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 12.2 kbps, the DL reference measurement channel for BTFD, UE test loop mode 1 without Dummy DCCH transmission and UE test loop mode 2 with Dummy DCCH transmission are set to default message contents.

9.2.1 Default Message Contents for RF (FDD)

Contents of Activate RB Test Mode message

Information Element	Value/remark
Protocol discriminator	F (Length 1/2)
Skip indicator	0 (Length 1/2)
Message Type	44h

Contents of Close UE Test Loop message (UE test loop mode 1 without Dummy DCCH transmission)

Information Element	Value/remark
Protocol discriminator	F (Length 1/2)
Skip indicator	0 (Length 1/2)
Message Type	40h
UE test loop mode	00h
UE test loop mode 1 LB setup	03h 00h F4h 0Ah

Contents of Close UE Test Loop message (UE test loop mode 2 without Dummy DCCH transmission)

Information Element	Value/remark
Protocol discriminator	F (Length 1/2)
Skip indicator	0 (Length 1/2)
Message Type	40h
UE test loop mode	01h

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 MBMS COMMON P-T-M RB INFORMATION message: UM

Information Element	Value/remark	Version
Message type		Rel-6
RB information list	One entry in the list	Rel-6
- RB identity	14	Rel-6
- PDCP info		
- Support for lossless SRNS relocation	Not Present	
- PDCP PDU header	Absent	
- Header compression information	Not Present	
- RLC info		
- DL UM RLC LI size	Selected with DL UM RLC data size	
- DL Duplication Avoidance and Reordering info	Not Present	
TrCh information for each TrCh	One entry in the list	Rel-6
- Transport channel identity	17	Rel-6
- TFS		
- CHOICE *Transport channel type*	Common transport channels	
- Dynamic Transport format information		
- RLC Size	Reference to TS34.121 [2] Annex C.12 DL reference parameters or as specified within test case in TS34.121 [2].	
- Number of TBs List	(This IE is repeated for TFI number.)	
- Transmission Time Interval	Not Present	
- Number of Transport blocks	Reference to TS34.121 [2] Annex C.12 DL reference parameters or as specified within test case in TS34.121 [2].	
- CHOICE *Logical channel list*	All	
- Semi-static Transport Format information		
- Transmission time interval	Reference to TS34.121 [2] Annex C.12 DL reference parameters or as specified within test case in TS34.121 [2].	
- Type of channel coding	Reference to TS34.121 [2] Annex C.12 DL reference parameters or as specified within test case in TS34.121 [2].	
- Coding Rate	Reference to TS34.121 [2] Annex C.12 DL reference parameters or as specified within test case in TS34.121 [2].	
- Rate matching attribute	Reference to TS34.121 [2] Annex C.12 DL reference parameters or as specified within test case in TS34.121 [2]	
- CRC size	Reference to TS34.121 [2] Annex C.12 DL reference parameters or as specified within test case in TS34.121 [2].	
TrCh information for each CCTrCh	One entry in the list	Rel-6
- CCTrCH identity	1	Rel-6
- TFCS		
- CHOICE *TFCI signalling*	Normal	
- TFCI Field 1 information		
- CHOICE *TFCS representation*	Complete reconfiguration	
- TFCS complete reconfiguration information		
- CHOICE CTFC Size	Number of bits used must be enough to cover all combinations of CTFC from TS34.121 [2] Annex C.12 parameter set or as specified within test case in TS34.121 [2].	
- CTFC information	This IE is repeated for number of CTFCs from TS34.121 [2] Annex C.12	

Information Element	Value/remark	Version
	parameter set or as specified within test case in TS34.121 [2].	
- CTFC	Reference to TS34.121 [2] Annex C.12 parameter set or as specified within test case in TS34.121 [2].	
- Power offset information	Not Present	
PhyCh information	One entry in list	Rel-6
- PhyCh identity	13	Rel-6
- Secondary CCPCH info MBMS		
- CHOICE *mode*	FDD	
- Secondary scrambling code	Not Present	
- STTD indicator	FALSE	
- Spreading factor	Reference to TS34.121 [2] Annex C.12 DL reference parameters.	
- Code number	Reference to TS34.121 [2] Annex E.6.4 “Downlink physical channels code allocation for MBMS test cases”	
- Timing Offset	Not Present Absence of this IE is equivalent to default value 0.	

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 PAGING TYPE 2 message: TM (PS)

Information Element	Value/remark
Message Type	
RRC transaction identifier	Arbitrarily selects one integer between 0 to 3
Integrity check info	
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
- RRC message sequence number	SS provides the value of this IE, from its internal counter.
- Paging cause	Terminating Interactive Call
- CN domain identity	PS domain
- Paging record type identifier	TMSI(GSM-MAP)/P-TMSI

Contents of RADIO BEARER SETUP message: AM or UM (Test Loop Mode1)

Information Element	Condition	Value/remark	Version	Index
Message Type	A1, A3, A4, A5, A6, A7, A8, A9			RBST-001
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3		RBST-002
Integrity check info				RBST-003
- message authentication code		SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.		RBST-004
- RRC message sequence number		SS provides the value of this IE, from its internal counter.		RBST-005
Integrity protection mode info		Not Present		RBST-006
Ciphering mode info		Not Present		RBST-007
Activation time		(256+CFN-(CFN MOD 8 + 8))MOD 256		RBST-008
New U-RNTI		Not Present		RBST-009
New C-RNTI		Not Present		RBST-010
New DSCH-RNTI		Not Present	R99 and Rel-4 only	RBST-011
New H-RNTI		Not Present	Rel-5	RBST-012
New Primary E-RNTI		Not Present	Rel-6	RBST-013
New Secondary E-RNTI		Not Present	Rel-6	RBST-014
RRC State indicator		CELL_DCH		RBST-015
UTRAN DRX cycle length coefficient		Not Present		RBST-016
CN information info		Not Present		RBST-017
URA identity		Not Present		RBST-018
CHOICE specification mode		Complete specification	Rel-6	RBST-019
- Signalling RB information to setup		Not Present		RBST-020
- RAB information for setup list	A1, A3, A4, A5			RBST-021
- RAB information for setup				RBST-022
- RAB info				RBST-023
- RAB identity		0000 0001B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.		RBST-024
- CN domain identity		CS domain		RBST-025
- NAS Synchronization Indicator		Not Present		RBST-026
- Re-establishment timer		UseT314		RBST-027
				RBST-028
- RB information to setup list				RBST-029
- RB information to setup				RBST-030
- RAB information for setup list	A6, A7, A8, A9			RBST-031
- RAB information for setup				RBST-032
- RAB info				RBST-033
- RAB identity		0000 0101B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.		RBST-034
- CN domain identity		PS domain		RBST-035
- NAS Synchronization Indicator		Not Present		RBST-036
- Re-establishment timer		UseT315		RBST-037
				RBST-038
- RB information to setup list				RBST-039
- RB information to setup				RBST-040
- RB identity	A1	10		RBST-041
- PDCP info		Not Present		RBST-042
- CHOICE RLC info type		RLC info		RBST-043
- CHOICE Uplink RLC mode		TM RLC		RBST-044
- Transmission RLC discard		Not Present		RBST-045
- Segmentation indication		FALSE		RBST-046
- CHOICE Downlink RLC mode		TM RLC		RBST-047
- Segmentation indication		FALSE		RBST-048
- One sided RLC re-establishment		FALSE	Rel-5	RBST-049
- RB mapping info				RBST-050
- Information for each multiplexing				RBST-051

Information Element	Condition	Value/remark	Version	Index
option				
- RLC logical channel mapping indicator		Not Present		RBST-052
- Number of uplink RLC logical channels		1		RBST-053
- Uplink transport channel type		DCH		RBST-054
- UL Transport channel identity		1		RBST-055
- Logical channel identity		Not Present		RBST-056
- CHOICE RLC size list		Configured		RBST-057
- MAC logical channel priority		7		RBST-058
- Downlink RLC logical channel info				RBST-059
- Number of downlink RLC logical channels		1		RBST-060
- Downlink transport channel type		DCH		RBST-061
- DL DCH Transport channel identity		6		RBST-062
- DL DSCH Transport channel identity		Not Present		RBST-063
- Logical channel identity		Not Present		RBST-064
- RB identity	A3, A4, A5	10		RBST-065
- PDCP info		Not Present		RBST-066
- CHOICE RLC info type		RLC info		RBST-067
- CHOICE Uplink RLC mode		AM RLC		RBST-068
- Transmission RLC discard				RBST-069
- CHOICE SDU discard mode		No Discard		RBST-070
- MAX_DAT		15		RBST-071
- Transmission window size		Selected with Total RLC AM Buffer Size		RBST-072
- Timer_RST		500		RBST-073
- Max_RST		4		RBST-074
- Polling info				RBST-075
- Timer_poll_prohibit		400		RBST-076
- Timer_poll		400		RBST-077
- Poll_PDU		Not Present		RBST-078
- Poll_SDU		1		RBST-079
- Last transmission PDU poll		TRUE		RBST-080
- Last retransmission PDU poll		TRUE		RBST-081
- Poll_Windows		99		RBST-082
- Timer_poll_periodic		Not Present		RBST-083
- CHOICE Downlink RLC mode		AM RLC		RBST-084
- DL RLC PDU size	A3	1280 bits	Rel-5	RBST-085
- DL RLC PDU size	A4	2880 bits	Rel-5	RBST-086
- DL RLC PDU size	A5	3840 bits	Rel-5	RBST-087
- In-sequence delivery	A3, A4, A5	TRUE		RBST-088
- Receiving window size		Selected with Total RLC AM Buffer Size		RBST-089
- Downlink RLC status info				RBST-090
- Timer_status_prohibit		330		RBST-091
- Timer_EPC		Not Present		RBST-092
- Missing PDU indicator		TRUE		RBST-093
- Timer_STATUS_periodic		Not Present		RBST-094
- One sided RLC re-establishment		FALSE	Rel-5	RBST-095
- RB mapping info				RBST-096
- Information for each multiplexing option				RBST-097
- RLC logical channel mapping indicator		Not Present		RBST-098
- Number of uplink RLC logical channels		1		RBST-099
- Uplink transport channel type		DCH		RBST-100
- UL Transport channel identity		1		RBST-101
- Logical channel identity		Not Present		RBST-102
- CHOICE RLC size list		Configured		RBST-103
- MAC logical channel priority		7		RBST-104
- Downlink RLC logical channel info				RBST-105
- Number of downlink RLC logical channels		1		RBST-106
- Downlink transport channel type		DCH		RBST-107
- DL DCH Transport channel		6		RBST-108

Information Element	Condition	Value/remark	Version	Index
identity				
- DL DSCH Transport channel identity		Not Present		RBST-109
- Logical channel identity		Not Present		RBST-110
- RB identity	A6, A7, A8, A9	20		RBST-111
- PDCP info		Not present		RBST-112
- CHOICE RLC info type		RLC info		RBST-113
- CHOICE Uplink RLC mode		AM RLC		RBST-114
- Transmission RLC discard				RBST-115
- CHOICE SDU discard mode		No Discard		RBST-116
- MAX_DAT		15		RBST-117
- Transmission window size		Selected with Total RLC AM Buffer Size		RBST-118
- Timer_RST		500		RBST-119
- Max_RST		4		RBST-120
- Polling info				RBST-121
- Timer_poll_prohibit		400		RBST-122
- Timer_poll		400		RBST-123
- Poll_PDU		Not Present		RBST-124
- Poll_SDU		1		RBST-125
- Last transmission PDU poll		TRUE		RBST-126
- Last retransmission PDU poll		TRUE		RBST-127
- Poll_Windows		99		RBST-128
- Timer_poll_periodic		Not Present		RBST-129
- CHOICE Downlink RLC mode		AM RLC		RBST-130
- DL RLC PDU size	A6	1280 bits	Rel-5	RBST-131
- DL RLC PDU size	A7	2880 bits	Rel-5	RBST-132
- DL RLC PDU size	A8	3840 bits	Rel-5	RBST-133
- DL RLC PDU size	A9	336 bits	Rel-5	RBST-134
- In-sequence delivery	A6, A7, A8, A9	TRUE		RBST-135
- Receiving window size		Selected with Total RLC AM Buffer Size		RBST-136
- Downlink RLC status info				RBST-137
- Timer_status_prohibit		330		RBST-138
- Timer_EPC		Not Present		RBST-139
- Missing PDU indicator		TRUE		RBST-140
- Timer_STATUS_periodic		Not Present		RBST-141
- One sided RLC re-establishment		FALSE	Rel-5	RBST-142
- RB mapping info				RBST-143
- Information for each multiplexing option		2 RBMuxOptions		RBST-144
- RLC logical channel mapping indicator		Not Present		RBST-145
- Number of uplink RLC logical channels		1		RBST-146
- Uplink transport channel type		DCH		RBST-147
- UL Transport channel identity		1		RBST-148
- Logical channel identity		Not Present		RBST-149
- CHOICE RLC size list		Configured		RBST-150
- MAC logical channel priority		8		RBST-151
- Downlink RLC logical channel info				RBST-152
- Number of downlink RLC logical channels		1		RBST-153
- Downlink transport channel type		DCH		RBST-154
- DL DCH Transport channel identity		6		RBST-155
- DL DSCH Transport channel identity		Not Present		RBST-156
- Logical channel identity		Not Present		RBST-157
- RLC logical channel mapping indicator		Not Present		RBST-158
- Number of uplink RLC logical channels		1		RBST-159
- Uplink transport channel type		RACH		RBST-160
- UL Transport channel identity		Not Present		RBST-161
- Logical channel identity		7		RBST-162
- CHOICE RLC size list		Explicit list		RBST-163

Information Element	Condition	Value/remark	Version	Index
- RLC size index		Reference to clause 6 Parameter Set		RBST-164
- MAC logical channel priority		8		RBST-165
- Downlink RLC logical channel info				RBST-166
- Number of downlink RLC logical channels		1		RBST-167
- Downlink transport channel type		FACH		RBST-168
- DL DCH Transport channel identity		Not Present		RBST-169
- DL DSCH Transport channel identity		Not Present		RBST-170
- Logical channel identity		7		RBST-171
RB information to reconfigure list	A1, A3, A4, A5, A6, A7, A8, A9	Not Present	Rel-6	RBST-172
RB information to be affected list		Not Present		RBST-173
Downlink counter synchronization info		Not Present		RBST-174
PDCP ROHC target mode		Not Present	Rel-5	RBST-175
UL Transport channel information for all transport channels				RBST-176
- PRACH TFCS		Not Present		RBST-177
- CHOICE mode		FDD		RBST-178
- TFC subset		Not Present		RBST-179
- UL DCH TFCS				RBST-180
- CHOICE TFCI signalling		Normal		RBST-181
- TFCI Field 1 information				RBST-182
- CHOICE TFCS representation		Complete reconfiguration		RBST-183
- TFCS complete reconfigure information				RBST-184
- CHOICE CTFC Size		2 bit CTFC		RBST-185
- CTFC information		4 TFCs		RBST-186
- 2bit CTFC		0		RBST-187
-Power offset Information				RBST-188
- CHOICE Gain Factors		Computed Gain Factors		RBST-189
- Reference TFC ID		0		RBST-190
- CHOICE mode		FDD		RBST-191
- Power offset P_{p-m}		Not Present		RBST-192
- 2bit CTFC		2		RBST-193
- Power offset Information				RBST-194
- CHOICE Gain Factors		Computed Gain Factors		RBST-195
- Reference TFC ID		0		RBST-196
- CHOICE mode		FDD		RBST-197
- Power offset P_{p-m}		Not Present		RBST-198
- 2bit CTFC		1		RBST-199
- Power offset Information				RBST-200
- CHOICE Gain Factors		Computed Gain Factors		RBST-201
- Reference TFC ID		0		RBST-202
- CHOICE mode		FDD		RBST-203
- Power offset P_{p-m}		Not Present		RBST-204
- 2bit CTFC		3		RBST-205
- Power offset Information				RBST-206
- CHOICE Gain Factors		Signalled Gain Factors		RBST-207
- CHOICE mode		FDD		RBST-208
- Gain factor ßc		8		RBST-209
- Gain factor ßd		15		RBST-210
- Reference TFC ID		0		RBST-211
- CHOICE mode		FDD		RBST-212
- Power offset P_{p-m}		Not Present		RBST-213
Deleted UL TrCH information list		Not Present		RBST-214
Added or Reconfigured TrCH information list	A1	1		RBST-215
- Added or Reconfigured UL TrCH information				RBST-216
- Uplink transport channel type		DCH		RBST-217
- UL Transport channel identity		1		RBST-218
- TFS				RBST-219
- CHOICE Transport channel type		Dedicated transport channels		RBST-220

