL RECONFIGURATION message: AM or UM

Information Element	Condition	Value/remark
Message Type	A1, A2, A3,	
DDC transaction identifies	A4, A5, A6	Arbitrarily adjects on integral between 0 and 2
RRC transaction identifier Integrity check info		Arbitrarily selects an integer between 0 and 3 The presence of this IE is dependent on IXIT
Integrity check into		statements in TS 34.123-2. If integrity
		protection is indicated to be active, this IE is
		with the values of the sub IEs as stated
		below. Else, this IE and the sub-IEs are
		omitted.
- message authentication code		SS calculates the value of MAC-I for this
		message and writes to this IE.
- RRC message sequence number		SS provides the value of this IE, from its
Integrity protection made info		internal counter. Not Present
Integrity protection mode info Ciphering mode info		Not Present
Activation time	A1, A2, A3,	(256+CFN-(CFN MOD 8 + 8))MOD 256
, touvalien lime	A4	(2001-0111 (01111-110-011-0))111-02-200
Activation time	A5, A6	Not Present
New U-RNTI	·	Not Present
New C-RNTI	A1, A2, A3,	Not Present
N. O. DNIT!	A4	14040 4040 4040 1010
New C-RNTI	A5, A6	'1010 1010 1010 1010'
New DSCH-RNTI	A1, A2, A3, A4, A5, A6	Not Present
RRC State indicator	A1, A2, A3,	CELL_DCH
	A4	
RRC State indicator	A5, A6	CELL_FACH
UTRAN DRX cycle length coefficient	A1, A2, A3,	Not Present
CN information info	A4, A5, A6	Not Present
URA identity		Not Present
Downlink counter synchronisation info		Not Present
Frequency info		THE TREE THE STATE OF THE STATE
- UARFCN uplink (Nu)		Reference to clause 5.1 Test frequencies
- UARFCN downlink (Nd)		Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power		33dBm
CHOICE channel requirement	A5, A6	Not Present
CHOICE channel requirement	A1, A2, A3, A4	Uplink DPCH info
- Uplink DPCH power control info	Α-τ	
- DPCCH power offset		-6dB
- PC Preamble		1 frame
- SRB delay		7 frames
- Power Control Algorithm		Algorithm1
- TPC step size		1dB
- Scrambling code type		Long
- Scrambling code number - Number of DPDCH		0 (0 to 16777215) Not Present(1)
- spreading factor		Reference to TS34.108 clause 6.10
- spreading racion		Parameter Set
- TFCI existence		Reference to TS34.108 clause 6.10
		Parameter Set
- Number of FBI bit		Reference to TS34.108 clause 6.10
- Puncturing Limit		Parameter Set Reference to TS34.108 clause 6.10
- Puncturing Limit		Parameter Set
CHOICE Mode	A1, A2, A3,	FDD
	A4, A5, A6	
- Downlink PDSCH information	A4 AC AC	Not Present
Downlink information common for all radio links - Downlink DPCH info common for all RL	A1, A2, A3	
- Timing indicator		Maintain
- CFN-targetSFN frame offset		Not Present
- Downlink DPCH power control information		
- DPC mode	<u> </u>	0 (single)

Information Element	Condition	Value/remark
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
- DL rate matching restriction information		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10
Opicading racion		Parameter Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10
- Fixed of Flexible Fosition		Parameter Set
- TFCI existence		Reference to TS34.108 clause 6.10
- TFGI existence		Parameter Set
CHOICE SE		Reference to TS34.108 clause 6.10
- CHOICE SF		
DDOIL I I I I		Parameter Set
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value		Not Present
Downlink information common for all radio links	A4	
- Downlink DPCH info common for all RL		
- Timing indicator		Initialise
- CFN-targetSFN frame offset		Not Present
 Downlink DPCH power control information 		
- DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
 DL rate matching restriction information 		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10
		Parameter Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10
		Parameter Set
- TFCI existence		Reference to TS34.108 clause 6.10
		Parameter Set
- CHOICE SF		Reference to TS34.108 clause 6.10
OF TOTAL OF		Parameter Set
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value		
- Delault DPCH Offset Value		Arbitrary set to value 0306688 by step of 512
Develor information common for all varieties	A.F. A.C.	Not Present
Downlink information common for all radio links	A5, A6	Not Present
Downlink information for each radio links	A1,	
	A2,A3,A4	500
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		
- CHOICE mode		FDD
 Primary CPICH usage for channel estimation 		Primary CPICH may be used
- DPCH frame offset		Set to value : Default DPCH Offset Value
		mod 38400
- Power offset P _{Pilot-DPDCH}		0
- Secondary CPICH info		Not Present
- DL channelisation code		
- Secondary scrambling code		5
- Spreading factor		Reference to TS34.108 clause 6.10
		Parameter Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity		Not Present
Closed loop timing adjustment mode		Not Present
- SCCPCH information for FACH	Δ.	Not Present
- Downlink information for each radio link	A5	FDD
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause

Information Element	Condition	Value/remark
		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		Not Present
- SCCPCH Information for FACH		Not Present
- Downlink information for each radio link	A6	Not Present

Condition	Explanation
A1	This IE need for "Non speech in CS"
A2	This IE need for "Speech in CS"
A3	This IE need for "Packet to CELL_DCH from CELL_DCH in PS"
A4	This IE need for "Packet to CELL_DCH from CELL_FACH in PS"
A5	This IE need for "Packet to CELL_FACH from CELL_DCH in PS"
A6	This IE need for "Packet to CELL_FACH from CELL_FACH in PS"

Contents of PHYSICAL CHANNEL RECONFIGURATION COMPLETE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Checked to see if it's set to identical value of the same IE in the downlink PHYSICAL CHANNEL RECONFIGURATION message
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Uplink integrity protection activation info CHOICE mode	Not checked FDD
COUNT-C activation time	The UE shall include this IE if the following two conditions are fulfilled: (a) The PHYSICAL CHANNEL RECONFIGURATION message did not contain the IE "Ciphering activation time for DPCH" and (b) The PHYSICAL CHANNEL RECONFIGURATION message established the first RB(s) mapped to RLC-TM for a CN domain or released the last RB(s) mapped to RLC-TM for
Radio bearer uplink ciphering activation time info	a CN domain. Else, this IE is absent. Not checked
Uplink counter synchronisation info	Not checked

Contents of PHYSICAL CHANNEL RECONFIGURATION FAILURE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identitifer	Checked to see if it is set to identical value of the same IE in the downlink PHYSICAL CHANNEL RECONFIGURATION message.
Integrity check info	The presence if this IE is dependent on IXIT statements in TS 34.123-2. if integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Failure cause	Checked to see if it meets test requirement

Contents of RADIO BEARER SETUP message: AM or UM (Speech in CS)

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If integrity protection is indicated to be
	active, this IE is present with the values of the sub IEs as
	stated below. Else, this IE and the sub-IEs are omitted.
- message authentication code	SS calculates the value of MAC-I for this message and
	writes to this IE.
- RRC message sequence number	SS provides the value of this IE, from its internal counter.
Integrity protection mode info	Not Present
Ciphering mode info	Not Present.
Activation time	(256+CFN-(CFN MOD 8 + 8))MOD 256
New U-RNTI	Not Present
New C-RNTI	Not Present
New DSCH-RNTI	Not Present
RRC State indicator	CELL_DCH
UTRAN DRX cycle length coefficient	Not Present
CN information info	Not Present
URA identity	Not Present
Signalling RB information to setup list	Not Present
RAB information for setup list	
- RAB information for setup	
- RAB info	0000 0004B
- RAB identity	0000 0001B
- CN domain identity	CS domain
- NAS Synchronization Indicator	Not Present
- Re-establishment timer	UseT314
- RB information to setup	40
- RB identity	10 Not Present
- PDCP info	RLC info
- CHOICE RLC info type - CHOICE Uplink RLC mode	TM RLC
- Transmission RLC discard	Not Present
- Segmentation indication	FALSE
- CHOICE Downlink RLC mode	TM RLC
- Segmentation indication	FALSE
- RB mapping info	TAEGE
- Information for each multiplexing option	
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	1
- Logical channel identity	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	7
- Downlink RLC logical channel info	
 Number of downlink RLC logical channels 	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	6
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
- RB identity	11
- PDCP info	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	TM RLC
- Transmission RLC discard	Not Present
- Segmentation indication	FALSE
- CHOICE Downlink RLC mode	TM RLC
- Segmentation indication	FALSE
- RB mapping info	
- Information for each multiplexing option	Not Dropont
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1 DCH
- Uplink transport channel type	DCH 2
- UL Transport channel identity	4

Information Element	Value/remark
- Logical channel identity	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	7
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1 DCH
Downlink transport channel type DL DCH Transport channel identity	DCH 7
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
- RB identity	12
- PDCP info	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode - Transmission RLC discard	TM RLC Not Present
- Segmentation indication	FALSE
- CHOICE Downlink RLC mode	TM RLC
- Segmentation indication	FALSE
- RB mapping info	
- Information for each multiplexing option	
- RLC logical channel mapping indicator	Not Present
Number of uplink RLC logical channels Uplink transport channel type	1 DCH
- UL Transport channel identity	3
- Logical channel identity	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	7
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
Downlink transport channel type DL DCH Transport channel identity	DCH 8
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
RB information to be affected list	Not Present
Downlink counter synchronisation info	Not Present
UL Transport channel information for all transport	
channels - PRACH TFCS	Not Dragant
- CHOICE mode	Not Present FDD
- TFC subset	Not Present
- UL DCH TFCS	
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
TFCS complete reconfigure information CHOICE CTFC Size	
- CTFC information	This IE is repeated for TFC numbers and reference to
	TS34.108 clause 6.10.2.4
- CTFC	Reference to TS34.108 clause 6.10.2.4 Parameter Set
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factors(The last TFC is set to Computed
- Gain factor βc	Gain Factors) 11 (below 64 kbps)
- Gain lactor pc	9 (higher than 64 kbps)
	(Not Present if the above is set to Computed Gain
	Factors)
- Gain factor βd	15
	(Not Present if the above is set to Computed Gain
- Reference TFC ID	Factors)
- Reference TFC ID - CHOICE mode	FDD
- Power offset P p-m	Not Present
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	3 DCHs added, 1 DCH reconfigured
- Added or Reconfigured UL TrCH information	-
- Uplink transport channel type	DCH
- UL Transport channel identity	1
- TFS	

Information Element

- CHOICE Transport channel type
- Dynamic Transport format information
- RLC Size
- Number of TBs and TTI List
- Transmission Time Interval
- Number of Transport blocks
- CHOICE Logical Channel list
- Semi-static Transport Format information
- Transmission time interval
- Type of channel coding
- Coding Rate
- Rate matching attribute
- CRC size
- Uplink transport channel type
- UL Transport channel identity
- TFS
- CHOICE Transport channel type
- Dynamic Transport format information
- RLC Size
- Number of TBs and TTI List
- Transmission Time Interval
- Number of Transport blocks
- Transmission Time Interval
- Number of Transport blocks
- CHOICE Logical Channel list
- Semi-static Transport Format information
- Transmission time interval
- Type of channel coding
- Coding Rate
- Rate matching attribute
- CRC size
- Uplink transport channel type
- UL Transport channel identity
- TFS
- CHOICE Transport channel type
- Dynamic Transport format information
- RLC Size
- Number of TBs and TTI List
- Transmission Time Interval
- Number of Transport blocks
- Transmission Time Interval
- Number of Transport blocksCHOICE Logical Channel list
- Semi-static Transport Format information
- Transmission time interval
- Type of channel coding
- Coding Rate
- Rate matching attribute
- CRC size
- Uplink transport channel type
- UL Transport channel identity
- TFS
- CHOICE Transport channel type
- Dynamic Transport format information
- RLC Size
- Number of TBs and TTI List
- Transmission Time Interval
- Number of Transport blocks
- Transmission Time Interval
- Number of Transport blocks
- CHOICE Logical Channel list
- Semi-static Transport Format information
- Transmission time interval
- Type of channel coding
- Coding Rate
- Rate matching attribute
- CRC size

Value/remark

Dedicated transport channels

Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)

Not Present

Reference to TS34.108 clause 6.10 Parameter Set All

Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set DCH

2

Dedicated transport channels

Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)

Not Present

Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)

Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set DCH

Dedicated transport channels

Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)

Not Present

Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)

Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set DCH

Dedicated transport channels

Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)

Not Present

Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)

Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set

Information Element	Value/remark
CHOICE mode - CPCH set ID	FDD Not Present
- Added or Reconfigured TrCH information for DRAC	Not Present
list	THE TOOM
DL Transport channel information common for all	
transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	FDD
- CHOICE DL parameters	Same as UL Not Present
Deleted TrCH information list Added or Reconfigured TrCH information list	3 DCHs
Added or Reconfigured DL TrCH information	3 00113
- Downlink transport channel type	DCH
- DL Transport channel identity	6
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL TrCH identity	1
- DCH quality target - BLER Quality value	-2.0
- Transparent mode signalling info	Not Present
- Downlink transport channel type	DCH
- DL Transport channel identity	7
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL TrCH identity	2
- DCH quality target - BLER Quality value	Not Present
- Transparent mode signalling info	Not Present
- Downlink transport channel type	DCH
- DL Transport channel identity	8
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL TrCH identity	3
- DCH quality target - BLER Quality value	Not Present
- Transparent mode signalling info	Not Present
- Downlink transport channel type	DCH
- DL Transport channel identity	10
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL TrCH identity - DCH quality target	5
- BLER Quality value	-2.0
- Transparent mode signalling info	Not Present
Frequency info	Not Present
Maximum allowed UL TX power	33dBm
CHOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	E A D
- DPCCH power offset - PC Preamble	-6dB 1 frame
- SRB delay	7 frames
- Power Control Algorithm	Algorithm1
- TPC step size	1dB
- Scrambling code type	Long
- Scrambling code number	0 (0 to 16777215)
- Number of DPDCH	Not Present(1)
- spreading factor - TFCI existence	Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set
- Number of FBI bit	Reference to TS34.108 clause 6.10 Parameter Set
- Puncturing Limit	Reference to TS34.108 clause 6.10 Parameter Set
CHOICE Mode	FDD
- Downlink PDSCH information	Not Present
Downlink information common for all radio links	
- Downlink DPCH info common for all RL	Maintain
- Timing indicator - CFN-targetSFN frame offset	Maintain Not Present
- Downlink DPCH power control information	I NOT I TESETIL
Downlink of off power control information	

Information Element	Value/remark
- DPC mode	0 (single)
- CHOICE mode	FDD
- Power offset P _{Pilot-DPDCH}	0
 DL rate matching restriction information 	Not Present
- Spreading factor	Reference to TS34.108 clause 6.10 Parameter Set
 Fixed or Flexible Position 	Reference to TS34.108 clause 6.10 Parameter Set
- TFCI existence	Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE SF	Reference to TS34.108 clause 6.10 Parameter Set
 DPCH compressed mode info 	Not Present
- TX Diversity mode	None
- SSDT information	Not Present
- Default DPCH Offset Value	Not Present
Downlink information for each radio link list	
 Downlink information for each radio link 	
- Choice mode	FDD
- Primary CPICH info	
- Primary scrambling code	Reference to clause 6.1 "Default settings (FDD)"
- PDSCH with SHO DCH info	Not Present
- PDSCH code mapping	Not Present
- Downlink DPCH info for each RL	
- Primary CPICH usage for channel estimation	Primary CPICH may be used
- DPCH frame offset	0 chips
- Secondary CPICH info	Not Present
- DL channelisation code	
- Secondary scrambling code	1
- Spreading factor	Reference to TS34.108 clause 6.10 Parameter Set
- Code number	0
- Scrambling code change	No change
- TPC combination index	0 Not Brosset
- SSDT Cell Identity	Not Present
- Closed loop timing adjustment mode	Not Present
- SCCPCH information for FACH	Not Present

Contents of RADIO BEARER SETUP message: AM or UM (Packet to CELL_DCH from CELL_DCH in PS)

Information Element	Value/remark		
Message Type			
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3		
Integrity check info	The presence of this IE is dependent on IXIT statements		
	in TS 34.123-2. If integrity protection is indicated to be		
	active, this IE is present with the values of the sub IEs as		
manage and and the desired	stated below. Else, this IE and the sub-IEs are omitted.		
- message authentication code	SS calculates the value of MAC-I for this message and		
- RRC message sequence number	writes to this IE. SS provides the value of this IE, from its internal counter.		
Integrity protection mode info	Not Present		
Ciphering mode info	Not Present		
Activation time	(256+CFN-(CFN MOD 8 + 8))MOD 256		
New U-RNTI	Not Present		
New C-RNTI	Not Present		
New DSCH-RNTI	Not Present		
RRC State indicator	CELL_DCH		
UTRAN DRX cycle length coefficient	Not Present		
CN information info	Not Present		
URA identity	Not Present		
Signalling RB information to setup RAB information for setup	Not Present		
- RAB info			
- RAB identity	0000 0101B		
- CN domain identity	PS domain		
- NAS Synchronization Indicator	Not Present		
- Re-establishment timer	UseT315		
- RB information to setup			
- RB identity	20		
- PDCP info			
- Support for lossless SRNS relocation	FALSE		
- Max PDCP SN window size - PDCP PDU header	Not present		
- Header compression information	Absent Not present		
- CHOICE RLC info type	RLC info		
- CHOICE Uplink RLC mode	AM RLC		
- Transmission RLC discard	7		
- SDU discard mode	No discard		
- MAX_DAT	15		
- Transmission window size	128		
- Timer_RST	500		
- Max_RST	4		
Polling infoTimer_poll_prohibit	200		
- Timer_poll_ - Timer_poll	200		
- Poll_PDU	Not Present		
- Poll_SDU	1		
- Last transmission PDU poll	TRUE		
- Last retransmission PDU poll	TRUE		
- Poll_Windows	99		
- Timer_poll_periodic	Not Present		
- CHOICE Downlink RLC mode	AM RLC		
In-sequence deliveryReceiving window size	TRUE 128		
- Downlink RLC status info	120		
- Timer_status_prohibit	200		
- Timer_EPC	Not Present		
- Missing PDU indicator	TRUE		
- Timer_STATUS_periodic	Not Present		
- RB mapping info			
- Information for each multiplexing option	2 RBMuxOptions		
- RLC logical channel mapping indicator	Not Present		
Number of uplink RLC logical channels Uplink transport channel type	1 DCH		
- UL Transport channel identity	1 DCH		
- Logical channel identity	Not Present		
Logical orialition (donate)	11011100011		

Information Element	Value/remark		
- CHOICE RLC size list	Configured Value/remark		
- MAC logical channel priority	8		
- Downlink RLC logical channel info			
- Number of downlink RLC logical channels	1		
- Downlink transport channel type	DCH		
- DL DCH Transport channel identity	6		
- DL DSCH Transport channel identity	Not Present		
- Logical channel identity	Not Present		
 RLC logical channel mapping indicator 	Not Present		
 Number of uplink RLC logical channels 	1		
 Uplink transport channel type 	RACH		
- UL Transport channel identity	Not Present		
- Logical channel identity	7		
- CHOICE RLC size list	Explicit List		
- RLC size index	Reference to TS34.108 clause 6 Parameter Set 8		
MAC logical channel priority Downlink RLC logical channel info	0		
Number of downlink RLC logical channels	1		
- Downlink transport channel type	FACH		
- DL DCH Transport channel identity	Not Present		
- DL DSCH Transport channel identity	Not Present		
- Logical channel identity	7		
RB information to be affected list	Not Present		
Downlink counter synchronisation info	Not Present		
UL Transport channel information for all transport			
channels			
- PRACH TFCS	Not Present		
- CHOICE mode	FDD		
- TFC subset	Not Present		
- UL DCH TFCS			
- CHOICE TFCI signalling	Normal		
- TFCI Field 1 information - CHOICE TFCS representation	Complete reconfiguration		
- TFCS complete reconfigure information	Complete reconfiguration		
- CHOICE CTFC Size			
- CTFC information	This IE is repeated for TFC numbers and reference to		
	TS34.108 clause 6.10.2.4		
- CTFC	Reference to TS34.108 clause 6.10.2.4 Parameter Set		
 Power offset information 			
- CHOICE Gain Factors	Computed Gain Factors(The last TFC is set to Computed		
	Gain Factors)		
- Gain factor βc	11 (below 64 kbps)		
	9 (higher than 64 kbps)		
	(Not Present if the above is set to Computed Gain		
Cain factor Rd	Factors)		
- Gain factor βd	(Not Present if the above is set to Computed Gain		
	Factors)		
- Reference TFC ID	0		
- CHOICE mode	FDD		
- Power offset P p-m	Not Present		
Deleted TrCH information list	Not Present		
Added or Reconfigured TrCH information list			
- Added or Reconfigured UL TrCH information			
- Uplink transport channel type	DCH		
- UL Transport channel identity	1		
- TFS			
- CHOICE Transport channel type	Dedicated transport channels		
- Dynamic Transport format information	Peterange to TS24 109 players 6 40 Peremeter Set		
- RLC Size - Number of TBs and TTI List	Reference to TS34.108 clause 6.10 Parameter Set		
- Number of TBS and TTT List - Transmission Time Interval	(This IE is repeated for TFI number.) Not Present		
- Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set		
- CHOICE Logical Channel list	All		
- Semi-static Transport Format information	· ···		
- Transmission time interval	Reference to TS34.108 clause 6.10 Parameter Set		
- Type of channel coding	Reference to TS34.108 clause 6.10 Parameter Set		

Information Element	Value/remark
- Coding Rate	Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute	Reference to TS34.108 clause 6.10 Parameter Set
- CRC size	Reference to TS34.108 clause 6.10 Parameter Set
CHOICE mode	FDD
- CPCH set ID	Not Present
- Added or Reconfigured TrCH information for	Not Present
DRAC list	
DL Transport channel information common for all	
transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	FDD
- CHOICE DL parameters	Explicit
- DL DCH TFCS	Name
- CHOICE TFCI signalling - TFCI Field 1 information	Normal
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfigure	Complete reconliguration
- CHOICE CTFC Size	
- CTFC information	This IE is repeated for TFC numbers and reference to
	TS34.108 clause 6.10.2.4
- CTFC	Reference to TS34.108 clause 6.10.2.4 Parameter Set
- Power offset information	Not present
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	
- Added or Reconfigured DL TrCH information	
- Downlink transport channel type	DCH
- DL Transport channel identity	6
- CHOICE DL parameters - TFS	Explicit
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	Dedicated transport charmers
- RLC Size	Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List	(This IE is repeated for TFI number.)
- Transmission Time Interval	Not Present
- Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set
- Semi-static Transport Format information	
- Transmission time interval	Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding	Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate	Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute - CRC size	Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set
	Reference to 1554.106 clause 6.10 Parameter Set
- DCH quality target - BLER Quality value	-2.0
- Transparent mode signalling info	Not Present
Frequency info	Not Present
Maximum allowed UL TX power	33dBm
CHOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	
- DPCCH power offset	-6dB
- PC Preamble	1 frame
- SRB delay	7 frames
- Power Control Algorithm	Algorithm1
- TPC step size - Scrambling code type	1dB Long
- Scrambling code type - Scrambling code number	0 (0 to 16777215)
- Number of DPDCH	Not Present(1)
- spreading factor	Reference to TS34.108 clause 6.10 Parameter Set
- TFCI existence	Reference to TS34.108 clause 6.10 Parameter Set
- Number of FBI bit	Reference to TS34.108 clause 6.10 Parameter Set
- Puncturing Limit	Reference to TS34.108 clause 6.10 Parameter Set
CHOICE Mode	FDD
- Downlink PDSCH information	Not Present
Downlink information common for all radio links	
- Downlink DPCH info common for all RL	Maintain
- Timing indicator - CFN-targetSFN frame offset	Maintain Not Present
- Downlink DPCH power control information	INOT I-162611
Downlink Dr Orr power control information	

Information Element	Value/remark
- DPC mode	0 (single)
- CHOICE mode	FDD
- Power offset P _{Pilot-DPDCH}	0
 DL rate matching restriction information 	Not Present
- Spreading factor	Reference to TS34.108 clause 6.10 Parameter Set
 Fixed or Flexible Position 	Reference to TS34.108 clause 6.10 Parameter Set
- TFCI existence	Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE SF	Reference to TS34.108 clause 6.10 Parameter Set
 DPCH compressed mode info 	Not Present
- TX Diversity mode	None
- SSDT information	Not Present
- Default DPCH Offset Value	Not Present
Downlink information for each radio link list	
 Downlink information for each radio link 	
- Choice mode	FDD
- Primary CPICH info	
 Primary scrambling code 	Reference to clause 6.1 "Default settings (FDD)"
- PDSCH with SHO DCH info	Not Present
- PDSCH code mapping	Not Present
 Downlink DPCH info for each RL 	
 Primary CPICH usage for channel estimation 	Primary CPICH may be used
- DPCH frame offset	0 chips
- Secondary CPICH info	Not Present
 DL channelisation code 	
 Secondary scrambling code 	1
- Spreading factor	Reference to TS34.108 clause 6.10 Parameter Set
- Code number	0
 Scrambling code change 	No change
- TPC combination index	0
- SSDT Cell Identity	Not Present
- Closed loop timing adjustment mode	Not Present
- SCCPCH information for FACH	Not Present

Contents of RADIO BEARER SETUP message: AM or UM

Information Element	Condition	Value/remark
Message Type	A1, A4, A5,	
RRC transaction identifier	A6, A7, A8	Arbitrarily selects an integer between 0 and 3
Integrity check info		The presence of this IE is dependent on IXIT
anogny oncon mo		statements in TS 34.123-2. If integrity
		protection is indicated to be active, this IE is
		present with the values of the sub IEs as
		stated below. Else, this IE and the sub-IEs are omitted.
- message authentication code		SS calculates the value of MAC-I for this
		message and writes to this IE.
- RRC message sequence number		SS provides the value of this IE, from its
Integrity protection made info		internal counter. Not Present
Integrity protection mode info Ciphering mode info		Not Present
Activation time	A1, A4, A7,	(256+CFN-(CFN MOD 8 + 8))MOD 256
	A8	
Activation time	A5, A6	Not Present
New U-RNTI New C-RNTI	A1, A4, A7,	Not Present Not Present
New C-RN II	A1, A4, A7, A8	Not Flesetit
New C-RNTI	A5, A6	'1010 1010 1010 1010'
New DSCH-RNTI	A1, A4, A5,	Not Present
RRC State indicator	A6, A7, A8	CELL_DCH
RRC State indicator	A1, A4,A7,A8	CELL_DCH
RRC State indicator	A5, A6	CELL_FACH
UTRAN DRX cycle length coefficient	A1, A4, A5,	Not Present
CN information info	A6,A7,A8	Not Present
URA identity		Not Present
Signalling RB information to setup		Not Present
RAB information for setup	A1,A7	
- RAB info - RAB identity		0000 0001B
- CN domain identity		CS domain
- NAS Synchronization Indicator		Not Present
- Re-establishment timer		useT315
- RB information to setup		
- RB identity		10
- PDCP info		Not Present
- CHOICE RLC info type		RLC info
- CHOICE Uplink RLC mode - Transmission RLC discard		TM RLC Not Present
- Segmentation indication		FALSE
- CHOICE Downlink RLC mode		TM RLC
 Segmentation indication 		FALSE
- RB mapping info		
 Information for each multiplexing option RLC logical channel mapping indicator 		Not Present
Number of uplink RLC logical channels		1
- Uplink transport channel type		DCH
 UL Transport channel identity 		1
- Logical channel identity		Not Present
 CHOICE RLC size list MAC logical channel priority 		Configured 1
- Downlink RLC logical channel info		'
 Number of downlink RLC logical channels 		1
- Downlink transport channel type		DCH
 DL DCH Transport channel identity DL DSCH Transport channel identity 		6 Not Present
- DE DSCH Transport channel identity - Logical channel identity		Not Present
RAB information for setup	A8	
- RAB info		

Information Element	Condition	Value/remark
- RAB identity		0000 0001B
- CN domain identity		CS domain
- NAS Synchronization Indicator		Not Present
- Re-establishment timer		useT315
- RB information to setup		
- RB identity		10
- PDCP info		Not Present
- CHOICE RLC info type		RLC info
- CHOICE Uplink RLC mode		TM RLC
- Transmission RLC discard		Not Present
 Segmentation indication 		FALSE
- CHOICE Downlink RLC mode		TM RLC
 Segmentation indication 		FALSE
- RB mapping info		
- Information for each multiplexing option		N. B.
- RLC logical channel mapping indicator		Not Present
- Number of uplink RLC logical channels		1
- Uplink transport channel type		DCH
- UL Transport channel identity		1 Not Broomt
- Logical channel identity		Not Present
- CHOICE RLC size list		Configured
 MAC logical channel priority Downlink RLC logical channel info 		7
Number of downlink RLC logical channels		1
Downlink transport channel type		DCH
- DL DCH Transport channel identity		6
- DL DSCH Transport channel identity		Not Present
- Logical channel identity		Not Present
- RB identity		11
- PDCP info		Not Present
- CHOICE RLC info type		RLC info
- CHOICE Uplink RLC mode		TM RLC
- Transmission RLC discard		Not Present
- Segmentation indication		FALSE
- CHOICE Downlink RLC mode		TM RLC
 Segmentation indication 		FALSE
- RB mapping info		
 Information for each multiplexing option 		
- RLC logical channel mapping indicator		Not Present
- Number of uplink RLC logical channels		1
- Uplink transport channel type		DCH
- UL Transport channel identity		2 Not Droppet
- Logical channel identity		Not Present
- CHOICE RLC size list		Configured 7
 MAC logical channel priority Downlink RLC logical channel info 		'
Number of downlink RLC logical channels		1
Downlink transport channel type		DCH
- DL DCH Transport channel identity		7
- DL DSCH Transport channel identity		Not Present
- Logical channel identity		Not Present
- RB identity		12
- PDCP info		Not Present
- CHOICE RLC info type		RLC info
- CHOICE Uplink RLC mode		TM RLC
- Transmission RLC discard		Not Present
- Segmentation indication		FALSE
- CHOICE Downlink RLC mode		TM RLC
- Segmentation indication		FALSE
- RB mapping info		
- Information for each multiplexing option		N. P.
- RLC logical channel mapping indicator		Not Present
- Number of uplink RLC logical channels		1 DCH
- Uplink transport channel type		DCH
- UL Transport channel identity		3 Not Present
 Logical channel identity CHOICE RLC size list 		Not Present Configured
OTTOTOL INLO SIZE IISI	<u> </u>	_ Comgarda