Information Element	Condition	Value/remark	Version	Index
- Dynamic Transport Format Information				RBST-221
- RLC size		244 bits		RBST-222
- Number of TBs and TTI List		2		RBST-223
- Transmission Time Interval		Not Present		RBST-224
- Number of Transport blocks		0		RBST-225
- Transmission Time Interval		Not Present		RBST-226
- Number of Transport blocks		1		RBST-227
- CHOICE Logical channel List		ALL		RBST-228
- Semi-static Transport Format Information				RBST-229
- Transmission time interval		20		RBST-230
- Type of channel coding		Convolutional		RBST-231
- Coding Rate		1/3		RBST-232
- Rate matching attribute		256		RBST-233
- CRC size		16		RBST-234
Added or Reconfigured TrCH information list	A3, A4, A5, A6, A7, A8, A9	1		RBST-235
- Added or Reconfigured UL TrCH information				RBST-236
- Uplink transport channel type		DCH		RBST-237
- UL Transport channel identity		1		RBST-238
- TFS				RBST-239
- CHOICE Transport channel type		Dedicated transport channels		RBST-240
- Dynamic Transport Format Information				RBST-241
- RLC size		240 bits		RBST-242
- Number of TBs and TTI List		2		RBST-243
- Transmission Time Interval		Not Present		RBST-244
- Number of Transport blocks		0		RBST-245
- Transmission Time Interval		Not Present		RBST-246
- Number of Transport blocks		1		RBST-247
- CHOICE Logical channel List		ALL		RBST-248
- Semi-static Transport Format Information				RBST-249
- Transmission time interval		20		RBST-250
- Type of channel coding		Convolutional		RBST-251
- Coding Rate		1/3		RBST-252
- Rate matching attribute		256		RBST-253
- CRC size		16		RBST-254
CHOICE mode	A1, A3, A4, A5, A6, A7, A8	Not Present		RBST-255
DL Transport channel information common for all transport channel				RBST-256
- SCCPCH TFCS		Not Present		RBST-257
- CHOICE mode		FDD		RBST-258
- CHOICE DL parameters		Same as UL		RBST-259
Deleted DL TrCH information list		Not Present		RBST-260
CHOICE mode	A9	Not Present		RBST-261
DL Transport channel information common for all transport channel				RBST-262
- SCCPCH TFCS		Not Present		RBST-263
- CHOICE mode		FDD		RBST-264
- CHOICE DL parameters		DL DCH TFCS		RBST-265
- DL DCH TFCS				RBST-266
- CHOICE TFCI signalling		Normal		RBST-267
- TFCI Field 1 information				RBST-268
- CHOICE TFCS representation		Complete reconfiguration		RBST-269
- TFCS complete reconfigure information				RBST-270
- CHOICE CTFC Size		4 bit CTFC		RBST-271
- CTFC information		6 TFCs		RBST-272
- 4bit CTFC		0		RBST-273
- Power offset Information				RBST-274
- CHOICE Gain Factors		Computed Gain Factors		RBST-275

Information Element	Condition	Value/remark	Version	Index
- Reference TFC ID		0		RBST-276
- CHOICE mode		FDD		RBST-277
- Power offset Pp-m		Not Present		RBST-278
- 4bit CTFC		3		RBST-279
- Power offset Information				RBST-280
- CHOICE Gain Factors		Computed Gain Factors		RBST-281
- Reference TFC ID		0		RBST-282
- CHOICE mode		FDD		RBST-283
- Power offset Pp-m		Not Present		RBST-284
- 4bit CTFC		1		RBST-285
- Power offset Information				RBST-286
- CHOICE Gain Factors		Computed Gain Factors		RBST-287
- Reference TFC ID		0		RBST-288
- CHOICE mode		FDD		RBST-289
- Power offset Pp-m		Not Present		RBST-290
- 4bit CTFC		4		RBST-291
- Power offset Information				RBST-292
- CHOICE Gain Factors		Computed Gain Factors		RBST-293
- Reference TFC ID		0		RBST-294
- CHOICE mode		FDD		RBST-295
- Power offset Pp-m		Not Present		RBST-296
- 4bit CTFC		2		RBST-297
- Power offset Information				RBST-298
- CHOICE Gain Factors		Computed Gain Factors		RBST-299
- Reference TFC ID		0		RBST-300
- CHOICE mode		FDD		RBST-301
- Power offset Pp-m		Not Present		RBST-302
- 4bit CTFC		5		RBST-303
- Power offset Information				RBST-304
- CHOICE Gain Factors		Signalled Gain Factors		RBST-305
- CHOICE mode		FDD		RBST-306
- Gain factor ßc		8		RBST-307
- Gain factor ßd		15		RBST-308
- Reference TFC ID		0		RBST-309
- CHOICE mode		FDD		RBST-310
- Power offset Pp-m		Not Present		RBST-311
Deleted DL TrCH information list		Not Present		RBST-312
Added or Reconfigured TrCH information list	A1	1		RBST-313
- Added or Reconfigured DL TrCH information				RBST-314
- Downlink transport channel type		DCH		RBST-315
- DL Transport channel identity		6		RBST-316
- CHOICE DL parameters		Same as UL		RBST-317
- Uplink transport channel type		DCH		RBST-318
- UL TrCH identity		1		RBST-319
- DCH quality target				RBST-320
- BLER Quality value		-20 (-2.0)		RBST-321
Added or Reconfigured TrCH information list	A3, A6	1		RBST-322
- Added or Reconfigured DL TrCH information				RBST-323
- Downlink transport channel type		DCH		RBST-324
- DL Transport channel identity		6		RBST-325
- CHOICE DL parameters		Explicit		RBST-326
- TFS				RBST-327
- CHOICE Transport channel type		Dedicated transport channels		RBST-328
- Dynamic transport format information				RBST-329
- RLC Size		1280 bits		RBST-330
- Number of TBs and TTI List		2		RBST-331
- Transmission Time Interval		Not Present		RBST-332
- Number of Transport blocks		0		RBST-333
- Transmission Time Interval		Not Present		RBST-334
- Number of Transport blocks		1		RBST-335
- CHOICE Logical channel list		ALL		RBST-336
- Semi-static Transport Format				RBST-337

Information Element	Condition	Value/remark	Version	Index
information				
- Transmission time interval		20		RBST-338
- Type of channel coding		Turbo		RBST-339
- Rate matching attribute		256		RBST-340
- CRC size		16		RBST-341
- DCH quality target				RBST-342
- BLER Quality value		-20 (-2.0)		RBST-343
Added or Reconfigured TrCH information list	A4, A7	1		RBST-344
- Added or Reconfigured DL TrCH information				RBST-345
- Downlink transport channel type		DCH		RBST-346
- DL Transport channel identity		6		RBST-347
- CHOICE DL parameters		Explicit		RBST-348
- TFS				RBST-349
- CHOICE Transport channel type		Dedicated transport channels		RBST-350
- Dynamic transport format information				RBST-351
- RLC Size		2880 bits		RBST-352
- Number of TBs and TTI List		2		RBST-353
- Transmission Time Interval		Not Present		RBST-354
- Number of Transport blocks		0		RBST-355
- Transmission Time Interval		Not Present		RBST-356
- Number of Transport blocks		1		RBST-357
- CHOICE Logical channel list		ALL		RBST-358
- Semi-static Transport Format information				RBST-359
- Transmission time interval		20		RBST-360
- Type of channel coding		Turbo		RBST-361
- Rate matching attribute		256		RBST-362
- CRC size		16		RBST-363
- DCH quality target				RBST-364
- BLER Quality value		-20 (-2.0)		RBST-365
Added or Reconfigured TrCH information list	A5, A8	1		RBST-366
- Added or Reconfigured DL TrCH information				RBST-367
- Downlink transport channel type		DCH		RBST-368
- DL Transport channel identity		6		RBST-369
- CHOICE DL parameters		Explicit		RBST-370
- TFS				RBST-371
- CHOICE Transport channel type		Dedicated transport channels		RBST-372
- Dynamic transport format information				RBST-373
- RLC Size		3840 bits		RBST-374
- Number of TBs and TTI List		2		RBST-375
- Transmission Time Interval		Not Present		RBST-376
- Number of Transport blocks		0		RBST-377
- Transmission Time Interval		Not Present		RBST-378
- Number of Transport blocks		1		RBST-379
- CHOICE Logical channel list		ALL		RBST-380
- Semi-static Transport Format information				RBST-381
- Transmission time interval		10		RBST-382
- Type of channel coding		Turbo		RBST-383
- Rate matching attribute		256		RBST-384
- CRC size		16		RBST-385
- DCH quality target				RBST-386
- BLER Quality value		-20 (-2.0)		RBST-387
Added or Reconfigured TrCH information list	A9	1		RBST-388
- Added or Reconfigured DL TrCH information				RBST-389
- Downlink transport channel type		DCH		RBST-390
- DL Transport channel identity		6		RBST-391
- CHOICE DL parameters		Explicit		RBST-392
- TFS				RBST-393

Information Element	Condition	Value/remark	Version	Index
- CHOICE Transport channel type		Dedicated transport channels		RBST-394
- Dynamic transport format information				RBST-395
- RLC Size		336 bits		RBST-396
- Number of TBs and TTI List		3		RBST-397
- Transmission Time Interval		Not Present		RBST-398
- Number of Transport blocks		0		RBST-399
- Transmission Time Interval		Not Present		RBST-400
- Number of Transport blocks		1		RBST-401
- Transmission Time Interval		Not Present		RBST-402
- Number of Transport blocks		4		RBST-403
- CHOICE Logical channel list		ALL		RBST-404
- Semi-static Transport Format information				RBST-405
- Transmission time interval		20		RBST-406
- Type of channel coding		Turbo		RBST-407
- Rate matching attribute		143		RBST-408
- CRC size		16		RBST-409
- DCH quality target				RBST-410
- BLER Quality value		-20 (-2.0)		RBST-411
Frequency info	A1, A3, A4, A5, A6, A7, A8, A9	Not Present		RBST-412
Multi-frequency Info		Not Present	Rel-7	RBST-413
DTX-DRX timing information		Not Present	Rel-7	RBST-414
DRX Information		Not Present	Rel-7	RBST-415
HS-SCCH less Information		Not Present	Rel-7	RBST-416
MIMO parameters		Not Present	Rel-7	RBST-417
Maximum allowed UL TX power		33dBm		RBST-418
CHOICE channel requirement		Uplink DPCH info	Rel-5 and earlier	RBST-419
Uplink DPCH info			Rel-6	RBST-420
- Uplink DPCH power control info				RBST-421
- CHOICE mode		FDD		RBST-422
- DPCCH power offset		-40 (-80dB) IE value will have no effect on the UE UL power when closed loop power control is active		RBST-423
- PC Preamble		1 frame		RBST-424
- SRB delay		7 frames		RBST-425
- Power Control Algorithm		Algorithm1		RBST-426
- TPC step size		0 (1dB)		RBST-427
- Δ_{ACK}		Not Present	Rel-5	RBST-428
- Δ_{NACK}		Not Present	Rel-5	RBST-429
- Ack-Nack repetition factor		Not Present	Rel-5	RBST-430
- CHOICE mode		FDD		RBST-431
- Scrambling code type		Long		RBST-432
- Scrambling code number		0 (0 to 16777215)		RBST-433
- Number of DPDCH		1		RBST-434
- spreading factor	A1, A3, A4, A5, A6, A7, A8, A9	64		RBST-435
- TFCI existence	A1, A3, A4, A5, A6, A7, A8, A9	TRUE		RBST-436
- Number of FBI bit		Not Present(0)		RBST-437
- Puncturing Limit		1		RBST-438
CHOICE Mode		FDD	R99 and Rel-4 only	RBST-439
- Downlink PDSCH information		Not Present	R99 and Rel-4 only	RBST-440
E-DCH Info		Not Present	Rel-6	RBST-441
Downlink HS-PDSCH Information		Not Present	Rel-5	RBST-442
Downlink information common for all radio links				RBST-443

Information Element	Condition	Value/remark	Version	Index
- Downlink DPCH info common for all RL				RBST-444
- Timing indicator		Maintain		RBST-445
- CFN-targetSFN frame offset		Not Present		RBST-446
- Downlink DPCH power control information				RBST-447
- CHOICE mode		FDD		RBST-448
- DPC mode		0 (single)		RBST-449
- CHOICE mode		FDD		RBST-450
- Power offset $P_{Pilot-DPDCH}$		0		RBST-451
- DL rate matching restriction information		Not Present		RBST-452
- Spreading factor	A1	128		RBST-453
- Fixed or Flexible Position		Fixed		RBST-454
- TFCI existence		TRUE		RBST-455
- CHOICE SF		128		RBST-456
- Number of bits for Pilot bits		8		RBST-457
- Spreading factor	A3, A6, A9	32		RBST-458
- Fixed or Flexible Position		Fixed		RBST-459
- TFCI existence		TRUE		RBST-460
- CHOICE SF		32		RBST-461
- Spreading factor	A4, A7	16		RBST-462
- Fixed or Flexible Position		Fixed		RBST-463
- TFCI existence		TRUE		RBST-464
- CHOICE SF		16		RBST-465
- Spreading factor	A5, A8	8		RBST-466
- Fixed or Flexible Position		Fixed		RBST-467
- TFCI existence		TRUE		RBST-468
- CHOICE SF		8		RBST-469
- CHOICE mode	A1, A3, A4, A5, A6, A7, A8, A9	FDD		RBST-470
- DPCH compressed mode info		Not Present		RBST-471
- TX Diversity mode		None		RBST-472
- SSDT information		Not Present	R99 and Rel-4 only	RBST-473
- Default DPCH Offset Value		Not Present		RBST-474
- MAC-hs reset indicator		Not Present	Rel-5	RBST-475
Downlink information per radio link list				RBST-476
- Downlink information for each radio link				RBST-477
- CHOICE mode		FDD		RBST-478
- Primary CPICH info				RBST-479
- Primary scrambling code		Reference to clause 6.1 "Default settings (FDD)"		RBST-480
- PDSCH with SHO DCH info		Not Present	R99 and Rel-4 only	RBST-481
- PDSCH code mapping		Not Present	R99 and Rel-4 only	RBST-482
- Serving HS-DSCH radio link indicator		FALSE	Rel-5	RBST-483
- Downlink DPCH info for each RL				RBST-484
- CHOICE mode		FDD		RBST-485
- Primary CPICH usage for channel estimation		Primary CPICH may be used		RBST-486
- DPCH frame offset		Set to value Default DPCH Offset Value (as currently stored in SS) mod 38 400		RBST-487
- Secondary CPICH info		Not Present		RBST-488
- DL channelisation code				RBST-489
- Secondary scrambling code		Not Present		RBST-490
- Spreading factor	A1	128		RBST-491
- Code number		96		RBST-492
- Spreading factor	A3, A6, A9	32		RBST-493
- Code number		24		RBST-494
- Spreading factor	A4, A7	16		RBST-495

Information Element	Condition	Value/remark	Version	Index
- Code number		12		RBST-496
- Spreading factor	A5, A8	8		RBST-497
- Code number		6		RBST-498
- Scrambling code change	A1, A3, A4, A5, A6, A7, A8, A9	No change		RBST-499
- TPC combination index		0		RBST-500
- SSDT Cell Identity		Not Present	R99 and Rel-4 only	RBST-501
- Closed loop timing adjustment mode		Not Present		RBST-502
- SCCPCH information for FACH		Not Present	R99 and Rel-4 only	RBST-503
MBMS PL Service Restriction Information		Not Present	Rel-6	RBST-504

Condition	Explanation	Version
A1	This IE is needed for "UE supports CS RAB for Test Loop Mode1 RMC 12.2/12.2 (TM)"	
A2	Not used	
A3	This IE is needed for "UE supports CS RAB for Test Loop Mode1 AMC 12.2/64 (AM)"	
A4	This IE is needed for "UE supports CS RAB for Test Loop Mode1 AMC 12.2/144 (AM)"	
A5	This IE is needed for "UE supports CS RAB for Test Loop Mode1 AMC 12.2/384 (AM)"	
A6	This IE is needed for "UE supports PS RAB for Test Loop Mode1 AMC 12.2/64 (AM)"	
A7	This IE is needed for "UE supports PS RAB for Test Loop Mode1 AMC 12.2/144 (AM)"	
A8	This IE is needed for "UE supports PS RAB for Test Loop Mode1 AMC 12.2/384 (AM)"	
A9	This IE is needed for "UE supports PS RAB for Test Loop Mode1 AMC 12.2/64(Channel2) (AM)"	

Contents of RADIO BEARER SETUP message: AM or UM (UE supports PS RAB only)

Information Element	Value/remark	Version	Index
Message Type			RBSP-001
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3		RBSP-002
Integrity check info			RBSP-003
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.		RBSP-004
- RRC message sequence number	SS provides the value of this IE, from its internal counter.		RBSP-005
Integrity protection mode info	Not Present		RBSP-006
Ciphering mode info	Not Present		RBSP-007
Activation time	(256+CFN-(CFN MOD 8 + 8)) MOD 256		RBSP-008
New U-RNTI	Not Present		RBSP-009
New C-RNTI	Not Present		RBSP-010
New DSCH-RNTI	Not Present	R99 and Rel-4 only	RBSP-011
New H-RNTI	Not Present	Rel-5	RBSP-012
New Primary E-RNTI	Not Present	Rel-6	RBSP-013
New Secondary E-RNTI	Not Present	Rel-6	RBSP-014
RRC State indicator	CELL_DCH		RBSP-015
UTRAN DRX cycle length coefficient	Not Present		RBSP-016
CN information info	Not Present		RBSP-017
URA identity	Not Present		RBSP-018
CHOICE specification mode	Complete specification	Rel-6	RBSP-019
- Signalling RB information to setup	Not Present		RBSP-020
- RAB information for setup list			RBSP-021
- RAB information for setup			RBSP-022
- RAB info	(AM DTCH for PS domain)		RBSP-023
- RAB identity	0000 0101B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.		RBSP-024