Information Element	Condition	Value/remark
- MAC logical channel priority	Janaition	7
- Downlink RLC logical channel info		·
- Number of downlink RLC logical channels		1
- Downlink transport channel type		DCH
 DL DCH Transport channel identity 		8
 DL DSCH Transport channel identity 		Not Present
- Logical channel identity		Not Present
RAB information for setup	A4, A5, A6	
- RAB info		(AM DTCH for PS domain)
- RAB identity		0000 0101B
- CN domain identity		PS domain
- NAS Synchronization Indicator		Not Present
- Re-establishment timer		useT315
- RB information to setup		20
- RB identity - PDCP info		20
- Support for lossless SRNS relocation		FALSE
- Max PDCP SN window size		Not present
- PDCP PDU header		Absent
- Header compression information		Not present
- CHOICE RLC info type		RLC info
- CHOICE Uplink RLC mode		AM RLC
- Transmission RLC discard		
- CHOICE SDU discard mode		No Discard
- MAX_DAT		15
- Transmission window size		128
- Timer_RST		500
- Max_RST		4
- Polling info		
- Timer_poll_prohibit		200
- Timer_poll		200 Not Present
- Poll_PDU - Poll_SDU		Not Present
- Poll_SDU - Last transmission PDU poll		TRUE
- Last transmission PDU poll		TRUE
- Poll_Windows		99
- Timer_poll_periodic		Not Present
- CHOICE Downlink RLC mode		AM RLC
- In-sequence delivery		TRUE
- Receiving window size		128
- Downlink RLC status info		
- Timer_status_prohibit		200
- Timer_EPC		Not Present
- Missing PDU indicator		TRUE
- Timer_STATUS_periodic		Not Present
- RB mapping info		2 PPMuvOntions
- Information for each multiplexing option		2 RBMuxOptions
RLC logical channel mapping indicator Number of uplink RLC logical channels		Not Present
- Number of uplink RLC logical channels - Uplink transport channel type		DCH
- UL Transport channel identity		1
- Logical channel identity		Not Present
- CHOICE RLC size list		Configured
- MAC logical channel priority		8
- Downlink RLC logical channel info		
- Number of downlink RLC logical channels		1
 Downlink transport channel type 		DCH
 DL DCH Transport channel identity 		6
- DL DSCH Transport channel identity		Not Present
- Logical channel identity		Not Present
- RLC logical channel mapping indicator		Not Present
- Number of uplink RLC logical channels		1 PACH
- Uplink transport channel type		RACH Not Present
- UL Transport channel identity		Not Present 7
- Logical channel identity - CHOICE RLC size list		Explicit list
- RLC size index		Reference to TS34.108 clause 6 Parameter
I TALO SIZO ITIUGA	I	Transferred to 1004.100 diause of arameter

Information Element	Condition	Value/remark
omaton Elomont	23	Set
- MAC logical channel priority		8
- Downlink RLC logical channel info		
- Number of downlink RLC logical channels		1
- Downlink transport channel type		FACH
- DL DCH Transport channel identity		Not Present
DL DSCH Transport channel identity Logical channel identity		Not Present 7
RB information to be affected	A1, A4, A5,	Not Present
The information to be allected	A6,A7,A8	THE THOUSEN
Downlink counter synchronisation info	A1, A4, A5,	Not Present
·	A6,A7,A8	
UL Transport channel information for all transport	A1,A4,A7,	
channels - PRACH TFCS	A8	Not Present
- PRACH TPCS - CHOICE mode		FDD
- TFC subset		Not Present
- UL DCH TFCS		THE THOUSAN
- CHOICE TFCI signalling		Normal
- TFCI Field 1 information		
- CHOICE TFCS representation		Complete reconfiguration
- TFCS complete reconfigure information		N 1 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
- CHOICE CTFC Size		Number of bits used must be enough to cover
		all combinations of CTFC from TS34.108 clause 6.10.2.4 Parameter Set.
- CTFC information		This IE is repeated for TFC numbers and
- OTI O IIIIOTTIALIOTI		reference to TS34.108 clause 6.10.2.4
		Parameter Set
- CTFC		Reference to TS34.108 clause 6.10.2.4
		Parameter Set
- Power offset information		
- CHOICE Gain Factors		Computed Gain Factors (The last TFC is set to
- Gain factor βc		Signalled Gain Factors) 11 (below 64 kbps)
- Gairriactor pc		9 (higher than 64 kbps) (Not Present if the
		CHOICE Gain Factors is set to Computed
		Gain Factors)
- Gain factor βd		15
		(Not Present if the CHOICE Gain Factors is set
Deference TEC ID		to Computed Gain Factors)
- Reference TFC ID - CHOICE mode		0 FDD
- Power offset P p-m		Not Present
UL Transport channel information for all transport	A5, A6	Not Present
channels	,	
- PRACH TFCS		
- CHOICE mode		
- TFC subset		
- UL DCH TFCS Deleted UL TrCH information	A1, A4, A5,	Not Present
Deleted OF HOLLHIOIIIation	A1, A4, A5, A6,A7,A8	INOUT I GOOTH
Added or Reconfigured UL TrCH information	A1	
- Uplink transport channel type		DCH
 UL Transport channel identity 		1
- TFS		
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		Reference to TS34.108 clause 6.10 Parameter
- RLC Size		Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter
·		Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		Deference to TCC4 400 eleves C 40 Demand
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter Set
1	1	ا عود

Information Floriant	0	Malara fra manda
Information Element	Condition	Value/remark
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
- Coding Rate		Set Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter Set
Added or Reconfigured UL TrCH information	A4,A7	2 TrCHs(DCH for DCCH and DCH for DTCH)
- Uplink transport channel type	,	DCH
- UL Transport channel identity		5
- TFS		
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		'
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
		Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter
'		Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter Set
- Uplink transport channel type		DCH
- UL Transport channel identity		1
- TFS		
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
Number of TDs and TTLL ist		Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Transmission Time Interval		Not Present Reference to TS34.108 clause 6.10 Parameter
- Number of Transport blocks		Set
CHOICE Logical Channel list		All
- CHOICE Logical Channel list - Semi-static Transport Format information		All
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
- Hansinission tille interval		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
On the re Dete		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
- 0110 3126		Set
Added or Reconfigured UL TrCH information	A8	4 TrCHs(DCH for DCCH and 3DCHs for
Adda of Roomingaroa of Horrimonnation	7.00	DTCH)
- Uplink transport channel type		DCH
- UL Transport channel identity		5
- TFS		-
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
		Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter

Information Element	Condition	Value/remark
		Set
- CHOICE Logical Channel list		All
 Semi-static Transport Format information Transmission time interval 		Deference to TS24 100 eleves 6 10 Decemptor
- Transmission line interval		Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
- Coding Rate		Set Reference to TS34.108 clause 6.10 Parameter
- Rate matching attribute		Set Reference to TS34.108 clause 6.10 Parameter
<u>-</u>		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter Set
 Uplink transport channel type 		DCH
- UL Transport channel identity		1
- TFS		Dedicated transport shappels
 CHOICE Transport channel type Dynamic Transport format information 		Dedicated transport channels
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
Number of TRe and TTLL ist		Set (This IE is reported for TEL number.)
 Number of TBs and TTI List Transmission Time Interval 		(This IE is repeated for TFI number.) Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter
		Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		Defending to T004 400 eleves 0.40 Demonstra
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter Set
- Uplink transport channel type		DCH
- UL Transport channel identity - TFS		2
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		Bodiodiod transport originals
- RLC Size		Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE Logical Channel list		All
 Semi-static Transport Format information 		
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
- Type of channel coding		Set Reference to TS34.108 clause 6.10 Parameter
- Coding Rate		Set Reference to TS34.108 clause 6.10 Parameter
- Rate matching attribute		Set Reference to TS34.108 clause 6.10 Parameter
- CRC size		Set Reference to TS34.108 clause 6.10 Parameter
		Set
- Uplink transport channel type		DCH
 UL Transport channel identity TFS 		3
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		
- RLC Size		Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)

Information Element	Condition	Value/remark
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		7 111
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter Set
CHOICE mode		FDD
- CPCH set ID		Not Present
- Added or Reconfigured TrCH information for DRAC list		Not Present
Added or Reconfigured UL TrCH information	A5, A6	Not Present
CHOICE mode	A1, A4, A5,	FDD
	A6,A7,A8	
- CPCH set ID		Not Present
- Added or Reconfigured TrCH		Not Present
information for DRAC list		
DL Transport channel information common for all	A1,A7,A8	
transport channel	, ,	
- SCCPCH TFCS		Not Present
- CHOICE mode		FDD
- CHOICE DL parameters		SameasUL
DL Transport channel information common for all	A4	
transport channel - SCCPCH TFCS		Not Present
- CHOICE mode		FDD
- CHOICE DL parameters		Explicit
- DL DCH TFCS		,
- CHOICE TFCI Signalling		Normal
- TFCI Field 1 Information		
- CHOICE TFCS representation		Complete reconfiguration
- TFCS complete reconfigure		Number of hits wood much be appropriate according
- CHOICE CTFC Size		Number of bits used must be enough to cover all combinations of CTFC from clause
		TS34.108 clause 6.10.2.4 Parameter Set.
- CTFC information		This IE is repeated for TFC numbers and
		reference to TS34.108 clause 6.10.2.4
- CTFC		Reference to TS34.108 clause 6.10.2.4
		Parameter Set
- Power offset information	A.F. A.C.	Not Present
DL Transport channel information common for all	A5, A6	Not Present
transport channel - SCCPCH TFCS		
- SCOPCH TPCS - CHOICE mode		
- CHOICE DL parameters		
Deleted DL TrCH information	A1, A4, A5,	Not Present
	A6,A7,A8	
Added or Reconfigured DL TrCH information	A1	
- Downlink transport channel type		DCH
- DL Transport channel identity		6
- CHOICE DL parameters		Same as UL
 Uplink transport channel type UL TrCH identity 		DCH
- DCH quality target		'
- BLER Quality value		-2.0
- Transparent mode signalling info		Not Present
Added or Reconfigured DL TrCH information	A4,A7	2 TrCHs(DCH for DCCH and DCH for DTCH)
- Downlink transport channel type		DCH '

- Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - DCH quality target - BLER Quality value - Transparent mode signalling info - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - UL TrCH identity - DCH quality value - Transparent mode signalling info - Downlink transport channel type - DL Transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - DL Transport channel identity - DCH quality value - Transparent mode signalling info - Downlink transport channel type - DL Transport channel type - DL Transport channel identity - DCH quality traget - BLER Quality value - Transparent mode signalling info - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TRS - CHOICE Transport channel identity - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of Transport blocks - Semi-static Transport Format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - Reference to TS34.108 clause 6.10 Parameter Set - Reference to TS34.1	Information Element	Condition	Value/remark
- CHOICE DL parameters Uplink transport channel type UL TrCH Identity DCH quality target BLER Quality value - Du Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission time interval - CRC size - DCH quality target - BLER Quality value - Transport channel type - DCH quality target - BLER Quality value - Transport format information - Transmission time interval - CRC size - DCH quality target - BLER Quality value - Transport channel type - UL Transport channel type - Du Transport ch			
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- Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Transparent mode signalling info - Downlink transport channel type - DL Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - Reference to TS34.108 clause 6.10 Parameter Set			
- DL Transport channel identity - CHOICE DL parameters - Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Transparent mode signalling info - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute 10 Same as UL DCH Same as UL DCH Not Present Not Present Pedicated transport channel Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter	- Downlink transport channel type		
- Uplink transport channel type - UL TrCH identity - DCH quality target - BLER Quality value - Transparent mode signalling info - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - Teasparent mode signalling info - Not Present - Not Present - Dedicated transport channel - Explicit - Explicit - Dedicated transport channel - Explicit - Type and TTI List - Dedicated transport channel - Transmission Time information - Transmission Time Interval - Not Present - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter	- DL Transport channel identity		10
- UL TrCH identity - DCH quality target - BLER Quality value - Transparent mode signalling info - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute 5 Not Present Not Present Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter			Same as UL
- DCH quality target - BLER Quality value - Transparent mode signalling info - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - Not Present Not Present - Dedicated transport channel - Explicit - Dedicated transport channel - Reference to TS34.108 clause 6.10 Parameter Set - Reference to TS34.108 clause 6.10 Parameter			
- BLER Quality value - Transparent mode signalling info - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute Not Present Not Present (This IE is repeated for TFI number.) Not Present (This IE is repeated for TFI number.) Reference to TS34.108 clause 6.10 Parameter Set	The state of the s		5
- Transparent mode signalling info - Downlink transport channel type - DL Transport channel identity - CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute Not Present DCH 6 6 Explicit - Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter			
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- CHOICE DL parameters - TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - Explicit - Dedicated transport channel Dedicated transport channel Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter			-
- TFS - CHOICE Transport channel type - Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - TFS - CHOICE Transport channel type Dedicated transport channel Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter			-
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- Dynamic transport format information - RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - Reference to TS34.108 clause 6.10 Parameter Set			Dedicated transport channel
- RLC Size - Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set	- Dynamic transport format information		Bodioatod transport orialmor
- Number of TBs and TTI List - Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute (This IE is repeated for TFI number.)			Reference to TS34.108 clause 6.10 Parameter
- Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter			
- Dynamic transport format information - Transmission Time Interval - Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute Not Present Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter	- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Number of Transport blocks - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute Reference to TS34.108 clause 6.10 Parameter Set			
- Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute Set Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set			
- Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - Reference to TS34.108 clause 6.10 Parameter Set	- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter
- Transmission time interval - Type of channel coding - Coding Rate - Reference to TS34.108 clause 6.10 Parameter Set	0 1 1 1 7 1 1 1 1 1 1 1 1		Set
- Type of channel coding - Coding Rate - Rate matching attribute Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter			Deference to TOOA 400 slaves 0.40 D
- Type of channel coding - Coding Rate - Coding Rate - Rate matching attribute Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set	- Transmission time Interval		
- Coding Rate - Coding Rate - Rate matching attribute Set Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter	Type of abannol coding		
- Coding Rate - Coding Rate - Rate matching attribute Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter	- Type of channel coding		
- Rate matching attribute Set Reference to TS34.108 clause 6.10 Parameter	- Coding Rate		1
- Rate matching attribute Reference to TS34.108 clause 6.10 Parameter	Ooding Itale		
3	- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
			Set
- CRC size Reference to TS34.108 clause 6.10 Parameter	- CRC size		Reference to TS34.108 clause 6.10 Parameter

Information Element	Condition	Value/remark
DOLL		Set
- DCH quality target - BLER Quality value		-2.0
- Transparent mode signalling info		Not Present
- Downlink transport channel type		DCH
- DL Transport channel identity		7
- CHOICE DL parameters		Explicit
- TFS		
 CHOICE Transport channel type 		Dedicated transport channel
 Dynamic transport format information 		
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
Number of TDs and TTLL ist		Set
Number of TBs and TTI List Dynamic transport format information		(This IE is repeated for TFI number.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter
		Set
 Semi-static Transport Format information 		
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
Coding Rate		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
rate matering attribute		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
		Set
- DCH quality target		
- BLER Quality value		Not Present
- Transparent mode signalling info		Not Present
- Downlink transport channel type		DCH
DL Transport channel identity CHOICE DL parameters		8 Explicit
- TFS		Explicit
- CHOICE Transport channel type		Dedicated transport channel
- Dynamic transport format information		
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
		Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Dynamic transport format information		N / P
 Transmission Time Interval Number of Transport blocks 		Not Present Reference to TS34.108 clause 6.10 Parameter
- Number of Transport blocks		Set
- Semi-static Transport Format information		Get
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
0.11. D.		Set Tagat too I and Tagat
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
Poto motobing ottribute		Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
55 55		Set
- DCH quality target		
- BLER Quality value		Not Present
- Transparent mode signalling info	1.5	Not Present
Added or Reconfigured DL TrCH information	A5, A6	Not Present
Frequency info	A1, A4, A5,	
- UARFCN uplink (Nu)	A6	Reference to clause 5.1 Test frequencies
- UARFCN downlink (Nd)		Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power	A1, A4, A7,	33dBm
	A8	
Maximum allowed UL TX power	A5, A6	Not Present
CHOICE channel requirement		Uplink DPCH info
- 1	, , ,,,,,,,	• •

Information Element	Condition	Value/remark
	A8	
- Uplink DPCH power control info		
- DPCCH power offset		-6dB
- PC Preamble		1 frame
- SRB delay		7 frames
- Power Control Algorithm		Algorithm1
- TPC step size		1dB
- Scrambling code type		Long
- Scrambling code number		0 (0 to 16777215)
- Number of DPDCH		Not Present(1)
- spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
		Set
- Number of FBI bit		Reference to TS34.108 clause 6.10 Parameter
D		Set
- Puncturing Limit		Reference to TS34.108 clause 6.10 Parameter
0110105	45.40	Set
CHOICE channel requirement	A5,A6	Not Present
CHOICE Mode	A1, A4, A5,	FDD
Develor DDCOLLists	A6,A7,A8	Not Droppet
- Downlink PDSCH information		Not Present
Downlink information common for all radio links	A1	
- Downlink DPCH info common for all RL		NA-i
- Timing indicator		Maintain
- CFN-targetSFN frame offset		Not Present
- Downlink DPCH power control information		
- DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0 Not Present
- DL rate matching restriction information - Spreading factor		Reference to TS34.108 clause 6.10 Parameter
- Spreading factor		Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter
- I ixed of I lexible I ostiloti		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
THE CHARGETTOO		Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter
0.10.02 0.		Set
- CHOICE mode		FDD
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value		Not Present
Downlink information common for all radio links	A4,A7,A8	
- Downlink DPCH info common for all RL		
- Timing indicator	1	Maintain
- CFN-targetSFN frame offset	1	Not Present
- Downlink DPCH power control information	1	
- DPC mode	1	0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}	1	0
- DL rate matching restriction information	1	Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Fixed or Flexible Position	1	Reference to TS34.108 clause 6.10 Parameter
	1	Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
	1	Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter
0110105		Set
- CHOICE mode	1	FDD
- DPCH compressed mode info		Not Present
- TX Diversity mode	1	None
- SSDT information	1	Not Present
- Default DPCH Offset Value	 	Arbitrary set to value 0306688 by step of 512
Downlink information common for all radio links	A5,A6	Not Present

Information Element	Condition	Value/remark
Downlink information for each radio link list	A1	7 di di di 1
- Downlink information for each radio link		
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		
 Primary CPICH usage for channel estimation 		Primary CPICH may be used
- DPCH frame offset		0 chips
0 1 00101111		N · P
- Secondary CPICH info		Not Present
- DL channelisation code		
 Secondary scrambling code Spreading factor 		1 Reference to TS34.108 clause 6.10 Parameter
- Spreading factor		Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity		Not Present
- Closed loop timing adjustment mode		Not Present
- SCCPCH information for FACH		Not Present
Downlink information for each radio link list	A4,A7,A8	
- Downlink information for each radio link	7 ,	
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		
 Primary CPICH usage for channel estimation 		Primary CPICH may be used
- DPCH frame offset		Set to value : Default DPCH Offset Value mod
		38400
On any dama ODIOU info		Not Decemb
- Secondary CPICH info		Not Present
DL channelisation code Secondary scrambling code		1
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity		Not Present
- Closed loop timing adjustment mode		Not Present
- SCCPCH information for FACH		Not Present
Downlink information for each radio link list	A5	
- Downlink information for each radio link		
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		Not present
- SCCPCH information for FACH	A C	Not Present
Downlink information for each radio link list	A6	
- Downlink information for each radio link		FDD
- Choice mode		FDD
- Primary CPICH info		Different from the Default actting in TS24 400
- Primary scrambling code		Different from the Default setting in TS34.108
- PDSCH with SHO DCH info		clause 6.1 (FDD) Not Present
- PDSCH with SHO DCH into - PDSCH code mapping		Not Present Not Present
- PDSCH code mapping - Downlink DPCH info for each RL		Not present
- SCCPCH information for FACH		Not Present
COOL OF INIOINIAGON FOR TAOU	1	HOLI IOGOIIL

Condition	Explanation
A1 A2 is defined in TS34.108 clause 9 in message "RADIO BEARER SETUP message: AM or UM (Speech in CS)".	This IE need for "Non speech to CELL_DCH from CELL_DCH in CS" This IE need for "Speech to CELL_DCH from CELL_DCH in CS"
A3 is defined in TS34.108 clause 9 in message "RADIO BEARER SETUP message: AM or UM (Packet to CELL_DCH from CELL_DCH in PS)".	This IE need for "Packet to CELL_DCH from CELL_DCH in PS"
A4 A5	This IE need for "Packet to CELL_DCH from CELL_FACH in PS" This IE need for "Packet to CELL_FACH from CELL_DCH in PS"
A6 A7 A8	This IE need for "Packet to CELL_FACH from CELL_FACH in PS" This IE need for "Non speech to CELL_DCH from CELL_FACH in CS" This IE need for "Speech to CELL_DCH from CELL_FACH in CS"

Contents of RADIO BEARER SETUP COMPLETE message: $\ensuremath{\mathsf{AM}}$

Message Type	
RRC transaction identifier	Checked to see if the value is identical to the same IE in the downlink RADIO BEARER SETUP message.
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Uplink integrity protection activation info CHOICE mode START	Not checked. FDD Not checked
COUNT-C activation time	The UE shall include this IE if the following two conditions are fulfilled: (a) The RADIO BEARER SETUP message did not contain the IE "Ciphering activation time for DPCH" and (b) The RADIO BEARER SETUP message established the first RB(s) mapped to RLC-TM for a CN domain or released the last RB(s) mapped to RLC-TM for a CN domain. Else, this IE is absent.
Radio bearer uplink ciphering activation time info	If ciphering is not activated in RADIO BEARER SETUP message, this IE must be absent. Else, SS checks this IE for the presence of activation times of all ciphered uplink RLC-UM and RLC-AM RBs.
Uplink counter synchronisation info	Not checked

Contents of RADIO BEARER SETUP FAILURE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identitifer	Checked to see if it is set to identical value of the same IE
	in the downlink RADIO BEARER SETUP message.
Integrity check info	The presence if this IE is dependent on IXIT statements in
	TS 34.123-2. if integrity protection is indicated to be
	active, this IE shall be present with the values of the sub
	IEs as stated below. Else, this IE and the sub-IEs shall be
	absent.
- Message authentication code	This IE is checked to see if it is present. The value is
	compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is
	used by SS to compute the XMAC-I value.
Failure cause	Checked to see if it meets test requirement
Radio bearers for which reconfiguration would have	Not checked
succeeded	

Contents of RADIO BEARER RECONFIGURATION message: AM or UM

Information Element	Condition	Value/remark
Message Type	A1,A2,A3,	
RRC transaction identifier	A4,A5,A6	Arbitrarily selects an integer between 0 and 3
Integrity check info		The presence of this IE is dependent on IXIT
integrity check time		statements in TS 34.123-2. If integrity
		protection is indicated to be active, this IE is
		present with the values of the sub IEs as
		stated below. Else, this IE and the sub-IEs are
- message authentication code		omitted. SS calculates the value of MAC-I for this
- message authernication code		message and writes to this IE.
- RRC message sequence number		SS provides the value of this IE, from its
		internal counter.
Integrity protection mode info		Not Present
Ciphering mode info	44 40 40	Not Present
Activation time	A1,A2,A3, A4	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time	A5,A6	Not Present
New U-RNTI	710,710	Not Present
New C-RNTI	A1, A2, A3,	Not Present
	A4,	
New C-RNTI	A5, A6	'1010 1010 1010 1010' Not Present
New DSCH-RNTI	A1, A2, A3, A4, A5, A6	NOT FIESERI
RRC State indicator	A1, A2, A3,	CELL_DCH
RRC State indicator	A4 A5, A6	CELL FACH
UTRAN DRX cycle length coefficient	A1,A2,A3,	Not Present
2 Tru ar Brox oyolo longar ocomoloni	A4,A5,A6	THOST TOOGHT
CN information info		Not Present
URA identity		Not Present
RAB information to reconfigure list	A 4	Not Present
RB information to reconfigure list	A1	TS25.331 specifies that "Although this IE is not always required, need is MP to align with
		ASN.1".
- RB information to reconfigure		(UM DCCH for RRC)
- RB identity		1
- PDCP info		Not Present
- PDCP SN info - RLC info		Not Present Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for RRC)
- RB identity		2
- PDCP info - PDCP SN info		Not Present Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS_DT High priority)
- RB identity		3
- PDCP info - PDCP SN info		Not Present
- PDCP SN INTO - RLC info		Not Present Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS_DT Low priority)
- RB identity		A Not Procent
- PDCP info - PDCP SN info		Not Present Not Present
- PDCP SN IIII0 - RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(TM DTCH)
- RB identity	I	10

Information Element	Condition	Value/remark
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue	A 0	Not Present
RB information to reconfigure list	A2	TS25.331 specifies that "Although this IE is not always required, need is MP to align with
		ASN.1".
- RB information to reconfigure		(UM DCCH for RRC)
- RB identity		1
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present Not Present
RB stop/continueRB information to reconfigure		(AM DCCH for RRC)
- RB identity		2
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure - RB identity		(AM DCCH for NAS_DT High priority) 3
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS_DT Low priority)
- RB identity - PDCP info		4 Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(TM DTCH)
- RB identity - PDCP info		10 Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(TM DTCH)
- RB identity		11 Not Broomt
- PDCP info - PDCP SN info		Not Present Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(TM DTCH)
		(This IE is needed for 12.2 kbps and 10.2
- PR identity		kbps)
- RB identity - PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
RB information to reconfigure list	A3,A4,A5, A6	TS25.331 specifies that "Although this IE is not always required, need is MP to align with
		ASN.1".
- RB information to reconfigure - RB identity		(UM DCCH for RRC)
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present

Information Element	Condition	Value/remark
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for RRC)
- RB identity		2
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS_DT High priority)
- RB identity		3
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DCCH for NAS_DT Low priority)
- RB identity		4
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue		Not Present
- RB information to reconfigure		(AM DTCH)
- RB identity		20
- PDCP info		Not Present
- PDCP SN info		Not Present
- RLC info		Not Present
- RB mapping info		Not Present
- RB stop/continue RB information to be affected A	A 4 A 2	Not Present
	A1, A2, A3,A4,A5,	Not Present
	A3,A4,A3, A6	
	A1, A2,	Not Present
	A5,A6	110111100111
	A3, A4	
channels - PRACH TFCS		Not Dropont
		Not Present
- CHOICE mode - TFC subset		FDD Not Present
- UL DCH TFCS		Not Flesent
- CHOICE TFCI signalling		Normal
- TFCI Field 1 information		INOITHAL
- CHOICE TFCS representation		Complete reconfiguration
- TFCS complete reconfigure information		
- CHOICE CTFC Size		Number of bits used must be enough to cover
3110102 011 0 0120		all combinations of CTFC from TS34.108
		clause 6.10.2.4 Parameter Set.
- CTFC information		This IE is repeated for TFC numbers and
		reference to TS34.108 clause 6.10.2.4
		Parameter Set
- CTFC		Reference to TS34.108 clause 6.10.2.4
		Parameter Set
- Power offset information		
- CHOICE Gain Factors		Computed Gain Factors(The last TFC is set to
		Signalled Gain Factors)
- Gain factor βc		11 (below 64 kbps)
1		
I I		9 (higher than 64 kbps)
		9 (higher than 64 kbps) (Not Present if the CHOICE Gain Factors is set
		(Not Present if the CHOICE Gain Factors is set
- Gain factor βd		
- Gain factor βd		(Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 15
- Gain factor βd		(Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 15 (Not Present if the CHOICE Gain Factors is set
- Gain factor βd - Reference TFC ID		(Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 15