Information Element	Value/remark	Version	Index
- CN domain identity	PS domain		RBSP-025
- NAS Synchronization Indicator	Not Present		RBSP-026
- Re-establishment timer	useT315		RBSP-027
- RB information to setup			RBSP-028
- RB identity	20		RBSP-029
- PDCP info			RBSP-030
- Support for lossless SRNS relocation	FALSE		RBSP-031
- Max PDCP SN window size	Not present		RBSP-032
- PDCP PDU header	Absent		RBSP-033
- Header compression information	Not present		RBSP-034
- CHOICE RLC info type	RLC info		RBSP-035
- CHOICE Uplink RLC mode	AM RLC		RBSP-036
- Transmission RLC discard			RBSP-037
- CHOICE SDU discard mode	No Discard		RBSP-038
- MAX_DAT	15		RBSP-039
- Transmission window size	128		RBSP-040
- Timer_RST	500		RBSP-041
- Max_RST	4		RBSP-042
- Polling info			RBSP-043
- Timer_poll_prohibit	200		RBSP-044
- Timer_poll	200		RBSP-045
- Poll_PDU	Not Present		RBSP-046
- Poll_SDU	1		RBSP-047
- Last transmission PDU poll	TRUE		RBSP-048
- Last retransmission PDU poll	TRUE		RBSP-049
- Poll_Windows	99		RBSP-050
- Timer_poll_periodic	Not Present		RBSP-051
- CHOICE Downlink RLC mode	AM RLC		RBSP-052
- DL RLC PDU size	Reference to clause 6 Parameter Set	Rel-5	RBSP-053
- In-sequence delivery	TRUE		RBSP-054
- Receiving window size	128		RBSP-055
- Downlink RLC status info			RBSP-056
- Timer_status_prohibit	200		RBSP-057
- Timer_EPC	Not Present		RBSP-058
- Missing PDU indicator	TRUE		RBSP-059
- Timer_STATUS_periodic	Not Present		RBSP-060
- RB mapping info			RBSP-061
- Information for each multiplexing option	2 RBMuxOptions		RBSP-062
- RLC logical channel mapping indicator	Not Present		RBSP-063
- Number of uplink RLC logical channels	1		RBSP-064
- Uplink transport channel type	DCH		RBSP-065
- UL Transport channel identity	1		RBSP-066
- Logical channel identity	Not Present		RBSP-067
- CHOICE RLC size list	Configured		RBSP-068
- MAC logical channel priority	8		RBSP-069
- Downlink RLC logical channel info			RBSP-070
- Number of downlink RLC logical channels	1		RBSP-071
- Downlink transport channel type	DCH		RBSP-072
- DL DCH Transport channel identity	6		RBSP-073
- DL DSCH Transport channel identity	Not Present		RBSP-074
- Logical channel identity	Not Present		RBSP-075
- RLC logical channel mapping indicator	Not Present		RBSP-076
- Number of uplink RLC logical channels	1		RBSP-077
- Uplink transport channel type	RACH		RBSP-078
- UL Transport channel identity	Not Present		RBSP-079
- Logical channel identity	7		RBSP-080
- CHOICE RLC size list	Explicit list		RBSP-081
- RLC size index	Reference to clause 6 Parameter Set		RBSP-082
- MAC logical channel priority	8		RBSP-083
- Downlink RLC logical channel info			RBSP-084
- Number of downlink RLC logical channels	1		RBSP-085
- Downlink transport channel type	FACH		RBSP-086
- DL DCH Transport channel identity	Not Present		RBSP-087
- DL DSCH Transport channel identity	Not Present		RBSP-088
- Logical channel identity	7		RBSP-089

Information Element	Value/remark	Version	Index
RB information to reconfigure list	Not Present	Rel-6	RBSP-090
RB information to be affected list	Not Present		RBSP-091
Downlink counter synchronization info	Not Present		RBSP-092
UL Transport channel information for all transport channels			RBSP-093
- PRACH TFCS	Not Present		RBSP-094
- CHOICE mode	FDD		RBSP-095
- TFC subset	Not Present		RBSP-096
- UL DCH TFCS			RBSP-097
- CHOICE TFCI signalling	Normal		RBSP-098
- TFCI Field 1 information			RBSP-099
- CHOICE TFCS representation	Complete reconfiguration		RBSP-100
- TFCS complete reconfigure information			RBSP-101
- CHOICE CTFC Size	Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4 Parameter Set.		RBSP-102
- CTFC information	This IE is repeated for TFC numbers and reference to clause 6.10.2.4 Parameter Set		RBSP-103
- CTFC	Reference to clause 6.10.2.4 Parameter Set		RBSP-104
- Power offset information			RBSP-105
- CHOICE Gain Factors	Computed Gain Factors(The last TFC is set to Signalled Gain Factors)		RBSP-106
- Gain factor βc	11 (below 64 kbps) 9 (higher than 64 kbps) (Not Present if the CHOICE Gain Factors is set to Computed Gain Factors)		RBSP-107
- Gain factor βd	15 (Not Present if the CHOICE Gain Factors is set to Computed Gain Factors)		RBSP-108
- Reference TFC ID	0		RBSP-109
- CHOICE mode	FDD		RBSP-110
- Power offset P p-m	Not Present		RBSP-111
Deleted UL TrCH information list	Not Present		RBSP-112
Added or Reconfigured UL TrCH information list	1		RBSP-113
Added or Reconfigured UL TrCH information	1 DCH added, 1 DCH reconfigured		RBSP-114
- Uplink transport channel type	DCH		RBSP-115
- UL Transport channel identity	1		RBSP-116
- TFS			RBSP-117
- CHOICE Transport channel type	Dedicated transport channels		RBSP-118
- Dynamic Transport format information			RBSP-119
- RLC Size	Reference to clause 6.10 Parameter Set		RBSP-120
- Number of TBs and TTI List	(This IE is repeated for TFI number.)		RBSP-121
- Transmission Time Interval	Not Present		RBSP-122
- Number of Transport blocks	Reference to clause 6.10 Parameter Set		RBSP-123
- CHOICE Logical channel list	All		RBSP-124
- Semi-static Transport Format information			RBSP-125
- Transmission time interval	Reference to clause 6.10 Parameter Set		RBSP-126
- Type of channel coding	Reference to clause 6.10 Parameter Set		RBSP-127
- Coding Rate	Reference to clause 6.10 Parameter Set		RBSP-128
- Rate matching attribute	Reference to clause 6.10 Parameter Set		RBSP-129
- CRC size	Reference to clause 6.10 Parameter Set		RBSP-130
- Uplink transport channel type	DCH		RBSP-131
- UL Transport channel identity	5		RBSP-132
- TFS			RBSP-133
- CHOICE Transport channel type	Dedicated transport channels		RBSP-134
- Dynamic Transport format information			RBSP-135
- RLC Size	Reference to clause 6.10 Parameter Set		RBSP-136
- Number of TBs and TTI List	(This IE is repeated for TFI number.)		RBSP-137
- Transmission Time Interval	Not Present		RBSP-138
- Number of Transport blocks	Reference to clause 6.10 Parameter Set		RBSP-139
- CHOICE Logical channel list	All		RBSP-140
- Semi-static Transport Format information			RBSP-141
- Transmission time interval	Reference to clause 6.10 Parameter Set		RBSP-142
- Type of channel coding	Reference to clause 6.10 Parameter Set		RBSP-143
- Coding Rate	Reference to clause 6.10 Parameter Set		RBSP-144

Information Element	Value/remark	Version	Index
- Rate matching attribute	Reference to clause 6.10 Parameter Set		RBSP-145
- CRC size	Reference to clause 6.10 Parameter Set		RBSP-146
CHOICE mode	Not Present		RBSP-147
DL Transport channel information common for all transport channel			RBSP-148
- SCCPCH TFCS	Not Present		RBSP-149
- CHOICE mode	FDD		RBSP-150
- CHOICE DL parameters	Explicit		RBSP-151
- DL DCH TFCS			RBSP-152
- CHOICE TFCI Signalling	Normal		RBSP-153
- TFCI Field 1 Information			RBSP-154
- CHOICE TFCS representation	Complete reconfiguration		RBSP-155
- TFCS complete reconfigure			RBSP-156
- CHOICE CTFC Size	Number of bits used must be enough to cover all combinations of CTFC from clause 6.10.2.4 Parameter Set.		RBSP-157
- CTFC information	This IE is repeated for TFC numbers and reference to clause 6.10.2.4		RBSP-158
- CTFC	Reference to clause 6.10.2.4 Parameter Set		RBSP-159
- Power offset information	Not Present		RBSP-160
Added or Reconfigured DL TrCH information list	1		RBSP-161
Added or Reconfigured DL TrCH information	2 TrCHs(DCH for DCCH and DCH for DTCH)		RBSP-162
- Downlink transport channel type	DCH		RBSP-163
- DL Transport channel identity	10		RBSP-164
- CHOICE DL parameters	Same as UL		RBSP-165
- Uplink transport channel type	DCH		RBSP-166
- UL TrCH identity	5		RBSP-167
- DCH quality target			RBSP-168
- BLER Quality value	-20 (-2.0)		RBSP-169
- Downlink transport channel type	DCH		RBSP-170
- DL Transport channel identity	6		RBSP-171
- CHOICE DL parameters	Explicit		RBSP-172
- TFS			RBSP-173
- CHOICE Transport channel type	Dedicated transport channel		RBSP-174
- Dynamic transport format information			RBSP-175
- RLC Size	Reference to clause 6.10 Parameter Set		RBSP-176
- Number of TBs and TTI List	(This IE is repeated for TFI number.)		RBSP-177
- Dynamic transport format information			RBSP-178
- Transmission Time Interval	Not Present		RBSP-179
- Number of Transport blocks	Reference to clause 6.10 Parameter Set		RBSP-180
- CHOICE Logical channel list	All		RBSP-181
- Semi-static Transport Format information			RBSP-182
- Transmission time interval	Reference to clause 6.10 Parameter Set		RBSP-183
- Type of channel coding	Reference to clause 6.10 Parameter Set		RBSP-184
- Coding Rate	Reference to clause 6.10 Parameter Set		RBSP-185
- Rate matching attribute	Reference to clause 6.10 Parameter Set		RBSP-186
- CRC size	Reference to clause 6.10 Parameter Set		RBSP-187
- DCH quality target			RBSP-188
- BLER Quality value	-20 (-2.0)		RBSP-189
Frequency info	Not Present		RBSP-190
Multi-frequency Info	Not present	Rel-7	RBSP-191
DTX-DRX timing information	Not present	Rel-7	RBSP-192
DRX Information	Not present	Rel-7	RBSP-193
HS-SCCH less Information	Not present	Rel-7	RBSP-194
MIMO parameters	Not present	Rel-7	RBSP-195
Maximum allowed UL TX power	33dBm		RBSP-196
CHOICE channel requirement	Uplink DPCH info	Rel-5 and earlier	RBSP-197
Uplink DPCH info		Rel-6	RBSP-198
- Uplink DPCH power control info			RBSP-199
- CHOICE mode	FDD		RBSP-200
- DPCCH power offset	-40 (-80dB) IE value will have no effect on the UE UL power when closed loop power control is active		RBSP-201
- PC Preamble	1 frame		RBSP-202

Information Element	Value/remark	Version	Index
- SRB delay	7 frames		RBSP-203
- Power Control Algorithm	Algorithm1		RBSP-204
- TPC step size	0 (1dB)		RBSP-205
- Δ_{ACK}	Not Present	Rel-5	RBSP-206
- Δ_{NACK}	Not Present	Rel-5	RBSP-207
- Ack-Nack repetition factor	Not Present	Rel-5	RBSP-208
- CHOICE mode	FDD		RBSP-209
- Scrambling code type	Long		RBSP-210
- Scrambling code number	0 (0 to 16777215)		RBSP-211
- Number of DPDCH	1		RBSP-212
- spreading factor	64		RBSP-213
- TFCI existence	TRUE		RBSP-214
- Number of FBI bit	Not Present(0)		RBSP-215
- Puncturing Limit	1		RBSP-216
CHOICE Mode	FDD	R99 and Rel-4 only	RBSP-217
E-DCH Info	Not Present	Rel-6	RBSP-218
- Downlink PDSCH information	Not Present	R99 and Rel-4 only	RBSP-219
Downlink HS-PDSCH Information	Not Present	Rel-5	RBSP-220
Downlink information common for all radio links			RBSP-221
- Downlink DPCH info common for all RL			RBSP-222
- Timing indicator	Maintain		RBSP-223
- CFN-targetSFN frame offset	Not Present		RBSP-224
- Downlink DPCH power control information			RBSP-225
- CHOICE mode	FDD		RBSP-226
- DPC mode	0 (single)		RBSP-227
- CHOICE mode	FDD		RBSP-228
- Power offset $P_{Pilot-DPDCH}$	0		RBSP-229
- DL rate matching restriction information	Not Present		RBSP-230
- Spreading factor	Reference to clause 6.10 Parameter Set		RBSP-231
- Fixed or Flexible Position	Reference to clause 6.10 Parameter Set		RBSP-232
- TFCI existence	Reference to clause 6.10 Parameter Set		RBSP-233
- CHOICE SF	Reference to clause 6.10 Parameter Set		RBSP-234
- CHOICE mode	FDD		RBSP-235
- DPCH compressed mode info	Not Present		RBSP-236
- TX Diversity mode	None		RBSP-237
- SSDT information	Not Present	R99 and Rel-4 only	RBSP-238
- Default DPCH Offset Value	Not Present		RBSP-239
- MAC-hs reset indicator	Not Present	Rel-5	RBSP-240
- Post-verification period	Not Present	Rel-6	RBSP-241
Downlink information per radio link list			RBSP-242
- Downlink information for each radio link			RBSP-243
- CHOICE mode	FDD		RBSP-244
- Primary CPICH info			RBSP-245
- Primary scrambling code	Reference to clause 6.1 "Default settings (FDD)"		RBSP-246
- PDSCH with SHO DCH info	Not Present	R99 and Rel-4 only	RBSP-247
- PDSCH code mapping	Not Present	R99 and Rel-4 only	RBSP-248
- Downlink DPCH info for each RL			RBSP-249
- CHOICE mode	FDD		RBSP-250
- Primary CPICH usage for channel estimation	Primary CPICH may be used		RBSP-251
- DPCH frame offset	Set to value Default DPCH Offset Value (as currently stored in SS) mod 38 400		RBSP-252
- Secondary CPICH info	Not Present		RBSP-253
- DL channelisation code			RBSP-254
- Secondary scrambling code	Not present		RBSP-255
- Spreading factor	Reference to clause 6.10 Parameter Set		RBSP-256
- Code number	Depends upon radio bearer used.		RBSP-257
- Scrambling code change	No change		RBSP-258
- TPC combination index	0		RBSP-259
- SSDT Cell Identity	Not Present	R99 and	RBSP-260

Information Element	Value/remark	Version	Index
- Closed loop timing adjustment mode	Not Present	Rel-4 only	RBSP-261
- SCCPCH information for FACH	Not Present	R99 and Rel-4 only	RBSP-262
MBMS PL Service Restriction Information	Not Present	Rel-6	RBSP-263

Contents of RADIO BEARER SETUP message: AM or UM (UE supports CS RAB for Test Loop Mode 2)

Information Element	Value/remark	Version	Index
Message Type			RBSC-001
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3		RBSC-002
Integrity check info			RBSC-003
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.		RBSC-004
- RRC message sequence number	SS provides the value of this IE, from its internal counter.		RBSC-005
Integrity protection mode info	Not Present		RBSC-006
Ciphering mode info	Not Present		RBSC-007
Activation time	(256+CFN-(CFN MOD 8 + 8)) MOD 256		RBSC-008
New U-RNTI	Not Present		RBSC-009
New C-RNTI	Not Present		RBSC-010
New DSCH-RNTI	Not Present	R99 and Rel-4 only	RBSC-011
New H-RNTI	Not Present	Rel-5	RBSC-012
New Primary E-RNTI	Not Present	Rel-6	RBSC-013
New Secondary E-RNTI	Not Present	Rel-6	RBSC-014
RRC State indicator	CELL_DCH		RBSC-015
UTRAN DRX cycle length coefficient	Not Present		RBSC-016
CN information info	Not Present		RBSC-017
URA identity	Not Present		RBSC-018
CHOICE specification mode	Complete specification	Rel-6	RBSC-019
Signalling RB information to setup	Not Present		RBSC-020
RAB information for setup list			RBSC-021
- RAB information for setup			RBSC-022
- RAB info			RBSC-023
- RAB identity	0000 0001B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.		RBSC-024
- CN domain identity	CS domain		RBSC-025
- NAS Synchronization Indicator	Not Present		RBSC-026
- Re-establishment timer	UseT314		RBSC-027
- RB information to setup list			RBSC-028
- RB information to setup			RBSC-029
- RB identity	10		RBSC-030
- PDCP info	Not Present		RBSC-031
- CHOICE RLC info type	RLC info		RBSC-032
- CHOICE Uplink RLC mode	TM RLC		RBSC-033
- Transmission RLC discard	Not Present		RBSC-034
- Segmentation indication	FALSE		RBSC-035
- CHOICE Downlink RLC mode	TM RLC		RBSC-036
- Segmentation indication	FALSE		RBSC-037
- RB mapping info			RBSC-038
- Information for each multiplexing option			RBSC-039
- RLC logical channel mapping indicator	Not Present		RBSC-040
- Number of uplink RLC logical channels	1		RBSC-041
- Uplink transport channel type	DCH		RBSC-042
- UL Transport channel identity	1		RBSC-043
- Logical channel identity	Not Present		RBSC-044
- CHOICE RLC size list	Configured		RBSC-045
- MAC logical channel priority	7		RBSC-046
- Downlink RLC logical channel info			RBSC-047
- Number of downlink RLC logical	1		RBSC-048