Deleted UL TrCH information A1, A2, A3, A4, A5, A66 Added or Reconfigured UL TrCH information Uplink transport channel type UL Transport channel typ	Information Element	Condition	Value/remark
Added or Reconfigured UL TrCH Information Added or Reconfigured UL TrCH Information - Uplink transport channel type - UL Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - CHOICE Logical Channel list - Semi-static Transport channel type - UL Transport channel type - UL Transport channel type - UL Transport of TBs and TTI List - Transmission time interval - Reference to TS34.108 clause 6.10 Parameter Set - CHOICE Logical Channel list - Semi-static Transport format information - Transmission time interval - Coding Rate - Rate matching attribute - CRC size - Ul Transport channel type - UL Transport channel type - UL Transport format information - Transmission Time Interval - Number of TBs and TTI List - Transmission Time Interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Number of TBs and TTI List - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - CHOICE Logical Channel list - Semi-static Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Reference to TS34.108 clause 6.10 Parameter - Set - CHOICE Logical Channel list - Semi-static Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 P	- Power offset P p-m		Not Present
Added or Reconfigured UL TrCH information Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel type - UL Transport channel type - Unamic Transport tomat information - RLC Size - CHOICE Logical Channel list - Semi-static Transport books - CHOICE Logical Channel list - Semi-static Transport channel type - Unamic Transport channel type - Unamic Transport tomation - Transmission time interval - Unamic Transport tomation - Unamic Transport tomation - Unamic Transport channel type - Unamic Transport tomation - Unamic Transport channel type - Unamic Transport channel type - Unamic Transport tomation - Unamic Transport tomation - Unamic Transport tomation - Unamic Transport channel type - Unamic Transport tomation - Unam	Deleted UL TrCH information		Not Present
Added or Reconfigured UL TriCH information - Uplink transport channel type - UL Transport channel type - UL Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Coding Rate - CRC size - Uplink transport channel type - UL Transport channel type - UL Transport channel type - UL Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Transmission time interval - TSS - CHOICE Transport channel type - UL Transport channel is dentity - TS - CHOICE Logical Channel list - Semi-static Transport format information - RLC Size - Number of TBs and TTI List - Transmission time interval - Type of channel coding - Coding Rate - CHOICE Logical Channel list - Semi-static Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Reference to TS34.108 clause 6.10 Parameter Set - Reference to TS34.108 clause 6.10 Parameter Set - CHOICE Logical Channel list - Semi-static Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Reference to TS34.108 clause 6.10 Parameter Set - Reference to TS34.108 clause 6.10 Par	Added or Reconfigured UL TrCH information	A1, A2,	Not Present
- UL Transport channel identity - TFS - CHOICE Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of TBs and TI List - Transmission time interval - Number of TBs and TI List - Transmission time interval - Type of channel coding - Coding Rate - CRC size - Uplink transport channel type - UL Transport channel type - UL Transport channel type - UL Transmission time interval - Number of TBs and TTI List - Transmission time interval - Number of TBs and TTI List - Transmission time interval - Number of TBs and TTI List - Transmission time interval - CHOICE Logical Channel ist - Semi-static Transport blocks - CHOICE Logical Channel ist - Semi-static Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Number of TBs and TTI List - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Added or Reconfigured UL TrCH information - Uplink transport channel type - UL transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter	Added or Reconfigured UL TrCH information		2 TrCHs(DCH for DCCH and DCH for DTCH)
- TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport format information - RLC Size - Number of TBs and TTI List - Transmission time interval - Number of TBs and TTI List - Transmission time interval - Type of channel coding - Coding Rate - CHOICE Transport format information - RLC Size - Number of TBs and TTI List - Transmission time interval - Type of channel coding - Coding Rate - CHOICE Logical Channel list - Transmission time interval - Type of thannel coding - CHOICE Size - CHOICE Transport format information - Transmission time interval - Type of channel coding - CHOICE Logical Channel list - Semi-static Transport format information - Transmission time interval - Type of channel coding - CHOICE Transport format information - Transmission time interval - Type of channel coding - CHOICE Logical Channel list - Semi-static Transport format information - Transmission time interval - Type of channel coding - CHOICE Transport format information - Transmission time interval - Type of channel coding - CHOICE Transport formation - Transmission time interval - Type of channel coding - CHOICE Logical Channel list - CRC size - CHOICE Transport formation - Uplink transport formatinformation - Uplink transport formatin information - REC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport formatin information - Uplink transport format			DCH
- CHOICE Transport format information - RLC Size - Number of TBs and TTI List - Transmission time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Unlink transport channel type - UL Transmission time interval - Number of Transport blocks - CHOICE Logical Channel list - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel type - UL Transmission time interval - Number of TBs and TTI List - Transmission time interval - Number of Transport format information - Transmission time interval - Number of Transport format information - Transmission time interval - CCC size - Coding Rate - Rate matching attribute - CRC size			5
- Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - C-HOICE Logical Channel list - Semi-static Transport format information - Transmission time interval - Type of channel coding - Coding Rate - CRC size - Uplink transport channel type - UL Transport channel type - Dynamic Transport format information - Transmission Time interval - Number of TBs and TTI List - Transmission time interval - Number of TBs and TTI List - Transmission time interval - CHOICE Logical Channel list - CHOICE Logical Channel list - CHOICE Transport channel list - CHOICE Logical Channel Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.	_		
Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Number of Tansport blocks - CHOICE Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - Uplink transport channel type - Dynamic Transport blocks - CHOICE Transport channel type - Dynamic Transport blocks - CHOICE Logical Channel list - Transmission time interval - Type of channel coding - Coding Rate - Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set Set Reference to TS34.108 clause 6.10 Parameter Set Set Set Reference to TS34.108 clause 6.10 Parameter Set Set Set Set Reference to TS34.108 clause 6.10 Parameter Set Set Set Set Set Reference to TS34.108 clause 6.10 Parameter Set			Dedicated transport channels
Number of TBs and TTL List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel lype - UL Transport channel identity - Transmission Time Interval - Number of TBs and TTL List - Transmission Time Interval - Number of Transport format information - Transmission Time Interval - Number of Tansport format information - Transmission Time Interval - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - Under the transport format information - RLC Size - Number of TBs and TTL List - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size Added or Reconfigured UL TrCH information - Uplink transport channel type - Under transport channel type -			
- Transmission Time Interval - Number of Transport blocks - OHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TTS - CHOICE Logical Channel list - Transmission Time interval - Number of Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - Dynamic Transport format information - RLC Size - Number of Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel type - Dynamic Transport tormat information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport channel type - Dynamic Transport channel type - Dynamic Transport channel type - Dynamic Transport format information - RLC Size - Number of Transport channel type - Dynamic Transport format information - RLC Size - Number of Transport channel type - Dynamic Transport format information - RLC Size - Number of Transport channel type - Dynamic Transport format information - RLC Size - Number of Transport channel type - Dynamic Transport format information - RLC Size - Number of Transport channel type - Dynamic Transport channel type - Dynamic Transport format information - RLC Size - Number of Transport channel type - Dynamic Transport format information - RLC Size - Number	Number of TDs and TTLL ist		
- Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport channel romation - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Logical Channel list - Semi-static Transport channel romation - Transmission time interval - Number of TBs and TTI List - Rate matching attribute - CRC size - Uplink transport channel type - Dynamic Transport blocks - CHOICE Logical Channel list - Semi-static Transport format information - Transmission time interval - Number of Tansport channel semination - Transmission time interval - Number of Transport channel type - Dynamic Transport format information - RLC Size - Added or Reconfigured UL TrCH information - PLC Size - CHOICE Transport channel type - Dynamic Transport channel type - Dynamic Transport format information - RLC Size - Added or Reconfigured UL TrCH information - Uplink transport channel type - Dynamic Transport format information - RLC Size - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - CHOICE Transport format information - RL			Not Present
- CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Ullink transport channel type - UL Transport channel type - Dynamic Transport format information - Transmission Time Interval - Type of channel coding - Coding Rate - CHOICE Logical Channel list - Semi-static Transport channel type - Unink transport channel type - Dynamic Transport blocks - CHOICE Logical Channel list - Semi-static Transport channel type - Dynamic Transport channel type - Dynamic Transport channel type - Dynamic Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size Added or Reconfigured UL TrCH information - Uplink transport channel type - Dynamic Transport format information - Unit Transport channel type - Dynamic Transport format information - LOGICE Transport channel type - Dynamic Transport format information - LOGICE Transport channel type - Dynamic Transport format information - Reference to TS34.108 clause 6.10 Parameter Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Parameter - Set - Reference to TS34.108 clause 6.10 Pa			
- CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TRS - CHOICE Transport channel type - Dynamic Transport blocks - CHOICE Logical Channel list - Semi-static Transport bromat information - Transmission time interval - Rate matching attribute - CRC size Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel coding - COding Rate - Rate matching attribute - CRC size Added or Reconfigured UL TrCH information - Uplink transport channel type - Unusport channel coding - CHOICE Logical Channel list - Rate matching attribute - CRC size Added or Reconfigured UL TrCH information - Uplink transport channel type - Unusport channel type - Dynamic Transport channel type - Unusport channel type - Dynamic Transport channel type	Transport blocks		
Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Logical Channel list - Semi-static Transport channel type - Coding Rate - Coding Rate - CHOICE Logical Channel list - Rate matching attribute - CRC size - Number of TBs and TTI List - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport cha	- CHOICE Logical Channel list		
- Type of channel coding - Coding Rate - Rate matching attribute - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport blocks - CHOICE Logical Channel list - Semi-static Transport channel coding - Cading Rate - Rate matching attribute - CRC size - Number of TBs and TTI List - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Added or Reconfigured UL TrCH information - Uplink transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - CHOICE Transport channel type - Dynamic Trans	- Semi-static Transport Format information		
- Type of channel coding - Coding Rate - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel type - UL Transport format information - RLC Size - Number of Transport blocks - Coding Rate - Coding Rate - CHOICE Logical Channel list - Rate matching attribute - Rate matching attribute - Rate matching attribute - Number of TBs and TTI List - Transmission time interval - Number of Transport format information - Transmission time interval - Rate matching attribute - CRC size Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - UL Tr	- Transmission time interval		
- Coding Rate - Rate matching attribute - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel type - UL Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Type of channel coding - Coding Rate - CRC size - Reference to TS34.108 clause 6.10 Parameter Set - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Rate matching attribute - CRC size - CRC size - Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Reference to TS34.108 clause 6.10 Parameter Set - R	- Type of channel coding		
- Rate matching attribute - Rate matching attribute - CRC size - Uplink transport channel type - UL Transport channel type - UL Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Rate matching attribute - CRC size Added or Reconfigured UL TrCH information - Uplink transport channel type - Dynamic Transport format information - RLC Size Added or Reconfigured UL TrCH information - Uplink transport channel dentity - TFS - OHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Tansport format information - RLC Size - Number of Tansport format information - RLC Size - Number of Transport format information - RLC Size - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - RLC Size - Number of Transport format information - RLC Size - Number of Transport format information - RLC Size - CHOICE Logical Channel list - Semi-static Transport Format information - RLC Size - CHOICE Logical Channel list - Semi-static Transport Format information			Set
- CRC size - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel type - UL Transport channel type - UL Transport channel odentity - TFS - CHOICE Transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Uplink transport channel type - Dynamic Transport channel type - Dynamic Transport format information - RLC Size - CHOICE Logical Channel list - Semi-static Transport Format information	- Coding Kate		
- CRC size - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size Added or Reconfigured UL TrCH information - Uplink transport channel type - Dynamic Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - CHOICE Transport format information - Rate matching attribute - CRC size Added or Reconfigured UL TrCH information - Uplink transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport format information - RLC Size - CHOICE Logical Channel list - Semi-static Transport Format information - CHOICE Logical Channel list - Semi-static Transport Format information	- Rate matching attribute		
- Uplink transport channel type - UL Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel type - Dynamic Transport format information - RLC Size Added or Reconfigured UL TrCH information - RLC Size Added or Reconfigured UL TrCH information - Uplink transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport format information - RLC Size - CHOICE Logical Channel list - CHOICE Logical Channel list - Transmission Time Interval - Number of Transport format information - RLC Size - CHOICE Transport channel list - Semi-static Transport Format information - RLC Size - CHOICE Logical Channel list - Semi-static Transport Format information - CHOICE Logical Channel list - Semi-static Transport Format information	- CRC size		Reference to TS34.108 clause 6.10 Parameter
- UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Coding Rate - Care attematching attribute - CRC size Added or Reconfigured UL TrCH information - UL Transport channel type - UL Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval Added the sequence of TS34.108 clause 6.10 Parameter Set - Reference to TS34.108 clause 6.10 Parameter Set - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	Linlink transport channel type		
- TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size Added or Reconfigured UL TrCH information - Uplink transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval A3 (DCH for DTCH) DCH - UL Transport channel type - Dynamic Transport blocks - CHOICE Logical Channel list - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information			
- CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel type - UL Transport channel identity - TFS - CHOICE Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - CHOICE Logical Channel list - Semi-static Transport Format information			
- Dynamic Transport format information - RLC Size Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - CHOICE Logical Channel list - Semi-static Transport Format information - CHOICE Logical Channel list - Semi-static Transport Format information			Dedicated transport channels
- Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel type - UL Transport channel type - Dynamic Transport format information - RLC Size Added transport of TBs and TTI List - Transmission Time Interval - Number of TBs and TTI List - CHOICE Logical Channel list - Semi-static Transport Format information - CHOICE Logical Channel list - Semi-static Transport Format information			'
- Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size Added to TBs and TTI List - Transmission Time Interval - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	- RLC Size		
- Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel type - UL Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - CHOICE Logical Channel list - Semi-static Transport Format information	- Number of TBs and TTI List		
- CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport format information - RLC Size Added transport of TBs and TTI List - Transmission Time Interval - Number of TBs and TTI List - Transport slocks - CHOICE Logical Channel list - Semi-static Transport Format information - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission Time Interval - Semi-static Transport Format information - Transmission Time Interval - Semi-static Transport Format information	- Transmission Time Interval		
- CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission Time Interval - Semi-static Transport Format information - Transmission Time Interval - Semi-static Transport Format information	- Number of Transport blocks		
- Semi-static Transport Format information - Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - CRC size Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Type of channel coding - Reference to TS34.108 clause 6.10 Parameter Set - Reference to TS34.108 clause 6.10 Parameter Set - Reference to TS34.108 clause 6.10 Parameter - Set - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	- CHOICE Logical Channel list		
- Transmission time interval - Type of channel coding - Coding Rate - Rate matching attribute - Rate matching attribute - CRC size Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - CHOICE Logical Channel list - Semi-static Transport Format information - Type of channel coding Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set (DCH for DTCH) DCH 1 1 1 Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.)			
- Type of channel coding - Coding Rate - Coding Rate - Rate matching attribute - CRC size Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - CHOICE Logical Channel list - Semi-static Transport Format information - Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set (DCH for DTCH) DCH 1 1 CDCH 1 Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All			Reference to TS34.108 clause 6.10 Parameter
- Coding Rate - Rate matching attribute - CRC size Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information			
- Coding Rate - Rate matching attribute - Rate matching attribute - CRC size Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	- Type of channel coding		
- Rate matching attribute - CRC size Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Rate matching attribute Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All	- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	- Rate matching attribute		
Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information Set A3 (DCH for DTCH) DCH 1 Dedicated transport channels Pedicated transport channels Tensport channels Dedicated transport channels (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All	_		
Added or Reconfigured UL TrCH information - Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information A3 (DCH for DTCH) DCH 1 Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All	0110 0120		
- Uplink transport channel type - UL Transport channel identity - TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information	Added or Reconfigured UL TrCH information	A3	
- TFS - CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information Dedicated transport channels Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All	- Uplink transport channel type		
- CHOICE Transport channel type - Dynamic Transport format information - RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information - Dedicated transport channels Reference to TS34.108 clause 6.10 Parameter Set (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All	 UL Transport channel identity 		1
- Dynamic Transport format information - RLC Size Reference to TS34.108 clause 6.10 Parameter Set - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set All	-		Dedicated transport channels
- RLC Size - Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information Reference to TS34.108 clause 6.10 Parameter (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All	 Dynamic Transport format information 		·
- Number of TBs and TTI List - Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information (This IE is repeated for TFI number.) Not Present Reference to TS34.108 clause 6.10 Parameter Set All			
- Transmission Time Interval - Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information Not Present Reference to TS34.108 clause 6.10 Parameter Set All	- Number of TRs and TTI List		
- Number of Transport blocks - CHOICE Logical Channel list - Semi-static Transport Format information Reference to TS34.108 clause 6.10 Parameter Set All			
- CHOICE Logical Channel list - Semi-static Transport Format information			
- Semi-static Transport Format information			
- Semi-static Transport Format information			
	- Semi-static Transport Format information		
- Transmission time interval Reference to TS34.108 clause 6.10 Parameter	- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter

Information Element	Condition	Value/remark
- Type of channel coding		Set Reference to TS34.108 clause 6.10 Parameter
- Coding Rate		Set Reference to TS34.108 clause 6.10 Parameter
- Rate matching attribute		Set Reference to TS34.108 clause 6.10 Parameter
- CRC size		Set Reference to TS34.108 clause 6.10 Parameter
CHOICE mode	A1,A2,A3,	Set FDD
- CPCH set ID	A4,A5,A6	Not Present
- Added or Reconfigured TrCH information for		Not Present
DRAC list DL Transport channel information common for all	A1, A2, A5,	Not Present
transport channel	A6	Not Fresent
DL Transport channel information common for all transport channel	A3,A4	
- SCCPCH TFCS		Not Present
- CHOICE mode		FDD
- CHOICE DL parameters		Explicit
- DL DCH TFCS - CHOICE TFCI Signalling - TFCI Field 1 Information		Normal
- CHOICE TFCS representation - TFCS complete reconfigure		Complete reconfiguration
- CHOICE CTFC Size		Number of bits used must be enough to cover all combinations of CTFC from clause
- CTFC information		TS34.108 clause 6.10.2.4 Parameter Set. This IE is repeated for TFC numbers and
- CTFC		reference to TS34.108 clause 6.10.2.4 Reference to TS34.108 clause 6.10.2.4
- Power offset information		Parameter Set Not Present
Deleted DL TrCH information	A1, A2, A3, A4, A5,A6	Not Present
Added or Reconfigured DL TrCH information	A1, A2, A5, A6	Not Present
Added or Reconfigured DL TrCH information	A4	2 TrCHs(DCH for DCCH and DCH for DTCH)
- Downlink transport channel type		DCH
DL Transport channel identity CHOICE DL parameters		10 Same as UL
- Uplink transport channel type		DCH
- UL TrCH identity		5
- DCH quality target		Not Present
BLER Quality value Transparent mode signalling info		Not Present
- Downlink transport channel type		DCH
- DL Transport channel identity		6
- CHOICE DL parameters		Explicit
- TFS - CHOICE Transport channel type - Dynamic transport format information		Dedicated transport channel
- RLC Size		Reference to TS34.108 clause 6.10 Parameter Set
Number of TBs and TTI List Dynamic transport format information		(This IE is repeated for TFI number.)
- Dynamic transport format information - Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter Set
- Semi-static Transport Format information		B (
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter Set

Information Element	Condition	Value/remark
- Rate matching attribute	Condition	Reference to TS34.108 clause 6.10 Parameter
- Nate matering attribute		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
		Set
- DCH quality target		
- BLER Quality value		-2.0
- Transparent mode signalling info		Not Present
Added or Reconfigured DL TrCH information	A3	
- Downlink transport channel type		DCH
- DL Transport channel identity		6
- CHOICE DL parameters		Explicit
- TFS		·
- CHOICE Transport channel type		Dedicated transport channel
 Dynamic transport format information 		
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
		Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Dynamic transport format information		
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter
·		Set
- Semi-static Transport Format information		
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
		Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
		Set
- DCH quality target		
- BLER Quality value		-2.0
- Transparent mode signalling info		Not Present
Frequency info	A1,A2,A3,	
	A4,A5,A6	
- UARFCN uplink (Nu)		Reference to clause 5.1 Test frequencies
- UARFCN downlink (Nd)		Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power	A1,A2,A3,	33dBm
	A4,A5,A6	
CHOICE channel requirement	A1, A2, A3,	Uplink DPCH info
	A4	
-Uplink DPCH power control info		
- DPCCH power offset		-6dB
- PC Preamble		1 frame
- SRB delay		7 frames
- Power Control Algorithm		Algorithm1
- TPC step size		1dB
- Scrambling code type		Long
- Scrambling code number		0 (0 to 16777215)
- Number of DPDCH		Not Present(1)
- spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
		Set
- Number of FBI bit		Reference to TS34.108 clause 6.10 Parameter
		Set
- Puncturing Limit		Reference to TS34.108 clause 6.10 Parameter
		Set
CHOICE channel requirement	A5, A6	Not Present
CHOICE Mode	A1,A2,A3,	FDD
	A4,A5,A6	
- Downlink PDSCH information		Not Present
Downlink information common for all radio links	A5, A6	Not Present
Downlink information common for all radio links	A1, A2, A3	
an idado in ito	, , , , , ,	1

Information Element	Condition	Value/remark
- Downlink DPCH info common for all RL		
- Timing indicator		Maintain
- CFN-targetSFN frame offset		Not Present
		Not Flesent
- Downlink DPCH power control information		0 (-in al-)
- DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
 DL rate matching restriction information 		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
, ,		Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter
Thou of French Foldon		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
- TFOI existence		
0110105.05		Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter
		Set
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value		Not Present
Downlink information common for all radio links	A4	
- Downlink DPCH info common for all RL	'`'	
		Initialise
- Timing indicator		Initialise Not Present
- CFN-targetSFN frame offset		Not Present
- Downlink DPCH power control information		
- DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
- DL rate matching restriction information		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
Oproduing ractor		Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter
- Fixed of Flexible Position		
TEOL : 4		Set Division of the British Control of the Br
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
		Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter
		Set
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value		Present Arbitrary set to value 0306688 by
- Delault DI OTT Offset Value		
Describes information non varieties link link	A4 A2 A2	step of 512
Downlink information per radio link list	A1, A2, A3	
-Downlink information for each radio link		500
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		
- Primary CPICH usage for channel estimation		Primary CPICH may be used
- DPCH frame offset		
		0 chips Not Present
- Secondary CPICH info		INOL PIESEIIL
- Secondary scrambling code		
- channelisation code		
- DL channelisation code		
- Secondary scrambling code		2
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
		-
- SSDT Cell Identity		Not Present
 Closed loop timing adjustment mode 	i	Not Present
		LN (D)
- SCCPCH information for FACH Downlink information per radio link list	A4	Not Present

Information Element	Condition	Value/remark
-Downlink information for each radio link		
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		
- Primary CPICH usage for channel estimation		Primary CPICH may be used
- DPCH frame offset		Set to value : Default DPCH Offset Value mod
		38400
- Secondary CPICH info		Not Present
- Secondary scrambling code		
- channelisation code		
- DL channelisation code		
- Secondary scrambling code		2
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity		Not Present
- Closed loop timing adjustment mode		Not Present
- SCCPCH information for FACH		Not Present
- Downlink information for each radio link	A5	
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		Not present
- SCCPCH Information for FACH		Not Present
- Downlink information for each radio link	A6	
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Different from the Default setting in TS34.108
		clause 6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		Not Present
- Secondary CCPCH info		Not Present

Condition	Explanation
A1	This IE need for "Non speech in CS"
A2	This IE need for "Speech in CS"
A3	This IE need for "Packet to CELL_DCH from CELL_DCH in PS"
A4	This IE need for "Packet to CELL_DCH from CELL_FACH in PS"
A5	This IE need for "Packet to CELL_FACH from CELL_DCH in PS"
A6	This IE need for "Packet to CELL_FACH from CELL_FACH in PS"

Contents of RADIO BEARER RECONFIGURATION FAILURE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identitifer	Checked to see if it is set to identical value of the same IE in the downlink RADIO BEARER RECONFIGURATION message.
Integrity check info	The presence if this IE is dependent on IXIT statements in TS 34.123-2. if integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Failure cause	Checked to see if it meets test requirement
Radio bearers for which reconfiguration would have succeeded List	Not checked

Contents of RADIO BEARER RECONFIGURATION COMPLETE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Checked to see if the value is identical to the same IE in the downlink RADIO BEARER RECONFIGURATION COMPLETE message
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Uplink integrity protection activation info CHOICE mode	Not checked FDD
COUNT-C activation time	The presence of this IE depends on the following 2 factors: (a) There exists RB(s) mapped to RLC-TM and (b) UE is transiting to CELL_DCH state after the reconfiguration procedure. Else, this IE is absent.
Radio bearer uplink ciphering activation time info Uplink counter synchronisation info	Not checked Not checked

Contents of RADIO BEARER RELEASE message: AM or UM

Information Element		Value/remark
Message Type	A1, A2, A3, A4, A5, A6, A7, A8	
RRC transaction identifier Integrity check info	A7, A8	Arbitrarily selects an integer between 0 and 3 The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are
- message authentication code		omitted. SS calculates the value of MAC-I for this message and writes to this IE.
- RRC message sequence number		SS provides the value of this IE, from its internal counter.
Integrity protection mode info		Not Present
Ciphering mode info		Not Present
Activation time	A1, A2, A3, A4, A7, A8	(256+CFN-(CFN MOD 8 + 8))MOD 256
Activation time New U-RNTI	A5, A6	Not Present Not Present
New C-RNTI	A1,A2,A3,	Not Present
New C-RNTI	A4 A5, A6, A7,	'1010 1010 1010 1010'
N. BOOM BAIT	A8	N. P.
New DSCH-RNTI	A1, A2, A3, A4, A5, A6, A7, A8	Not Present
RRC State indicator	A1,A2, A3, A4	CELL_DCH
RRC State indicator	A5, A6, A7, A8	CELL_FACH
UTRAN DRX cycle length coefficient	A1,A2,A3, A4,A5,A6, A7, A8	Not Present
CN information info	7,7.0	Not Present
Signalling Connection release indication		Not Present
URA identity RAB information to reconfigure list		Not Present Not Present
RB information to release	A1,A2, A7,	Not resem
- RB identity	A8	10
RB information to release - RB identity	A2, A8	11
RB information to release	A2, A8	
- RB identity	·	12
RB information to release	A3, A4, A5, A6	
- RB identity RB information to be affected	A1,A2,	20 Not Present
No information to be affected	A1,A2, A3,A4,A5, A6, A7, A8	INOLFIESEIL
Downlink counter synchronisation info	A1,A2,A3, A4,A5,A6, A7, A8	Not Present
UL Transport channel information for all transport channels	A1, A2, A3, A4, A5, A6	TFCS reconfigured to fit the new transport channel configuration.
UL Transport channel information for all transport channels	A5, A6	Not Present
Deleted UL TrCH Information	A1,A2, A3, A7, A8, A4	
- Uplink transport channel type - Transport channel identity	π, πο, πτ	DCH 1
Deleted UL TrCH Information	A2, A8	
- Uplink transport channel type	·	DCH
- Transport channel identity		2

Information Element		Value/remark
Deleted UL TrCH Information	A2, A8	Valuoriemaik
- Uplink transport channel type	712,710	DCH
- Transport channel identity		3
Deleted UL TrCH Information	A4, A5,A6	Not Present
Added or Reconfigured UL TrCH information	A4, A6, A7, A8	Not Present
Added or Reconfigured UL TrCH information	A1, A2, A3, A5	TrCHs(DCH for DCCH)
- Uplink transport channel type		DCH
- UL Transport channel identity		5
- TFS		
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		
- RLC Size		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Transmission Time Interval		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- Number of Transport blocks		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		
- Transmission time interval		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- Type of channel coding		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- Coding Rate		According to TS34.108 clause 6.10.2.4.1.3
Data matakia mataikuta		(standalone 13.6 kbps signalling radio bearer)
- Rate matching attribute		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- CRC size		According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
DL Transport channel information for all transport channels	A1, A2, A3, A4, A5, A6, A7, A8	TFCS reconfigured to fit the new transport channel configuration.
DL Transport channel information for all transport channels	A5, A6	Not Present
Deleted DL TrCH Information	A1, A2, A3, A7, A8,A4	
Downlink transport channel type Transport channel identity	,, ,, ,	DCH 6
Deleted DL TrCH Information	A2, A8	
- Downlink transport channel type	, , , , ,	DCH
- Transport channel identity		7
Deleted DL TrCH Information	A2, A8	
- Downlink transport channel type		DCH
- Transport channel identity	A 4 A 5 A 6	8
Deleted DL TrCH Information Added or Reconfigured DL TrCH information	A4, A5,A6 A4, A6, A7,	Not Present Not Present
C C	A8	
Added or Reconfigured DL TrCH information	A1, A2, A3, A5	1 TrCHs(DCH for DCCH)
- Downlink transport channel type		DCH
- DL Transport channel identity		10
- CHOICE DL parameters		Same as UL
- Uplink transport channel type		DCH
- UL TrCH identity		5
- DCH quality target - BLER Quality value		Not Present
- Transparent mode signalling info		Not Present
Frequency info	A1,A2,A3, A4,A5,A6,	Not resent
- UARFCN uplink (Nu)	A7, A8	Reference to clause 5.1 Test frequencies
- UARFON dpilifik (Nd) - UARFON downlink (Nd)		Reference to clause 5.1 Test frequencies Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power		33dBm
Maximum anowed OL TA POWE		OOGDIII

Information Element		Value/remark
CHOICE channel requirement	A5, A6, A7,	Not Present
	A8	
CHOICE channel requirement	A1,A2,A3,	Uplink DPCH info
- Uplink DPCH power control info	A4	
- DPCCH power offset		-6dB
- PC Preamble		1 frame
- SRB delay		7 frames
- Power Control Algorithm		Algorithm1
- TPC step size		1dB
- Scrambling code type		Long
- Scrambling code number		0 (0 to 16777215)
- Number of DPDCH		Not Present(1)
- spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
Alcordon of EDI let		Set
- Number of FBI bit		Reference to TS34.108 clause 6.10 Parameter Set
Duncturing Limit		Reference to TS34.108 clause 6.10 Parameter
- Puncturing Limit		Set
CHOICE Mode	A1,A2,A3,	FDD
OTIGICE Wiede	A4,A5,A6,	
	A7, A8	
- Downlink PDSCH information	717,710	Not Present
Downlink information common for all radio links	A5, A6,	Not Present
	A7, A8	
Downlink information common for all radio links	A1,A2, A3	
- Downlink DPCH info common for all RL		
- Timing indicator		Maintain
- CFN-targetSFN frame offset		Not Present
- Downlink DPCH power control information		
- DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
- DL rate matching restriction information		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter
TIACO OF FICAIDIC F OSITION		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
		Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter
		Set
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value		Not Present
Downlink information common for all radio links	A4	
- Downlink DPCH info common for all RL		Maintain
- Timing indicator		Maintain
- CFN-targetSFN frame offset		Not Present
Downlink DPCH power control information DPC mode		O (cinglo)
- CHOICE mode		0 (single) FDD
- Power offset P _{Pilot-DPDCH}		0
- DL rate matching restriction information		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter
		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
		Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter
		Set _
- DPCH compressed mode info		Not Present
- TX Diversity mode		None

Information Element		Value/remark
- SSDT information		Not Present
- Default DPCH Offset Value		Arbitrary set to value 0306688 by step of 512
Downlink information for each radio link list	A1,A2,A3	
-Downlink information for each radio link		
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
BBOOK WE ONE BOILS		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping - Downlink DPCH info for each RL		Not Present
		Drimary CDICH may be used
Primary CPICH usage for channel estimation DPCH frame offset		Primary CPICH may be used 0 chips
- Secondary CPICH info		Not Present
- Secondary scrambling code		Not i resent
- channelisation code		
- DL channelisation code		
- Secondary scrambling code		3
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
Spreaming rates		Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity		Not Present
 Closed loop timing adjustment mode 		Not Present
- SCCPCH information for FACH		Not Present
Downlink information for each radio link list	A4	
-Downlink information for each radio link		
- Choice mode		FDD
- Primary CPICH info		Def to the Defect cettion in TOO 4400 classes
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
- PDSCH with SHO DCH info		6.1 (FDD) Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		Not i resent
- Primary CPICH usage for channel estimation		Primary CPICH may be used
- DPCH frame offset		Set to value : Default DPCH Offset Value mod
		38400
- Secondary CPICH info		Not Present
- Secondary scrambling code		
- channelisation code		
- DL channelisation code		
- Secondary scrambling code		3
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Code number		O No observe
- Scrambling code change		No change
- TPC combination index		0 Not Brogent
- SSDT Cell Identity - Closed loop timing adjustment mode		Not Present Not Present
- Closed loop timing adjustment mode - SCCPCH information for FACH		Not Present Not Present
- Downlink information for each radio link	A5, A7, A8	HOLLI 1636IIL
- Choice mode	710, 717, 710	FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
, ,		6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		Not present
- SCCPCH information for FACH		Not Present
- Downlink information for each radio link	A6	Not Present

Condition	Explanation
A1	This IE need for "Non speech in CS"
A2	This IE need for "Speech in CS"
A3	This IE need for "Packet to CELL_DCH from CELL_DCH in PS"
A4	This IE need for "Packet to CELL_DCH from CELL_FACH in PS"
A5	This IE need for "Packet to CELL_FACH from CELL_DCH in PS"
A6	This IE need for "Packet to CELL_FACH from CELL_FACH in PS"
A7	This IE need for "Non speech to CELL_FACH from CELL_DCH in CS"
A8	This IE need for "Speech to CELL_FACH from CELL_DCH in CS"

Contents of RADIO BEARER RELEASE COMPLETE message: AM

Message Type	
RRC transaction identifier	Checked to see the value is identical to the same IE in the downlink RADIO BEARER RELEASE message.
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Uplink integrity protection activation info	Not checked.
CHOICE mode	FDD
COUNT-C activation time	The UE shall include this IE if the following two conditions are fulfilled: (a) The RADIO BEARER RELEASE message did not contain the IE "Ciphering activation time for DPCH" and (b) The RADIO BEARER RELEASE message established the first RB(s) mapped to RLC-TM for a CN domain or released the last RB(s) mapped to RLC-TM for a CN domain. Else, this IE is absent.
Radio bearer uplink ciphering activation time info	If ciphering is not activated in RADIO BEARER RELEASE message, this IE must be absent. Else, SS checks this IE for the presence of activation times of all ciphered uplink RLC-UM and RLC-AM RBs.
Uplink counter synchronisation info	Not checked

Contents of RADIO BEARER RELEASE FAILURE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identitifer	Checked to see if it is set to identical value of the same IE in the downlink RADIO BEARER RELEASE message.
Integrity check info	The presence if this IE is dependent on IXIT statements in TS 34.123-2. if integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Failure cause	Checked to see if it meets test requirement
Radio bearers for which reconfiguration would have succeeded	Not checked

Contents of RRC CONNECTION REQUEST message: TM

Information Element	Value/remark
Message Type	
Initial UE identity	
- CHOICE UE id type	
- TMSI and LAI (GSM-MAP)	Set to the UE's TMSI and LAI.
Establishment cause	To be checked against requirement if specified
Protocol error indicator	FALSE
Measured results on RACH	To be checked against requirement if specified

Contents of RRC CONNECTION REJECT message: UM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Initial UE identity	Select the same type as in the IE "Initial UE Identity" in
-	RRC CONNECTION REQUEST" message.
Rejection cause	Unspecified
Wait Time	0
Redirection info	Not Present

Contents of RRC CONNECTION RELEASE message: UM

Information Element	Value/remark
Message Type	
U-RNTĪ	This IE is set to the following value when the message is transmitted on the CCCH. When transmitted on DCCH, this is absent.
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	The presence of this IE depends on 2 factors:
	(a) IXIT statements in TS 34.123-2: If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.(b) This IE is present when this message is transmitted on
	downlink DCCH. Else, this IE and the sub-IEs are omitted.
- Message authentication code	SS calculates the value of MAC-I for this message and writes to this IE.
- RRC Message sequence number	SS provides the value of this IE, from its internal counter.
N308	2 (for CELL_DCH state). Not Present (for UE in other
	connected mode states).
Release cause	Normal event
Rplmn information	Not Present

Contents of RRC CONNECTION RELEASE COMPLETE message: AM or UM

Information Element	Semantics description
Message Type	
RRC transaction identifier	The value of this IE is checked to see that it matches the value of the same IE transmitted in the downlink RRC CONNECTION RELEASE message.
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	Checked to see if it's identical to the value of XMAC-I calculated by the SS
- RRC Message sequence number	Checked to see if it is present. This number is used by the SS to compute the XMAC-I
Error indication	Not checked

Contents of RRC CONNECTION SETUP message: UM (Transition to CELL_DCH)

Information Element	Value/remark
Message Type Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in
,	received RRC CONNECTION REQUEST" message
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Activation time	Not Present(Now)
New U-RNTI	
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	Not present
RRC State Indicator	CELL_DCH
UTRAN DRX cycle length coefficient	9
Capability update requirement	TDUE
- UE radio access FDD capability update	TRUE
requirement - UE radio access TDD capability update	FALSE
requirement	FALSE
- System specific capability update requirement list	Gsm
Signalling RB information to setup	(UM DCCH for RRC)
- RB identity	Not present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	UM RLC
- Transmission RLC discard	Not present
- CHOICE Downlink RLC mode	UM RLC
- RB mapping info	
 Information for each multiplexing option 	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
Logical channel identity CHOICE RLC size list	Configured
- MAC logical channel priority	1
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
 RLC logical channel mapping indicator 	Not Present
 Number of RLC logical channels 	1
 Uplink transport channel type 	RACH
 UL Transport channel identity 	Not Present
- Logical channel identity	1
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- MAC logical channel priority	2
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
 DL DSCH Transport channel identity Logical channel identity 	Not Present
- Logical channel identity Signalling RB information to setup	(AM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	140011
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	4

Information Element	Value/remark
- Polling info	Value/Terrial K
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Window	99
- Timer_poll_periodic - CHOICE Downlink RLC mode	Not Present AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	O DDMO. Gara
- Information for each multiplexing option	2 RBMuxOptions
RLC logical channel mapping indicator Number of RLC logical channels	Not Present
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	2
- CHOICE RLC size list	Configured
- MAC logical channel priority	2
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10 Not Present
- DL DSCH Transport channel identity - Logical channel identity	2
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	2
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone
MAC la sign laborate la minuita.	13.6 kbps signalling radio bearer)
- MAC logical channel priority - Downlink RLC logical channel info	3
- Number of RLC logical channels	
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	Not Present
- CHOICE RLC info type - RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	AWINEO
- SDU discard mode	No discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	200
- Timer_poll_prohibit	200
- Timer_poll - Poll_PDU	200 Not present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Window	99
- Timer_poll_periodic	Not Present

Information Element	Value/remark
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
RB mapping info Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	3
- CHOICE RLC size list	Configured
 MAC logical channel priority 	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
RLC logical channel mapping indicator Number of RLC logical channels	Not Present
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	3
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone
	13.6 kbps signalling radio bearer)
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
DL DSCH Transport channel identity Logical channel identity	Not Present 3
Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	Not present
- CHOICE RLC info type	not procent
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info - Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Window	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
Receiving window size Downlink RLC status info	128
- Timer_status_prohibit	200
- Timer_Status_profilibit	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	

Information Element	Value/remark
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	4
- CHOICE RLC size list	Configured
- MAC logical channel priority	4
- Downlink RLC logical channel info	
 Number of RLC logical channels 	1
 Downlink transport channel type 	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	T PACIL
- Uplink transport channel type	RACH Not Propert
UL Transport channel identity Logical channel identity	Not Present 4
- CHOICE RLC size list	· ·
- RLC size index	Explicit List According to TS34.108 clause 6.10.2.4.1.3 (standalone
- INEO SIZE IIIUGA	13.6 kbps signalling radio bearer)
- MAC logical channel priority	5
- Downlink RLC logical channel info	Ĭ
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
UL Transport channel information for all transport	
channels	
- PRACH TFCS	Not Present
- CHOICE Mode	FDD
- TFC subset	Not Present
- UL DCH TFCS	
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	A statistic in
- CHOICE TFCS representation	Addition
- TFCS complete reconfigure - CHOICE CTFC Size	2hit CTEC
- CTFC information	2bit CTFC This IE is repeated for TFC numbers according to TS34.108
- CTI C IIIIOTTIALIOTI	clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio
	bearer)
- CTFC	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6
	kbps signalling radio bearer)
- Power offset information	
- CHOICE Gain Factors	Computed Gain Factors (The last TFC is set to Signalled
	Gain Factors)
- Gain factor ßc	11 (below 64 kbps)
	9 (higher than 64 kbps)
	(Not Present if the above is set to Computed Gain Factors)
- Gain factor ßd	15
	(Not Present if the above is set to Computed Gain Factors)
- Reference TFC ID	0
- CHOICE mode	FDD Not Brown
- Power offset Pp-m	Not Present
Added or Reconfigured UL TrCH information	DCH
Uplink transport channel type UL Transport channel identity	DCH
- OL Transport channel identity - TFS	
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	Dodioated transport originies
- RLC size	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6
	kbps signalling radio bearer)
- Number of TBs and TTI lists	(This IE is repeated for TFI number)
- Transmission Time Interval	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6
	kbps signalling radio bearer)
	· · · · · · · · · · · · · · · · · · ·

- TX Diversity mode

- SSDT information

Information Element Value/remark - Number of Transport blocks According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) - CHOICE Logical channel list - Semi-static Transport Format information - Transmission time interval According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6) kbps signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - Type of channel coding kbps signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - Coding Rate kbps signalling radio bearer) - Rate matching attribute According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - CRC size kbps signalling radio bearer) DL Transport channel information common for all transport channel - SCCPCH TFCS Not Present - CHOICE mode FDD - CHOICE DL parameters Same as UL Added or Reconfigured DL TrCH information - Downlink transport channel type DCH - DL Transport channel identity 10 - CHOICE DL parameters Same as UL - Uplink transport channel type DCH - UL TrCH Identity - DCH quality target - BLER Quality value -2.0 Frequency info Not Present Maximum allowed UL TX power Not Present Uplink DPCH info - Uplink DPCH power control info - DPCCH power offset -6dB - PC Preamble 1 frame - SRB delay 7 frames - Power Control Algorithm Algorithm1 - TPC step size 1dB - Scrambling code type Long - Scrambling code number 0 (0 to 16777215) - Number of DPDCH Not Present(1) - Spreading factor According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - TFCI existence kbps signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - Number of FBI bit kbps signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6) - Puncturing Limit kbps signalling radio bearer) Downlink information common for all radio links - Downlink DPCH info common for all RL - Timing Indication Initialise - CFN-targetSFN frame offset Not Present - CHOICE mode FDD - Downlink DPCH power control information - DPC mode 0 (single) - Power offset P Pilot-DPDCH - DL rate matching restriction information Not Present According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - Spreading factor kbps signalling radio bearer) - Fixed or Flexible Position According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6) kbps signalling radio bearer) According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 - TFCI existence kbps signalling radio bearer) - CHOICE SF According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6) kbps signalling radio bearer) - DPCH compressed mode info Not Present

None

Not Present

Information Element	Value/remark
- Default DPCH Offset Value	Arbitrary set to value 0306688 by step of 512
Downlink information for each radio links list	
- Downlink information for each radio links	
- CHOICE mode	FDD
- Primary CPICH info	
 Primary scrambling code 	Reference to clause 6.1 "Default settings (FDD)"
- PDSCH with SHO DCH info	Not Present
- PDSCH code mapping	Not Present
 Downlink DPCH info for each RL 	
 Primary CPICH usage for channel estimation 	Primary CPICH may be used
- DPCH frame offset	Set to value: Default DPCH Offset Value mod 38400
- Secondary CPICH info	Not Present
 DL channelisation code 	
 Secondary scrambling code 	1
- Spreading factor	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6
	kbps signalling radio bearer)
- Code number	0
 Scrambling code change 	Not Present
- TPC combination index	0
- SSDT Cell Identity	Not Present
 Closed loop timing adjustment mode 	Not Present
- SCCPCH information for FACH	Not Present

Contents of RRC CONNECTION SETUP message: UM (Transition to CELL_FACH)

Information Element	Value/remark
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in
	received RRC CONNECTION REQUEST" message
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Activation time	Not Present (Now)
New U-RNTI	, ,
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	0000 0000 0000 0001B
RRC state indicator	CELL_FACH
UTRAN DRX cycle length coefficient	9
Capability update requirement	Not Present
Signalling RB information to setup	(UM DCCH for RRC)
- RB identity	Not present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	UM RLC
- Transmission RLC discard	Not present
- SDU discard mode	Not present
- CHOICE Downlink RLC mode	UM RLC
- RB mapping info	
 Information for each multiplexing option 	2 RBMuxOptions
 RLC logical channel mapping indicator 	Not Present
 Number of uplink RLC logical channels 	1
 Uplink transport channel type 	DCH
 UL Transport channel identity 	5
- Logical channel identity	1
- CHOICE RLC size list	Configured
- MAC logical channel priority	1
- Downlink RLC logical channel info	
 Number of downlink RLC logical channels 	1
 Downlink transport channel type 	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present

Information Element	Value/remark
- Logical channel identity	1
- CHOICE RLC size list	Explicit list
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone
	13.6 kbps signalling radio bearer)
- MAC logical channel priority	2
- Downlink RLC logical channel info	4
 Number of downlink RLC logical channels Downlink transport channel type 	1 FACH
- DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
Signalling RB information to setup	(AM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode - Transmission RLC discard	AM RLC
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	000
- Timer_poll_prohibit	200 200
- Timer_poll - Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery - Receiving window size	TRUE 128
- Downlink RLC status info	120
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	2 DDM:wOntions
 Information for each multiplexing option RLC logical channel mapping indicator 	2 RBMuxOptions Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	2
- CHOICE RLC size list	Configured
MAC logical channel priority Downlink RLC logical channel info	2
Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
 DL DSCH Transport channel identity 	Not Present
- Logical channel identity	2
- RLC logical channel mapping indicator	Not Present
 Number of uplink RLC logical channels Uplink transport channel type 	1 RACH
- UL Transport channel identity	Not Present
- Logical channel identity	2
- CHOICE RLC size list	Explicit list
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone 13.6 kbps signalling radio bearer)
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	FACH
 DL DCH Transport channel identity DL DSCH Transport channel identity 	Not Present Not Present
- DE DOOT Hansport charmer identity	NOT I LESCH

I - Logical channel identity Signaling RB information to setup CHOICE Uplink RLC mode CHOICE Uplink RLC mode SDU discard mode SDU discard mode SDU discard mode MAX_DAT Transmission window size Timer, RST Max. RST Polling pill prohibit Timer, poll Poll_PDU Poll_SDU Last transmission PDU poll Poll_PDU Poll_SDU Last transmission PDU poll CHOICE Downlink RLC mode In-sequence delivery Receiving window size Downlink RLC status info Timer_EFC Missing TO Juliok RLC mode In-sequence delivery Receiving window size Downlink RLC status info Timer_EFC Missing TO Juliok RLC mode In-sequence delivery Receiving window size Downlink RLC status info Timer_EFC Missing TO Juliok RLC mode In-sequence delivery Receiving window size Downlink RLC status info Timer_EFC Missing TO Juliok RLC mode Logical channel memping indicator Number of uplink RLC logical channels Uplink transport channel wipe UL Transport channel identity Logical channel indentity Logical channel indentity Logical channel identity Logic	Information Element	Value/remark
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- CHOICE Uplink RLC mode - Transmission RLC discard - SDU discard mode - MAX_DAT - Transmission window size AM RLC No Discard 15 128		RLC info
- Transmission RLC discard - SDU discard mode - MAX_DAT - Transmission window size 15 128		AM RLC
- SDU discard mode - MAX_DAT - Transmission window size No Discard 15 128		
- MAX_DAT 15 - Transmission window size 128		No Discard
- Transmission window size 128	- MAX_DAT	15
		128
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- Timer_RST	500

Information Element	Value/remark
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
 Last transmission PDU poll 	TRUE
 Last retransmission PDU poll 	TRUE
- Poll_Windows	99
 Timer_poll_periodic 	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
Timer_status_prohibit	200
- Timer_EPC	Not Present
 Missing PDU indicator 	TRUE
 Timer_STATUS_periodic 	Not Present
- RB mapping info	
 Information for each multiplexing option 	2 RBMuxOptions
 RLC logical channel mapping indicator 	Not Present
 Number of uplink RLC logical channels 	1
 Uplink transport channel type 	DCH
 UL Transport channel identity 	5
 Logical channel identity 	4
- CHOICE RLC size list	Configured
 MAC logical channel priority 	4
- Downlink RLC logical channel info	
 Number of downlink RLC logical channels 	1
 Downlink transport channel type 	DCH
 DL DCH Transport channel identity 	10
 DL DSCH Transport channel identity 	Not Present
- Logical channel identity	4
 RLC logical channel mapping indicator 	Not Present
 Number of uplink RLC logical channels 	1
 Uplink transport channel type 	RACH
 UL Transport channel identity 	Not Present
 Logical channel identity 	4
- CHOICE RLC size list	Explicit list
- RLC size index	According to TS34.108 clause 6.10.2.4.1.3 (standalone
	13.6 kbps signalling radio bearer)
- MAC logical channel priority	5
- Downlink RLC logical channel info	
 Number of downlink RLC logical channels 	1
 Downlink transport channel type 	FACH
 DL DCH Transport channel identity 	Not Present
 DL DSCH Transport channel identity 	Not Present
- Logical channel identity	4
UL Transport channel information for all transport	Not Present
channels	
Added or Reconfigured TrCH information list	TS 25.331 specifies that "Although this IE is not required when the IE "RRC state indicator" is set to "CELL_FACH", need is MP to align with ASN.1"
- Added or Reconfigured UL TrCH information	OLLL_I AOIT, HEED IS WILL O AllYIT WILLT ASIN.T
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- TFS	Ŭ

Information Element	Value/remark
- CHOICE Transport channel type	Delicated transport channels
- Dynamic Transport format information	
- RLC Size	Value 16 results in an RLC size of 144 bits;
	OctetModeType1 ((8*sizeType1)+16).
 Number of TBs and TTI List 	List with single entry
- Transmission Time Interval	Not Present
 Number of Transport blocks 	0
- CHOICE Logical Channel List	ALL
 Semi-static Transport Format information 	
- Transmission time interval	40 ms
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	160
- CRC size	16
DL Transport channel information common for all	Not Present(Refer to SIB type 5)
transport channel	
Added or Reconfigured TrCH information list	TS 25.331 specifies that "Although this IE is not required
	when the IE "RRC state indicator" is set to
	"CELL_FACH", need is MP to align with ASN.1"
- Added or Reconfigured DL TrCH information	
 Downlink transport channel type 	DCH
- DL Transport channel identity	10
- CHOICE DL parameters	Same as UL
- Uplink Transport channel type	DCH
- UL TrCH identity	5
- DCH quality target	Not Present
Frequency info	Not present
Maximum allowed UL TX power	Not present
CHOICE channel requirement	Not Present
Downlink information common for all radio links	Not Present
Downlink information for each radio link list	Not present

Contents of RRC CONNECTION SETUP COMPLETE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	The value of this IE is checked to see that it matches the value of the same IE transmitted in the downlink RRC CONNECTION SETUP message.
START list	Not checked
UE radio access capability	Not checked
UE radio access capability extension	Not checked
UE system specific capability	Not checked

Contents of RRC STATUS message: AM

Information Element	Value/remark
Message Type	
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Identification of received message	Not Checked
Protocol error information	
- Protocol error cause	Refer to test requirement.

Contents of SECURITY MODE COMMAND message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	
 Message authentication code 	Set to an arbitrarily selected 32-bits integer
- RRC Message Sequence Number	Set to an arbitrarily selected integer between 0 and 15
Security capability	
 Ciphering algorithm capability 	
- UEA0	If the UE has indicated support for ciphering algorithm
	UEA0 in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message, this IE is set to TRUE.
- UEA1	If the UE has indicated support for ciphering algorithm UEA1 in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message, this IE is
	set to TRUE.
- Spare	Spare 2-15 = FALSE
- Integrity protection algorithm capability	00000000000010B (UIA1)
- UIA1	TRUE
- Spare	Spare 0 and Spare 2-15 = FALSE
Ciphering mode info	This presence of this IE is dependent on IXIT statements in
	TS 34.123-2. If ciphering is indicated to be active, this IE
	present with the values of the sub IEs as stated below.
	Else, this IE is omitted.
- Ciphering mode command	Start/restart
- Ciphering algorithm	UEA0 or UEA1. The indicated algorithm must be one of the
	algorithms supported by the UE as indicated in the IE "security capability" in the RRC CONNECTION SETUP
0:1:	COMPLETE message.
- Ciphering activation time for DPCH	Not Present
 Radio bearer downlink ciphering activation time info 	
- Radio bearer activation time	
- RB identity	1
- RLC sequence number	Current RLC SN+2
- RB identity	2
- RLC sequence number	Current RLC SN+2
- RB identity	3
- RLC sequence number	Current RLC SN + 2
- RB identity	4
- RLC sequence number	Current RLC SN + 2
Integrity protection mode info	The presence of this IE is dependent on IXIT statements in TS 34.123-32. If integrity protection is indicated to be
	active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
 Integrity protection mode command 	Start
 Downlink integrity protection activation info 	Not Present
- Integrity protection algorithm	UIA1
- Integrity protection initialisation number	SS selects an arbitrary 32 bits number for FRESH
CN domain identity	CS or PS
UE system specific security capability	Not Checked

Contents of SECURITY MODE COMPLETE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	The value of this IE is checked to see that it matches the value of the same IE transmitted in the downlink SECURITY MODE COMMAND message.
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Uplink integrity protection activation info	Not checked.
Radio bearer uplink ciphering activation time info	If ciphering is not activated in SECURITY MODE COMMAND message, this IE must be absent. Else, SS checks this IE for the presence of activation times for all ciphered uplink RLC-UM and RLC-AM RBs.

Contents of SECURITY MODE FAILURE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Checked to see if the value is the identical to the same IE in the downlink SECURITY MODE COMMAND message.
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Failure cause	Refer to test requirement.

Contents of TRANSPORT CHANNEL RECONFIGURATION message: AM or UM

Information Element	Condition	Value/remark
Message Type	A1, A2, A3,	
	A4, A5, A6	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info		The presence of this IE is dependent on IXIT
		statements in TS 34.123-2. If integrity
		protection is indicated to be active, this IE is
		present with the values of the sub IEs as
		stated below. Else, this IE and the sub-IEs are
		omitted.
- message authentication code		SS calculates the value of MAC-I for this
		message and writes to this IE.
- RRC message sequence number		SS provides the value of this IE, from its
		internal counter.
Integrity protection mode info		Not Present
Ciphering mode info		Not Present
Activation time	A1, A2, A3,	(256+CFN-(CFN MOD 8 + 8))MOD 256
	A4,	
Activation time	A5, A6	Not Present
New U-RNTI	 	Not Present
New C-RNTI	A1, A2, A3,	Not Present
	A4	

New DSCH-RNTI	Information Element	Condition	Value/remark
New DSCH-RNTI			
A4, A5, A6 RRC State indicator RRC State indicator A1, A2, A3, CELL_DCH A4 RRC State indicator A5, A6 CELL_FACH UTRAN DRX cycle length coefficient A1, A2, A3, A4,A5,A6 Not Present A6 A3, A4 A3, A4 Not Present PD Not Present Not Present PD Not Present Normal Complete reconfiguration - TFC subset - CHOICE TFCS representation - TFCs complete reconfigure information - CHOICE TFCS representation - CHOICE TFC Size - CTFC - CTFC - Power offset information - CHOICE Gain Factors - Gain factor βc - Gain factor βd - Reference to TS34, 108 clause 6.10.2.4 Parameter Set Computed Gain Factors (The last TFC is set to Signalled Gain Factors) 1 (below 64 kbps) 9 (higher than 64 kbps) 9 (higher than 64 kbps) (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 15 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 15 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 0 - CHOICE mode - Power offset P-m Added or Reconfigured UL TrCH information A1, A2, A5, Not Present			
RRC State indicator RRC State indicator A1, A2, A3, A6 RRC State indicator A5, A6 CELL_FACH Not Present FDD Not Present Not Present FDD			
A4	RRC State indicator		CELL DCH
UTRAN DRX cycle length coefficient			
A4,A5,A6 Not Present A1, A2, A5, A6 A3, A4 A3, A4 Not Present	RRC State indicator	A5, A6	CELL_FACH
CN information info URA identity Downlink counter synchronisation info UL Transport channel information for all transport channels - PRACH TFCS - CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS sze - CTFC information - CHOICE TFC Size - CTFC information - CHOICE TFC Size - CTFC - CT	UTRAN DRX cycle length coefficient	A1, A2, A3,	Not Present
URA identity Downlink counter synchronisation info UL Transport channel information for all transport channels UL Transport channel information for all transport channels UL Transport channel information for all transport channels - PRACH TFCS - CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfigure information - CHOICE CTFC Size - CTFC - CTFC - CTFC - Power offset information - CHOICE Gain Factors - Gain factor βc - Gain factor βc - Gain factor βd - Reference to TGA1.108 clause 6.10.2.4 - Reference to TS34.108 clause 6.10.2.4 - CTFC - Power offset information - CHOICE Gain Factors - Gain factor βc - Gain factor βd - Gain factor βd - Reference to TGD - CHOICE Gain Factors is set to ComputedGain Factors) - Reference to TGD - CHOICE Gain Factors is set to ComputedGain Factors) - Reference TFC ID - CHOICE mode - Power offset P-pm Added or Reconfigured UL TrCH information A1, A2, A5, Not Present		A4,A5,A6	
Downlink counter synchronisation info Not Present UL Transport channel information for all transport channels A1, A2, A5, A6 UL Transport channel information for all transport channels A3, A4 UL Transport channel information for all transport channels Not Present - PRACH TFCS Not Present - CHOICE mode Not Present - TFC subset Normal - UL DCH TFCS Normal - TFCI Field 1 information Complete reconfiguration - TFCS complete reconfigure information Complete reconfiguration - CHOICE TFC Size Number of bits used must be enough to cover all combinations of CTFC from TS34.108 clause 6.10.2.4 Parameter Set. - CTFC This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Parameter Set - Power offset information Computed Gain Factors (The last TFC is set to Signalled Gain Factors) - Gain factor βc Computed Gain Factors (The last TFC is set to Signalled Gain Factors) - Gain factor βd (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) - Reference TFC ID (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) - Reference TFC ID (Not Present if the CHOICE Gain Factors)	CN information info		Not Present
UL Transport channel information for all transport channels UL Transport channel information for all transport channels - PRACH TFCS - CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfigure information - CHOICE CTFC Size - CTFC information - CTFC information - CTFC - Power offset information - CHOICE Gain Factors - Gain factor βc - Gain factor βc - Reference TFC ID - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information - A1, A2, A5, A6 A1, A2, A5, Not Present A1, A2, A5, A6 A1, A2, A5, Not Present			
channels A6 UL Transport channel information for all transport channels A3, A4 - PRACH TFCS Not Present - CHOICE mode Not Present - TFC subset Not Present - UL DCH TFCS Normal - CHOICE TFCI signalling Complete reconfiguration - CHOICE TFCS representation Complete reconfiguration - CHOICE CTFC Size Number of bits used must be enough to cover all combinations of CTFC from TS34.108 clause 6.10.2.4 Parameter Set. - CTFC information This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Parameter Set - Power offset information Computed Gain Factors (The last TFC is set to Signalled Gain Factors) - CHOICE Gain Factors 11 (below 64 kbps) - Gain factor βd Computed Gain Factors (The last TFC is set to ComputedGain Factors) - Gain factor βd 15 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) - Reference TFC ID CHOICE mode Pome Not Present - Power offset P p-m A1, A2, A5, Not Present		<u> </u>	
UL Transport channel information for all transport channels - PRACH TFCS - CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfigure information - CHOICE TFC Size - CTFC information - CTFC information - CTFC - Power offset information - CHOICE Gain Factors - Gain factor βc - Gain factor βd - Reference TFC ID - CHOICE TFC ID - Power offset P _P -m Added or Reconfigured UL TrCH information - A1, A2, A5, Not Present Not Present FDD Not Present Not Present FDD Not Present	· · · · · · · · · · · · · · · · · · ·		Not Present
channels - PRACH TFCS - CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - CHOICE TFCS representation - CHOICE CTFC Size - CHOICE CTFC Size Number of bits used must be enough to cover all combinations of CTFC from TS34.108 clause 6.10.2.4 Parameter Set. - CTFC information This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Parameter Set - Power offset information Reference to TS34.108 clause 6.10.2.4 Parameter Set - Power offset information Computed Gain Factors(The last TFC is set to Signalled Gain Factors) - Gain factor βc Computed Gain Factors (The last TFC is set to ComputedGain Factors) - Gain factor βd (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) - Reference TFC ID (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) - Power offset P p-m Not Present			
- PRACH TFCS - CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Filed 1 information - CHOICE TFCS representation - TFCS complete reconfigure information - CHOICE CTFC Size - CTFC information - CTFC information - CTFC - Power offset information - CHOICE Gain Factors - Gain factor βc - Gain factor βd - Reference TFC ID - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information - A1, A2, A5, Not Present Not Present FDD Not Present		A3, A4	
- CHOICE mode - TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfigure information - CHOICE CTFC Size - CTFC information - CTFC information - CTFC - CTFC - CTFC - Power offset information - CHOICE Gain Factors - Gain factor βc - Gain factor βd - Reference TFC ID - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information - TFCS subset - This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Parameter Set Ref			Not Propert
- TFC subset - UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfigure information - CHOICE CTFC Size - CTFC information - CTFC information - CTFC - Power offset information - CHOICE Gain Factors - Gain factor βc - Gain factor βd - Reference TFC ID - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information - A1, A2, A5, Not Present Normal			
- UL DCH TFCS - CHOICE TFCI signalling - TFCI Field 1 information - CHOICE TFCS representation - TFCS complete reconfigure information - CHOICE CTFC Size - CTFC Size - CTFC information - CTFC - Power offset information - CHOICE Gain Factors - Gain factor βc - Gain factor βd - Reference TFC ID - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information - TFCI Field 1 information - CHOICE Gain Factors - COmputed Gain Factors - CHOICE Gain Factors - CHOICE Gain Factors - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information - TFCI Field 1 information - Computed Gain Factors - Computed Gain Factors (The last TFC is set to Signalled Gain Factors) - Computed Gain Factors is set to Compu			
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- CHOICE TFCS representation - TFCS complete reconfigure information - CHOICE CTFC Size - CTFC information - CTFC information - CTFC information - CTFC information - CTFC - CTFC - CTFC - CTFC - Power offset information - CHOICE Gain Factors - Gain factor βc - Gain factor βd - Reference TFC ID - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information - CHOICE CTFC Size - Computed Gain Factors - Computed Gain Factors (The last TFC is set to Signalled Gain Factors) - Computed Gain Factors (Not Present if the CHOICE Gain Factors is set to Computed Gain Factors) - CHOICE mode - Power offset P p-m - Added or Reconfigured UL TrCH information - CHOICE Gain Factors - Computed Gain Factors (The last TFC is set to Signalled Gain Factors) - Computed Gain Factors) - Computed Gain Factors is set to Computed Gain Factors is set to Computed Gain Factors) - Reference TFC ID - CHOICE mode - Power offset P p-m - Added or Reconfigured UL TrCH information - CHOICE Gain Factors is Set to Computed Gain Factors is Set to Computed Gain Factors) - Reference TFC ID - CHOICE mode - Power offset P p-m - Added or Reconfigured UL TrCH information - CHOICE Gain Factors (Not Present) - Reference TFC ID - CHOICE mode - Power offset P p-m - Added or Reconfigured UL TrCH information			
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clause 6.10.2.4 Parameter Set. This IE is repeated for TFC numbers and reference to TS34.108 clause 6.10.2.4 Parameter Set Power offset information - CHOICE Gain Factors - Gain factor βc - Gain factor βc - Gain factor βd - Reference TFC ID - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information - CTFC Clause 6.10.2.4 Parameter Set Reference to TS34.108 clause 6.10.2.4 Parameter Set Computed Gain Factors(The last TFC is set to Signalled Gain Factors) 11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 15 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 16 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 17 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 18 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 19 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 19 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 19 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 10 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 10 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 10 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 10 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 10 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 10 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 10 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 10 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 10 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors is set to Computed	- CHOICE CTFC Size		
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- CTFC - Power offset information - CHOICE Gain Factors - Gain factor βc - Gain factor βd - Reference to TS34.108 clause 6.10.2.4 Parameter Set - Computed Gain Factors(The last TFC is set to Signalled Gain Factors) 11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 15 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) - Reference TFC ID - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information A1, A2, A5, Not Present			
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- Power offset information - CHOICE Gain Factors - Gain factor βc - Gain factor βd - Reference TFC ID - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information - Computed Gain Factors (The last TFC is set to Signalled Gain Factors) 11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 15 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 0 FDD Not Present A1, A2, A5, Not Present	- CIFC		
- CHOICE Gain Factors - Gain factor βc - Gain factor βd - Gain factor βd - Reference TFC ID - CHOICE mode - Power offset P p-m - Added or Reconfigured UL TrCH information - Gain factors - Computed Gain Factors (The last TFC is set to Signalled Gain Factors) 11 (below 64 kbps) (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) - Reference TFC ID - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information A1, A2, A5, Not Present	- Power offset information		i arameter Set
Signalled Gain Factors) - Gain factor βc - Gain factor βc - Gain factor βc - Gain factor βd - Gain factor βd - Reference TFC ID - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information - Gain factor βc - Reference Signalled Gain Factors) 11 (below 64 kbps) (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) - Reference TFC ID - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information - Reference TFC ID - CHOICE mode - Power offset P p-m - Not Present			Computed Gain Factors/The last TFC is set to
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9 (higher than 64 kbps) (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) - Gain factor βd - Reference TFC ID - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information 9 (higher than 64 kbps) (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 0 FDD Not Present A1, A2, A5, Not Present	- Gain factor βc		
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- Gain factor βd 15 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) - Reference TFC ID - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information 15 (Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) 0 FDD Not Present A1, A2, A5, Not Present			(Not Present if the CHOICE Gain Factors is set
(Not Present if the CHOICE Gain Factors is set to ComputedGain Factors) - Reference TFC ID - CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information A1, A2, A5, Not Present			
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- Reference TFC ID 0 - CHOICE mode FDD - Power offset P p-m Not Present Added or Reconfigured UL TrCH information A1, A2, A5, Not Present			
- CHOICE mode - Power offset P p-m Added or Reconfigured UL TrCH information A1, A2, A5, Not Present Not Present	Defending TEO ID		
- Power offset P p-m Not Present Added or Reconfigured UL TrCH information A1, A2, A5, Not Present			
Added or Reconfigured UL TrCH information A1, A2, A5, Not Present	*******		
		Λ1 Λ2 Λ5	
I A6	Added of Neconinguled OL HOTTIHIOIHIALION	A1, A2, A5, A6	NOT LESCH