Information Element	Value/remark	Version	Index
channels			
- Downlink transport channel type	DCH		RBSC-049
- DL DCH Transport channel identity	6		RBSC-050
- DL DSCH Transport channel identity	Not Present		RBSC-051
- Logical channel identity	Not Present		RBSC-052
RB information to reconfigure list	Not Present	Rel-6	RBSC-053
RB information to be affected list	Not Present		RBSC-054
Downlink counter synchronization info	Not Present		RBSC-055
UL Transport channel information for all transport channels			RBSC-056
- PRACH TFCS	Not Present		RBSC-057
- CHOICE mode	FDD		RBSC-058
- TFC subset	Not Present		RBSC-059
- UL DCH TFCS			RBSC-060
- CHOICE TFCI signalling	Normal		RBSC-061
- TFCI Field 1 information			RBSC-062
- CHOICE TFCS representation	Complete reconfiguration		RBSC-063
- TFCS complete reconfigure information			RBSC-064
- CHOICE CTFC Size	2 bit CTFC		RBSC-065
- CTFC information	4 TFCs		RBSC-066
- 2bit CTFC	0		RBSC-067
- Power offset Information			RBSC-068
- CHOICE Gain Factors	Computed Gain Factors		RBSC-069
- Reference TFC ID	0		RBSC-070
- CHOICE mode	FDD		RBSC-071
- Power offset P_{p-m}	Not Present		RBSC-072
- 2bit CTFC	2		RBSC-073
- Power offset Information			RBSC-074
- CHOICE Gain Factors	Computed Gain Factors		RBSC-075
- Reference TFC ID	0		RBSC-076
- CHOICE mode	FDD		RBSC-077
- Power offset P_{p-m}	Not Present		RBSC-078
- 2bit CTFC	1		RBSC-079
- Power offset Information			RBSC-080
- CHOICE Gain Factors	Computed Gain Factors		RBSC-081
- Reference TFC ID	0		RBSC-082
- CHOICE mode	FDD		RBSC-083
- Power offset P_{p-m}	Not Present		RBSC-084
- 2bit CTFC	3		RBSC-085
- Power offset Information			RBSC-086
- CHOICE Gain Factors	Signalled Gain Factors		RBSC-087
- CHOICE mode	FDD		RBSC-088
- Gain factor ßc	8		RBSC-089
- Gain factor ßd	15		RBSC-090
- Reference TFC ID	0		RBSC-091
- CHOICE mode	FDD		RBSC-092
- Power offset P_{p-m}	Not Present		RBSC-093
Deleted UL TrCH information list	Not Present		RBSC-094
Added or Reconfigured UL TrCH information list	1		RBSC-095
- Added or Reconfigured UL TrCH information			RBSC-096
- Uplink transport channel type	DCH		RBSC-097
- UL Transport channel identity	1		RBSC-098
- TFS			RBSC-099
- CHOICE Transport channel type	Dedicated transport channels		RBSC-100
- Dynamic Transport Format Information			RBSC-101
- RLC size	260 bits		RBSC-102
- Number of TBs and TTI List	2		RBSC-103
- Transmission Time Interval	Not Present		RBSC-104
- Number of Transport blocks	0		RBSC-105
- Transmission Time Interval	Not Present		RBSC-106
- Number of Transport blocks	1		RBSC-107
- CHOICE Logical channel List	ALL		RBSC-108
- Semi-static Transport Format Information			RBSC-109
- Transmission time interval	20		RBSC-110
- Type of channel coding	Convolutional		RBSC-111

Information Element	Value/remark	Version	Index
- Coding Rate	1/3		RBSC-112
- Rate matching attribute	256		RBSC-113
- CRC size	0		RBSC-114
CHOICE mode	Not Present		RBSC-115
DL Transport channel information common for all transport channel			RBSC-116
- SCCPCH TFCS	Not Present		RBSC-117
- CHOICE mode	FDD		RBSC-118
- CHOICE DL parameters	Same as UL		RBSC-119
Deleted DL TrCH information list	Not Present		RBSC-120
Added or Reconfigured DL TrCH information list	1		RBSC-121
- Added or Reconfigured DL TrCH information			RBSC-122
- Downlink transport channel type	DCH		RBSC-123
- DL Transport channel identity	6		RBSC-124
- CHOICE DL parameters			RBSC-125
- CHOICE Transport channel type	Dedicated transport channels		RBSC-126
- Dynamic Transport Format Information			RBSC-127
- RLC size	244 bits		RBSC-128
- Number of TBs and TTI List	2		RBSC-129
- Transmission Time Interval	Not Present		RBSC-130
- Number of Transport blocks	0		RBSC-131
- Transmission Time Interval	Not Present		RBSC-132
- Number of Transport blocks	1		RBSC-133
- CHOICE Logical channel List	ALL		RBSC-134
- Semi-static Transport Format Information			RBSC-135
- Transmission time interval	20		RBSC-136
- Type of channel coding	Convolutional		RBSC-137
- Coding Rate	1/3		RBSC-138
- Rate matching attribute	256		RBSC-139
- CRC size	16		RBSC-140
- DCH quality target			RBSC-141
- BLER Quality value	-20 (-2.0)		RBSC-142
Frequency info	Not Present		RBSC-143
Multi-frequency Info	Not present	Rel-7	RBSC-144
DTX-DRX timing information	Not present	Rel-7	RBSC-145
DRX Information	Not present	Rel-7	RBSC-146
HS-SCCH less Information	Not present	Rel-7	RBSC-147
MIMO parameters	Not present	Rel-7	RBSC-148
Maximum allowed UL TX power	33dBm		RBSC-149
CHOICE channel requirement	Uplink DPCH info	Rel-5 and earlier	RBSC-150
Uplink DPCH info		Rel-6	RBSC-151
- Uplink DPCH power control info			RBSC-152
- CHOICE mode	FDD		RBSC-153
- DPCCH power offset	-40 (-80dB) IE value will have no effect on the UE UL power when closed loop power control is active		RBSC-154
- PC Preamble	1 frame		RBSC-155
- SRB delay	7 frames		RBSC-156
- Power Control Algorithm	Algorithm1		RBSC-157
- TPC step size	0 (1dB)		RBSC-158
- Δ_{ACK}	Not Present	Rel-5	RBSC-159
- Δ_{NACK}	Not Present	Rel-5	RBSC-160
- Ack-Nack repetition factor	Not Present	Rel-5	RBSC-161
- CHOICE mode	FDD		RBSC-162
- Scrambling code type	Long		RBSC-163
- Scrambling code number	0 (0 to 16777215)		RBSC-164
- Number of DPDCH	1		RBSC-165
- spreading factor	64		RBSC-166
- TFCI existence	TRUE		RBSC-167
- Number of FBI bit	Not Present(0)		RBSC-168
- Puncturing Limit	1		RBSC-169
CHOICE Mode	FDD	R99 and Rel-4 only	RBSC-170
- Downlink PDSCH information	Not Present	R99 and Rel-4 only	RBSC-171
E-DCH Info	Not Present	Rel-6	RBSC-172

Information Element	Value/remark	Version	Index
Downlink HS-PDSCH Information	Not Present	Rel-5	RBSC-173
Downlink information common for all radio links			RBSC-174
- Downlink DPCH info common for all RL			RBSC-175
- Timing indicator	Maintain		RBSC-176
- CFN-targetSFN frame offset	Not Present		RBSC-177
- Downlink DPCH power control information			RBSC-178
- CHOICE mode	FDD		RBSC-179
- DPC mode	0 (single)		RBSC-180
- CHOICE mode	FDD		RBSC-181
- Power offset $P_{Pilot-DPDCH}$	0		RBSC-182
- DL rate matching restriction information	Not Present		RBSC-183
- Spreading factor	128		RBSC-184
- Fixed or Flexible Position	Fixed		RBSC-185
- TFCI existence	TRUE		RBSC-186
- CHOICE SF	128		RBSC-187
- Number of bits for Pilot bits	8		RBSC-188
- CHOICE mode	FDD		RBSC-189
- DPCH compressed mode info	Not Present		RBSC-190
- TX Diversity mode	None		RBSC-191
- SSDT information	Not Present	R99 and Rel-4 only	RBSC-192
- Default DPCH Offset Value	Not Present		RBSC-193
- MAC-hs reset indicator	Not Present	Rel-5	RBSC-194
- Post-verification period	Not Present	Rel-6	RBSC-195
Downlink information for per radio link list			RBSC-196
- Downlink information for each radio link			RBSC-197
- CHOICE mode	FDD		RBSC-198
- Primary CPICH info			RBSC-199
- Primary scrambling code	Reference to clause 6.1 "Default settings (FDD)"		RBSC-200
- PDSCH with SHO DCH info	Not Present	R99 and Rel-4 only	RBSC-201
- PDSCH code mapping	Not Present	R99 and Rel-4 only	RBSC-202
- Downlink DPCH info for each RL			RBSC-203
- CHOICE mode	FDD		RBSC-204
- Primary CPICH usage for channel estimation	Primary CPICH may be used		RBSC-205
- DPCH frame offset	Set to value Default DPCH Offset Value (as currently stored in SS) mod 38 400		RBSC-206
- Secondary CPICH info	Not Present		RBSC-207
- DL channelisation code			RBSC-208
- Secondary scrambling code	Not Present		RBSC-209
- Spreading factor	128		RBSC-210
- Code number	96		RBSC-211
- Scrambling code change	No change		RBSC-212
- TPC combination index	0		RBSC-213
- SSDT Cell Identity	Not Present	R99 and Rel-4 only	RBSC-214
- Closed loop timing adjustment mode	Not Present		RBSC-215
- SCCPCH information for FACH	Not Present	R99 and Rel-4 only	RBSC-216
MBMS PL Service Restriction Information	Not Present	Rel-6	RBSC-217

Information Element	Condition	Value/remark	Version	Index
Message Type	A1, A2			RBS2-001
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3		RBS2-002
Integrity check info				RBS2-003
- message authentication code		SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.		RBS2-004
- RRC message sequence number		SS provides the value of this IE, from its internal counter.		RBS2-005
Integrity protection mode info		Not Present		RBS2-006

Information Element	Condition	Value/remark	Version	Index
Ciphering mode info		Not Present		RBS2-007
Activation time		(256+CFN-(CFN MOD 8 + 8)) MOD 256		RBS2-008
New U-RNTI		Not Present		RBS2-009
New C-RNTI		Not Present		RBS2-010
New DSCH-RNTI		Not Present	R99 and Rel-4 only	RBS2-011
New H-RNTI		Not Present	Rel-5	RBS2-012
New Primary E-RNTI		Not Present	Rel-6	RBS2-013
New Secondary E-RNTI		Not Present	Rel-6	RBS2-014
RRC State indicator		CELL_DCH		RBS2-015
UTRAN DRX cycle length coefficient		Not Present		RBS2-016
CN information info		Not Present		RBS2-017
URA identity		Not Present		RBS2-018
CHOICE specification mode		Complete specification	Rel-6	RBS2-019
Signalling RB information to setup		Not Present		RBS2-020
RAB information for setup list				RBS2-021
- RAB information for setup				RBS2-022
- RAB info				RBS2-023
- RAB identity		0000 0001B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.		RBS2-024
- CN domain identity		CS domain		RBS2-025
- NAS Synchronization Indicator		Not Present		RBS2-026
- Re-establishment timer		UseT314		RBS2-027
- RB information to setup list				RBS2-028
- RB information to setup				RBS2-029
- RB identity		10		RBS2-030
- PDCP info		Not Present		RBS2-031
- CHOICE RLC info type		RLC info		RBS2-032
- CHOICE Uplink RLC mode		TM RLC		RBS2-033
- Transmission RLC discard		Not Present		RBS2-034
- Segmentation indication		FALSE		RBS2-035
- CHOICE Downlink RLC mode		TM RLC		RBS2-036
- Segmentation indication		FALSE		RBS2-037
- RB mapping info				RBS2-038
- Information for each multiplexing option				RBS2-039
- RLC logical channel mapping indicator		Not Present		RBS2-040
- Number of uplink RLC logical channels		1		RBS2-041
- Uplink transport channel type		DCH		RBS2-042
- UL Transport channel identity		1		RBS2-043
- Logical channel identity		Not Present		RBS2-044
- CHOICE RLC size list		Configured		RBS2-045
- MAC logical channel priority		7		RBS2-046
- Downlink RLC logical channel info				RBS2-047
- Number of downlink RLC logical channels		1		RBS2-048
- Downlink transport channel type		DCH		RBS2-049
- DL DCH Transport channel identity		6		RBS2-050
- DL DSCH Transport channel identity		Not Present		RBS2-051
- Logical channel identity		Not Present		RBS2-052
RB information to reconfigure list		Not Present	Rel-6	RBS2-053
RB information to be affected list		Not Present		RBS2-054
Downlink counter synchronization info		Not Present		RBS2-055
UL Transport channel information for all transport channels				RBS2-056
- PRACH TFCS		Not Present		RBS2-057
- CHOICE mode		FDD		RBS2-058
- TFC subset		Not Present		RBS2-059
- UL DCH TFCS				RBS2-060
- CHOICE TFCI signalling		Normal		RBS2-061
- TFCI Field 1 information				RBS2-062
- CHOICE TFCS representation		Complete reconfiguration		RBS2-063
- TFCS complete reconfigure information				RBS2-064
- CHOICE CTFC Size	A1	2 bit CTFC		RBS2-065

Information Element	Condition	Value/remark	Version	Index
- CTFC information		4 TFCs		RBS2-066
- 2bit CTFC		0		RBS2-067
- Power offset Information				RBS2-068
- CHOICE Gain Factors		Computed Gain Factors		RBS2-069
- Reference TFC ID		0		RBS2-070
- CHOICE mode		FDD		RBS2-071
- Power offset P_{p-m}		Not Present		RBS2-072
- 2bit CTFC		2		RBS2-073
- Power offset Information				RBS2-074
- CHOICE Gain Factors		Computed Gain Factors		RBS2-075
- Reference TFC ID		0		RBS2-076
- CHOICE mode		FDD		RBS2-077
- Power offset P_{p-m}		Not Present		RBS2-078
- 2bit CTFC		1		RBS2-079
- Power offset Information				RBS2-080
- CHOICE Gain Factors		Computed Gain Factors		RBS2-081
- Reference TFC ID		0		RBS2-082
- CHOICE mode		FDD		RBS2-083
- Power offset P_{p-m}		Not Present		RBS2-084
- 2bit CTFC		3		RBS2-085
- Power offset Information				RBS2-086
- CHOICE Gain Factors		Signalled Gain Factors		RBS2-087
- CHOICE mode		FDD		RBS2-088
- Gain factor ßc		8		RBS2-089
- Gain factor ßd		15		RBS2-090
- Reference TFC ID		0		RBS2-091
- CHOICE mode		FDD		RBS2-092
- Power offset P_{p-m}		Not Present		RBS2-093
- CHOICE CTFC Size	A2	4 bit CTFC		RBS2-094
- CTFC information		6 TFCs		RBS2-095
- 4bit CTFC		0		RBS2-096
- Power offset Information				RBS2-097
- CHOICE Gain Factors		Computed Gain Factors		RBS2-098
- Reference TFC ID		0		RBS2-099
- CHOICE mode		FDD		RBS2-100
- Power offset P_{p-m}		Not Present		RBS2-101
- 4bit CTFC		3		RBS2-102
- Power offset Information				RBS2-103
- CHOICE Gain Factors		Computed Gain Factors		RBS2-104
- Reference TFC ID		0		RBS2-105
- CHOICE mode		FDD		RBS2-106
- Power offset P_{p-m}		Not Present		RBS2-107
- 4bit CTFC		1		RBS2-108
- Power offset Information				RBS2-109
- CHOICE Gain Factors		Computed Gain Factors		RBS2-110
- Reference TFC ID		0		RBS2-111
- CHOICE mode		FDD		RBS2-112
- Power offset P_{p-m}		Not Present		RBS2-113
- 4bit CTFC		4		RBS2-114
- Power offset Information				RBS2-115
- CHOICE Gain Factors		Computed Gain Factors		RBS2-116
- Reference TFC ID		0		RBS2-117
- CHOICE mode		FDD		RBS2-118
- Power offset P_{p-m}		Not Present		RBS2-119
- 4bit CTFC		2		RBS2-120
- Power offset Information				RBS2-121
- CHOICE Gain Factors		Computed Gain Factors		RBS2-122
- Reference TFC ID		0		RBS2-123
- CHOICE mode		FDD		RBS2-124
- Power offset P_{p-m}		Not Present		RBS2-125
- 4bit CTFC		5		RBS2-126
- Power offset Information				RBS2-127
- CHOICE Gain Factors		Signalled Gain Factors		RBS2-128
- CHOICE mode		FDD		RBS2-129
- Gain factor ßc		8		RBS2-130

Information Element	Condition	Value/remark	Version	Index
- Gain factor ßd		15		RBS2-131
- Reference TFC ID		0		RBS2-132
- CHOICE mode		FDD		RBS2-133
- Power offset P_{p-m}		Not Present		RBS2-134
Deleted UL TrCH information list	A1, A2	Not Present		RBS2-135
Added or Reconfigured UL TrCH information list		1		RBS2-136
- Added or Reconfigured UL TrCH information				RBS2-137
- Uplink transport channel type		DCH		RBS2-138
- UL Transport channel identity		1		RBS2-139
- TFS				RBS2-140
- CHOICE Transport channel type		Dedicated transport channels		RBS2-141
- Dynamic Transport Format Information	A1			RBS2-142
- RLC size		260 bits		RBS2-143
- Number of TBs and TTI List		2		RBS2-144
- Transmission Time Interval		Not Present		RBS2-145
- Number of Transport blocks		0		RBS2-146
- Transmission Time Interval		Not Present		RBS2-147
- Number of Transport blocks		1		RBS2-148
- CHOICE Logical channel List		ALL		RBS2-149
- Dynamic Transport Format Information	A2			RBS2-150
- RLC size		260 bits		RBS2-151
- Number of TBs and TTI List		1		RBS2-152
- Transmission Time Interval		Not Present		RBS2-153
- Number of Transport blocks		0		RBS2-154
- CHOICE Logical channel List		ALL		RBS2-155
- Dynamic Transport Format Information				RBS2-156
- RLC size		16 bits		RBS2-157
- Number of TBs and TTI List		1		RBS2-158
- Transmission Time Interval		Not Present		RBS2-159
- Number of Transport blocks		1		RBS2-160
- CHOICE Logical channel List		ALL		RBS2-161
- Dynamic Transport Format Information				RBS2-162
- RLC size		260 bits		RBS2-163
- Number of TBs and TTI List		1		RBS2-164
- Transmission Time Interval		Not Present		RBS2-165
- Number of Transport blocks		1		RBS2-166
- CHOICE Logical channel List		ALL		RBS2-167
- Semi-static Transport Format Information	A1, A2			RBS2-168
- Transmission time interval		20		RBS2-169
- Type of channel coding		Convolutional		RBS2-170
- Coding Rate		1/3		RBS2-171
- Rate matching attribute		256		RBS2-172
- CRC size		0		RBS2-173
CHOICE mode		Not Present		RBS2-174
DL Transport channel information common for all transport channel				RBS2-175
- SCCPCH TFCS		Not Present		RBS2-176
- CHOICE mode		FDD		RBS2-177
- CHOICE DL parameters	A1	Same as UL		RBS2-178
- CHOICE DL parameters	A2	DL DCH TFCS		RBS2-179
- DL DCH TFCS				RBS2-180
- CHOICE TFCI signalling		Normal		RBS2-181
- TFCI Field 1 information				RBS2-182
- CHOICE TFCS representation		Complete reconfiguration		RBS2-183
- TFCS complete reconfigure information				RBS2-184
- CHOICE CTFC Size		4 bit CTFC		RBS2-185
- CTFC information		4 TFCs		RBS2-186
- 4bit CTFC		0		RBS2-187
- Power offset Information				RBS2-188
- CHOICE Gain Factors		Computed Gain Factors		RBS2-189
- Reference TFC ID		0		RBS2-190
- CHOICE mode		FDD		RBS2-191
- Power offset P_{p-m}		Not Present		RBS2-192
- 4bit CTFC		2		RBS2-193
- Power offset Information				RBS2-194