Information Element	Condition	Value/remark
Added or Reconfigured UL TrCH information	A4	2 TrCHs(DCH for DCCH and DCH for DTCH)
- Uplink transport channel type	^7	DCH
- UL Transport channel identity		5
- TFS		Ĭ
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
		Set
 Number of TBs and TTI List 		(This IE is repeated for TFI number.)
- Transmission Time Interval		Not Present
 Number of Transport blocks 		Reference to TS34.108 clause 6.10 Parameter
		Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
Towns of sharped as discuss		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
- Coding Rate		Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
rate matering attribute		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
5.10 5.25		Set
- Uplink transport channel type		DCH
- UL Transport channel identity		1
- TFS		
 CHOICE Transport channel type 		Dedicated transport channels
 Dynamic Transport format information 		·
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
		Set
 Number of TBs and TTI List 		(This IE is repeated for TFI number.)
- Transmission Time Interval		Not Present
 Number of Transport blocks 		Reference to TS34.108 clause 6.10 Parameter
		Set
 CHOICE Logical Channel list Semi-static Transport Format information 		All
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
- Transmission time interval		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
Type of charmer county		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
3		Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
•		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
		Set
Added or Reconfigured UL TrCH information	A3	(DCH for DTCH)
- Uplink transport channel type		DCH
- UL Transport channel identity		1
- TFS		
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport format information		Deference to TSO4 400 eleves 0 40 December
- RLC Size		Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter
realizer of transport blooks		Set
- CHOICE Logical Channel list		All
- Semi-static Transport Format information		
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter
		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
		Set

Information Element	Condition	Value/remark
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
		Set
- CRC size		Reference to TS34.108 clause 6.10 Parameter
		Set
CHOICE mode	A1,A2,A3,	FDD
	A4,A5,A6	
- CPCH set ID		Not Present
- Added or Reconfigured TrCH		Not Present
information for DRAC list	1110	N (D
DL Transport channel information common for all	A1, A2,	Not Present
transport channel	A5,A6	
DL Transport channel information common for all transport channel	A3,A4	
- SCCPCH TFCS		Not Present
- CHOICE mode		FDD
- CHOICE DL parameters		Explicit
- DL DCH TFCS		Explicit
- CHOICE TFCI Signalling		Normal
- TFCI Field 1 Information		
- CHOICE TFCS representation		Complete reconfiguration
- TFCS complete reconfigure		
- CHOICE CTFC Size		Number of bits used must be enough to cover
		all combinations of CTFC from clause
		TS34.108 clause 6.10.2.4 Parameter Set.
- CTFC information		This IE is repeated for TFC numbers and
		reference to TS34.108 clause 6.10.2.4
- CTFC		Reference to TS34.108 clause 6.10.2.4
5 "		Parameter Set
- Power offset information		Not Present
Added or Reconfigured DL TrCH information	A1, A2, A5, A6	Not Present

Information Element	Condition	Value/remark
Added or Reconfigured DL TrCH information	A4	2 TrCHs(DCH for DCCH and DCH for DTCH)
- Downlink transport channel type	^ -	DCH
- DL Transport channel identity		10
- CHOICE DL parameters		Same as UL
- Uplink transport channel type		DCH
- UL TrCH identity		5
- DCH quality target		
- BLER Quality value		Not Present
- Transparent mode signalling info		Not Present
- Downlink transport channel type		DCH
- DL Transport channel identity		6
- CHOICE DL parameters		Explicit
- TFS		·
- CHOICE Transport channel type		Dedicated transport channel
 Dynamic transport format information 		
- RLC Size		Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Dynamic transport format information		·
- Transmission Time Interval		Not Present
 Number of Transport blocks 		Reference to TS34.108 clause 6.10 Parameter
		Set
- Semi-static Transport Format information		
- Transmission time interval		Reference to TS34.108 clause 6.10 Parameter
		Set
- Type of channel coding		Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
- CRC size		Set Reference to TS34.108 clause 6.10 Parameter
DOLL ELL		Set
- DCH quality target		
BLER Quality value Transparent mode signalling info		-2.0 Not Present
Added or Reconfigured DL TrCH information	A3	Not Flesent
- Downlink transport channel type	AS	DCH
- DL Transport channel identity		6
- CHOICE DL parameters		Explicit
- TFS		Explicit
- CHOICE Transport channel type		Dedicated transport channel
- Dynamic transport format information		
- RLC Size		Reference to TS34.108 clause 6.10 Parameter
		Set
- Number of TBs and TTI List		(This IE is repeated for TFI number.)
- Dynamic transport format information		
- Transmission Time Interval		Not Present
- Number of Transport blocks		Reference to TS34.108 clause 6.10 Parameter
Openin statis T		Set
- Semi-static Transport Format information - Transmission time interval		Deference to TCO4 400 slaves 0 40 Dame
- Transmission time Interval		Reference to TS34.108 clause 6.10 Parameter
- Type of channel coding		Set Reference to TS34.108 clause 6.10 Parameter
1,750 of official following		Set
- Coding Rate		Reference to TS34.108 clause 6.10 Parameter
		Set
- Rate matching attribute		Reference to TS34.108 clause 6.10 Parameter
- CRC size		Set Reference to TS34.108 clause 6.10 Parameter
- 000 2156		Set
- DCH quality target		
- BLER Quality value		-2.0
- Transparent mode signalling info	<u> </u>	Not Present
Frequency info	A1,A2,A3,	
	A4,A5,A6	
- UARFCN uplink (Nu)		Reference to clause 5.1 Test frequencies

		Value/remark
- UARFCN downlink (Nd)		Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power	A1,A2,A3,	33dBm
•	A4,A5,A6	
CHOICE channel requirement	A5, A6	Not Present
CHOICE channel requirement	A1, A2, A3,	Uplink DPCH info
	A4	
-Uplink DPCH power control info		0.15
- DPCCH power offset		-6dB
- PC Preamble - SRB delay		1 frame 7 frames
- SRB delay - Power Control Algorithm		Algorithm1
- TPC step size		1dB
- Scrambling code type		Long
- Scrambling code number		0 (0 to 16777215)
- Number of DPDCH		Not Present(1)
- spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
		Set
- Number of FBI bit		Reference to TS34.108 clause 6.10 Parameter
Donastonia a Linett		Set
- Puncturing Limit		Reference to TS34.108 clause 6.10 Parameter
CHOICE Mode	A1,A2,A3,	Set FDD
OF IOIOL Wode	A4,A5,A6	
- Downlink PDSCH information	7(1,710,710	Not Present
Downlink information common for all radio links	A5, A6	Not Present
Downlink information common for all radio links	A1, A2, A3	
- Downlink DPCH info common for all RL	, ,	
- Timing indicator		Maintain
- CFN-targetSFN frame offset		Not Present
 Downlink DPCH power control information 		
- DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0 Not Brosset
- DL rate matching restriction information		Not Present Reference to TS34.108 clause 6.10 Parameter
- Spreading factor		Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter
Tixed of Flexible February		Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter
		Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter
		Set
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value	1	Not Present
Downlink information common for all radio links	A4	
- Downlink DPCH info common for all RL		Initialia
- Timing indicator - CFN-targetSFN frame offset		Initialise Not Present
- CFN-targetSFN frame offset - Downlink DPCH power control information		NOT LIESCH
- DOWNLINK DECH power control information - DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
- DL rate matching restriction information		Not Present
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter Set
- Fixed or Flexible Position		Reference to TS34.108 clause 6.10 Parameter Set
- TFCI existence		Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE SF		Reference to TS34.108 clause 6.10 Parameter Set
- DPCH compressed mode info - TX Diversity mode		Not Present None

Information Element	Condition	Value/remark
- SSDT information		Not Present
- Default DPCH Offset Value	A4 A0 A0	Arbitrary set to value 0306688 by step of 512
Downlink information for each radio link list - Downlink information for each radio links	A1, A2, A3	
- CHOICE mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
BBOOK SEQUENCE (6.1 (FDD)
- PDSCH with SHO DCH info - PDSCH code mapping		Not Present Not Present
- Downlink DPCH info for each RL		Not i lesent
- Primary CPICH usage for channel estimation		Primary CPICH may be used
- DPCH frame offset		0 chips
- Power offset P _{Pilot-DPDCH}		0
- Secondary CPICH info		Not Present
- DL channelisation code - Secondary scrambling code		4
- Spreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity		Not Present
Closed loop timing adjustment mode SCCPCH information for FACH		Not Present Not Present
Downlink information for each radio link list	A4	Not Flesent
- Downlink information for each radio links	'	
- CHOICE mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
PROOFF WITH ONE POLICY		6.1 (FDD)
- PDSCH with SHO DCH info - PDSCH code mapping		Not Present Not Present
- Downlink DPCH info for each RL		Not Flesent
- Primary CPICH usage for channel estimation		Primary CPICH may be used
- DPCH frame offset		Set to value: Default DPCH Offset Value mod
		38400
- Power offset P _{Pilot-DPDCH}		0
- Secondary CPICH info		Not Present
- DL channelisation code		4
Secondary scrambling codeSpreading factor		Reference to TS34.108 clause 6.10 Parameter
		Set
- Code number		0
- Scrambling code change		No change
- TPC combination index		0
- SSDT Cell Identity Closed loop timing adjustment mode		Not Present Not Present
Closed loop timing adjustment mode SCCPCH information for FACH		Not Present Not Present
- Downlink information for each radio link	A5	Trock Todon
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Ref. to the Default setting in TS34.108 clause
DD0011 with 0110 D011; (6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping - Downlink DPCH info for each RL		Not Present Not present
- SCCPCH information for FACH		Not Present
- Downlink information for each radio link	A6	
- Choice mode		FDD
- Primary CPICH info		
- Primary scrambling code		Different from the Default setting in TS34.108
DD0011 with 0110 D011; (clause 6.1 (FDD)
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping - Downlink DPCH info for each RL		Not Present Not present
- SCCPCH information for FACH		Not Present
2301 OTT INIONIALION TO LITAON		HOLF TOOOTIC

Condition	Explanation
A1	This IE need for "Non speech in CS"
A2	This IE need for "Speech in CS"
A3	This IE need for "Packet to CELL_DCH from CELL_DCH in PS"
A4	This IE need for "Packet to CELL_DCH from CELL_FACH in PS"
A5	This IE need for "Packet to CELL_FACH from CELL_DCH in PS"
A6	This IE need for "Packet to CELL_FACH from CELL_FACH in PS"

Contents of TRANSPORT CHANNEL RECONFIGURATION COMPLETE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Checked to see if the value is identical to the same IE in the downlink TRANSPORT CHANNEL RECONFIGURATION message
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Uplink integrity protection activation info	Not checked
CHOICE mode	FDD
COUNT-C activation time	The UE shall include this IE if the following two
	conditions are fulfilled: (a) The TRANSPORT CHANNEL
	RECONFIGURATION message did not contain the IE
	"Ciphering activation time for DPCH" and (b) The
	TRANSPORT CHANNEL RECONFIGURATION
	message established the first RB(s) mapped to RLC-TM
	for a CN domain or released the last RB(s) mapped to
Dadia kaasa walisha isha sisa a ashasha atisa isha	RLC-TM for a CN domain. Else, this IE is absent.
Radio bearer uplink ciphering activation time info	Not checked
Uplink counter synchronisation info	Not checked

Contents of TRANSPORT CHANNEL RECONFIGURATION FAILURE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identitifer	Checked to see if it is set to identical value of the same IE in the downlink TRANSPORT CHANNEL RECONFIGURATION message.
Integrity check info	The presence if this IE is dependent on IXIT statements in TS 34.123-2. if integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Failure cause	Checked to see if it meets test requirement

Contents of TRANSPORT FORMAT COMBINATION CONTROL message: AM or UM (in CELL_DCH)

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If integrity protection is indicated to be
	active, this IE is present with the values of the sub IEs as
	stated below. Else, this IE and the sub-IEs are omitted.
 Message authentication code 	SS calculates the value of MAC-I for this message and
	writes to this IE.
 RRC Message sequence number 	SS provides the value of this IE, from its internal counter.
CHOICE mode	FDD
DPCH/PUSCH TFCS in Uplink	
- CHOICE Subset representation	Allowed transport format combination list
 Allowed Transport format combination 	0 (The TFC is constructed from ALL TF0)
Activation time for TFC subset	Not Present
TFC Control duration	Not Present

Contents of UE CAPABILITY ENQUIRY message: AM or UM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
- Message authentication code	SS calculates the value of MAC-I for this message and writes to this IE.
 RRC Message sequence number Capability update requirement 	SS provides the value of this IE, from its internal counter.
 UE radio access FDD capability update requirement 	TRUE
- UE radio access TDD capability update requirement	FALSE
- System specific capability update requirement list	Not Present

Contents of UE CAPABILITY INFORMATION message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Checked to see if the value is identical to the same IE in the downlink UE CAPABILITY ENQUIRY message.
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
UE radio access capability	Value will be checked. Stated capability must be compatible with 34.123-2 (ICS statements) and the user settings
- Access stratum release indicator	
- PDCP Capability	
- RLC Capability	
- Transport channel capability	
- RF Capability FDD	
- RF Capability TDD - Physical channel capability	
- UE multi-mode/multi-RAT capability	
- Security Capability	
- UE positioning Capability	
- Measurement capability	
UE radio access capability extension	Value will be checked. Stated capability must be
	compatible with 34.123-2 (ICS statements) and the user
	settings
UE system specific capability	Not Checked

Contents of UE CAPABILITY INFORMATION CONFIRM message: UM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Set to the same value as received in the UE CAPABILITY INFORMATON message.
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
- Message authentication code	SS calculates the value of MAC-I for this message and writes to this IE.
- RRC Message sequence number	SS provides the value of this IE, from its internal counter.

Contents of URA UPDATE message: TM

Information Element	Value/remark
Message Type	
U-RNTI	
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
RRC transaction identifier	Checked to see if it is absent
Integrity check info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If integrity protection is indicated to be
	active, this IE shall be present with the values of the sub
	IEs as stated below. Else, this IE and the sub-IEs shall be
	absent.
 Message authentication code 	This IE is checked to see if it is present. The value is
	compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is
	used by SS to compute the XMAC-I value.
URA update cause	See the test content
Protocol error indicator	Checked to see if it is absent or set to 'FALSE'
Protocol error information	Checked to see if it is absent

Contents of URA UPDATE CONFIRM message: UM

Information Element	Value/remark
Message Type	
U-RNTI	If this message is sent on CCCH, use the following
	values. Else, this IE is absent.
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
RRC transaction identifier	Arbitrarily selects and integer between 0 and 3
Integrity check info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If integrity protection is indicated to be
	active, this IE is present with the values of the sub IEs as
	stated below. Else, this IE and the sub-IEs are omitted.
 message authentication code 	SS calculates the value of MAC-I for this message and
	writes to this IE.
- RRC message sequence number	SS provides the value of this IE, from its internal counter.
Integrity protection mode info	Not Present
Ciphering mode info	Not Present
New U-RNTI	Not Present
New C-RNTI	Not Present
RRC state indicator	URA_PCH
UTRAN DRX cycle length coefficient	3
CN information info	Not Present
URA identity	See the test content
Downlink counter synchronisation info	Not Present

Contents of UPLINK DIRECT TRANSFER message: $\ensuremath{\mathsf{AM}}$

Information Element	Value/remark
Message Type	
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
CN domain identity	Checked to see if set to a CN domain for which a signalling connection exists
NAS message	Set according to that indicated in specific message content clause
Measured results on RACH	Not checked

Contents of UTRAN MOBILITY INFORMATION message: AM or UM

Information Element	Value/remark
Message Type	
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE.
- RRC message sequence number	SS provides the value of this IE, from its internal counter.
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity protection mode info	Not Present
Ciphering mode info	Not Present
New U-RNTI	See the test content
New C-RNTI	See the test content
UE Timers and constants in connected mode	
- T301	2000 milliseconds
- N301	2
- T302	4000 milliseconds
- N302	3
- T304	1000 milliseconds
- N304	3
- T305	60 minutes
- T307	50 seconds
- T308	320 milliseconds
- T309	8 seconds
- T310	320 milliseconds
- N310	5
- T311	500 milliseconds
- T312	5 seconds
- N312	200
- T313	10 seconds
- N313	200
- T314	20 seconds
- T315	30 seconds
- N315	200
- T316	50 seconds
- T317	1800 seconds
CN information info	Not Present
URA identity	Not present
Downlink counter synchronisation info	Not Present

Contents of UTRAN MOBILITY INFORMATION CONFIRM message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Checked to see if it matches the value of the same IE in downlink UTRAN MOBILITY INFORMATION message
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Uplink integrity protection activation info	Not checked
COUNT-C activation time	The presence of this IE depends on the following 2 factors: (a) There exists RB(s) mapped to RLC-TM, (b) UE is transiting to CELL_DCH state after the reconfiguration procedure. Else, this IE is absent.
Radio bearer uplink ciphering activation time info	Not checked
Uplink counter synchronisation info	Not checked

9.1.2 Default RRC Message Contents (TDD)

Contents of DOWNLINK DIRECT TRANSFER message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	0
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
- Message authentication code	SS calculates the value of MAC-I for this message and writes to this IE.
- RRC Message sequence number	SS provides the value of this IE, from its internal counter.
CN domain identity	CS domain or PS domain
NAS message	See Specific Message Content for each test case

Contents of INITIAL DIRECT TRANSFER message: AM

Information Element	Value/remark
Message Type	
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
CN domain identity	CS domain or PS domain
Intra Domain NAS Node Selector	Set to the same octet string as in the IMSI stored in the USIM card
NAS message	Set according to that indicated in specific message content for each test case
Measured results on RACH	Not checked

Contents of PAGING TYPE 1 message: TM (Speech in CS)

Information Element	Value/remark
Message Type	
Paging record list	
- Paging record	
 CHOICE Used paging identity 	CN identity
- Paging cause	Terminating Conversational Call
- CN domain identity	CS domain
- CHOICE UE identity	
- IMSI (GSM-MAP)	Set to the same octet string as in the IMSI stored in the
	USIM card
BCCH modification info	Not Present

Contents of PAGING TYPE 1 message: TM (The others of speech in CS)

Information Element	Value/remark
Message Type	
Paging record list	
- Paging record	
 CHOICE Used paging identity 	CN identity
- Paging cause	Terminating Streaming Call
- CN domain identity	CS domain
- CHOICE UE identity	
- IMSI (GSM-MAP)	Set to the same octet string as in the IMSI stored in the
	USIM card
BCCH modification info	Not Present

Contents of PAGING TYPE 1 message: TM (Packet in PS)

Information Element	Value/remark
Message Type	
Paging record list	
- Paging record	
 CHOICE Used paging identity 	CN identity
- Paging cause	Terminating Interactive Call
- CN domain identity	PS domain
- CHOICE UE identity	
- IMSI (GSM-MAP)	Set to the same octet string as in the IMSI stored in the
	USIM card
BCCH modification info	Not Present

Contents of RADIO BEARER SETUP message: AM or UM (Speech in CS)

Information Element	Value/remark
Message Type	
RRC transaction identifier	0
Integrity check info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If integrity protection is indicated to be
	active, this IE is present with the values of the sub IEs as
	stated below. Else, this IE and the sub-IEs are omitted.
- message authentication code	SS calculates the value of MAC-I for this message and
	writes to this IE.
- RRC message sequence number	SS provides the value of this IE, from its internal counter.
Integrity protection mode info	Not Present
Ciphering mode info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If ciphering is indicated to be active, this
	IE present with the values of the sub IEs as stated below.
.	Else, this IE is omitted.
- Ciphering mode command	Start/restart
- Ciphering algorithm	Use one of the supported ciphering algorithms
- Ciphering activation time for DPCH	(256+CFN-(CFN MOD 8 + 8))MOD 256
 Radio bearer downlink ciphering activation time 	Not Present
info	
Activation time	(256+CFN-(CFN MOD 8 + 8))MOD 256
New U-RNTI	Not Present
New C-RNTI	Not Present
New DSCH-RNTI	Not Present
RRC State indicator	CELL_DCH
UTRAN DRX cycle length coefficient	Not Present
CN information info	Not Present
URA identity	Not Present
Signalling RB information to setup list	Not Present
RAB information for setup list	
- RAB information for setup	
- RAB info	
- RAB identity	0000 0001B
- CN domain identity	CS domain
- NAS Synchronization Indicator	Not Present
- Re-establishment timer	UseT314
- RB information to setup	
- RB identity	10
- PDCP info	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	TM RLC
- Transmission RLC discard	Not Present
- Segmentation indication	FALSE
- CHOICE Downlink RLC mode	TM RLC
- Segmentation indication	FALSE
- RB mapping info	
- Information for each multiplexing option	Net Present
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1 POU
- Uplink transport channel type	DCH
- UL Transport channel identity	1 Not Present
- Logical channel identity	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	1
- Downlink RLC logical channel info	
Number of downlink RLC logical channels Downlink transport shapped type	1 DOLL
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	6 Not Propert
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
- RB identity	11 Not Present
- PDCP info	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	TM RLC
- Transmission RLC discard	Not Present
- Segmentation indication	FALSE

Information Element	Value/remark
- CHOICE Downlink RLC mode	TM RLC
- Segmentation indication	FALSE
- RB mapping info	TALOE
- Information for each multiplexing option	
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
 Uplink transport channel type 	DCH
 UL Transport channel identity 	2
- Logical channel identity	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	1
- Downlink RLC logical channel info	4
 Number of downlink RLC logical channels Downlink transport channel type 	1 DCH
- DL DCH Transport channel identity	7
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
- RB identity	12
- PDCP info	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	TM RLC
- Transmission RLC discard	Not Present
- Segmentation indication	FALSE
- CHOICE Downlink RLC mode	TM RLC
- Segmentation indication	FALSE
- RB mapping info	
- Information for each multiplexing option	Not Dropont
 RLC logical channel mapping indicator Number of uplink RLC logical channels 	Not Present 1
- Uplink transport channel type	DCH
- UL Transport channel identity	3
- Logical channel identity	Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	1
- Downlink RLC logical channel info	
 Number of downlink RLC logical channels 	1
 Downlink transport channel type 	DCH
- DL DCH Transport channel identity	8
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
RB information to be affected list Downlink counter synchronisation info	Not Present Not Present
UL Transport channel information for all transport	Not Fresent
channels	
- PRACH TFCS	Not Present
- CHOICE mode	TDD
-Individual UL CCTrCH information	
- TFCS ID	(This IE is repeated for TFC number.)
 Allowed Transport Format combination 	0 to MaxTFCvalue-1 (MaxTFCValue is refer to
	TS34.108 clause 6 Parameter Set.)
- PRACH TFCS	(This IE is repeated for TFC number.)
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
 TFCS complete reconfigure information CHOICE TFCS Size 	Number of used hits must be enough to sover
- CHOICE TECS SIZE	Number of used bits must be enough to cover all combinations of CTFC from clauses 6.
	Refer to TS34.108 clause 6 Parameter Set
- CTFC information	Not Present
- CHOICE mode	TDD
- Individual UL CCTrCH information	Not Present
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	3 DCHs
- Added or Reconfigured UL TrCH information	
- Uplink transport channel type	DCH
- UL Transport channel identity	1
- TFS	De diseate ditrementaria hannela
- CHOICE Transport channel type	Dedicated transport channels

- DL Transport channel identity

Information Element Value/remark - Dynamic Transport format information - RLC Size Reference to TS34.108 clause 6.10 Parameter Set - Number of TBs and TTI List (This IE is repeated for TFI number.) - Transmission Time Interval Not Present - Number of Transport blocks Reference to TS34.108 clause 6.10 Parameter Set - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval Reference to TS34.108 clause 6.10 Parameter Set - Type of channel coding Reference to TS34.108 clause 6.10 Parameter Set - Coding Rate Reference to TS34.108 clause 6.10 Parameter Set - Rate matching attribute Reference to TS34.108 clause 6.10 Parameter Set - CRC size Reference to TS34.108 clause 6.10 Parameter Set - Uplink transport channel type DCH - UL Transport channel identity - CHOICE Transport channel type Dedicated transport channels - Dynamic Transport format information - RLC Size Reference to TS34.108 clause 6.10 Parameter Set - Number of TBs and TTI List (This IE is repeated for TFI number.) - Transmission Time Interval Not Present - Number of Transport blocks Reference to TS34.108 clause 6.10 Parameter Set - Transmission Time Interval Reference to TS34.108 clause 6.10 Parameter Set - Number of Transport blocks (This IE is repeated for TFI number.) - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval Reference to TS34.108 clause 6.10 Parameter Set - Type of channel coding Reference to TS34.108 clause 6.10 Parameter Set - Coding Rate Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set - Rate matching attribute - CRC size Reference to TS34.108 clause 6.10 Parameter Set - Uplink transport channel type DCH - UL Transport channel identity 3 - CHOICE Transport channel type Dedicated transport channels - Dynamic Transport format information - RLC Size Reference to TS34.108 clause 6.10 Parameter Set - Number of TBs and TTI List (This IE is repeated for TFI number.) - Transmission Time Interval Not Present - Number of Transport blocks Reference to TS34.108 clause 6.10 Parameter Set - Transmission Time Interval Reference to TS34.108 clause 6.10 Parameter Set - Number of Transport blocks (This IE is repeated for TFI number.) - CHOICE Logical Channel list - Semi-static Transport Format information - Transmission time interval Reference to TS34.108 clause 6.10 Parameter Set - Type of channel coding Reference to TS34.108 clause 6.10 Parameter Set - Coding Rate Reference to TS34.108 clause 6.10 Parameter Set - Rate matching attribute Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set - CRC size CHOICE mode TDD (no data) DL Transport channel information common for all transport channel - SCCPCH TFCS Not Present - CHOICE mode TDD - CHOICE DL parameters Same as UL Deleted TrCH information list Not Present Added or Reconfigured TrCH information list 3 DCHs Added or Reconfigured DL TrCH information - Downlink transport channel type DCH - DL Transport channel identity - CHOICE DL parameters Same as UL - Uplink transport channel type DCH - UL TrCH identity 1 - DCH quality target - BLER Quality value -6.3 - Transparent mode signalling info Not Present - Downlink transport channel type DCH

Information Element	Value/remark
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL TrCH identity	2
- DCH quality target - BLER Quality value	Not Present
- Transparent mode signalling info	Not Present
- Downlink transport channel type	DCH
- DL Transport channel identity	8
- CHOICE DL parameters	Same as UL
- Uplink transport channel type	DCH
- UL TrCH identity	3
- DCH quality target	
- BLER Quality value	Not Present
- Transparent mode signalling info	Not Present
Frequency info	
- UARFCN Nt)	Reference to clause 5.1 Test frequencies
Maximum allowed UL TX power	30dBm
CHOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	'
- DPCCH power offset	-6dB
- PC Preamble	1 frame
- SRB delay	7 frames
- Power Control Algorithm	Algorithm1
- TPC step size	1dB
CHOICE Mode	TDD (no data)
Downlink information common for all radio links	
- Downlink DPCH info common for all RL	
- Timing indicator	Maintain
- CFN-targetSFN frame offset	Not Present
 Downlink DPCH power control information 	
- DPC mode	0 (single)
- CHOICE mode	TDD (no data)
- Default DPCH Offset Value	Not Present
Downlink information for each radio link list	
- Downlink information for each radio link	TDD
- Choice mode	TDD
- Primary CCPCH info - CHOICE S <i>yncCase</i>	Suna Casa 1
- Timeslot	Sync Case 1 PCCPCH timeslot
- Cell parameters ID	0
- SCTD indicator	O
- Downlink DPCH info for each RL	
- CHOICE mode	TDD
- DL CCTrCH List	
- TFCS ID	1
- Time info	
- Activation time	(256+CFN-(CFN mod 8 + 8))mod 256
- Duration	infinite
- Common timeslot info	
- 2nd interleaving mode	Reference to TS34.108
- TFCI coding	TRUE
- Puncturing limit	Reference to TS34.108 clause 6 Parameter set
- Repetition period	1
- Repetition length	Empty
 Downlink DPCH timeslots and codes 	
- Individual timeslot info	
- Timeslot number	The number of a downlink timeslot that has
TEOL : 4	unassigned codes.
- TFCI existence	TRUE
- Midamble shift and burst type	
-CHOICE Burst Type	
-Type 1 -Midamble Allocation Mode	Default
-Midamble Allocation Mode - Midamble configuration burst	As defined in 3GPP TS 25,221
type 1 and 3	AS GOILLEG III SOLT TO 20.221
- First timeslot channelisation codes	
- First timeslot challing sation code	(i/SF) where i is the lowest numbered code
า แจะ เกิดเมายาเจิดแบบ เป็นซ	("OI) WHOLO LIS THE IOMEST HUITIDELEG CORE

Information Element	Value/remark
	that is being assigned and SF is specified in
	TS34.108 clause 6 Parameter Set
 Last channelisation code 	(j/SF) where j is the highest numbered code
	that is being assigned in the slot.
- Bitmap	Bitmap of the codes that are being assigned in
	the slot.
 CHOICE more timeslots 	The presence of this IE depends upon whether
	the requirements of TS34.108 clause 6
	Parameter Set could be met by the codes that
	have been assigned in the first timeslot
- UL CCTrCH TPC List	Not Present
-SCCPCH information for FACH	Not Present

Contents of RADIO BEARER SETUP message: AM or UM (Packet to CELL_DCH from CELL_DCH in PS)

Information Element	Value/remark
Message Type	
RRC transaction identifier	0
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE.
- RRC message sequence number	SS provides the value of this IE, from its internal counter.
Integrity protection mode info	Not Present
Ciphering mode info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted.
- Ciphering mode command	Start/restart
- Ciphering algorithm	Use one of the supported ciphering algorithms
- Ciphering activation time for DPCH	(256+CFN-(CFN MOD 8 + 8))MOD 256
Radio bearer downlink ciphering activation time info	Not Present
Activation time	(256+CFN-(CFN MOD 8 + 8))MOD 256
New U-RNTI	Not Present
New C-RNTI	Not Present
New DSCH-RNTI	Not Present

Information Florer	Value les mante
Information Element RRC State indicator	Value/remark CELL_DCH
UTRAN DRX cycle length coefficient	Not Present
CN information info	Not Present
URA identity	Not Present
Signalling RB information to setup	Not Present
RAB information for setup	
- RAB info	
- RAB identity	0000 0101B
- CN domain identity	PS domain
- NAS Synchronization Indicator	Not Present
- Re-establishment timer	UseT314
- RB information to setup	
- RB identity	20
- PDCP info	Not Present
- CHOICE RLC info type - CHOICE Uplink RLC mode	RLC info AM RLC
- Transmission RLC discard	AWIRLO
- SDU discard mode	Max DAT retransmissions
- MAX DAT	4
- Timer MRW	100
- MaxMRW	4
- Transmission window size	8
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99 Not Present
- Timer_poll_periodic - CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	8
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	200
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	DCH
UL Transport channel identity Logical channel identity	1 Not Present
- CHOICE RLC size list	Configured
- MAC logical channel priority	1
- Downlink RLC logical channel info	
- Number of downlink RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	6
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	Not Present
- RLC logical channel mapping indicator	Not Present
- Number of uplink RLC logical channels	1
- Uplink transport channel type	RACH Not Propert
- UL Transport channel identity	Not Present 7
Logical channel identity CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	6
- Downlink RLC logical channel info	_
- Number of downlink RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
·	

Information Element	Value/remark
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	7
RB information to be affected list	Not Present
Downlink counter synchronisation info	Not Present
UL Transport channel information for all transport	
channels	
- PRACH TFCS	Not Present
- CHOICE mode	TDD
-Individual UL CCTrCH information	
- TFCS ID	(This IE is repeated for TFC number.)
 Allowed Transport Format combination 	0 to MaxTFCvalue-1 (MaxTFCValue is refer to
	TS34.108 clause 6 Parameter Set.)
- PRACH TFCS	(This IE is repeated for TFC number.)
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information	
- TFCS complete reconfigure information	
- CHOICE TFCS Size	Number of used bits must be enough to cover
	all combinations of CTFC from clauses 6.
	Refer to TS34.108 clause 6 Parameter Set
- CTFC information	Not Present
- CHOICE mode	TDD
- Individual UL CCTrCH information	Not Present
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	
- Added or Reconfigured UL TrCH information	
- Uplink transport channel type	DCH
- UL Transport channel identity	1
- TFS	
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	
- RLC Size	Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List	(This IE is repeated for TFI number.)
- Transmission Time Interval	Not Present
- Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE Logical Channel list	All
- Semi-static Transport Format information	D (T004 400 1
- Transmission time interval	Reference to TS34.108 clause 6.10 Parameter Set
- Type of channel coding	Reference to TS34.108 clause 6.10 Parameter Set
- Coding Rate	Reference to TS34.108 clause 6.10 Parameter Set
- Rate matching attribute	Reference to TS34.108 clause 6.10 Parameter Set
- CRC size CHOICE mode	Reference to TS34.108 clause 6.10 Parameter Set
	TDD (no data)
DL Transport channel information common for all transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	TDD
- Downlink DPCH info common for all RL	
- Downlink DPCH into continion for all RL - Timing indicator	Maintain
- CFN-targetSFN frame offset	Not Present
- Downlink DPCH power control information	Hot I loom
- CHOICE mode	TDD
- TPC step size	1 dB
- Default DPCH offset value	0
Deleted TrCH information list	Not Present
Added or Reconfigured TrCH information list	
- Added or Reconfigured DL TrCH information	
- Downlink transport channel type	DCH
- DL Transport channel identity	6
- CHOICE DL parameters	Explicit
- TFS	'
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport format information	(This IE is repeated for TFI number)
- RLC Size	Reference to TS34.108 clause 6.10 Parameter Set
- Number of TBs and TTI List	(This IE is repeated for TFI number.)
- Transmission Time Interval	Not Present
- Number of Transport blocks	Reference to TS34.108 clause 6.10 Parameter Set
- CHOICE Logical Channel list	ALL
<u> </u>	•

- SCTD indicator - Downlink DPCH info for each RL

Information Element Value/remark - Semi-static Transport Format information - Transmission time interval Reference to TS34.108 clause 6.10 Parameter Set - Type of channel coding Reference to TS34.108 clause 6.10 Parameter Set - Coding Rate Reference to TS34.108 clause 6.10 Parameter Set - Rate matching attribute Reference to TS34.108 clause 6.10 Parameter Set - CRC size Reference to TS34.108 clause 6.10 Parameter Set - DCH quality target - BLER Quality value -6.3 - Transparent mode signalling info Not Present Frequency info -CHOICE mode - UARFCN (Nt) Reference to clause 5.1 Test frequencies Maximum allowed UL TX power 30 dBm CHOICE channel requirement Uplink DPCH info - Uplink DPCH power control info - CHOICE mode **TDD** - UL Target SIR Reference to TS34.108 Parameter set. - CHOICE UL OL PC info Individually signalled Not Present - Uplink Timing Advance Control - UL CCTrCH List - TFCS Id - Time info - Activation time (256+CFN-(CFN MOD 8 + 8))MOD 256 - Duration - Common timeslot info - 2nd interleaving mode Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set - TFCI coding - Puncturing Limit Reference to TS34.108 clause 6.10 Parameter Set - Repetition Period Reference to TS34.108 clause 6.10 Parameter Set - Repetition Length Reference to TS34.108 clause 6.10 Parameter Set - First individual timeslot info - Timeslot number The number of an uplink timeslot that has unassigned codes. - TFCI existence **TRUE** - Midamble shift and burst type -CHOICE Burst Type -Type 1 -Midamble Allocation Mode Default - Midamble configuration burst As defined in 3GPP TS 25,221 type 1 and 3 - First timeslot channelisation codes Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set. - Channelisation code (i/SF) where i denotes an unassigned code matching the SF specified in TS34.108 clause 6 Parameter Set. The presence of this IE depends upon the - CHOICE more timeslots number of resources specified in TS34.108 section 6 and the number of slots in which they are being assigned. Downlink information common for all radio links - Downlink DPCH info common for all RL - Timing indicator Maintain - CFN-targetSFN frame offset Not Present - Downlink DPCH power control information - DPC mode 0 (single) - CHOICE mode **TDD** (no data) - Default DPCH Offset Value Not Present Downlink information for each radio link list - Downlink information for each radio link - Choice mode TDD - Primary CCPCH info - CHOICE SyncCase Sync Case 1 - Timeslot PCCPCH timeslot - Cell parameters ID

Information Element	Value/remark
- CHOICE mode	TDD
- DL CCTrCH List	100
- TFCS ID	1
- Time info	
- Activation time	(256+CFN-(CFN mod 8 + 8))mod 256
- Duration	infinite
- Common timeslot info	i i i i i i i i i i i i i i i i i i i
- 2nd interleaving mode	Reference to TS34.108
- TFCI coding	TRUE
- Puncturing limit	Reference to TS34.108 clause 6 Parameter set
- Repetition period	1
- Repetition length	Empty
- Downlink DPCH timeslots and codes	Linpty
- Individual timeslot info	
- Timeslot number	The number of a downlink timeslot that has
Timesiot number	unassigned codes.
- TFCI existence	TRUE
- Midamble shift and burst type	11102
-CHOICE Burst Type	
-Type 1	
-Midamble Allocation Mode	Default
- Midamble configuration burst	As defined in 3GPP TS 25.221
type 1 and 3	7.0 4004 00. 1 10 20.22 .
- First timeslot channelisation codes	
- First channelisation code	(i/SF) where i is the lowest numbered code
	that is being assigned and SF is specified in
	TS34.108 clause 6 Parameter Set
- Last channelisation code	(j/SF) where j is the highest numbered code
	that is being assigned in the slot.
- Bitmap	Bitmap of the codes that are being assigned in
·	the slot.
- CHOICE more timeslots	The presence of this IE depends upon whether
	the requirements of TS34.108 clause 6
	Parameter Set could be met by the codes that
	have been assigned in the first timeslot
LIL COT OLL TROLL:	N. 15
- UL CCTrCH TPC List	Not Present
-SCCPCH information for FACH	Not Present

Uplink counter synchronisation info

Contents of RADIO BEARER SETUP COMPLETE message: AM

Message Type RRC transaction identifier Checked to see if the value is identical to the same IE in the downlink RADIO BEARER SETUP message. The presence of this IE is dependent on IXIT statements Integrity check info in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent. - Message authentication code This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS. This IE is checked to see if it is present. The value is used - RRC Message sequence number by SS to compute the XMAC-I value. Not checked. Uplink integrity protection activation info CHOICE mode TDD **START** Not checked COUNT-C activation time The presence of this IE depends on the following 2 factors: (a) There exists RB(s) mapped to RLC-TM and (b) UE is transiting to CELL_DCH state after the RB establishment procedure. Else, this IE is absent. If ciphering is not activated in RADIO BEARER SETUP Radio bearer uplink ciphering activation time info message, this IE must be absent. Else, SS checks this IE for the presence of activation times of all ciphered uplink

RLC-UM and RLC-AM RBs.

Not checked

Contents of RADIO BEARER RELEASE COMPLETE message: AM

Message Type	
RRC transaction identifier	Checked to see the value is identical to the same IE in the downlink RADIO BEARER RELEASE message.
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
Uplink integrity protection activation info	Not checked.
CHOICE mode	TDD
COUNT-C activation time	The presence of this IE depends on the following 2 factors: (a) There exists RB(s) mapped to RLC-TM and (b) UE is transiting to CELL_DCH state after the RB release procedure. Else, this IE is absent.
Radio bearer uplink ciphering activation time info	If ciphering is not activated in RADIO BEARER RELEASE message, this IE must be absent. Else, SS checks this IE for the presence of activation times of all ciphered uplink RLC-UM and RLC-AM RBs.
Uplink counter synchronisation info	Not checked

Contents of RRC CONNECTION REQUEST message: TM

Information Element	Value/remark
Message Type	
Initial UE identity	
- CHOICE UE id type	
- IMSI (GSM-MAP)	Set to the UE's IMSI (GSM-MAP) or TMSI.
Establishment cause	To be checked against requirement if specified
Protocol error indicator	FALSE
Measured results on RACH	Not checked

Contents of RRC CONNECTION RELEASE message: UM

Information Element	Value/remark
Message Type	
U-RNTI	This IE is set to the following value when the message is transmitted on the CCCH. When transmitted on DCCH, this is absent.
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
RRC transaction identifier	0
Integrity check info	The presence of this IE depends on 2 factors:
	(a) IXIT statements in TS 34.123-2: If integrity protection
	is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
	(b) This IE is present when this message is transmitted on downlink DCCH. Else, this IE and the sub-IEs are omitted.
- Message authentication code	SS calculates the value of MAC-I for this message and writes to this IE.
- RRC Message sequence number	SS provides the value of this IE, from its internal counter.
N308	2 (for CELL_DCH state). Not Present (for UE in other connected mode states).
Release cause	Normal event
Rplmn information	Not Present

Contents of RRC CONNECTION RELEASE COMPLETE message: AM or UM

Information Element	Semantics description
Message Type	
RRC transaction identifier	The value of this IE is checked to see that it matches the
	value of the same IE transmitted in the downlink RRC
	CONNECTION RELEASE message.
Integrity check info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If integrity protection is indicated to be
	active, this IE shall be present with the values of the sub
	IEs as stated below. Else, this IE and the sub-IEs shall be
	absent.
 Message authentication code 	Checked to see if it's identical to the value of XMAC-I
	calculated by the SS
- RRC Message sequence number	Checked to see if it is present. This number is used by
	the SS to compute the XMAC-I
Error indication	Not checked

Contents of RRC CONNECTION SETUP message: UM (Transition to CELL_DCH)

Information Element	Value/remark
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in received RRC CONNECTION REQUEST" message
RRC transaction identifier	0
Activation time	Not Present(Now)
New U-RNTI	
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	Not Present
RRC State Indicator	CELL_DCH
UTRAN DRX cycle length coefficient	9
Capability update requirement	Not Present
 UE radio access FDD capability 	FALSE
update requirement	
 UE radio access TDD capability 	TRUE
update requirement	
- System specific capability update requirement list	gsm

457

1.6	No. 1
Information Element	Value/remark
Signalling RB information to setup	(UM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info - CHOICE Uplink RLC mode	UM RLC
- Transmission RLC discard	Not Present
- Halisillission Neo discald	NOUT 1636HL
- CHOICE Downlink RLC mode	UM RLC
- RB mapping info	S 1.25
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
 Number of RLC logical channels 	1
 Uplink transport channel type 	DCH
 UL Transport channel identity 	5
- Logical channel identity	1
- CHOICE RLC size list	Configured
- MAC logical channel priority	1
 Downlink RLC logical channel info Number of RLC logical channels 	
Downlink transport channel type	1 DCH
- DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
 UL Transport channel identity 	Not Present
 Logical channel identity 	1
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6 for standalone 13.6 kbps
MAO la sia al abanca la sia situ	signalling radio bearer
- MAC logical channel priority	2
 Downlink RLC logical channel info Number of RLC logical channels 	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
Signalling RB information to setup	(AM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	No Discord
- SDU discard mode	No Discard
- MAX_DAT	415
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not present
	· · · ·

Information Element	Value/remark
- Poll_SDU	1
 Last transmission PDU poll 	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Window	99
Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	2 DDM:y/Ontions
- Information for each multiplexing option	2 RBMuxOptions Not Present
- RLC logical channel mapping indicator	1
 Number of RLC logical channels Uplink transport channel type 	DCH
- UL Transport channel identity	5
- OE Transport channel identity - Logical channel identity	
- CHOICE RLC size list	Configure
MAC logical channel priority	2
- Downlink RLC logical channel info	-
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
 UL Transport channel identity 	Not Present
- Logical channel identity	2
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6 for standalone 13.6 kbps
	signalling radio bearer
 MAC logical channel priority 	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	(ANA DOCUL for NACE DT High priority)
Signalling RB information to setup	(AM DCCH for NAS_DT High priority) Not Present
RB identityCHOICE RLC info type	Not Flesent
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	/ WINE
- SDU discard mode	No Discard
- MAX_DAT	415
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
 Timer_poll_prohibit 	200
- Timer_poll	200
- Poll_PDU	Not present
	·

Information Element	Value/remark
- Poll_SDU	1
 Last transmission PDU poll 	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	000
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	2 PPMuvOntions
- Information for each multiplexing option	2 RBMuxOptions Not Present
 RLC logical channel mapping indicator Number of RLC logical channels 	1
Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	3
- CHOICE RLC size list	Configured
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
 UL Transport channel identity 	Not Present
 Logical channel identity 	3
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6 for standalone 13.6 kbps
	signalling radio bearer
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present 3
 Logical channel identity Signalling RB information to setup 	(AM DCCH for NAS_DT Low priority)
- RB identity	Not Present
- RB identity - CHOICE RLC info type	INOLITESEIL
- RLC info	
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	/ (WI IVEO
- SDU discard mode	No discard
- MAX_DAT	415
···· · · <u>-</u> - · · ·	•••
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
 Timer_poll_prohibit 	200
- Timer_poll	200
- Poll_PDU	Not present
	'

Information Flowant	Valuatromorte
Information Element	Value/remark
- Poll_SDU	1 TRUE
- Last transmission PDU poll	TRUE
Last retransmission PDU pollPoll_Windows	TRUE
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	120
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
 Uplink transport channel type 	DCH
 UL Transport channel identity 	5
 Logical channel identity 	4
- CHOICE RLC size list	Configured
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1 BACH
- Uplink transport channel type	RACH Not Present
- UL Transport channel identity - Logical channel identity	Not Present
- CHOICE RLC size list	Explicit List
- RLC size index	According to TS34.108 clause 6 for standalone 13.6 kbps
- INLO SIZE IIIUEX	signalling radio bearer
- MAC logical channel priority	5
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
UL Transport channel information for all transport	
channels	
- PRACH TFCS	Not Present
- CHOICE mode	TDD
-Individual UL CCTrCH information	
- TFCS ID	(This IE is repeated for TFC number.)
- Allowed Transport Format combination	0 to MaxTFCvalue-1 (MaxTFCValue is refer to
DDACH TEGG	TS34.108 clause 6 Parameter Set.)
- PRACH TFCS	(This IE is repeated for TFC number.)
- CHOICE TFCI signalling	Normal
- TFCI Field 1 information - TFCS complete reconfigure	
information	
- CHOICE TFCS Size	Number of used bits must be enough to cover
3.10102 11 00 0120	all combinations of CTFC from clauses 6.
	Refer to TS34.108 clause 6 Parameter Set
- CTFC information	Not Present
- CHOICE mode	TDD
- Individual UL CCTrCH information	Not Present
Deleted TrCH information list	Not Present
Added or Reconfigured UL TrCH information	
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- TFS	

Information Element

- CHOICE Transport channel type
- Dynamic Transport format information
- RLC size
- Number of TBs and TTI lists
- Transmission Time Interval
- Number of Transport blocks
- CHOICE Logical channel list
- Semi-static Transport Format information
- Transmission time interval
- Type of channel coding
- Coding Rate
- Rate matching attribute
- CRC size

DL Transport channel information common for all transport channel

- SCCPCH TFCS
- CHOICE mode
- CHOICE DL parameters

Added or Reconfigured TrCH information list

- Added or Reconfigured DL TrCH information
 - Downlink transport channel type
 - DL Transport channel identity
 - CHOICE DL parameters
 - Uplink transport channel type

 - UL Transport channel identity
 - -DCH quality target
 - BLER Quality target

Frequency info

Maximum allowed UL TX power

HOICE channel requirement

- Uplink DPCH power control info
 - CHOICE mode
 - UL Target SIR
 - CHOICE UL OL PC info
 - Uplink Timing Advance Control
 - UL CCTrCH List
 - TFCS Id
 - Time info
 - Activation time
 - Duration
 - Common timeslot info
 - 2nd interleaving mode
 - TFCI coding
 - Puncturing Limit
 - Repetition Period
 - Repetition Length
 - First individual timeslot info
 - Timeslot number
 - TFCI existence
 - Midamble shift and burst type
 - -CHOICE Burst Type
 - -Type 1
 - -Midamble Allocation Mode
 - Midamble configuration burst

type 1 and 3

- First timeslot channelisation codes

Value/remark

Dedicated transport channels

According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer

(This IE is repeated for TFI number)

According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer

According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer

According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer

According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer

According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer

According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer

According to TS34.108 clause 6 for standalone 13.6 kbps signalling radio bearer

Not Present

TDD

Same as UL

DCH

10

Same as UL

DCH

5

-6.3

Not Present Not Present

Uplink DPCH info

Reference to TS34.108 Parameter set.

Individually signalled

Not Present

1

(256+CFN-(CFN MOD 8 + 8))MOD 256

Reference to TS34.108 clause 6.10 Parameter Set Reference to TS34.108 clause 6.10 Parameter Set

Reference to TS34.108 clause 6.10 Parameter Set

Reference to TS34.108 clause 6.10 Parameter Set

Reference to TS34.108 clause 6.10 Parameter Set

The number of an uplink timeslot that has unassigned codes.

TRUE

Default

As defined in 3GPP TS 25.221

Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS34.108 clause 6 Parameter Set.

Information Element	Value/remark
- Channelisation code	(i/SF) where i denotes an unassigned code
	matching the SF specified in TS34.108 clause
CLICICE many time solete	6 Parameter Set.
- CHOICE more timeslots	The presence of this IE depends upon the number of resources specified in TS34.108
	section 6 and the number of slots in which they
	are being assigned.
Downlink information common for all radio links	
- Downlink DPCH info common for all RL	
- Timing indicator	Maintain
- CFN-targetSFN frame offset - Downlink DPCH power control information	Not Present
- DPC mode	0 (single)
- CHOICE mode	TDD (no data)
- Default DPCH Offset Value	Not Present
Downlink information for each radio link list	
- Downlink information for each radio link	TDD
- Choice mode - Primary CCPCH info	TDD
- CHOICE SyncCase	Sync Case 1
- Timeslot	PCCPCH timeslot
- Cell parameters ID	0
- SCTD indicator	
- Downlink DPCH info for each RL	TDD
- CHOICE mode - DL CCTrCH List	TDD
- TFCS ID	1
- Time info	i e
- Activation time	(256+CFN-(CFN mod 8 + 8))mod 256
- Duration	infinite
- Common timeslot info	D (T00//00
- 2nd interleaving mode	Reference to TS34.108 TRUE
- TFCI coding - Puncturing limit	Reference to TS34.108 clause 6 Parameter set
- Repetition period	1
- Repetition length	Empty
 Downlink DPCH timeslots and codes 	
- Individual timeslot info	
- Timeslot number	The number of a downlink timeslot that has unassigned codes.
- TFCI existence	TRUE
- Midamble shift and burst type	
-CHOICE Burst Type	
-Type 1	
-Midamble Allocation Mode	Default As defined in 3GPP TS 25,221
- Midamble configuration burst type 1 and 3	AS UCIII CU III SUFF 13 23.221
- First timeslot channelisation codes	
- First channelisation code	(i/SF) where i is the lowest numbered code
	that is being assigned and SF is specified in
last last to the state of	TS34.108 clause 6 Parameter Set
- Last channelisation code	(j/SF) where j is the highest numbered code
- Bitmap	that is being assigned in the slot. Bitmap of the codes that are being assigned in
υπιαρ	the slot.
- CHOICE more timeslots	The presence of this IE depends upon whether
	the requirements of TS34.108 clause 6
	Parameter Set could be met by the codes that
	have been assigned in the first timeslot
- UL CCTrCH TPC List	Not Present
-SCCPCH information for FACH	Not Present

Contents of RRC CONNECTION SETUP COMPLETE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	The value of this IE is checked to see that it matches the value of the same IE transmitted in the downlink RRC CONNECTION SETUP message.
START list	Not checked
UE radio access capability	Not checked
UE radio access capability extension	Not checked
UE system specific capability	Not checked

Contents of SECURITY MODE COMMAND message: AM

Information Element	Value/remark
Message Type	Value/Terrial K
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	7 inditioning delected art integer between a und a
- Message authentication code	Set to an arbitrarily selected 32-bits integer
- RRC Message Sequence Number	Set to an arbitrarily selected integer between 0 and 15
Security capability	det to air aizmain) colocioù integer zonnoon e ana re
- Ciphering algorithm capability	
- UEA0	If ciphering is not indicated to be active on IXIT
	statements in TS 34.123-2, set this IE to TRUE.
- UEA1	If ciphering is indicated to be active on IXIT statements in
	TS 34.123-2, set this IE to TRUE.
- Spare	FALSE
 Integrity protection algorithm capability 	000000000000010B (UIA1)
- UIA1	TRUE
- Spare	FALSE
Ciphering mode info	This presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If ciphering is indicated to be active, this
	IE present with the values of the sub IEs as stated below.
	Else, this IE is omitted.
 Ciphering mode command 	Start/restart
- Ciphering algorithm	Use the same ciphering algorithm specified in "ciphering
	algorithm capability" IE in this message.
 Ciphering activation time for DPCH 	Not Present
 Radio bearer downlink ciphering activation time 	
info	
- Radio bearer activation time	
- RB identity	1
- RLC sequence number	Current RLC SN+2
- RB identity	2
- RLC sequence number	Current RLC SN+2
- RB identity	3
- RLC sequence number	Current RLC SN + 2
- RB identity	4
- RLC sequence number	Current RLC SN + 2
Integrity protection mode info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-32. If integrity protection is indicated to be
	active, this IE is present with the values of the sub IEs as
Integrity protection made command	stated below. Else, this IE and the sub-IEs are omitted.
Integrity protection mode command Downlink integrity protection activation info	Start Not Procent
Downlink integrity protection activation info Integrity protection algorithm	Not Present UIA1
 Integrity protection algorithm Integrity protection initialisation number 	SS selects an arbitrary 32 bits number for FRESH
- Integrity protection initialisation number CN domain identity	Supported domain
UE system specific security capability	Not Checked
OE system specific security capability	NOT CHECKED

Contents of SECURITY MODE COMPLETE message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	The value of this IE is checked to see that it matches the
	value of the same IE transmitted in the downlink
	SECURITY MODE COMMAND message.
Integrity check info	The presence of this IE is dependent on IXIT statements
	in TS 34.123-2. If integrity protection is indicated to be
	active, this IE shall be present with the values of the sub
	IEs as stated below. Else, this IE and the sub-IEs shall be
	absent.
- Message authentication code	This IE is checked to see if it is present. The value is
	compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used
	by SS to compute the XMAC-I value.
Uplink integrity protection activation info	Not checked.
Radio bearer uplink ciphering activation time info	If ciphering is not activated in SECURITY MODE
	COMMAND message, this IE must be absent. Else, SS
	checks this IE for the presence of activation times for all
	ciphered uplink RLC-UM and RLC-AM RBs.

Contents of UPLINK DIRECT TRANSFER message: AM

Information Element	Value/remark
Message Type	
Integrity check info	The presence of this IE is dependent on IXIT statements in TS 34.123-2. If integrity protection is indicated to be active, this IE shall be present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs shall be absent.
- Message authentication code	This IE is checked to see if it is present. The value is compared against the XMAC-I value computed by SS.
- RRC Message sequence number	This IE is checked to see if it is present. The value is used by SS to compute the XMAC-I value.
CN domain identity	Checked to see if set to supported CN domain as specified in the IXIT statements
NAS message	Set according to that indicated in specific message content clause
Measured results on RACH	Not checked

9.2 Default Message Contents for RF

This clause contains the default values of common messages for RF test. The parameters of the UL/DL reference measurement channel 12.2kbps and UE test loop mode 1 without Dummy DCCH transmission are set to default message contents.