Information Element	Condition	Value/remark	Version	Index
- CHOICE Gain Factors		Computed Gain Factors		RBS2-195
- Reference TFC ID		0		RBS2-196
- CHOICE mode		FDD		RBS2-197
- Power offset P_{p-m}		Not Present		RBS2-198
- 4bit CTFC		1		RBS2-199
- Power offset Information				RBS2-200
- CHOICE Gain Factors		Computed Gain Factors		RBS2-201
- Reference TFC ID		0		RBS2-202
- CHOICE mode		FDD		RBS2-203
- Power offset P_{p-m}		Not Present		RBS2-204
- 4bit CTFC		3		RBS2-205
- Power offset Information				RBS2-206
- CHOICE Gain Factors		Signalled Gain Factors		RBS2-207
- CHOICE mode		FDD		RBS2-208
- Gain factor ßc		8		RBS2-209
- Gain factor ßd		15		RBS2-210
- Reference TFC ID		0		RBS2-211
- CHOICE mode		FDD		RBS2-212
- Power offset P_{p-m}		Not Present		RBS2-213
Deleted DL TrCH information list	A1,A2	Not Present		RBS2-214
Added or Reconfigured DL TrCH information list		1		RBS2-215
- Added or Reconfigured DL TrCH information				RBS2-216
- Downlink transport channel type		DCH		RBS2-217
- DL Transport channel identity		6		RBS2-218
- CHOICE DL parameters				RBS2-219
- CHOICE Transport channel type		Dedicated transport channels		RBS2-220
- Dynamic Transport Format Information	A1			RBS2-221
- RLC size		244 bits		RBS2-222
- Number of TBs and TTI List		2		RBS2-223
- Transmission Time Interval		Not Present		RBS2-224
- Number of Transport blocks		0		RBS2-225
- Transmission Time Interval		Not Present		RBS2-226
- Number of Transport blocks		1		RBS2-227
- CHOICE Logical channel List		ALL		RBS2-228
- Dynamic Transport Format Information	A2			RBS2-229
- RLC size		0 bits		RBS2-230
- Number of TBs and TTI List		1		RBS2-231
- Transmission Time Interval		Not Present		RBS2-232
- Number of Transport blocks		1		RBS2-233
- CHOICE Logical channel List		ALL		RBS2-234
- Dynamic Transport Format Information				RBS2-235
- RLC size		244 bits		RBS2-236
- Number of TBs and TTI List		1		RBS2-237
- Transmission Time Interval		Not Present		RBS2-238
- Number of Transport blocks		1		RBS2-239
- CHOICE Logical channel List		ALL		RBS2-240
- Semi-static Transport Format Information	A1,A2			RBS2-241
- Transmission time interval		20		RBS2-242
- Type of channel coding		Convolutional		RBS2-243
- Coding Rate		1/3		RBS2-244
- Rate matching attribute		256		RBS2-245
- CRC size		16		RBS2-246
- DCH quality target				RBS2-247
- BLER Quality value		-20 (-2.0)		RBS2-248
Frequency info		Not Present		RBS2-249
Maximum allowed UL TX power		33dBm		RBS2-250
CHOICE channel requirement		Uplink DPCH info	Rel-5 and earlier	RBS2-251
Uplink DPCH info			Rel-6	RBS2-252
- Uplink DPCH power control info				RBS2-253
- CHOICE mode		FDD		RBS2-254
- DPCCH power offset		-40 (-80dB) IE value will have no effect on the UE UL power when closed loop power control is active		RBS2-255

Information Element	Condition	Value/remark	Version	Index
- PC Preamble		1 frame		RBS2-256
- SRB delay		7 frames		RBS2-257
- Power Control Algorithm		Algorithm1		RBS2-258
- TPC step size		0 (1dB)		RBS2-259
- Δ_{ACK}		Not Present	Rel-5	RBS2-260
- Δ_{NACK}		Not Present	Rel-5	RBS2-261
- Ack-Nack repetition factor		Not Present	Rel-5	RBS2-262
- CHOICE mode		FDD		RBS2-263
- Scrambling code type		Long		RBS2-264
- Scrambling code number		0 (0 to 16777215)		RBS2-265
- Number of DPDCH		1		RBS2-266
- spreading factor		64		RBS2-267
- TFCI existence		TRUE		RBS2-268
- Number of FBI bit		Not Present(0)		RBS2-269
- Puncturing Limit		1		RBS2-270
CHOICE Mode		FDD	R99 and Rel-4 only	RBS2-271
- Downlink PDSCH information		Not Present	R99 and Rel-4 only	RBS2-272
E-DCH Info		Not Present	Rel-6	RBS2-273
Downlink HS-PDSCH Information		Not Present	Rel-5	RBS2-274
Downlink information common for all radio links				RBS2-275
- Downlink DPCH info common for all RL				RBS2-276
- Timing indicator		Maintain		RBS2-277
- CFN-targetSFN frame offset		Not Present		RBS2-278
- Downlink DPCH power control information				RBS2-279
- CHOICE mode		FDD		RBS2-280
- DPC mode		0 (single)		RBS2-281
- CHOICE mode		FDD		RBS2-282
- Power offset $P_{Pilot-DPDCH}$		0		RBS2-283
- DL rate matching restriction information		Not Present		RBS2-284
- Spreading factor		128		RBS2-285
- Fixed or Flexible Position		Fixed		RBS2-286
- TFCI existence		TRUE		RBS2-287
- CHOICE SF		128		RBS2-288
- Number of bits for Pilot bits		8		RBS2-289
- CHOICE mode		FDD		RBS2-290
- DPCH compressed mode info		Not Present		RBS2-291
- TX Diversity mode		None		RBS2-292
- SSDT information		Not Present	R99 and Rel-4 only	RBS2-293
- Default DPCH Offset Value		Not Present		RBS2-294
- MAC-hs reset indicator		Not Present	Rel-5	RBS2-295
- Post-verification period		Not Present	Rel-6	RBS2-296
Downlink information for per radio link list				RBS2-297
- Downlink information for each radio link				RBS2-298
- CHOICE mode		FDD		RBS2-299
- Primary CPICH info				RBS2-300
- Primary scrambling code		Reference to clause 6.1 "Default settings (FDD)"		RBS2-301
- PDSCH with SHO DCH info		Not Present	R99 and Rel-4 only	RBS2-302
- PDSCH code mapping		Not Present	R99 and Rel-4 only	RBS2-303
- Downlink DPCH info for each RL				RBS2-304
- CHOICE mode		FDD		RBS2-305
- Primary CPICH usage for channel estimation		Primary CPICH may be used		RBS2-306
- DPCH frame offset		Set to value Default DPCH Offset Value (as currently stored in SS) mod 38 400		RBS2-307

Information Element	Condition	Value/remark	Version	Index
- Secondary CPICH info		Not Present		RBS2-308
- DL channelisation code				RBS2-309
- Secondary scrambling code		Not Present		RBS2-310
- Spreading factor		128		RBS2-311
- Code number		96		RBS2-312
- Scrambling code change		No change		RBS2-313
- TPC combination index		0		RBS2-314
- SSDT Cell Identity		Not Present	R99 and Rel-4 only	RBS2-315
- Closed loop timing adjustment mode		Not Present		RBS2-316
- SCCPCH information for FACH		Not Present	R99 and Rel-4 only	RBS2-317
MBMS PL Service Restriction Information		Not Present	Rel-6	RBS2-318

Condition	Explanation
A1	This IE is needed for "UE supports CS RAB for Test Loop Mode2 RMC 12.2/12.2 (TM)"
A2	This IE is needed for "UE supports CS RAB for Test Loop Mode2 RMC 0 and 12.2 (TM)"

Contents of RADIO BEARER SETUP message: AM or UM (HSDPA)

Information Element	Value/remark	Version	Index
Message Type			RBSH-001
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3		RBSH-002
Integrity check info			RBSH-003
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.		RBSH-004
- RRC message sequence number	SS provides the value of this IE, from its internal counter.		RBSH-005
Integrity protection mode info	Not Present		RBSH-006
Ciphering mode info	Not Present		RBSH-007
Activation time	Not Present		RBSH-008
New U-RNTI	Not Present		RBSH-009
New C-RNTI	Not Present		RBSH-010
New H-RNTI	'1010 1010 1010 1010'	Rel-5	RBSH-011
New Primary E-RNTI	Not Present	Rel-6	RBSH-012
New Secondary E-RNTI	Not Present	Rel-6	RBSH-013
RRC State indicator	CELL_DCH		RBSH-014
UTRAN DRX cycle length coefficient	Not Present		RBSH-015
CN information info	Not Present		RBSH-016
URA identity	Not Present		RBSH-017
CHOICE specification mode	Complete specification	Rel-6	RBSH-018
Signalling RB information to setup	Not Present		RBSH-019
RAB information for setup list			RBSH-020
- RAB information for setup			RBSH-021
- RAB info	(high-speed UM DTCH for PS domain)		RBSH-022
- RAB identity	0000 0110B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.		RBSH-023
- CN domain identity	PS domain		RBSH-024
- NAS Synchronization Indicator	Not Present		RBSH-025
- Re-establishment timer	UseT315		RBSH-026
- RB information to setup			RBSH-027
- RB identity	25		RBSH-028
- PDCP info	Not Present		RBSH-029
- CHOICE RLC info type	RLC info		RBSH-030
- CHOICE Uplink RLC mode	Not Present		RBSH-031
- CHOICE Downlink RLC mode	UM RLC		RBSH-032
- DL UM RLC LI size	Selected with DL UM RLC data size	Rel-5	RBSH-033
- One sided RLC re-establishment	FALSE	Rel-5	RBSH-034
- RB mapping info			RBSH-035
- Information for each multiplexing option	1 RBMuxOptions		RBSH-036
- RLC logical channel mapping indicator	Not Present		RBSH-037

Information Element	Value/remark	Version	Index
- Downlink RLC logical channel info			RBSH-038
- Number of downlink RLC logical channels	1		RBSH-039
- Downlink transport channel type	HS-DSCH		RBSH-040
- DL DCH Transport channel identity	Not Present		RBSH-041
- DL DSCH Transport channel identity	Not Present		RBSH-042
- CHOICE DL MAC header type	MAC-hs	Rel-7	RBSH-043
- DL HS-DSCH MAC-d flow identity	0		RBSH-044
- Logical channel identity	Not Present		RBSH-045
RB information to reconfigure list	Not Present	Rel-6	RBSH-046
RB information to be affected list	Not Present		RBSH-047
Downlink counter synchronization info	Not Present		RBSH-048
PDCP ROHC target mode	Not Present	Rel-5	RBSH-049
UL Transport channel information for all transport channels			RBSH-050
- PRACH TFCS	Not Present		RBSH-051
- CHOICE mode	FDD		RBSH-052
- TFC subset	Not Present		RBSH-053
- UL DCH TFCS			RBSH-054
- CHOICE TFCI signalling	Normal		RBSH-055
- TFCI Field 1 information			RBSH-056
- CHOICE TFCS representation	Complete reconfiguration		RBSH-057
- TFCS complete reconfigure information			RBSH-058
- CHOICE CTFC Size	2 bit CTFC		RBSH-059
- CTFC information	4 TFCs		RBSH-060
- CTFC	Reference to clause TS 34.121 clause C.2.1 Parameter Set		RBSH-061
- Power offset information			RBSH-062
- CHOICE Gain Factors	Computed Gain Factors(The last TFC is set to Signalled Gain Factors)		RBSH-063
- Gain factor βc	8 (Not Present if the CHOICE Gain Factors is set to Computed Gain Factors)		RBSH-064
- Gain factor βd	15 (Not Present if the CHOICE Gain Factors is set to Computed Gain Factors)		RBSH-065
- Reference TFC ID	0		RBSH-066
- CHOICE mode	FDD		RBSH-067
- Power offset $P_{p\text{-}m}$	Not Present		RBSH-068
Deleted UL TrCH information list	Not Present		RBSH-069
Added or Reconfigured TrCH information list	Not Present		RBSH-070
CHOICE mode	Not Present		RBSH-071
DL Transport channel information common for all transport channel			RBSH-072
- SCCPCH TFCS	Not Present		RBSH-073
- CHOICE mode	FDD		RBSH-074
- CHOICE DL parameters	Explicit		RBSH-075
- DL DCH TFCS			RBSH-076
- CHOICE TFCI Signalling	Normal		RBSH-077
- TFCI Field 1 Information			RBSH-078
- CHOICE TFCS representation	Complete reconfiguration		RBSH-079
- TFCS complete reconfigure			RBSH-080
- CHOICE CTFC Size	2 bit CTFC		RBSH-081
- CTFC information	4 TFCs		RBSH-082
- CTFC	Reference to clause TS 34.121 clause C.3.1 Parameter Set		RBSH-083
- Power offset information	Not Present		RBSH-084
Deleted DL TrCH information	Not Present		RBSH-085
Added or Reconfigured DL TrCH information list	1 TrCHs added		RBSH-086
- Added or Reconfigured DL TrCH information	(HS-DSCH for DTCH)		RBSH-087
- Downlink transport channel type	HS-DSCH	Rel-5	RBSH-088
- DL Transport channel identity	Not Present		RBSH-089
- CHOICE DL parameters	HS-DSCH		RBSH-090
- HARQ Info		Rel-5	RBSH-091
- Number of Processes	Reference to TS34.121 [2] Annex C Fixed Reference Channels		RBSH-092
- CHOICE *Memory Partitioning*	Explicit		RBSH-093
- Memory size	Reference to TS34.121 [2] Annex C Fixed		RBSH-094

Information Element	Value/remark	Version	Index
	Reference Channels parameter “Number of HARQ Processes”.		
- Process Memory Size	Reference to TS34.121 [2] Annex C Fixed Reference Channels parameter “Number of SML’s per HARQ Proc.”.		RBSH-095
- Additional memory sizes for MIMO	Not Present	Rel-7	RBSH-096
- CHOICE DL MAC header type	MAC-hs	Rel-7	RBSH-097
- Added or reconfigured MAC-d flow			RBSH-098
- MAC-hs queue to add or reconfigure list	(one queue)	Rel-5	RBSH-099
- MAC-hs queue Id	0		RBSH-100
- MAC-d Flow Identity	0		RBSH-101
- T1	50		RBSH-102
- MAC-hs window size	16		RBSH-103
- MAC-d PDU size Info			RBSH-104
- MAC-d PDU size	Reference to TS34.121 [2] Annex C Fixed Reference Channels		RBSH-105
- MAC-d PDU size index	0		RBSH-106
- MAC-hs queue to delete list	Not present		RBSH-107
- DCH quality target	Not present		RBSH-108
Frequency info	Not Present		RBSH-109
Multi-frequency Info	Not present	Rel-7	RBSH-110
DTX-DRX timing information	Not present	Rel-7	RBSH-111
DRX Information	Not present	Rel-7	RBSH-112
HS-SCCH less Information	Not present	Rel-7	RBSH-113
MIMO parameters	Not present	Rel-7	RBSH-114
Maximum allowed UL TX power	33dBm		RBSH-115
CHOICE channel requirement	Uplink DPCH info	Rel-5 and earlier	RBSH-116
Uplink DPCH info		Rel-6	RBSH-117
- Uplink DPCH power control info			RBSH-118
- CHOICE mode	FDD		RBSH-119
- DPCCH power offset	-40 (-80dB) IE value will have no effect on the UE UL power when closed loop power control is active		RBSH-120
- PC Preamble	1 frame		RBSH-121
- SRB delay	7 frames		RBSH-122
- Power Control Algorithm	Algorithm1		RBSH-123
- TPC step size	0 (1dB)		RBSH-124
- Δ_{ACK}	3	Rel-5	RBSH-125
- Δ_{NACK}	3	Rel-5	RBSH-126
- Ack-Nack repetition factor	1	Rel-5	RBSH-127
- CHOICE mode	FDD		RBSH-128
- Scrambling code type	Long		RBSH-129
- Scrambling code number	0 (0 to 16777215)		RBSH-130
- Number of DPDCH	Not Present (1)		RBSH-131
- spreading factor	64		RBSH-132
- TFCI existence	TRUE		RBSH-133
- Number of FBI bit	Not Present(0)		RBSH-134
- Puncturing Limit	1		RBSH-135
CHOICE Mode	FDD	R99 and Rel-4 only	RBSH-136
- Downlink PDSCH information	Not Present	R99 and Rel-4 only	RBSH-137
E-DCH Info	Not Present	Rel-6	RBSH-138
Downlink HS-PDSCH Information			RBSH-139
- HS-SCCH Info			RBSH-140
- CHOICE mode	FDD		RBSH-141
- DL Scrambling Code			RBSH-142
- HS-SCCH Channelisation Code Information			RBSH-143
- HS-SCCH Channelisation Code	2		RBSH-144
- HS-SCCH Channelisation Code	3		RBSH-145
- HS-SCCH Channelisation Code	6		RBSH-146
- HS-SCCH Channelisation Code	7		RBSH-147
- Measurement Feedback Info			RBSH-148
- CHOICE mode	FDD		RBSH-149
- POhsdsch	6 dB	Rel-5	RBSH-150
- CQI Feedback cycle, k	2 ms	Rel-5	RBSH-151
- CQI repetition factor	1	Rel-5	RBSH-152

Information Element	Value/remark	Version	Index
- Δ_{CQI}	5 (corresponds to 0dB in relative power offset)	Rel-5	RBSH-153
- CHOICE mode	FDD		RBSH-154
- Downlink 64QAM configured	Not Present	Rel-7	RBSH-155
Downlink information common for all radio links	Not Present		RBSH-156
Downlink information per radio link list			RBSH-157
- Downlink information for each radio link			RBSH-158
- CHOICE mode	FDD		RBSH-159
- Primary CPICH info			RBSH-160
- Primary scrambling code	Reference to clause 6.1 "Default settings (FDD)"		RBSH-161
- PDSCH with SHO DCH info	Not Present	R99 and Rel-4 only	RBSH-162
- PDSCH code mapping	Not Present	R99 and Rel-4 only	RBSH-163
- Serving HS-DSCH radio link indicator	TRUE	Rel-5	RBSH-164
- Downlink DPCH info for each RL			RBSH-165
- CHOICE mode	FDD		RBSH-166
- Primary CPICH usage for channel estimation	Primary CPICH may be used		RBSH-167
- DPCH frame offset	Set to value Default DPCH Offset Value (as currently stored in SS) mod 38 400		RBSH-168
- Secondary CPICH info	Not Present		RBSH-169
- DL channelisation code			RBSH-170
- Secondary scrambling code	Not present		RBSH-171
- Spreading factor	128		RBSH-172
- Code number	96		RBSH-173
- Scrambling code change	No change		RBSH-174
- TPC combination index	0		RBSH-175
- SSDT Cell Identity	Not Present	R99 and Rel-4 only	RBSH-176
- Closed loop timing adjustment mode	Not Present		RBSH-177
- SCCPCH information for FACH	Not Present	R99 and Rel-4 only	RBSH-178
MBMS PL Service Restriction Information	Not Present	Rel-6	RBSH-179

Contents of RADIO BEARER SETUP message: BTFD RMC for Test Loop Mode 2

Information Element	Value/remark	Version	Index
Message Type			RBSB-001
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3		RBSB-002
Integrity check info			RBSB-003
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.		RBSB-004
- RRC message sequence number	SS provides the value of this IE, from its internal counter.		RBSB-005
Integrity protection mode info	Not Present		RBSB-006
Ciphering mode info	Not Present. For correct operation of test loop mode 2 this IE shall be omitted.		RBSB-007
Activation time	(256+CFN-(CFN MOD 8 + 8)) MOD 256		RBSB-008
New U-RNTI	Not Present		RBSB-009
New C-RNTI	Not Present		RBSB-010
New DSCH-RNTI	Not Present	R99 and Rel-4 only	RBSB-011
New H-RNTI	Not Present	Rel-5	RBSB-012
New Primary E-RNTI	Not Present	Rel-6	RBSB-013
New Secondary E-RNTI	Not Present	Rel-6	RBSB-014
RRC State indicator	CELL_DCH		RBSB-015
UTRAN DRX cycle length coefficient	Not Present		RBSB-016
CN information info	Not Present		RBSB-017
URA identity	Not Present		RBSB-018
CHOICE *specification mode*	Complete specification	Rel-5	RBSB-019
- RAB information for setup			RBSB-020
- RAB info			RBSB-021
- RAB identity	0000 0001B		RBSB-022

Information Element	Value/remark	Version	Index
	The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.		
- CN domain identity	CS domain		RBSB-023
- NAS Synchronization Indicator	Not Present		RBSB-024
- Re-establishment timer	UseT314		RBSB-025
- RB information to setup			RBSB-026
- RB identity	10		RBSB-027
- PDCP info	Not Present		RBSB-028
- CHOICE RLC info type	RLC info		RBSB-029
- CHOICE Uplink RLC mode	TM RLC		RBSB-030
- Transmission RLC discard	Not Present		RBSB-031
- Segmentation indication	FALSE		RBSB-032
- CHOICE Downlink RLC mode	TM RLC		RBSB-033
- Segmentation indication	FALSE		RBSB-034
- RB mapping info			RBSB-035
- Information for each multiplexing option			RBSB-036
- RLC logical channel mapping indicator	Not Present		RBSB-037
- Number of uplink RLC logical channels	1		RBSB-038
- Uplink transport channel type	DCH		RBSB-039
- UL Transport channel identity	1		RBSB-040
- Logical channel identity	Not Present		RBSB-041
- CHOICE RLC size list	Configured		RBSB-042
- MAC logical channel priority	7		RBSB-043
- Downlink RLC logical channel info			RBSB-044
- Number of downlink RLC logical channels	1		RBSB-045
- Downlink transport channel type	DCH		RBSB-046
- DL DCH Transport channel identity	6		RBSB-047
- DL DSCH Transport channel identity	Not Present		RBSB-048
- Logical channel identity	Not Present		RBSB-049
RB information to reconfigure list	Not Present	Rel-6	RBSB-050
RB information to be affected	Not Present		RBSB-051
Downlink counter synchronization info	Not Present		RBSB-052
	RMC for BTFD		RBSB-053
UL Transport channel information for all transport channels			RBSB-054
- PRACH TFCS	Not Present		RBSB-055
- CHOICE mode	FDD		RBSB-056
- TFC subset	Not Present		RBSB-057
- UL DCH TFCS			RBSB-058
- CHOICE TFCI signalling	Normal		RBSB-059
- TFCI Field 1 information			RBSB-060
- CHOICE TFCS representation	Complete reconfiguration		RBSB-061
- TFCS complete reconfigure information			RBSB-062
- CHOICE CTFC Size	ctfc6Bit		RBSB-063
- ctfc6Bit	22		RBSB-064
- ctfc6	0		RBSB-065
-powerOffsetInformation(OP)			RBSB-066
-gainFactorInformation	ComputedGainFactors		RBSB-067
- Reference TFC ID	0		RBSB-068
- ctfc6	11		RBSB-069
-powerOffsetInformation(OP)			RBSB-070
-gainFactorInformation	ComputedGainFactors		RBSB-071
- Reference TFC ID	0		RBSB-072
- ctfc6	1		RBSB-073
-powerOffsetInformation(OP)			RBSB-074
-gainFactorInformation	ComputedGainFactors		RBSB-075
- Reference TFC ID	0		RBSB-076
- ctfc6	12		RBSB-077
-powerOffsetInformation(OP)			RBSB-078
-gainFactorInformation	SignalledGainFactors		RBSB-079
-modeSpecificInfo	Fdd		RBSB-080
-fdd			RBSB-081
- Gain factor ßc	8		RBSB-082
- Gain factor ßd	15		RBSB-083
- Reference TFC ID	0		RBSB-084
- ctfc6	2		RBSB-085
-powerOffsetInformation(OP)			RBSB-086

Information Element	Value/remark	Version	Index
-gainFactorInformation	ComputedGainFactors		RBSB-087
- Reference TFC ID	0		RBSB-088
- ctfc6	13		RBSB-089
-powerOffsetInformation(OP)			RBSB-090
-gainFactorInformation	ComputedGainFactors		RBSB-091
- Reference TFC ID	0		RBSB-092
- ctfc6	3		RBSB-093
-powerOffsetInformation(OP)			RBSB-094
-gainFactorInformation	ComputedGainFactors		RBSB-095
- Reference TFC ID	0		RBSB-096
- ctfc6	14		RBSB-097
-powerOffsetInformation(OP)			RBSB-098
-gainFactorInformation	ComputedGainFactors		RBSB-099
- Reference TFC ID	0		RBSB-100
- ctfc6	4		RBSB-101
-powerOffsetInformation(OP)			RBSB-102
-gainFactorInformation	ComputedGainFactors		RBSB-103
- Reference TFC ID	0		RBSB-104
- ctfc6	15		RBSB-105
-powerOffsetInformation(OP)			RBSB-106
-gainFactorInformation	ComputedGainFactors		RBSB-107
- Reference TFC ID	0		RBSB-108
- ctfc6	5		RBSB-109
-powerOffsetInformation(OP)			RBSB-110
-gainFactorInformation	ComputedGainFactors		RBSB-111
- Reference TFC ID	0		RBSB-112
- ctfc6	16		RBSB-113
-powerOffsetInformation(OP)			RBSB-114
-gainFactorInformation	ComputedGainFactors		RBSB-115
- Reference TFC ID	0		RBSB-116
- ctfc6	6		RBSB-117
-powerOffsetInformation(OP)			RBSB-118
-gainFactorInformation	ComputedGainFactors		RBSB-119
- Reference TFC ID	1		RBSB-120
- ctfc6	17		RBSB-121
-powerOffsetInformation(OP)			RBSB-122
-gainFactorInformation	SignalledGainFactors		RBSB-123
-modeSpecificInfo	Fdd		RBSB-124
-fdd			RBSB-125
- Gain factor ßc	11		RBSB-126
- Gain factor ßd	15		RBSB-127
- Reference TFC ID	1		RBSB-128
- ctfc6	7		RBSB-129
-powerOffsetInformation(OP)			RBSB-130
-gainFactorInformation	ComputedGainFactors		RBSB-131
- Reference TFC ID	1		RBSB-132
- ctfc6	18		RBSB-133
-powerOffsetInformation(OP)			RBSB-134
-gainFactorInformation	ComputedGainFactors		RBSB-135
- Reference TFC ID	1		RBSB-136
- ctfc6	8		RBSB-137
-powerOffsetInformation(OP)			RBSB-138
-gainFactorInformation	ComputedGainFactors		RBSB-139
- Reference TFC ID	1		RBSB-140
- ctfc6	19		RBSB-141
-powerOffsetInformation(OP)			RBSB-142
-gainFactorInformation	ComputedGainFactors		RBSB-143
- Reference TFC ID	1		RBSB-144
- ctfc6	9		RBSB-145
-powerOffsetInformation(OP)			RBSB-146
-gainFactorInformation	ComputedGainFactors		RBSB-147
- Reference TFC ID	1		RBSB-148
- ctfc6	20		RBSB-149
-powerOffsetInformation(OP)			RBSB-150
-gainFactorInformation	ComputedGainFactors		RBSB-151
- Reference TFC ID	1		RBSB-152
- ctfc6	10		RBSB-153

Information Element	Value/remark	Version	Index
-powerOffsetInformation(OP)			RBSB-154
-gainFactorInformation	ComputedGainFactors		RBSB-155
- Reference TFC ID	1		RBSB-156
- ctfc6	21		RBSB-157
-powerOffsetInformation(OP)			RBSB-158
-gainFactorInformation	ComputedGainFactors		RBSB-159
- Reference TFC ID	1		RBSB-160
Added or Reconfigured UL TrCH information list	1		RBSB-161
- Added or Reconfigured UL TrCH information			RBSB-162
- Uplink transport channel type	DCH		RBSB-163
- UL Transport channel identity	1		RBSB-164
- TFS			RBSB-165
- CHOICE Transport channel type	Dedicated transport channels		RBSB-166
-DedicatedDynamicTF-Info			RBSB-167
RLC size	256		RBSB-168
-numberOfTbSizeList			RBSB-169
-NumberOfTransportBlocks	Zero		RBSB-170
-NumberOfTransportBlocks	One		RBSB-171
- Choice Logical channel List	ALL		RBSB-172
RLC size	216		RBSB-173
-numberOfTbSizeList			RBSB-174
-NumberOfTransportBlocks	One		RBSB-175
- Choice Logical channel List	ALL		RBSB-176
RLC size	171		RBSB-177
-numberOfTbSizeList			RBSB-178
-NumberOfTransportBlocks	One		RBSB-179
- Choice Logical channel List	ALL		RBSB-180
RLC size	160		RBSB-181
-numberOfTbSizeList			RBSB-182
-NumberOfTransportBlocks	One		RBSB-183
- Choice Logical channel List	ALL		RBSB-184
RLC size	146		RBSB-185
-numberOfTbSizeList			RBSB-186
-NumberOfTransportBlocks	One		RBSB-187
- Choice Logical channel List	ALL		RBSB-188
RLC size	130		RBSB-189
-numberOfTbSizeList			RBSB-190
-NumberOfTransportBlocks	One		RBSB-191
- Choice Logical channel List	ALL		RBSB-192
RLC size	115		RBSB-193
-numberOfTbSizeList			RBSB-194
-NumberOfTransportBlocks	One		RBSB-195
- Choice Logical channel List	ALL		RBSB-196
RLC size	107		RBSB-197
-numberOfTbSizeList			RBSB-198
-NumberOfTransportBlocks	One		RBSB-199
- Choice Logical channel List	ALL		RBSB-200
RLC size	51		RBSB-201
-numberOfTbSizeList			RBSB-202
-NumberOfTransportBlocks	One		RBSB-203
- Choice Logical channel List	ALL		RBSB-204
RLC size	12		RBSB-205
-numberOfTbSizeList			RBSB-206
-NumberOfTransportBlocks	One		RBSB-207
- Choice Logical channel List	ALL		RBSB-208
-Semistatic Transport Format Information			RBSB-209
-Transmission Time interval	20 ms		RBSB-210
-channelCodingType	Convolutional		RBSB-211
-convolutional	1/3		RBSB-212
- Rate matching attribute	256		RBSB-213
- CRC size	0		RBSB-214
DL Transport channel information common for all transport channel			RBSB-215
- SCCPCH TFCS	Not Present		RBSB-216
- CHOICE mode	FDD		RBSB-217
- CHOICE DL parameters	Explicit		RBSB-218
- DL DCH TFCS			RBSB-219

Information Element	Value/remark	Version	Index
- CHOICE TFCI signalling	Normal		RBSB-220
- TFCI Field 1 information			RBSB-221
- CHOICE TFCS representation	Complete reconfiguration		RBSB-222
- TFCS complete reconfigure information			RBSB-223
- CHOICE CTFC Size	Ctfc6Bit		RBSB-224
- ctfc6Bit	18		RBSB-225
- ctfc6	9		RBSB-226
- ctfc6	0		RBSB-227
- ctfc6	10		RBSB-228
- ctfc6	1		RBSB-229
- ctfc6	11		RBSB-230
- ctfc6	2		RBSB-231
- ctfc6	12		RBSB-232
- ctfc6	3		RBSB-233
- ctfc6	13		RBSB-234
- ctfc6	4		RBSB-235
- ctfc6	14		RBSB-236
- ctfc6	5		RBSB-237
- ctfc6	15		RBSB-238
- ctfc6	6		RBSB-239
- ctfc6	16		RBSB-240
- ctfc6	7		RBSB-241
- ctfc6	17		RBSB-242
- ctfc6	8		RBSB-243
Deleted DL TrCH information	Not Present		RBSB-244
Added or Reconfigured DL TrCH information list	1		RBSB-245
- Added or Reconfigured DL TrCH information			RBSB-246
- Downlink transport channel type	DCH		RBSB-247
- DL Transport channel identity	6		RBSB-248
- CHOICE DL parameters	Explicit		RBSB-249
- TFS			RBSB-250
- CHOICE Transport channel type	Dedicated transport channels		RBSB-251
-DedicatedDynamicTF-Info			RBSB-252
RLC size	244		RBSB-253
-numberOfTbSizeList			RBSB-254
-NumberOfTransportBlocks	One		RBSB-255
- Choice Logical channel List	ALL		RBSB-256
RLC size	204		RBSB-257
-numberOfTbSizeList			RBSB-258
-NumberOfTransportBlocks	One		RBSB-259
- Choice Logical channel List	ALL		RBSB-260
RLC size	159		RBSB-261
-numberOfTbSizeList			RBSB-262
-NumberOfTransportBlocks	One		RBSB-263
- Choice Logical channel List	ALL		RBSB-264
RLC size	148		RBSB-265
-numberOfTbSizeList			RBSB-266
-NumberOfTransportBlocks	One		RBSB-267
- Choice Logical channel List	ALL		RBSB-268
RLC size	134		RBSB-269
-numberOfTbSizeList			RBSB-270
-NumberOfTransportBlocks	One		RBSB-271
- Choice Logical channel List	ALL		RBSB-272
RLC size	118		RBSB-273
-numberOfTbSizeList			RBSB-274
-NumberOfTransportBlocks	One		RBSB-275
- Choice Logical channel List	ALL		RBSB-276
RLC size	103		RBSB-277
-numberOfTbSizeList			RBSB-278
-NumberOfTransportBlocks	One		RBSB-279
- Choice Logical channel List	ALL		RBSB-280
RLC size	95		RBSB-281
-numberOfTbSizeList			RBSB-282
-NumberOfTransportBlocks	One		RBSB-283
- Choice Logical channel List	ALL		RBSB-284
RLC size	39		RBSB-285
-numberOfTbSizeList			RBSB-286