Contents of Activate RB Test Mode message

Information Element	Value/remark	
Protocol discriminator	F (Length 1/2)	
Skip indicator	0 (Length 1/2)	
Message Type	44h	

Contents of Close UE Test Loop message

Information Element	Value/remark	
Protocol discriminator	F (Length 1/2)	
Skip indicator	0 (Length 1/2)	
Message Type	40h	
UE test loop mode	00h	
UE test loop mode 1 LB setup	03h 00h F4h 0Ah	

Contents of Open UE Test Loop message

Information Element	Value/remark	
Protocol discriminator	F (Length 1/2)	
Skip indicator	0 (Length 1/2)	
Message Type	42h	

Contents of PAGING TYPE 1 message: TM (CS)

Information Element	Value/remark	
Message Type		
Paging record list		
-Paging record		
- CHOICE Used paging identity	CN identity	
- Paging cause	Terminating Streaming Call	
- CN domain identity	CS domain	
- CHOICE UE identity		
- IMSI (GSM-MAP)	Set to the same octet string as in the IMSI stored in the	
	USIM card	
BCCH modification info	Not Present	

Contents of PAGING TYPE 1 message: TM (PS)

Information Element	Value/remark	
Message Type		
Paging record list		
-Paging record		
- CHOICE Used paging identity	CN identity	
- Paging cause	Terminating Interactive Call	
- CN domain identity	PS domain	
- CHOICE UE identity		
- IMSI (GSM-MAP)	Set to the same octet string as in the IMSI stored in the	
	USIM card	
BCCH modification info	Not Present	

Contents of RADIO BEARER SETUP message: AM or UM

Information Element	Condition	Value/remark
Message Type	A1,A3	
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3
Integrity check info		The presence of this IE is dependent on IXIT
		statements in TS 34.123-2. If integrity
		protection is indicated to be active, this IE is
		present with the values of the sub IEs as
		stated below. Else, this IE and the sub-IEs are
		omitted.
- message authentication code		SS calculates the value of MAC-I for this
- message admentication code		message and writes to this IE.
- RRC message sequence number		SS provides the value of this IE, from its
- KKC message sequence number		internal counter.
Integrity protection made info		
Integrity protection mode info		Not Present
Ciphering mode info		Not Present
Activation time		(256+CFN-(CFN MOD 8 + 8))MOD 256
New U-RNTI		Not Present
New C-RNTI		Not Present
New DSCH-RNTI		Not Present
RRC State indicator		CELL_DCH
UTRAN DRX cycle length coefficient		Not Present
CN information info		Not Present
URA identity		Not Present
Signalling RB information to setup		Not Present
RAB information for setup list	A1	
- RAB information for setup		
- RAB info		
- RAB identity		0000 0001B
- CN domain identity		CS domain
- NAS Synchronization Indicator		Not Present
- Re-establishment timer		UseT314
- RB information to setup list		3331311
- RB information to setup		
- RB identity		10
- PDCP info		Not Present
- CHOICE RLC info type		RLC info
- CHOICE Uplink RLC mode		TM RLC
- Transmission RLC discard		Not Present
- Segmentation indication		FALSE
- CHOICE Downlink RLC mode		TM RLC
		FALSE
- Segmentation indication		FALSE
- RB mapping info		
- Information for each multiplexing option		Not Decemb
- RLC logical channel mapping indicator		Not Present
- Number of uplink RLC logical channels		1
- Uplink transport channel type		DCH
 UL Transport channel identity 		1
 Logical channel identity 		Not Present
- CHOICE RLC size list		Configured
 MAC logical channel priority 		7
- Downlink RLC logical channel info		
 Number of downlink RLC logical channels 		1
 Downlink transport channel type 		DCH
 DL DCH Transport channel identity 		6
 DL DSCH Transport channel identity 		Not Present
- Logical channel identity		Not Present
RAB information for setup list	A3	
- RAB information for setup		
- RAB info		
- RAB identity		0000 0101B
- CN domain identity		PS domain
- NAS Synchronization Indicator		Not Present
- Re-establishment timer		UseT314
- RB information to setup list		
- RB information to setup		
- RB identity		20
1 TO MOTHERY	I	1

Information Element	Condition	Value/remark
- PDCP info	Condition	Not Present
- CHOICE RLC info type		RLC info
- CHOICE RLC into type - CHOICE Uplink RLC mode		AM RLC
- Transmission RLC discard		AWI NEC
		No Discard
- CHOICE SDU discard mode		15
- MAX_DAT		
- Transmission window size		128
- Timer_RST		500
- Max_RST		4
- Polling info		000
- Timer_poll_prohibit		200
- Timer_poll		200
- Poll_PDU		Not Present
- Poll_SDU		1
- Last transmission PDU poll		TRUE
- Last retransmission PDU poll		TRUE
- Poll_Windows		99
- Timer_poll_periodic		Not Present
- CHOICE Downlink RLC mode		AM RLC
- In-sequence delivery		TRUE
- Receiving window size		128
- Downlink RLC status info		
- Timer_status_prohibit		200
- Timer_EPC		200
- Missing PDU indicator		TRUE
- Timer_STATUS_periodic		Not Present
- RB mapping info		
 Information for each multiplexing option 		2RBMuxOptions
 RLC logical channel mapping indicator 		Not Present
 Number of uplink RLC logical channels 		1
 Uplink transport channel type 		DCH
 UL Transport channel identity 		1
- Logical channel identity		Not Present
- CHOICE RLC size list		Configured
- MAC logical channel priority		8
- Downlink RLC logical channel info		
 Number of downlink RLC logical channels 		1
- Downlink transport channel type		DCH
- DL DCH Transport channel identity		6
- DL DSCH Transport channel identity		Not Present
- Logical channel identity		Not Present
- RLC logical channel mapping indicator		Not Present
- Number of uplink RLC logical channels		1
- Uplink transport channel type		RACH
- UL Transport channel identity		Not Present
- Logical channel identity		7
- CHOICE RLC size list		Explicit List
- RLC size index		Reference to TS34.108 clause 6 Parameter
		Set
- MAC logical channel priority		6
- Downlink RLC logical channel info		
- Number of downlink RLC logical channels		1
- Downlink transport channel type		FACH
- DL DCH Transport channel identity		Not Present
- DL DSCH Transport channel identity		Not Present
- Logical channel identity		Not Present
RB information to be affected list	A1,A3	Not Present
Downlink counter synchronisation info	,	Not Present
UL Transport channel information for all transport	A1,A3	
channels	,,	
- PRACH TFCS		Not Present
- CHOICE mode		FDD
- TFC subset		Not Present
- UL DCH TFCS		1.5.7 100011
- CHOICE TFCI signalling		Normal
- TFCI Field 1 information		Homia
- CHOICE TFCS representation		Complete reconfiguration
- OHOIOL H OO IEPIESEHIAIIOH		Dompiete reconniguration

Information Element	Condition	Value/remark
- TFCS complete reconfigure information		20 20 20 20 20
- CHOICE CTFC Size	1	2 bit CTFC
- CTFC information	1	4 TFCs
- 2bit CTFC		0
- Power offset Information	1	
- CHOICE Gain Factors	1	Computed Gain Factors
- Reference TFC ID		0
- CHOICE mode		FDD
- Power offset P _{p-m} - 2bit CTFC		Not Present 2
- 2011 CTPC - Power offset Information		2
- CHOICE Gain Factors		Computed Gain Factors
- Reference TFC ID		0
- CHOICE mode		FDD
- Power offset P _{p-m}		Not Present
- 2bit CTFC		1
- Power offset Information		
- CHOICE Gain Factors		Computed Gain Factors
- Reference TFC ID		0
- CHOICE mode	1	FDD
- Power offset P _{p-m} - 2bit CTFC		Not Present 3
		3
Power offset Information CHOICE Gain Factors	1	Signalled Gain Factors
- CHOICE Gain Factors - CHOICE mode		FDD
- Gain factor ßc		8
- Gain factor ßd		15
- Reference TFC ID		0
- CHOICE mode		FDD
- Power offset P _{p-m}		Not Present
Deleted UL TrCH information list		Not Present
Added or Reconfigured UL TrCH information list - Added or Reconfigured UL TrCH information	A1, A3	1
- Uplink transport channel type		DCH
- UL Transport channel identity		1
- TFS		
- CHOICE Transport channel type		Dedicated transport channels
- Dynamic Transport Format Information		244 hita
- RLC size - Number of TBs and TTI List		244 bits 2
- Transmission Time Interval		Not Present
- Number of Transport blocks		0
- Transmission Time Interval		Not Present
- Number of Transport blocks	1	1
- CHOICE Logical Channel List	1	ALL
- Semi-static Transport Format Information	1	
- Transmission time interval - Type of channel coding	1	20 Convolutional
- Type of channel coding - Coding Rate	1	1/3
- Rate matching attribute	1	256
- CRC size	1	16
CHOICE mode	A1, A3	FDD
- CPCH set ID	1	Not Present
- Added or Reconfigured TrCH information for DRAC	1	Not Present
list	A4 A2	
DL Transport channel information common for all transport channel	A1,A3	
- SCCPCH TFCS	1	Not Present
- CHOICE mode		FDD
- CHOICE DL parameters	<u>1 </u>	Same as UL
Deleted DL TrCH information list	A1,A3	Not Present
Added or Reconfigured DL TrCH information list	1	1
- Added or Reconfigured DL TrCH information	1	
- Downlink transport channel type	1	DCH
- DL Transport channel identity		6 Sama as III
- CHOICE DL parameters		Same as UL

Information Element	Condition	Value/remark
- Uplink transport channel type	30	DCH
- UL TrCH identity		1
- DCH quality target		
- BLER Quality value		-2.0
- Transparent mode signalling info		Not Present
Frequency info	A1,A3	Not Present
Maximum allowed UL TX power		33dBm
CHOICE channel requirement - Uplink DPCH power control info		Uplink DPCH info
- CHOICE mode		FDD
- DPCCH power offset		-6dB
- PC Preamble		1 frame
- SRB delay		7 frames
- Power Control Algorithm		Algorithm1
- TPC step size		1dB
- CHOICE mode		FDD
- Scrambling code type - Scrambling code number		Long 0 (0 to 16777215)
- Number of DPDCH		1
- spreading factor		64
- TFCI existence		TRUE
- Number of FBI bit		Not Present(0)
- Puncturing Limit		1
CHOICE Mode		FDD
- Downlink PDSCH information		Not Present
Downlink information common for all radio links	A1,A3	
- Downlink DPCH info common for all RL - Timing indicator		Maintain
- CFN-targetSFN frame offset		Not Present
- Downlink DPCH power control information		Not Frederic
- CHOICE mode		FDD
- DPC mode		0 (single)
- CHOICE mode		FDD
- Power offset P _{Pilot-DPDCH}		0
- DL rate matching restriction information		Not Present
- Spreading factor - Fixed or Flexible Position		128 Fixed
- TFCI existence		TRUE
- CHOICE SF		128
- Number of bits for Pilot bits		8
- CHOICE mode		FDD
- DPCH compressed mode info		Not Present
- TX Diversity mode		None
- SSDT information		Not Present
- Default DPCH Offset Value	A4 A2	Not Present
Downlink information for per radio link list - Downlink information for each radio link	A1,A3	
- CHOICE mode		FDD
- Primary CPICH info		
- Primary scrambling code		100
- PDSCH with SHO DCH info		Not Present
- PDSCH code mapping		Not Present
- Downlink DPCH info for each RL		500
- CHOICE mode		FDD
 Primary CPICH usage for channel estimation DPCH frame offset 		Primary CPICH may be used 0 chips
- Secondary CPICH info		Not Present
- DL channelisation code		1.5.7 1000.10
- Secondary scrambling code		1
- Spreading factor		128
- Code number		0
- Scrambling code change		No change
- TPC combination index		0 Net Breezent
- SSDT Cell Identity Classed loop timing adjustment mode		Not Present
Closed loop timing adjustment mode SCCPCH information for FACH		Not Present Not Present
- GOOF OFF INIONINATION FACE	l .	NOLFICOCIIL

Co	ondition	Explanation
A1		This IE is needed for transparent mode. In the case of TX and RX test cases, this IE is
		selected.
A3		This IE is needed for acknowledged mode.
NOTE: In the case of Performance Requirement and RRM test cases, A1 or A3 is selected according to the		
combination of UL and DL channels or test requirements.		

Contents of RRC CONNECTION RELEASE message: UM

Information Element	Value/remark
Message Type	
U-RNTĬ	This IE is set to the following value when the message is transmitted on the CCCH. When transmitted on DCCH, this is absent.
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	The presence of this IE depends on 2 factors:
	(a) IXIT statements in TS 34.123-2: If integrity protection is indicated to be active, this IE is present with the values of the sub IEs as stated below. Else, this IE and the sub-IEs are omitted.
	(b) This IE is present when this message is transmitted on downlink DCCH. Else, this IE and the sub-IEs are omitted.
- Message authentication code	SS calculates the value of MAC-I for this message and writes to this IE.
- RRC Message sequence number	SS provides the value of this IE, from its internal counter.
N308	2 (for CELL_DCH state). Not Present (for UE in other connected mode states).
Release cause	Normal event
Rplmn information	Not Present

Contents of RRC CONNECTION SETUP message: UM

Information Element	Value/remark
Message Type	
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in
	received RRC CONNECTION REQUEST" message
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Activation time	Not Present(Now)
New U-RNTI	, , ,
- SRNC identity	0000 0000 0001B
- S-RNTI	0000 0000 0000 0000 0001B
New C-RNTI	Not Present
RRC State Indicator	CELL_DCH
UTRAN DRX cycle length coefficient	9
Capability update requirement	
- UE radio access FDD capability update	TRUE
requirement	
- UE radio access TDD capability update	FALSE
requirement	
 System specific capability update requirement list 	Gsm
Signalling RB information to setup list	4 SRBs
- Signalling RB information to setup	(UM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	RLC info
- CHOICE Uplink RLC mode	UM RLC
- Transmission RLC discard	Not Present
- CHOICE Downlink RLC mode	UM RLC
- RB mapping info	
 Information for each multiplexing option 	2 RBMuxOptions
 RLC logical channel mapping indicator 	Not Present
 Number of RLC logical channels 	1
 Uplink transport channel type 	DCH
 UL Transport channel identity 	5
- Logical channel identity	1
- CHOICE RLC size list	Configured
- MAC logical channel priority	1
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	1
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	1
- CHOICE RLC size list	Configured
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	2
Downlink RLC logical channel info	-
Number of RLC logical channels	1
Number of REC logical charmers Downlink transport channel type	FACH
	Not Present
- DL DCH Transport channel identity	
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	(AM DOOLL for DDO)
- Signalling RB information to setup	(AM DCCH for RRC)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	

Information Element	Value/remark
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
 Last retransmission PDU poll 	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	Configured
- CHOICE RLC size list	Configured
- MAC logical channel priority - Downlink RLC logical channel info	2
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	2
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	2
- Signalling RB information to setup	(AM DCCH for NAS_DT High priority)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	
- CHOICE Uplink RLC mode	AM RLC

Information Element	Value/remark
- Transmission RLC discard	
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
 Last retransmission PDU poll 	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
-UL Transport channel identity	5
- Logical channel identity	3
- CHOICE RLC size list	Configured
- MAC logical channel priority	3
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	3
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	3
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	4
- Downlink RLC logical channel info	4
- Number of RLC logical channels	FACH
- Downlink transport channel type	FACH Not Present
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	(AM DCCH for NAS, DT Low priority)
- Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)
- RB identity	Not Present
- CHOICE RLC info type	
- RLC info	AM PLC
- CHOICE Uplink RLC mode	AM RLC
- Transmission RLC discard	

Information Element	Value/remark
- SDU discard mode	No Discard
- MAX_DAT	15
- Transmission window size	128
- Timer_RST	500
- Max_RST	4
- Polling info	·
- Timer_poll_prohibit	200
- Timer_poll	200
- Poll_PDU	Not Present
- Poll_SDU	1
- Last transmission PDU poll	TRUE
- Last retransmission PDU poll	TRUE
- Poll_Windows	99
- Timer_poll_periodic	Not Present
- CHOICE Downlink RLC mode	AM RLC
- In-sequence delivery	TRUE
- Receiving window size	128
- Downlink RLC status info	120
- Timer_status_prohibit	200
- Timer_EPC	Not Present
- Missing PDU indicator	TRUE
- Timer_STATUS_periodic	Not Present
- RB mapping info	TOUT TOUGHT
- Information for each multiplexing option	2 RBMuxOptions
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- Logical channel identity	4
- CHOICE RLC size list	Configured
- MAC logical channel priority	4
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	DCH
- DL DCH Transport channel identity	10
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
- RLC logical channel mapping indicator	Not Present
- Number of RLC logical channels	1
- Uplink transport channel type	RACH
- UL Transport channel identity	Not Present
- Logical channel identity	4
- CHOICE RLC size list	Explicit List
- RLC size index	Reference to TS34.108 clause 6 Parameter Set
- MAC logical channel priority	5
- Downlink RLC logical channel info	
- Number of RLC logical channels	1
- Downlink transport channel type	FACH
- DL DCH Transport channel identity	Not Present
- DL DSCH Transport channel identity	Not Present
- Logical channel identity	4
UL Transport channel information for all transport	
channels	
- PRACH TFCS	Not Present
- CHOICE Mode	FDD
- TFC subset	Not Present
- UL DCH TFCS	Name
- CHOICE TFCI signalling	Normal

Information Element	Value/remark
- TFCI Field 1 information	
- CHOICE TFCS representation	Complete reconfiguration
- TFCS complete reconfiguration information	Complete recomingulation
- CHOICE CTFC Size	2 bit CTFC
- CTFC information	2 TFCs
- 2bit CTFC	0
- Power offset Information	U
- CHOICE Gain Factors	computed Coin Factors
- Reference TFC ID	computedGainFactors
- CHOICE mode	0
	FDD
- Power offset Pp-m - 2bit CTFC	Not Present
- Power offset Information	1
- CHOICE Gain Factors	signalledGainFactors
- CHOICE mode	FDD
- Gain factor ßc	15
- Gain factor ßd	15
- Reference TFC ID	0
- CHOICE mode	FDD
- Power offset Pp-m	Not Present
Added or Reconfigured UL TrCH information list	1
- Added or Reconfigured UL TrCH information	
- Uplink transport channel type	DCH
- UL Transport channel identity	5
- TFS	
- CHOICE Transport channel type	Dedicated transport channels
- Dynamic Transport Format Information	
- RLC size	96 bits
- Number of TBs and TTI List	2
- Transmission Time Interval	Not Present
- Number of Transport blocks	0
- Transmission Time Interval	Not Present
- Number of Transport blocks	1
- CHOICE Logical Channel List	ALL
- Semi-static Transport Format Information	
- Transmission time interval	40
- Type of channel coding	Convolutional
- Coding Rate	1/3
- Rate matching attribute	256
- CRC size	12
DL Transport channel information common for all	
transport channel	
- SCCPCH TFCS	Not Present
- CHOICE mode	FDD
- CHOICE DL parameters	Same as UL
Added or Reconfigured DL TrCH information list	1
- Added or Reconfigured DL TrCH information	
- Downlink transport channel type	DCH
- DL Transport channel identity	10
- CHOICE DL parameters	SameasUL
- Uplink transport channel type	DCH
- UL TrCH Identity	5
- DCH quality target	
- BLER Quality value	-2.0
=	Not Present
Frequency info	Not Present
Maximum allowed UL TX power	
CHOICE channel requirement	Uplink DPCH info
- Uplink DPCH power control info	

Information Element	Value/remark
- DPCCH power offset	-6dB
- PC Preamble	1 frame
	7 frames
- SRB delay	
- Power Control Algorithm	Algorithm1
- TPC step size	1dB
- CHOICE mode	FDD
- Scrambling code type	Long
- Scrambling code number	0 (0 to 16777215)
- Number of DPDCH	Not present (1)
- Spreading factor	256
- TFCI existence	TRUE
- Number of FBI bit	Not Present(0)
- Puncturing Limit	1
Downlink information common for all radio links	
- Downlink DPCH info common for all RL	
- Timing Indication	Initialise
- CFN-targetSFN frame offset	Not present
- Downlink DPCH power control information	
- CHOICE mode	FDD
- DPC mode	0 (single)
- CHOICE mode	FDD
- Power offset P Pilot-DPDCH	0
 DL rate matching restriction information 	Not Present
- Spreading factor	256
- Fixed or Flexible Position	Fixed
- TFCI existence	FALSE
- CHOICE SF	
- Number of bits for Pilot bits	8
- DPCH compressed mode info	Not Present
- TX Diversity mode	None
- SSDT information	Not Present
- Default DPCH Offset Value	Arbitrary set to value 0306688 by step of 512
Downlink information for per radio links list	
-Downlink information for each radio links	
- CHOICE mode	FDD
- Primary CPICH info	
- Primary scrambling code	100
- PDSCH with SHO DCH info	Not Present
- PDSCH code mapping	Not Present
- Downlink DPCH info for each RL	
- CHOICE mode	FDD
- Primary CPICH usage for channel estimation	Primary CPICH may be used
- DPCH frame offset	Set to value: Default DPCH Offset Value mod 38400
- Secondary CPICH info	Not Present
- DL channelisation code	
- Secondary scrambling code	1
- Spreading factor	256
- Code number	0
- Scrambling code change	Not present
- TPC combination index	0
- SSDT Cell Identity	Not Present
- Closed loop timing adjustment mode	Not Present
- SCCPCH information for FACH	Not Present
- GOOT OTTINIONNALION TO FACIT	INOUT TESTIL

Contents of SECURITY MODE COMMAND message: AM

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3
Integrity check info	
- Message authentication code	Set to an arbitrarily selected 32-bits integer
- RRC Message Sequence Number	Set to an arbitrarily selected integer between 0 and 15
Security capability	,
- Ciphering algorithm capability	
- UEA0	If the UE has indicated support for ciphering algorithm
	UEA0 in the IE "security capability" in the RRC
	CONNECTION SETUP COMPLETE message, this IE is
	set to TRUE.
- UEA1	If the UE has indicated support for ciphering algorithm
	UEA1 in the IE "security capability" in the RRC
	CONNECTION SETUP COMPLETE message, this IE is
	set to TRUE.
- Spare	Spare 2-15 = FALSE
 Integrity protection algorithm capability 	00000000000010B (UIA1)
- UIA1	TRUE
- Spare	Spare 0 and Spare 2-15 = FALSE
Ciphering mode info	This presence of this IE is dependent on IXIT statements in
	TS 34.123-2. If ciphering is indicated to be active, this IE
	present with the values of the sub IEs as stated below.
	Else, this IE is omitted.
- Ciphering mode command	Start/restart
- Ciphering algorithm	UEA0 or UEA1. The indicated algorithm must be one of the
	algorithms supported by the UE as indicated in the IE
	"security capability" in the RRC CONNECTION SETUP
	COMPLETE message.
- Ciphering activation time for DPCH	Not Present
- Radio bearer downlink ciphering activation time	
info	
- Radio bearer activation time	
- RB identity	1
- RLC sequence number	Current RLC SN+2
- RB identity	2
- RLC sequence number	Current RLC SN+2
- RB identity	3 0 DI 0 0N : 0
- RLC sequence number	Current RLC SN + 2
- RB identity	4
- RLC sequence number	Current RLC SN + 2
Integrity protection mode info	The presence of this IE is dependent on IXIT statements in
	TS 34.123-32. If integrity protection is indicated to be
	active, this IE is present with the values of the sub IEs as
	stated below. Else, this IE and the sub-IEs are omitted.
- Integrity protection mode command	Start Not Present
- Downlink integrity protection activation info	Not Present
- Integrity protection algorithm	UIA1
- Integrity protection initialisation number	SS selects an arbitrary 32 bits number for FRESH
CN domain identity	CS or PS
UE system specific security capability	Not Checked

Annex A (informative): System information definition using ASN.1 description

Reference: clause 6.1.

```
MasterInformationBlock
mib-ValueTag 1,
plmn-Type {
    gsm-MAP {
        plmn-Identity {
            mcc {
                MCC 0,
                MCC 0,
                MCC 1
            },
            mnc {
                MNC 1
sibSb-ReferenceList {
   SIBSb-ReferenceList {
        sibSb-Type sysInfoTypeSB1 1,
        scheduling {
            scheduling {
                segCount 1,
                sib-Pos {
                    rep16 1
            }
    SIBSb-ReferenceList {
        sibSb-Type sysInfoType1 2,
        scheduling {
            scheduling {
                segCount 1,
                sib-Pos {
                    rep128 5
            }
    SIBSb-ReferenceList {
        sibSb-Type sysInfoType2 2,
        scheduling {
            scheduling {
                segCount 1,
                sib-Pos {
                    rep128 7
            }
    SIBSb-ReferenceList {
        sibSb-Type sysInfoType3 1,
        scheduling {
            scheduling {
                segCount 1,
                sib-Pos {
                    rep64 3
            }
    SIBSb-ReferenceList {
        sibSb-Type sysInfoType4 1,
        scheduling {
            scheduling {
                segCount 1,
                sib-Pos {
                    rep64 19
```

```
}
             }
        }
    }
SysInfoTypeSB1
    sib-ReferenceList {
        {
             sib-Type sysInfoType5 : 1,
             scheduling {
                 scheduling {
                     segCount 3,
                     sib-Pos rep128 : 13,
                     sib-PosOffsetInfo {
                           so2,
                           so2
                     }
                 }
             }
             sib-Type sysInfoType6 : 1,
             scheduling {
                 scheduling {
                     segCount 3,
                     sib-Pos rep128 : 21,
                     sib-PosOffsetInfo {
                          so2,
                           so2
                 }
            }
             sib-Type sysInfoType7 : NULL,
             scheduling {
                 scheduling {
                     segCount 1,
                     sib-Pos rep128 : 11
             }
             sib-Type sysInfoType11 : 1,
             scheduling {
                 scheduling {
                     segCount 2,
                     sib-Pos rep128 : 29,
                     sib-PosOffsetInfo {
                          so2
                 }
            }
             sib-Type sysInfoType12 : 1,
             scheduling {
    scheduling {
                     segCount 2,
                     sib-Pos rep128 : 53,
                     sib-PosOffsetInfo {
                          so2
            }
        }
    }
}
SysInfoType1
    cn-CommonGSM-MAP-NAS-SysInfo '00 80'H,
    cn-DomainSysInfoList {
             cn-DomainIdentity ps-domain,
cn-Type gsm-MAP : '00 00'H,
```

```
cn-DRX-CycleLengthCoeff 7
            cn-DomainIdentity cs-domain,
cn-Type gsm-MAP : '1E 01'H,
            cn-DRX-CycleLengthCoeff 7
    ue-ConnTimersAndConstants {
        t-301 ms2000,
        n-301 2,
        t-302 ms4000,
n-302 3,
        t-304 ms1000,
        n-304 3,
        t-305 m60,
        t-307 s50,
        t-308 ms320,
        t-309 8,
        t-310 ms320,
        n-310 5,
        t-311 ms500,
        t-312 5,
        n-312 s200,
        t-313 10,
        n-313 s20,
        t-314 s20,
        t-315 s30,
        n-315 s200,
        t-316 s50,
        t-317 s1800
    ue-IdleTimersAndConstants {
        t-300~ms400,
        n-300 7,
        t-312 10,
        n-312 s200
}
SysInfoType2
    ura-IdentityList {
         '00000000 00000001'B
}
SysInfoType3
    sib4indicator TRUE,
    cellIdentity '00000000 00000000 00000000 0001'B,
    cellSelectReselectInfo {
        mappingInfo {
            {
                 rat utra-FDD,
                 mappingFunctionParameterList {
                     {
                         functionType linear,
                         mapParameter1 1,
                         mapParameter2 1,
                         upperLimit 1
                     }
                 }
            }
        cellSelectQualityMeasure cpich-Ec-N0 : {
            q-HYST-2-S 0
        },
        modeSpecificInfo fdd : {
            s-Intrasearch 8,
            s-Intersearch 8,
            s-SearchHCS 5,
            q-QualMin -20,
            q-RxlevMin -58
        q-Hyst-1-S 0,
        t-Reselection-S 0,
        hcs-ServingCellInformation {
```

```
hcs-PRIO 0,
            q-HCS 0,
            t-CR-Max notUsed : NULL
        },
        maxAllowedUL-TX-Power 33
    },
    cellAccessRestriction {
        cellBarred notBarred : NULL,
        {\tt cellReservedForOperatorUse\ notReserved},
        cellReservationExtension notReserved,
        accessClassBarredList {
             notBarred,
             not Barred.
             notBarred,
             notBarred,
             notBarred,
             notBarred.
             notBarred,
             notBarred,
             notBarred,
             notBarred,
             notBarred,
             notBarred,
             notBarred,
             notBarred,
             notBarred,
             notBarred
    }
}
SysInfoType4
    cellIdentity '00000000 00000000 00000000 0001'B,
    cellSelectReselectInfo {
        mappingInfo {
                rat utra-FDD,
                mappingFunctionParameterList {
                    {
                         functionType linear,
                        mapParameter1 1,
                        mapParameter2 1,
                        upperLimit 1
                }
            }
        cellSelectQualityMeasure cpich-Ec-N0 : {
           q-HYST-2-S 0
        modeSpecificInfo fdd : {
            s-Intrasearch 8,
            s-Intersearch 8,
            s-SearchHCS 5,
            q-QualMin -20,
            q-RxlevMin -58
        },
        q-Hyst-l-S 0,
        t-Reselection-S 0,
        hcs-ServingCellInformation {
            hcs-PRIO 0,
            q-HCS 0,
            t-CR-Max notUsed : NULL
        maxAllowedUL-TX-Power 33
    cellAccessRestriction {
        cellBarred notBarred : NULL,
        cellReservedForOperatorUse notReserved,
        cellReservationExtension notReserved,
        accessClassBarredList {
            notBarred,
             notBarred,
             notBarred,
             notBarred,
             notBarred,
             notBarred,
```

```
notBarred,
             notBarred,
             notBarred,
             notBarred,
             notBarred,
             notBarred,
             notBarred,
             notBarred,
             notBarred,
             notBarred
        }
    }
}
SysInfoType5
    sib6indicator TRUE,
    pich-PowerOffset -5,
   modeSpecificInfo fdd : {
       aich-PowerOffset 0
   primaryCCPCH-Info fdd : {
        tx-DiversityIndicator FALSE
    prach-SystemInformationList {
            prach-RACH-Info {
               modeSpecificInfo fdd : {
                   availableSignatures '00000000 111111111'B,
                    availableSF sfpr64,
                    preambleScramblingCodeWordNumber 0,
                    puncturingLimit pl1,
                    availableSubChannelNumbers '11111111 1111'B
            },
            transportChannelIdentity 15,
            rach-TransportFormatSet commonTransChTFS : {
                tti tti20 : {
                        rlc-Size fdd : {
                           octetModeRLC-SizeInfoType2 sizeType1 : 15
                        numberOfTbSizeList {
                             one : NULL
                        logicalChannelList configured : NULL
                        rlc-Size fdd : {
                           octetModeRLC-SizeInfoType2 sizeType2 : 3
                        numberOfTbSizeList {
                             one : NULL
                        logicalChannelList configured : NULL
                    }
                semistaticTF-Information {
                    channelCodingType convolutional : half,
                    rateMatchingAttribute 150,
                    crc-Size crc16
            },
            rach-TFCS normalTFCI-Signalling : complete : {
                ctfcSize ctfc2Bit : {
                    {
                        ctfc2 0,
                        powerOffsetInformation {
                            gainFactorInformation computedGainFactors : 0,
                            powerOffsetPp-m -5
                    },
{
                        ctfc2 1,
                        powerOffsetInformation {
                            gainFactorInformation signalledGainFactors : {
                               modeSpecificInfo fdd : {
                                    gainFactorBetaC 10
```