Information Element	Value/remark	Version	Index
-NumberOfTransportBlocks	One		RBSB-287
- Choice Logical channel List	ALL		RBSB-288
-Semistatic Transport Format Information			RBSB-289
-Transmission Time interval	20 ms		RBSB-290
-channelCodingType	Convolutional		RBSB-291
-convolutional	1/3		RBSB-292
- Rate matching attribute	256		RBSB-293
- CRC size	12		RBSB-294
- DCH quality target			RBSB-295
- BLER Quality value	-20 (-2.0)		RBSB-296
- Transparent mode signalling info	Not Present		RBSB-297
Frequency info	Not Present		RBSB-298
Multi-frequency Info	Not present	Rel-7	RBSB-299
DTX-DRX timing information	Not present	Rel-7	RBSB-300
DRX Information	Not present	Rel-7	RBSB-301
HS-SCCH less Information	Not present	Rel-7	RBSB-302
MIMO parameters	Not present	Rel-7	RBSB-303
Maximum allowed UL TX power	33 dBm		RBSB-304
CHOICE channel requirement	Uplink DPCH info	Rel-5 and earlier	RBSB-305
Uplink DPCH info		Rel-6	RBSB-306
- Uplink DPCH power control info			RBSB-307
- DPCCH power offset	-40 (-80dB) IE value will have no effect on the UE UL power when closed loop power control is active		RBSB-308
- PC Preamble	1 frame		RBSB-309
- SRB delay	7 frames		RBSB-310
- Power Control Algorithm	Algorithm1		RBSB-311
- TPC step size	0 (1dB)		RBSB-312
- Δ_{ACK}	Not Present	Rel-5	RBSB-313
- Δ_{NACK}	Not Present	Rel-5	RBSB-314
- Ack-Nack repetition factor	Not Present	Rel-5	RBSB-315
- Scrambling code type	Long		RBSB-316
- Scrambling code number	0		RBSB-317
- Number of DPDCH	1		RBSB-318
- spreading factor	64		RBSB-319
- TFCI existence	TRUE		RBSB-320
- Number of FBI bit	Not Present(0)		RBSB-321
- Puncturing Limit	1		RBSB-322
CHOICE Mode	FDD	R99 and Rel-4 only	RBSB-323
- Downlink PDSCH information	Not Present(0)	R99 and Rel-4 only	RBSB-324
E-DCH Info	Not Present	Rel-6	RBSB-325
Downlink HS-PDSCH Information	Not Present	Rel-5	RBSB-326
Downlink information common for all radio links			RBSB-327
- Downlink DPCH info common for all RL	FDD		RBSB-328
- Timing indicator	Maintain		RBSB-329
- CFN-targetSFN frame offset	Not Present		RBSB-330
- Downlink DPCH power control information			RBSB-331
- DPC mode	0 (single)		RBSB-332
- CHOICE mode	FDD		RBSB-333
- Power offset $P_{Pilot-DPDCH}$	0		RBSB-334
- DL rate matching restriction information	Not Present		RBSB-335
- Spreading factor	128		RBSB-336
- Number of bits for Pilot bits(SF=128,256)	4		RBSB-337
- Fixed or Flexible Position	Fixed		RBSB-338
- TFCI existence	FALSE		RBSB-339
- DPCH compressed mode info	Not Present		RBSB-340
- TX Diversity mode	None		RBSB-341
- SSDT information	Not Present	R99 and Rel-4 only	RBSB-342
- Default DPCH Offset Value	Not Present		RBSB-343
Downlink information for each radio link list			RBSB-344
- Primary CPICH info			RBSB-345

Information Element	Value/remark	Version	Index
- Primary scrambling code	Reference to clause 6.1 "Default settings (FDD)"		RBSB-346
- PDSCH with SHO DCH info	Not Present	R99 and Rel-4 only	RBSB-347
- PDSCH code mapping	Not Present	R99 and Rel-4 only	RBSB-348
- Downlink DPCH info for each RL			RBSB-349
- Primary CPICH usage for channel estimation	Primary CPICH may be used		RBSB-350
- DPCH frame offset	Set to value Default DPCH Offset Value (as currently stored in SS) mod 38 400		RBSB-351
- Secondary CPICH info	Not Present		RBSB-352
- DL channelisation code			RBSB-353
- Secondary scrambling code	Not Present		RBSB-354
- Spreading factor	128		RBSB-355
- Code number	96		RBSB-356
- Scrambling code change	No change		RBSB-357
- TPC combination index	0		RBSB-358
- SSDT Cell Identity	Not Present	R99 and Rel-4 only	RBSB-359
- Closed loop timing adjustment mode	Not Present		RBSB-360
- SCCPCH information for FACH	Not Present	R99 and Rel-4 only	RBSB-361
MBMS PL Service Restriction Information	Not Present	Rel-6	RBSB-362

Contents of RADIO BEARER SETUP message: AM or UM (E-DCH and HSDPA)

Information Element	Condition	Value/remark	Version	Index
Message Type	A1, A2, A3			RBSE-001
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3		RBSE-002
Integrity check info				RBSE-003
- message authentication code		SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.		RBSE-004
- RRC message sequence number		SS provides the value of this IE, from its internal counter.		RBSE-005
Integrity protection mode info		Not Present		RBSE-006
Ciphering mode info		Not Present		RBSE-007
Activation time	A1	Not Present		RBSE-008
Activation time	A2, A3	(256+CFN-(CFN MOD 8 + 8)) MOD 256		RBSE-009
New U-RNTI	A1, A2, A3	Not Present		RBSE-010
New C-RNTI		Not Present		RBSE-011
New DSCH-RNTI		Not Present	R99 and Rel-4 only	RBSE-012
New H-RNTI		'1010 1010 1010 1010'	Rel-5	RBSE-013
New Primary E-RNTI		'1010 1010 1010 1010'	Rel-6	RBSE-014
New Secondary E-RNTI		Not Present	Rel-6	RBSE-015
RRC State indicator		CELL_DCH		RBSE-016
UTRAN DRX cycle length coefficient		Not Present		RBSE-017
CN information info		Not Present		RBSE-018
URA identity		Not Present		RBSE-019
CHOICE specification mode		Complete specification	Rel-6	RBSE-020
- Signalling RB information to setup		Not Present		RBSE-021
- RAB information for setup list				RBSE-022
- RAB information for setup				RBSE-023
- RAB info		(high-speed UM DTCH for PS domain)		RBSE-024
- RAB identity		0000 0110B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.		RBSE-025
- CN domain identity		PS domain		RBSE-026
- NAS Synchronization Indicator		Not Present		RBSE-027
- Re-establishment timer		useT315		RBSE-028
- RB information to setup				RBSE-029
- RB identity		25		RBSE-030
- PDCP info		Not present		RBSE-031
- CHOICE RLC info type		RLC info		RBSE-032
- CHOICE Uplink RLC mode		UM RLC		RBSE-033
- Transmission RLC discard		Not present		RBSE-034
- CHOICE Downlink RLC mode		UM RLC		RBSE-035
- DL UM RLC LI size		Selected with DL UM RLC data size	Rel-5	RBSE-036
- DL Reception Window Size		Not present	Rel-6	RBSE-037
- One sided RLC re-establishment		FALSE		RBSE-038
- Alternative E-bit interpretation		Not present	Rel-6	RBSE-039
- RB mapping info				RBSE-040
- Information for each multiplexing option		1 RBMuxOptions		RBSE-041
- RLC logical channel mapping indicator		Not Present		RBSE-042
- Number of uplink RLC logical channels		1		RBSE-043
- Uplink transport channel type		E-DCH		RBSE-044
- Logical channel identity		7		RBSE-045
- E-DCH MAC-d flow identity		2		RBSE-046
- DDI		5		RBSE-047
- RLC PDU size list		1 RLC PDU size		RBSE-048
- RLC PDU size		336 bits		RBSE-049
- Include in scheduling info		TRUE		RBSE-050
- MAC logical channel priority		8		RBSE-051
- Downlink RLC logical channel info				RBSE-052
- Number of downlink RLC logical channels		1		RBSE-053
- Downlink transport channel type		HS-DSCH		RBSE-054
- DL DCH Transport channel identity		Not Present		RBSE-055

Information Element	Condition	Value/remark	Version	Index
- DL DSCH Transport channel identity		Not Present		RBSE-056
- CHOICE DL MAC header type		MAC-hs	Rel-7	RBSE-057
- DL HS-DSCH MAC-d flow identity		0		RBSE-058
- Logical channel identity		Not Present		RBSE-059
RB information to reconfigure list		Not Present	Rel-6	RBSE-060
RB information to be affected	A1	Not Present		RBSE-061
RB information to be affected	A2, A3			RBSE-062
- RB identity		1 (UM DCCH for RRC)		RBSE-063
- RB mapping info				RBSE-064
- Information for each multiplexing option		1 RBMuxOption		RBSE-065
- RLC logical channel mapping indicator		Not Present		RBSE-066
- Number of uplink RLC logical channels		1		RBSE-067
- Uplink transport channel type		E-DCH		RBSE-068
- Logical channel identity		1		RBSE-069
- E-DCH MAC-d flow identity		1		RBSE-070
- DDI		1		RBSE-071
- RLC PDU size list		1 RLC PDU size		RBSE-072
- RLC PDU size		96 bits		RBSE-073
- Include in scheduling info		FALSE		RBSE-074
- MAC logical channel priority		1		RBSE-075
- Downlink RLC logical channel info				RBSE-076
- Number of RLC logical channels		1		RBSE-077
- Downlink transport channel type		DCH		RBSE-078
- DL DCH Transport channel identity		10		RBSE-079
- DL DSCH Transport channel identity		Not Present		RBSE-080
- Logical channel identity		1		RBSE-081
- RB identity		2 (AM DCCH for RRC)		RBSE-082
- RB mapping info				RBSE-083
- Information for each multiplexing option		1 RBMuxOption		RBSE-084
- RLC logical channel mapping indicator		Not Present		RBSE-085
- Number of uplink RLC logical channels		1		RBSE-086
- Uplink transport channel type		E-DCH		RBSE-087
- Logical channel identity		2		RBSE-088
- E-DCH MAC-d flow identity		1		RBSE-089
- DDI		2		RBSE-090
- RLC PDU size list		1 RLC PDU size		RBSE-091
- RLC PDU size		96 bits		RBSE-092
- Include in scheduling info		FALSE		RBSE-093
- MAC logical channel priority		2		RBSE-094
- Downlink RLC logical channel info				RBSE-095
- Number of RLC logical channels		1		RBSE-096
- Downlink transport channel type		DCH		RBSE-097
- DL DCH Transport channel identity		10		RBSE-098
- DL DSCH Transport channel identity		Not Present		RBSE-099
- Logical channel identity		2		RBSE-100
- RB identity		3 (AM DCCH for NAS High Priority)		RBSE-101
- RB mapping info				RBSE-102
- Information for each multiplexing option		1 RBMuxOption		RBSE-103
- RLC logical channel mapping indicator		Not Present		RBSE-104
- Number of uplink RLC logical channels		1		RBSE-105
- Uplink transport channel type		E-DCH		RBSE-106
- Logical channel identity		3		RBSE-107
- E-DCH MAC-d flow identity		1		RBSE-108
- DDI		3		RBSE-109
- RLC PDU size list		1 RLC PDU size		RBSE-110
- RLC PDU size		96 bits		RBSE-111
- Include in scheduling info		FALSE		RBSE-112
- MAC logical channel priority		3		RBSE-113
- Downlink RLC logical channel info				RBSE-114
- Number of RLC logical channels		1		RBSE-115
- Downlink transport channel type		DCH		RBSE-116
- DL DCH Transport channel identity		10		RBSE-117
- DL DSCH Transport channel identity		Not Present		RBSE-118
- Logical channel identity		3		RBSE-119
- RB identity		4 (AM DCCH for NAS Low Priority)		RBSE-120
- RB mapping info				RBSE-121
- Information for each multiplexing option		1 RBMuxOption		RBSE-122

Information Element	Condition	Value/remark	Version	Index
- RLC logical channel mapping indicator		Not Present		RBSE-123
- Number of uplink RLC logical channels		1		RBSE-124
- Uplink transport channel type		E-DCH		RBSE-125
- Logical channel identity		4		RBSE-126
- E-DCH MAC-d flow identity		1		RBSE-127
- DDI		4		RBSE-128
- RLC PDU size list		1 RLC PDU size		RBSE-129
- RLC PDU size		96 bits		RBSE-130
- Include in scheduling info		FALSE		RBSE-131
- MAC logical channel priority		4		RBSE-132
- Downlink RLC logical channel info				RBSE-133
- Number of RLC logical channels		1		RBSE-134
- Downlink transport channel type		DCH		RBSE-135
- DL DCH Transport channel identity		10		RBSE-136
- DL DSCH Transport channel identity		Not Present		RBSE-137
- Logical channel identity		4		RBSE-138
Downlink counter synchronization info	A1, A2, A3	Not Present		RBSE-139
PDCP ROHC target mode		Not Present	Rel-5	RBSE-140
UL Transport channel information for all transport channels		Not Present		RBSE-141
Deleted UL TrCH information	A1	Not Present		RBSE-142
Deleted UL TrCH information	A2, A3			RBSE-143
- Uplink transport channel type		DCH		RBSE-144
- UL transport channel identity		5		RBSE-145
Added or Reconfigured TrCH information list	A1	1 TrCH added		RBSE-146
- Added or Reconfigured UL TrCH information		1 E-DCH added		RBSE-147
- Uplink transport channel type		E-DCH		RBSE-148
- CHOICE UL parameters		E-DCH		RBSE-149
- E-DCH Transmission Time Interval		10 ms		RBSE-150
- HARQ info for E-DCH				RBSE-151
- HARQ RV Configuration		Rv0		RBSE-152
- Added or reconfigured E-DCH MAC-d flow				RBSE-153
- E-DCH MAC-d flow identity		2		RBSE-154
- E-DCH MAC-d flow power offset		0		RBSE-155
- E-DCH MAC-d flow maximum number of retransmissions		7		RBSE-156
- E-DCH MAC-d flow multiplexing list		Not Present		RBSE-157
- CHOICE transmission grant type		Scheduled grant info		RBSE-158
Added or Reconfigured UL TrCH information list	A2, A3	1 TrCH added		RBSE-159
- Added or Reconfigured UL TrCH information		1 E-DCH added with one DCCH MAC-d flow and one DTCH MAC-d flow		RBSE-160
- Uplink transport channel type		E-DCH		RBSE-161
- CHOICE UL parameters		E-DCH		RBSE-162
- E-DCH Transmission Time Interval		(A2: 2ms), (A3 10ms)		RBSE-163
- HARQ info for E-DCH				RBSE-164
- HARQ RV Configuration		Rv0		RBSE-165
- Added or reconfigured E-DCH MAC-d flow		(for DCCH)		RBSE-166
- E-DCH MAC-d flow identity		1		RBSE-167
- E-DCH MAC-d flow power offset		0		RBSE-168
- E-DCH MAC-d flow maximum number of retransmissions		7		RBSE-169
- E-DCH MAC-d flow multiplexing list		Not Present		RBSE-170
- CHOICE transmission grant type		Non-scheduled grant info		RBSE-171
- Max MAC-e PDU contents size		114 bits		RBSE-172
- 2 ms non-scheduled transmission grant HARQ process allocation		Not Present		RBSE-173
- Added or reconfigured E-DCH MAC-d flow		(for DTCH)		RBSE-174
- E-DCH MAC-d flow identity		2		RBSE-175
- E-DCH MAC-d flow power offset		0		RBSE-176
- E-DCH MAC-d flow maximum number of retransmissions		7		RBSE-177
- E-DCH MAC-d flow multiplexing list		Not Present		RBSE-178
- CHOICE transmission grant type		Scheduled grant info		RBSE-179
CHOICE *mode*	A1, A2, A3	Not Present	R99 and Rel-4	RBSE-180

Information Element	Condition	Value/remark	Version	Index
			only	
DL Transport channel information common for all transport channels	A1, A3	Not Present		RBSE-181
DL Transport channel information common for all transport channels	A2			RBSE-182
- SCCPCH TFCS		Not Present		RBSE-183
- CHOICE mode		FDD		RBSE-184
- CHOICE DL parameters		Explicit		RBSE-185
- DL DCH TFCS				RBSE-186
- CHOICE TFCI Signalling		Normal		RBSE-187
- TFCI Field 1 Information				RBSE-188
- CHOICE TFCS representation		Complete reconfiguration		RBSE-189
- TFCS complete reconfigure				RBSE-190
- CHOICE CTFC Size		2 bit CTFC		RBSE-191
- CTFC information		2 TFCs		RBSE-192
- 2bit CTFC		0		RBSE-193
- Power offset Information				RBSE-194
- CHOICE Gain Factors		computedGainFactors		RBSE-195
- Reference TFC ID		0		RBSE-196
- Power offset Pp-m		Not Present		RBSE-197
- 2bit CTFC		1		RBSE-198
- Power offset Information				RBSE-199
- CHOICE Gain Factors		signalledGainFactors		RBSE-200
- CHOICE mode		FDD		RBSE-201
- Gain factor ßc		15		RBSE-202
- Gain factor ßd		15		RBSE-203
- Reference TFC ID		0		RBSE-204
- CHOICE mode		FDD		RBSE-205
- Power offset Pp-m		Not Present		RBSE-206
Deleted TrCH information list	A1, A2, A3	Not Present		RBSE-207
Added or Reconfigured TrCH information list	A1, A3	1 TrCH added		RBSE-208
- Added or Reconfigured DL TrCH information		HS-DSCH for DTCH added		RBSE-209
- Downlink transport channel type		HS-DSCH		RBSE-210
- DL Transport channel identity		Not Present		RBSE-211
- CHOICE DL parameters		HS-DSCH		RBSE-212
- HARQ Info				RBSE-213
- Number of Processes		Reference to TS34.121 [2] Annex C Fixed Reference Channels		RBSE-214
- CHOICE *Memory Partitioning*		Explicit		RBSE-215
- Memory size		Reference to TS34.121 [2] Annex C Fixed Reference Channels parameter “Number of HARQ Processes".		RBSE-216
- Process Memory Size		Reference to TS34.121 [2] Annex C Fixed Reference Channels parameter “Number of SML’s per HARQ Proc.”.		RBSE-217
- Additional memory sizes for MIMO		Not Present	Rel-7	RBSE-218
- CHOICE DL MAC header type		MAC-hs	Rel-7	RBSE-219
- Added or reconfigured MAC-d flow				RBSE-220
- MAC-hs queue to add or reconfigure list		(one queue)		RBSE-221
- MAC-hs queue Id		0		RBSE-222
- MAC-d Flow Identity		0		RBSE-223
- T1		50		RBSE-224
- MAC-hs window size		16		RBSE-225
- MAC-d PDU size Info				RBSE-226
- MAC-d PDU size		Reference to TS34.121 [2] Annex C Fixed Reference Channels		RBSE-227
- MAC-d PDU size index		0		RBSE-228
- MAC-hs queue to delete list		Not present		RBSE-229
- DCH quality target		Not present		RBSE-230
Added or Reconfigured DL TrCH information	A2	2 TrCHs (DCH for DCCH and HS-DSCH for DTCH)		RBSE-231
				RBSE-232
- Downlink transport channel type		DCH		RBSE-233
- DL Transport channel identity		10		RBSE-234
- CHOICE DL parameters		Explicit		RBSE-235
- TFS				RBSE-236