484

```
gainFactorBetaD 15,
                    referenceTFC-ID 0
                powerOffsetPp-m -5
        }
    }
prach-Partitioning fdd : {
        accessServiceClass-FDD {
            availableSignatureStartIndex 0,
            availableSignatureEndIndex 7,
            assignedSubChannelNumber '1111'B
        accessServiceClass-FDD {
            availableSignatureStartIndex 0,
            availableSignatureEndIndex 7,
            assignedSubChannelNumber '1111'B
        accessServiceClass-FDD {
            availableSignatureStartIndex 0,
            availableSignatureEndIndex 7,
            assignedSubChannelNumber '1111'B
        }
        accessServiceClass-FDD {
            availableSignatureStartIndex 0,
            availableSignatureEndIndex 7,
            assignedSubChannelNumber '1111'B
    },
{
        accessServiceClass-FDD {
            availableSignatureStartIndex 0,
            availableSignatureEndIndex 7,
            assignedSubChannelNumber '1111'B
    },
{
        accessServiceClass-FDD {
            availableSignatureStartIndex 0,
            availableSignatureEndIndex 7,
            assignedSubChannelNumber '1111'B
        accessServiceClass-FDD {
            availableSignatureStartIndex 0,
            availableSignatureEndIndex 7,
            assignedSubChannelNumber '1111'B
        accessServiceClass-FDD {
            availableSignatureStartIndex 0,
            availableSignatureEndIndex 7,
            assignedSubChannelNumber '1111'B
        }
persistenceScalingFactorList {
    psf0-9,
    psf0-9,
    psf0-9,
    psf0-9,
    psf0-9,
    psf0-9
ac-To-ASC-MappingTable {
    6,
     4,
```

```
3,
             2,
             1,
             0
        modeSpecificInfo fdd : {
            primaryCPICH-TX-Power 31,
            constantValue -10,
            prach-PowerOffset {
               powerRampStep 3,
               preambleRetransMax 2
            },
            rach-TransmissionParameters {
                mmax 2,
                nb01Min 3,
               nb01Max 10
            aich-Info {
               channelisationCode256 3,
                sttd-Indicator FALSE,
                aich-TransmissionTiming e0
       }
   }
sCCPCH-SystemInformationList {
        secondaryCCPCH-Info {
           modeSpecificInfo fdd : {
               pCPICH-UsageForChannelEst mayBeUsed,
                sttd-Indicator FALSE,
               sf-AndCodeNumber sf64 : 1,
               pilotSymbolExistence FALSE,
               tfci-Existence TRUE,
                positionFixedOrFlexible flexible,
                timingOffset 0
            }
        },
        tfcs normalTFCI-Signalling : complete : {
            ctfcSize ctfc4Bit : {
                {
                    ctfc4 0
                    ctfc4 1
                    ctfc4 2
                    ctfc4 3
                    ctfc4 4
                    ctfc4 5
                    ctfc4 6
                    ctfc4 8
                    ctfc4 10
        fach-PCH-InformationList {
                transportFormatSet commonTransChTFS : {
                    tti tti10 : {
                            rlc-Size fdd : {
                                octetModeRLC-SizeInfoType2 sizeType1 : 24
                            numberOfTbSizeList {
```

zero : NULL, one : NULL

```
logicalChannelList allSizes : NULL
                        },
                        semistaticTF-Information {
                           channelCodingType convolutional : half,
                            rateMatchingAttribute 230,
                           crc-Size crc16
                    },
                    transportChannelIdentity 12,
                    ctch-Indicator FALSE
                    transportFormatSet commonTransChTFS : {
                        tti tti10 : {
                                rlc-Size fdd : {
                                   octetModeRLC-SizeInfoType2 sizeType1 : 15
                                numberOfTbSizeList {
                                    zero : NULL,
                                     one : NULL,
                                     small : 2,
                                     small: 3
                                logicalChannelList allSizes : NULL
                        semistaticTF-Information {
                           channelCodingType convolutional : half,
                            rateMatchingAttribute 220,
                            crc-Size crc16
                    transportChannelIdentity 13,
                    ctch-Indicator FALSE
                    transportFormatSet commonTransChTFS : {
                        tti tti10 : {
                                rlc-Size fdd : {
                                   octetModeRLC-SizeInfoType2 sizeType2 : 3
                                numberOfTbSizeList {
                                    zero : NULL,
                                    one : NULL
                                logicalChannelList allSizes : NULL
                        semistaticTF-Information {
                            channelCodingType turbo : NULL,
                            rateMatchingAttribute 130,
                            crc-Size crc16
                    transportChannelIdentity 14,
                    ctch-Indicator FALSE
            },
            pich-Info fdd : {
                channelisationCode256 2,
                pi-CountPerFrame e18,
                sttd-Indicator FALSE
           }
       }
   }
}
SysInfoType6
   pich-PowerOffset -5,
   modeSpecificInfo fdd : {
       aich-PowerOffset 0
```

```
primaryCCPCH-Info fdd : {
   tx-DiversityIndicator FALSE
prach-SystemInformationList {
   {
        prach-RACH-Info {
            modeSpecificInfo fdd : {
                availableSignatures '00000000 111111111'B,
                availableSF sfpr64,
                preambleScramblingCodeWordNumber 0,
                puncturingLimit pl1,
                availableSubChannelNumbers '11111111 1111'B
        },
        transportChannelIdentity 15,
        rach-TransportFormatSet commonTransChTFS : {
            tti tti20 : {
                {
                    rlc-Size fdd : {
                        octetModeRLC-SizeInfoType2 sizeType1 : 15
                    numberOfTbSizeList {
                         one : NULL
                    logicalChannelList configured : NULL
                },
{
                    rlc-Size fdd : {
                        octetModeRLC-SizeInfoType2 sizeType2 : 3
                    numberOfTbSizeList {
                         one : NULL
                    logicalChannelList configured : NULL
            },
            semistaticTF-Information {
                channelCodingType convolutional : half,
                rateMatchingAttribute 150,
                crc-Size crc16
        },
        rach-TFCS normalTFCI-Signalling : complete : {
            ctfcSize ctfc2Bit : {
                {
                    ctfc2 0.
                    powerOffsetInformation {
                        gainFactorInformation computedGainFactors : 0,
                        powerOffsetPp-m -5
                    ctfc2 1,
                    powerOffsetInformation {
                        {\tt gainFactorInformation\ signalledGainFactors\ :\ \{}
                            modeSpecificInfo fdd : {
                                gainFactorBetaC 10
                            gainFactorBetaD 15,
                            referenceTFC-ID 0
                        powerOffsetPp-m -5
                    }
                }
            }
        prach-Partitioning fdd : {
                accessServiceClass-FDD {
                    availableSignatureStartIndex 0,
                    availableSignatureEndIndex 7,
                    assignedSubChannelNumber '1111'B
                }
            },
{
                accessServiceClass-FDD {
                    availableSignatureStartIndex 0,
```

```
availableSignatureEndIndex 7,
                    assignedSubChannelNumber '1111'B
                }
                accessServiceClass-FDD {
                    availableSignatureStartIndex 0,
                    availableSignatureEndIndex 7,
                    assignedSubChannelNumber '1111'B
            },
                accessServiceClass-FDD {
                    availableSignatureStartIndex 0,
                    availableSignatureEndIndex 7,
                    assignedSubChannelNumber '1111'B
                accessServiceClass-FDD {
                    availableSignatureStartIndex 0,
                    availableSignatureEndIndex 7,
                    assignedSubChannelNumber '1111'B
                accessServiceClass-FDD {
                    availableSignatureStartIndex 0,
                    availableSignatureEndIndex 7,
                    assignedSubChannelNumber '1111'B
            },
                accessServiceClass-FDD {
                    availableSignatureStartIndex 0,
                    availableSignatureEndIndex 7,
                    assignedSubChannelNumber '1111'B
                accessServiceClass-FDD {
                    availableSignatureStartIndex 0,
                    availableSignatureEndIndex 7,
                    assignedSubChannelNumber '1111'B
            }
        persistenceScalingFactorList {
             psf0-9,
             psf0-9,
             psf0-9,
             psf0-9,
             psf0-9,
             psf0-9
        modeSpecificInfo fdd : {
            primaryCPICH-TX-Power 31,
            constantValue -10,
            prach-PowerOffset {
                powerRampStep 3,
                preambleRetransMax 2
            rach-TransmissionParameters {
                mmax 2,
                nb01Min 3,
                nb01Max 10
            aich-Info {
                channelisationCode256 3,
                sttd-Indicator FALSE,
                aich-TransmissionTiming e0
        }
sCCPCH-SystemInformationList {
        secondaryCCPCH-Info {
```

}

{

```
modeSpecificInfo fdd : {
       pCPICH-UsageForChannelEst mayBeUsed,
       sttd-Indicator FALSE,
       sf-AndCodeNumber sf64 : 1,
       pilotSymbolExistence FALSE,
       tfci-Existence TRUE,
       positionFixedOrFlexible flexible,
       timingOffset 0
   }
tfcs normalTFCI-Signalling : complete : {
   ctfcSize ctfc4Bit : {
        {
            ctfc4 0
        {
            ctfc4 1
        {
            ctfc4 2
            ctfc4 3
            ctfc4 4
            ctfc4 5
            ctfc4 6
            ctfc4 8
            ctfc4 10
   }
fach-PCH-InformationList {
        {\tt transportFormatSet~commonTransChTFS}~:~\{
           tti tti10 : {
                {
                    rlc-Size fdd : {
                       octetModeRLC-SizeInfoType2 sizeType1 : 24
                    numberOfTbSizeList {
                        zero : NULL,
                         one : NULL
                    logicalChannelList allSizes : NULL
                }
            },
            semistaticTF-Information {
               channelCodingType convolutional : half,
                rateMatchingAttribute 230,
                crc-Size crc16
        transportChannelIdentity 12,
        ctch-Indicator FALSE
        transportFormatSet commonTransChTFS : {
            tti tti10 : {
                    rlc-Size fdd : {
                        octetModeRLC-SizeInfoType2 sizeType1 : 15
                    numberOfTbSizeList {
                         zero : NULL,
                         one : NULL,
                         small: 2,
                         small: 3
                    },
```

```
logicalChannelList allSizes : NULL
                        semistaticTF-Information {
                            channelCodingType convolutional : half,
                            rateMatchingAttribute 220,
                            crc-Size crc16
                    },
                    transportChannelIdentity 13,
                    ctch-Indicator FALSE
                    transportFormatSet commonTransChTFS : {
                        tti tti10 : {
                                rlc-Size fdd : {
                                    octetModeRLC-SizeInfoType2 sizeType2 : 3
                                numberOfTbSizeList {
                                    zero : NULL,
                                     one : NULL
                                logicalChannelList allSizes : NULL
                        semistaticTF-Information {
                           channelCodingType turbo : NULL,
                            rateMatchingAttribute 130,
                            crc-Size crc16
                    transportChannelIdentity 14,
                    ctch-Indicator FALSE
            pich-Info fdd : {
                channelisationCode256 2,
                pi-CountPerFrame e18,
                sttd-Indicator FALSE
       }
SysInfoType7
Analyzed Text:
    modeSpecificInfo fdd : {
       ul-Interference -100
   prach-Information-SIB5-List {
   prach-Information-SIB6-List {
SysInfoType11
    sib12indicator TRUE,
   measurementControlSysInfo {
       use-of-HCS hcs-not-used : {
            cellSelectQualityMeasure cpich-RSCP : {
                intraFreqMeasurementSysInfo {
                    intraFreqMeasurementID 1,
                    intraFreqCellInfoSI-List {
                        removedIntraFreqCellList removeAllIntraFreqCells : NULL,
                        newIntraFreqCellList {
                                intraFreqCellID 0,
                                    cellIndividualOffset 0,
                                    modeSpecificInfo fdd : {
                                        primaryCPICH-Info {
                                            primaryScramblingCode 100
                                        readSFN-Indicator TRUE,
                                        tx-DiversityIndicator FALSE
```

```
cellSelectionReselectionInfo {
                    q-OffsetS-N 0,
                    maxAllowedUL-TX-Power 33,
                    modeSpecificInfo fdd : {
                       q-QualMin -20,
                        q-RxlevMin -58
                    }
                }
           }
        },
{
            intraFreqCellID 1,
            cellInfo {
                cellIndividualOffset 0,
                modeSpecificInfo fdd : {
                    primaryCPICH-Info {
                        primaryScramblingCode 150
                    readSFN-Indicator TRUE,
                    {\tt tx-DiversityIndicator\ FALSE}
                cellSelectionReselectionInfo {
                    q-OffsetS-N 0,
                    maxAllowedUL-TX-Power 33,
                    modeSpecificInfo fdd : {
                        q-QualMin -20,
                        q-RxlevMin -58
                    }
                }
           }
        },
            intraFreqCellID 2,
            cellInfo {
                cellIndividualOffset 0,
                modeSpecificInfo fdd : {
                    primaryCPICH-Info {
                        primaryScramblingCode 200
                    readSFN-Indicator TRUE,
                    tx-DiversityIndicator FALSE
                },
                cellSelectionReselectionInfo {
                    q-OffsetS-N 0,
                    maxAllowedUL-TX-Power 33,
                    modeSpecificInfo fdd : {
                        q-QualMin -20,
                        q-RxlevMin -58
                    }
                }
           }
        },
{
            intraFreqCellID 3,
            cellInfo {
                cellIndividualOffset 0,
                modeSpecificInfo fdd : {
                   primaryCPICH-Info {
                        primaryScramblingCode 250
                    readSFN-Indicator TRUE,
                    tx-DiversityIndicator FALSE
                },
                cellSelectionReselectionInfo {
                    q-OffsetS-N 0,
                    maxAllowedUL-TX-Power 33,
                    modeSpecificInfo fdd : {
                        q-QualMin -20,
                        q-RxlevMin -58
               }
          }
       }
intraFreqMeasQuantity {
   filterCoefficient fc0,
```

modeSpecificInfo fdd : {

```
intraFreqMeasQuantity-FDD cpich-RSCP
                     intraFreqReportingQuantityForRACH {
                        sfn-SFN-OTD-Type noReport,
                        modeSpecificInfo fdd : {
                             \verb"intraFreqRepQuantityRACH-FDD" no Report
                     },
                    maxReportedCellsOnRACH noReport,
                     reportingInfoForCellDCH {
                         intraFreqReportingQuantity {
                             activeSetReportingQuantities {
                                 sfn-SFN-OTD-Type noReport,
                                 cellIdentity-reportingIndicator TRUE,
                                 {\tt cellSynchronisationInfoReportingIndicator\ FALSE,}
                                 modeSpecificInfo fdd : {
                                     cpich-Ec-N0-reportingIndicator FALSE,
                                     cpich-RSCP-reportingIndicator TRUE,
                                     {\tt pathloss-reportingIndicator}\ {\tt FALSE}
                             monitoredSetReportingQuantities {
                                 sfn-SFN-OTD-Type noReport,
                                 cellIdentity-reportingIndicator TRUE,
                                 {\tt cellSynchronisationInfoReportingIndicator\ FALSE,}
                                 modeSpecificInfo fdd : {
                                     cpich-Ec-N0-reportingIndicator FALSE,
                                     cpich-RSCP-reportingIndicator TRUE,
                                     pathloss-reportingIndicator FALSE
                             }
                         measurementReportingMode {
                             measurementReportTransferMode acknowledgedModeRLC,
                             periodicalOrEventTrigger eventTrigger
                         reportCriteria intraFreqReportingCriteria : {
                             eventCriteriaList {
                                 {
                                     event ela : {
                                         triggering {\tt Condition} \ active {\tt SetAndMonitoredSetCells},
                                          reportingRange 5,
                                          w 1,
                                         reportDeactivationThreshold t3,
                                         reportingAmount ra-Infinity,
                                         reportingInterval ri4
                                     hysteresis 0,
                                     timeToTrigger ttt640,
                                     {\tt reportingCellStatus\ withinActiveAndOrMonitoredUsedFreq:e3}
                            }
                       }
                   }
               }
           }
        }
    }
SysInfoType12
    measurementControlSysInfo {
        use-of-HCS hcs-not-used : {
            cellSelectQualityMeasure cpich-RSCP : {
                intraFreqMeasurementSysInfo {
                     intraFreqMeasurementID 1,
                     intraFreqCellInfoSI-List
                         removedIntraFreqCellList removeNoIntraFreqCells : NULL,
                         newIntraFreqCellList {
                             {
                                 intraFreqCellID 0,
                                 cellInfo {
                                     cellIndividualOffset 0,
                                     modeSpecificInfo fdd : {
                                         primaryCPICH-Info {
                                             primaryScramblingCode 100
```

```
readSFN-Indicator TRUE,
             tx-DiversityIndicator FALSE
         cellSelectionReselectionInfo {
             q-OffsetS-N 0,
             maxAllowedUL-TX-Power 33,
             modeSpecificInfo fdd : {
                 q-QualMin -20,
                 q-RxlevMin -58
         }
    }
 },
{
     intraFreqCellID 1,
     cellInfo {
         cellIndividualOffset 0,
         modeSpecificInfo fdd : {
             primaryCPICH-Info {
                 primaryScramblingCode 150
             readSFN-Indicator TRUE,
             tx-DiversityIndicator FALSE
         cellSelectionReselectionInfo {
             q-OffsetS-N 0,
             maxAllowedUL-TX-Power 33,
             modeSpecificInfo fdd : {
                 q-QualMin -20,
                 q-RxlevMin -58
         }
     }
     intraFreqCellID 2,
     cellInfo {
         cellIndividualOffset 0,
         modeSpecificInfo fdd : {
             primaryCPICH-Info {
                primaryScramblingCode 200
             readSFN-Indicator TRUE,
             tx-DiversityIndicator FALSE
         },
         cellSelectionReselectionInfo {
             q-OffsetS-N 0,
             maxAllowedUL-TX-Power 33,
             modeSpecificInfo fdd : {
                 q-QualMin -20,
                 q-RxlevMin -58
             }
         }
    }
     intraFreqCellID 3,
     cellInfo {
         cellIndividualOffset 0,
         modeSpecificInfo fdd : {
             primaryCPICH-Info {
                 primaryScramblingCode 250
             readSFN-Indicator TRUE,
             tx-DiversityIndicator FALSE
         cellSelectionReselectionInfo {
             q-OffsetS-N 0,
             maxAllowedUL-TX-Power 33,
             modeSpecificInfo fdd : {
                 q-QualMin -20,
                 q-RxlevMin -58
}
            }
```

```
intraFreqMeasQuantity {
                     filterCoefficient fc0,
                     modeSpecificInfo fdd : {
                          intraFreqMeasQuantity-FDD cpich-RSCP
                  intraFreqReportingQuantityForRACH {
                      sfn-SFN-OTD-Type noReport,
                     modeSpecificInfo fdd : {
                          intraFreqRepQuantityRACH-FDD noReport
                  maxReportedCellsOnRACH noReport,
                  reportingInfoForCellDCH {
                     intraFreqReportingQuantity {
                          activeSetReportingQuantities {
                              sfn-SFN-OTD-Type noReport
                              cellIdentity-reportingIndicator TRUE,
                              cellSynchronisationInfoReportingIndicator FALSE,
                              modeSpecificInfo fdd : {
                                  cpich-Ec-N0-reportingIndicator FALSE,
                                  cpich-RSCP-reportingIndicator TRUE,
                                  pathloss-reportingIndicator FALSE
                          },
                          monitoredSetReportingQuantities {
                             sfn-SFN-OTD-Type noReport,
                              cellIdentity-reportingIndicator TRUE,
                              cellSynchronisationInfoReportingIndicator FALSE,
                              modeSpecificInfo fdd : {
                                  cpich-Ec-N0-reportingIndicator FALSE,
                                  cpich-RSCP-reportingIndicator TRUE,
                                  pathloss-reportingIndicator FALSE
                              }
                          }
                     },
                     measurementReportingMode {
                          {\tt measurementReportTransferMode} \ {\tt acknowledgedModeRLC},
                          periodicalOrEventTrigger eventTrigger
                     reportCriteria intraFreqReportingCriteria : {
                          eventCriteriaList {
                                  event ela : {
                                      triggeringCondition activeSetAndMonitoredSetCells,
                                      reportingRange 5,
                                      w 1.
                                      reportDeactivationThreshold t3,
                                      reportingAmount ra-Infinity,
                                      reportingInterval ri4
                                  },
                                  hysteresis 0,
                                  timeToTrigger ttt0,
                                  reportingCellStatus withinActiveAndOrMonitoredUsedFreq : e3
                             }
} }
                        }
```

Annex B (informative): Change history

Meeting -1st- Level	Doc-1st- Level	CR	Rev	Subject	Cat	Version- Current	Version- New	Doc-2nd- Level
TP-08				Approval of the specification		2.0.0	3.0.0	
TP-09	TP-000131	001		RRC Message Contents: RLCSize	С	3.0.1	3.1.0	T1-000190
TP-09	TP-000131	002		RRC Message Contents: RLCParam	С	3.0.1	3.1.0	T1-000191
TP-09	TP-000131	003		RRC Message Contents: PCPreamble	С	3.0.1	3.1.0	T1-000192
TP-09	TP-000131	004		RRC Message Contents: RBIdentity	С	3.0.1	3.1.0	T1-000193
TP-09	TP-000131	005		RRC Message Contents: TrCHParam	С	3.0.1	3.1.0	T1-000194
TP-09	TP-000131	006		RRC Message Contents: UECapability	С	3.0.1	3.1.0	T1-000195
TP-09	TP-000131	007		RRC Message Contents: RBMapping	С	3.0.1	3.1.0	T1-000196
TP-09	TP-000131	008		RRC Message Contents: PagingCause	С	3.0.1	3.1.0	T1-000197
TP-09	TP-000131	009		RRC Message Contents: CipheringAndIntegrity	С	3.0.1	3.1.0	T1-000198
TP-09	TP-000131	010		RRC Message Contents: RLCInfo	С	3.0.1	3.1.0	T1-000199
TP-09	TP-000131	011		RRC Message Contents: CompressedMode	С	3.0.1	3.1.0	T1-000200
TP-09	TP-000131	012		RRC Message Contents: SIB	С	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	С	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	F	3.0.1	3.1.0	T1-000164
		-		authentication (clause 8.1.2)				
TP-09	TP-000131	019		Reference Radio Bearer Configurations	F	3.0.1	3.1.0	T1-000212
TP-09	TP-000131	020		TDD Single mode	F	3.0.1	3.1.0	T1-000220
TP-10	TP-000215	021		Common generic procedure for AS testing	В	3.1.0	3.2.0	T1-000294
TP-10	TP-000215	022			F	3.1.0	3.2.0	T1-000303
	000210	022		Tcell parameter	ľ	0.1.0	O.L.O	
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	D	3.1.0	3.2.0	T1-000307
				conditions				
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	F	3.1.0	3.2.0	T1-000296
				message by default				
TP-10	TP-000215	027		Updates to the default message contents in clause 9	С	3.1.0	3.2.0	T1-000282
TP-10	TP-000215	028		Updates to System Information Block (SIB) and Master Information Block (MIB) messages	С	3.1.0	3.2.0	T1-000283
TP-10	TP-000215	029		Application of ciphering during conformance testing	С	3.1.0	3.2.0	T1-000285
TP-10	TP-000215	030		Addition for System Information parameters (34.108 clause 6.1)	F	3.1.0	3.2.0	T1-000304
TP-10	TP-000215	031		Correction for Generic Setup Procedures (34.108 clause 7.2)	F	3.1.0	3.2.0	T1-000305
TP-11	TP-010018	032		Default radio conditions for multi-cell environment	F	3.2.0	3.3.0	T1-010078
TP-11	TP-010018	033		Correction for Generic Setup Procedures (34.108	F	3.2.0	3.3.0	T1-010079
TP-11	TP-010018	034		clause 7.2) Corrections for Test USIM Parameters(34.108 clause	F	3.2.0	3.3.0	T1-010080
				8)				
TP-11	TP-010018	035		Correction of clause number in TS 34.108.	D	3.2.0	3.3.0	T1-010081
TP-11	TP-010018	036		Update of authentication test algorithm	С	3.2.0	3.3.0	T1-010082
TP-11	TP-010018	037		Updates to clause 9 of TS 34.108 v3.2.0	F	3.2.0	3.3.0	T1-010084
TP-11	TP-010018	038		Updating to TDD single mode	F	3.2.0	3.3.0	T1-010088
TP-11	TP-010018	039			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		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

Meeting -1st-	Doc-1st- Level	CR	Rev	Subject	Cat	Version- Current	Version- New	Doc-2nd- Level
Level TP-13	TP-010215	051		Undete to Coope Statement	F	3.4.0	2.5.0	T1-010278
TP-13	TP-010215	051		Update to Scope Statement Clause 6.10 Definition of RB configurations, TDD	F	3.4.0	3.5.0	T1-010278
				parameters				
TP-13	TP-010215	053		Updates to clause 6.1, clause 7.4 and clause 9	F	3.4.0	3.5.0	T1-010280
TP-13	TP-010215	054		Clause 6.1: Default radio conditions for Signalling tests	F	3.4.0	3.5.0	T1-010281
TP-13	TP-010215	055		Correction of Radio Bearer Configurations for FDD Mode	F	3.4.0	3.5.0	T1-010282
TP-13	TP-010215	056		Correction of Radio Bearer Configurations for TDD Mode	F	3.4.0	3.5.0	T1-010283
TP-13	TP-010215	057		Changes to Signalling Radio Bearer (SRB) numbering	F	3.4.0	3.5.0	T1-010284
TP-13	TP-010215	058		Missing bearers in tables 6.10.2.1.1 and 6.10.3.1.1	F	3.4.0	3.5.0	T1-010285
TP-13	TP-010215	059		Correction of system information block 5	F	3.4.0	3.5.0	T1-010286
TP-13	TP-010215	063		Clause 6.11 RBs for RLC and PDCP testing	F	3.4.0	3.5.0	T1-010290
TP-14	TP-010285	064	1	Correction to 6.1 Contents of System Information Blocks	F	3.5.0	3.6.0	T1-010474
TP-14	TP-010285	066	1	Corrections to clause 6.1, 7.4 and 9	F	3.5.0	3.6.0	T1-010472
TP-14	TP-010258	068	+	Reference Radio Conditions	F	3.5.0	3.6.0	T1-010460
TP-14	TP-010258	070		Modification of Test procedures for RF tests	F	3.5.0	3.6.0	T1-010462
TP-14	TP-010258	072		Default message contents for RF tests	F	3.5.0	3.6.0	T1-010464
TP-14	TP-010258	074		Correction to 6.10 Reference Radio Bearer configurations	F	3.5.0	3.6.0	T1-010466
TP-14	TP-010258	076		Definition of default value of rate matching attribute	F	3.5.0	3.6.0	T1-010468
TP-14	TP-010258	078		Update of clause 7.4 and 6.10	F	3.5.0	3.6.0	T1-010408
TP-14	TP-010291	080		Correction on introduction of section 6.10	F	3.5.0	3.6.0	
TP-15	TP-020038	082		Replacement of Block STTD by Space Code Transmit Diversity (SCTD)		3.6.0	3.7.0	T1-020091
TP-15	TP-020038	084		Update of reference radio conditions	F	3.6.0	3.7.0	T1-020097
TP-15	TP-020038	086		Update of system reference configurations and default messages		3.6.0	3.7.0	T1-020097
TP-15	TP-020038	088		Corrections to 34108-360	F	3.6.0	3.7.0	T1-020101
TP-15	TP-020038	090		Introduction of new Reference RABs (LS from RAN T1-020025)	F	3.6.0	3.7.0	T1-020101
TP-15	TP-020038	092		Clarification of bit rate of Interactive/Background PS RAB function	F	3.6.0	3.7.0	T1-020105
TP-15	TP-020038	093		Update of SIBs for TDD mode in TS34.108 (Rel99)	F	3.6.0	3.7.0	T1-020106
17-15	1F-020036	093		Correction of CR implementation errors in clauses:	<u> </u>	3.7.0	3.7.1	11-020106
TP-16	TP-020141	096		6.10.2.2, 6.10.2.4.1.23 and 6.10.2.4.1.58.2.1.1 Correction to clause 7.3.3.4 RADIO BEARER SETUP	F	3.7.1	3.8.0	T1-020271
TP-16	TP-020141	097		message Change of RM attribute of DL:3.4 kbps SRBs for	F	3.7.1	3.8.0	T1-020272
TP-16	TP-020141	098		DCCH in TS34.108 for R99 New additional RAB configuration (R1-020669) for R99	F	3.7.1	3.8.0	T1-020273
TP-16	TP-020141	099		Correction of Puncturing Limit for RABs in TS34.108 for R99	F	3.7.1	3.8.0	T1-020274
TP-16	TP-020141	100		Test USIM	F	3.7.1	3.8.0	T1-020275
TP-16	TP-020141	100		Section 6.1 (SIBs)Rel 99 TDD	F	3.7.1	3.8.0	T1-020275
TP-16	TP-020141 TP-020141	101		Section 6.1 (SIBS)Rel 99 TDD Section 6.10 References for TDD about Clarification of bit rate of Interactive/Background PS RAB	F	3.7.1	3.8.0	T1-020276
TP-16	TP-020141	103		Correction to default message on clause 9 for Rel'99	F	3.7.1	3.8.0	T1-020278
TP-16	TP-020141	103		Correction to default message on clause 9 for Rei 99 Correction to clause 6.1for Rei'99	F	3.7.1	3.8.0	T1-020278
TP-16	TP-020141	104		WCDMA1800 additions for Rel'99	F	3.7.1	3.8.0	T1-020279
TP-16		105			F			
17-16	TP-020141	106		Section 7(reference) Update of generic setup procedures to use 13.6 kbps SRB in RRC connection establishment TDD	F	3.7.1	3.8.0	T1-020281
TP-16	TP-020141	107		Section 9.1, Inclusion of Default message contents for TDD Rel 99(TS34.108)	F	3.7.1	3.8.0	T1-020282
TP-16	TP-020141	120		Update of generic setup procedures to use 13.6 kbps SRB in RRC connection establishment	F	3.7.1	3.8.0	T1-020433

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