Information Element	Condition	Value/remark	Version	Index
- CHOICE Transport channel type		Dedicated transport channels		RBSE-237
- Dynamic Transport format information				RBSE-238
- RLC Size		96 bits		RBSE-239
- Number of TBs and TTI List		2		RBSE-240
- Transmission Time Interval		Not Present		RBSE-241
- Number of Transport blocks		0		RBSE-242
- Transmission Time Interval		Not Present		RBSE-243
- Number of Transport blocks		1		RBSE-244
- CHOICE Logical channel list		ALL		RBSE-245
- Semi-static Transport Format information				RBSE-246
- Transmission time interval		40		RBSE-247
- Type of channel coding		Convolutional		RBSE-248
- Coding Rate		1/3		RBSE-249
- Rate matching attribute		256		RBSE-250
- CRC size		12		RBSE-251
- DCH quality target				RBSE-252
- BLER Quality value		-20 (-2.0)		RBSE-253
- Downlink transport channel type		HS-DSCH		RBSE-254
- DL Transport channel identity		Not Present		RBSE-255
- CHOICE DL parameters		HS-DSCH		RBSE-256
- HARQ Info				RBSE-257
- Number of Processes		Reference to TS34.121 [2] Annex C Fixed Reference Channels		RBSE-258
- CHOICE *Memory Partitioning*		Explicit		RBSE-259
- Memory size		Reference to TS34.121 [2] Annex C Fixed Reference Channels parameter “Number of HARQ Processes".		RBSE-260
- Process Memory Size		Reference to TS34.121 [2] Annex C Fixed Reference Channels parameter “Number of SML’s per HARQ Proc.”.		RBSE-261
- Additional memory sizes for MIMO		Not Present	Rel-7	RBSE-262
- CHOICE DL MAC header type		MAC-hs	Rel-7	RBSE-263
- Added or reconfigured MAC-d flow				RBSE-264
- MAC-hs queue to add or reconfigure list		(one queue)		RBSE-265
- MAC-hs queue Id		0		RBSE-266
- MAC-d Flow Identity		0		RBSE-267
- T1		50		RBSE-268
- MAC-hs window size		16		RBSE-269
- MAC-d PDU size Info				RBSE-270
- MAC-d PDU size		Reference to TS34.121 [2] Annex C Fixed Reference Channels		RBSE-271
- MAC-d PDU size index		0		RBSE-272
- MAC-hs queue to delete list		Not present		RBSE-273
- DCH quality target		Not present		RBSE-274
Frequency info	A1, A2, A3	Not present		RBSE-275
Multi-frequency Info		Not present	Rel-7	RBSE-276
DTX-DRX timing information		Not present	Rel-7	RBSE-277
DRX Information		Not present	Rel-7	RBSE-278
HS-SCCH less Information		Not present	Rel-7	RBSE-279
MIMO parameters		Not present	Rel-7	RBSE-280
Maximum allowed UL TX power		33dBm		RBSE-281
CHOICE channel requirement		Uplink DPCH info	Rel-5 and earlier	RBSE-282
Uplink DPCH info			Rel-6	RBSE-283
- Uplink DPCH power control info				RBSE-284
- DPCCH power offset		-40 (-80dB)		RBSE-285
- PC Preamble		1 frame		RBSE-286
- SRB delay		7 frames		RBSE-287
- Power Control Algorithm		Algorithm1		RBSE-288
- TPC step size		0 (1dB)		RBSE-289
- Δ_{ACK}		3		RBSE-290
- Δ_{NACK}		3		RBSE-291
- Ack-Nack repetition factor		1		RBSE-292
- HARQ_preamble_mode		0		RBSE-293
- Scrambling code type		Long		RBSE-294
- Scrambling code number		0 (0 to 16777215)		RBSE-295

Information Element	Condition	Value/remark	Version	Index
- Number of DPDCH	A1	Not Present(1)		RBSE-296
- spreading factor		Reference to clause 6.10 Parameter Set		RBSE-297
- TFCI existence		Reference to clause 6.10 Parameter Set		RBSE-298
- Number of FBI bit		Reference to clause 6.10 Parameter Set		RBSE-299
- Puncturing Limit		Reference to clause 6.10 Parameter Set		RBSE-300
- Number of DPDCH	A2, A3	0		RBSE-301
- spreading factor		Not present		RBSE-302
- TFCI existence		FALSE		RBSE-303
- Number of FBI bit		Not present		RBSE-304
- Puncturing Limit		Not present		RBSE-305
E-DCH info	A1, A2, A3		Rel-6	RBSE-306
- MAC-es/e reset indicator		TRUE		RBSE-307
- E-DPCCH info				RBSE-308
- E-DPCCH/DPCCH power offset		0		RBSE-309
- Happy bit delay condition		100 ms		RBSE-310
- E-TFCI boost info		Not present	Rel-7	RBSE-311
- E-TFCI BetaED SwitchE-DPDCH power interpolation		Not present	Rel-7	RBSE-312
- E-DPDCH info	A1, A3			RBSE-313
- E-TFCI table index		0		RBSE-314
- E-DCH minimum set E-TFCI		9		RBSE-315
- Reference E-TFCIs		1 E-TFCI		RBSE-316
- Reference E-TFCI		11		RBSE-317
- Reference E-TFCI PO		4		RBSE-318
- Maximum channelisation codes		2sf4		RBSE-319
- PLnon-max		0.84		RBSE-320
- Scheduling Information Configuration				RBSE-321
- Periodicity for Scheduling Info – no grant		Not present		RBSE-322
- Periodicity for Scheduling Info – grant		Not present		RBSE-323
- Power Offset for Scheduling Info		0		RBSE-324
- 3-Index-Step Threshold		Not present		RBSE-325
- 2-Index-Step Threshold		Not present		RBSE-326
- E-DPDCH info	A2			RBSE-327
- E-TFCI table index		0		RBSE-328
- E-DCH minimum set E-TFCI		9		RBSE-329
- Reference E-TFCIs		2 E-TFCI		RBSE-330
- Reference E-TFCI		11		RBSE-331
- Reference E-TFCI PO		4		RBSE-332
- Reference E-TFCI		83		RBSE-333
- Reference E-TFCI PO		16		RBSE-334
- Maximum channelisation codes		2sf2and2sf4		RBSE-335
- PLnon-max		0.84		RBSE-336
- Scheduling Information Configuration				RBSE-337
- Periodicity for Scheduling Info – no grant		Not present		RBSE-338
- Periodicity for Scheduling Info – grant		Not present		RBSE-339
- Power Offset for Scheduling Info		0		RBSE-340
- 3-Index-Step Threshold		Not present		RBSE-341
- 2-Index-Step Threshold		Not present		RBSE-342
- Scheduled Transmission configuration	A1, A2, A3			RBSE-343
- 2ms scheduled transmission grant HARQ process allocation		Not present		RBSE-344
- Serving Grant		Not present		RBSE-345
- UL 16QAM settings		Not present	Rel-7	RBSE-346
CHOICE Mode		FDD	R99 and Rel-4 only	RBSE-347
- Downlink PDSCH information		Not Present	R99 and Rel-4 only	RBSE-348
Downlink HS-PDSCH Information				RBSE-349
- HS-SCCH Info				RBSE-350
- CHOICE mode		FDD		RBSE-351
- DL Scrambling Code		Not present		RBSE-352
- HS-SCCH Channelisation Code Information				RBSE-353
- HS-SCCH Channelisation Code		2		RBSE-354
- HS-SCCH Channelisation Code		3		RBSE-355

Information Element	Condition	Value/remark	Version	Index
- Measurement Feedback Info				RBSE-356
- CHOICE mode		FDD		RBSE-357
- POhsdsch		6 dB		RBSE-358
- CQI Feedback cycle, k		2 ms		RBSE-359
- CQI repetition factor		1		RBSE-360
- Δ_{CQI}		5 (corresponds to 0dB in relative power offset)		RBSE-361
- CHOICE mode		FDD		RBSE-362
- Downlink 64QAM configured		Not Present	Rel-7	RBSE-363
Downlink information common for all radio links	A1, A3	Not Present		RBSE-364
Downlink information common for all radio links	A2			RBSE-365
- Downlink DPCH info common for all RL				RBSE-366
- Timing indicator		Maintain		RBSE-367
- CFN-targetSFN frame offset		Not Present		RBSE-368
- Downlink DPCH power control information				RBSE-369
- DPC mode		0 (single)		RBSE-370
- CHOICE mode		FDD		RBSE-371
- Power offset PPilot-DPDCH		0		RBSE-372
- DL rate matching restriction information		Not Present		RBSE-373
- Spreading factor		256		RBSE-374
- Fixed or Flexible Position		Fixed		RBSE-375
- TFCI existence		FALSE		RBSE-376
- CHOICE SF		256		RBSE-377
- Number of bits for Pilot bits		8		RBSE-378
- CHOICE mode		FDD		RBSE-379
- DPCH compressed mode info		Not Present		RBSE-380
- TX Diversity mode		None		RBSE-381
- Default DPCH Offset Value		Not Present		RBSE-382
- MAC-hs reset indicator		Not Present		RBSE-383
- Post-verification period		Not Present		RBSE-384
Downlink information for each radio link list	A1, A2, A3			RBSE-385
- Downlink information for each radio link				RBSE-386
- Choice mode		FDD		RBSE-387
- Primary CPICH info				RBSE-388
- Primary scrambling code		Ref. to clause 6.1 "Default settings (FDD)"		RBSE-389
- PDSCH with SHO DCH info		Not Present	R99 and Rel-4 only	RBSE-390
- PDSCH code mapping		Not Present	R99 and Rel-4 only	RBSE-391
- Serving HS-DSCH radio link indicator		TRUE		RBSE-392
- Serving E-DCH radio link indicator		TRUE		RBSE-393
- Downlink DPCH info for each RL				RBSE-394
- CHOICE mode		FDD		RBSE-395
- Primary CPICH usage for channel estimation		Primary CPICH may be used		RBSE-396
- DPCH frame offset		Set to value Default DPCH Offset Value (as currently stored in SS) mod 38 400		RBSE-397
- Secondary CPICH info		Not Present		RBSE-398
- DL channelisation code				RBSE-399
- Secondary scrambling code		Not Present		RBSE-400
- Spreading factor	A1	Reference to clause 6.10 Parameter Set		RBSE-401
- Code number		96		RBSE-402
- Spreading factor	A2, A3	256		RBSE-403
- Code number		192		RBSE-404
- Scrambling code change	A1, A2, A3	No code change		RBSE-405
- TPC combination index		0		RBSE-406
- SSDT Cell Identity		Not Present	R99 and Rel-4 only	RBSE-407
- Closed loop timing adjustment mode		Not Present		RBSE-408
- E-AGCH Info			Rel-6	RBSE-409
- E-AGCH Channelisation Code		14		RBSE-410
- CHOICE E-HICH Information			Rel-6	RBSE-411
- E-HICH Information				RBSE-412

Information Element	Condition	Value/remark	Version	Index
- DL Scrambling code		Not Present (default is primary)		RBSE-413
- Channelisation code		6		RBSE-414
- Signature sequence		1		RBSE-415
- CHOICE E-RGCH Information		Not Present	Rel-6	RBSE-416
- SCCPCH information for FACH		Not Present	R99 and Rel-4 only	RBSE-417
MBMS PL Service Restriction Information		Not Present	Rel-6	RBSE-418

Condition	Explanation
A1	Not using E-DCH 4codes except sub-test 5 in TS 34.121-1 [2] Table C.11.1.3
A2	Using E-DCH 4codes
A3	Sub-test 5 in TS 34.121-1 [2] Table C.11.1.3

Contents of RADIO BEARER SETUP message: AM or UM (HSDPA with F-DPCH)

Information Element	Value/remark	Version	Index
Message Type		Rel-6	RBSF-001
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3		RBSF-002
Integrity check info			RBSF-003
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.		RBSF-004
- RRC message sequence number	SS provides the value of this IE, from its internal counter.		RBSF-005
Integrity protection mode info	Not Present		RBSF-006
Ciphering mode info	Not Present		RBSF-007
Activation time	(256+CFN-(CFN MOD 8 + 8))MOD 256		RBSF-008
New U-RNTI	Not Present	Rel-6	RBSF-009
New C-RNTI	Not Present	Rel-6	RBSF-010
New H-RNTI	'1010 1010 1010 1010'	Rel-6	RBSF-011
New Primary E-RNTI	Not Present	Rel-6	RBSF-012
New Secondary E-RNTI	Not Present	Rel-6	RBSF-013
RRC State indicator	CELL_DCH	Rel-6	RBSF-014
UTRAN DRX cycle length coefficient	Not Present	Rel-6	RBSF-015
CN information info	Not Present		RBSF-016
URA identity	Not Present		RBSF-017
CHOICE Specification mode	Complete specification	Rel-6	RBSF-018
- Signalling RB information to setup	Not Present		RBSF-019
- RAB information for setup			RBSF-020
- RAB info	(high-speed UM DTCH for PS domain)		RBSF-021
- RAB identity	0000 0110B		RBSF-022
- CN domain identity	PS domain		RBSF-023
- NAS Synchronization Indicator	Not Present		RBSF-024
- Re-establishment timer	useT315		RBSF-025
- RB information to setup			RBSF-026
- RB identity	25		RBSF-027
- PDCP info	Not Present		RBSF-028
- CHOICE RLC info type	RLC info		RBSF-029
- CHOICE Uplink RLC mode	Not present		RBSF-030
- CHOICE Downlink RLC mode	UM RLC		RBSF-031
- DL UM RLC LI size	Selected with DL UM RLC data size	Rel-5	RBSF-032
- One sided RLC re-establishment	FALSE	Rel-5	RBSF-033
- RB mapping info			RBSF-034
- Information for each multiplexing option	1 RBMuxOption		RBSF-035
- RLC logical channel mapping indicator	Not Present		RBSF-036
- Number of uplink RLC logical channels	1		RBSF-037
- Downlink RLC logical channel info			RBSF-038
- Number of downlink RLC logical channels	1		RBSF-039
- Downlink transport channel type	HS-DSCH		RBSF-040
- DL DCH Transport channel identity	Not present		RBSF-041
- DL DSCH Transport channel identity	Not present		RBSF-042
- CHOICE DL MAC header type	MAC-hs	Rel-7	RBSF-043

Information Element	Value/remark	Version	Index
- DL HS-DSCH MAC-d flow identity	1		RBSF-044
- Logical channel identity	Not Present		RBSF-045
RB information to reconfigure list	Not Present	Rel-6	RBSF-046
RB information to be affected		Rel-6	RBSF-047
- RB identity	1 (UM DCCH for RRC)		RBSF-048
- RB mapping info			RBSF-049
- Information for each multiplexing option	1 RBMuxOption		RBSF-050
- RLC logical channel mapping indicator	Not Present		RBSF-051
- Number of uplink RLC logical channels	1		RBSF-052
- Uplink transport channel type	DCH		RBSF-053
- UL Transport channel identity	5		RBSF-054
- Logical channel identity	1		RBSF-055
- CHOICE RLC size list	Configured		RBSF-056
- MAC logical channel priority	1		RBSF-057
- Downlink RLC logical channel info			RBSF-058
- Number of RLC logical channels	1		RBSF-059
- Downlink transport channel type	HS-DSCH		RBSF-060
- DL DCH Transport channel identity	Not present		RBSF-061
- DL DSCH Transport channel identity	Not present		RBSF-062
- CHOICE DL MAC header type	MAC-hs	Rel-7	RBSF-063
- DL HS-DSCH MAC-d flow identity	0		RBSF-064
- Logical channel identity	1		RBSF-065
- RB identity	2 (AM DCCH for RRC)		RBSF-066
- RB mapping info			RBSF-067
- Information for each multiplexing option	1 RBMuxOption		RBSF-068
- RLC logical channel mapping indicator	Not Present		RBSF-069
- Number of uplink RLC logical channels	1		RBSF-070
- Uplink transport channel type	DCH		RBSF-071
- UL Transport channel identity	5		RBSF-072
- Logical channel identity	2		RBSF-073
- CHOICE RLC size list	Configured		RBSF-074
- MAC logical channel priority	2		RBSF-075
- Downlink RLC logical channel info			RBSF-076
- Number of RLC logical channels	1		RBSF-077
- Downlink transport channel type	HS-DSCH		RBSF-078
- DL DCH Transport channel identity	Not Present		RBSF-079
- DL DSCH Transport channel identity	Not Present		RBSF-080
- CHOICE DL MAC header type	MAC-hs	Rel-7	RBSF-081
- DL HS-DSCH MAC-d flow identity	0		RBSF-082
- Logical channel identity	2		RBSF-083
- RB identity	3 (AM DCCH for NAS High Priority)		RBSF-084
- RB mapping info			RBSF-085
- Information for each multiplexing option	1 RBMuxOption		RBSF-086
- RLC logical channel mapping indicator	Not Present		RBSF-087
- Number of uplink RLC logical channels	1		RBSF-088
- Uplink transport channel type	DCH		RBSF-089
- UL Transport channel identity	5		RBSF-090
- Logical channel identity	3		RBSF-091
- CHOICE RLC size list	Configured		RBSF-092
- MAC logical channel priority	3		RBSF-093
- Downlink RLC logical channel info			RBSF-094
- Number of RLC logical channels	1		RBSF-095
- Downlink transport channel type	HS-DSCH		RBSF-096
- DL DCH Transport channel identity	Not Present		RBSF-097
- DL DSCH Transport channel identity	Not Present		RBSF-098
- CHOICE DL MAC header type	MAC-hs	Rel-7	RBSF-099
- DL HS-DSCH MAC-d flow identity	0		RBSF-100
- Logical channel identity	3		RBSF-101
- RB identity	4 (AM DCCH for NAS Low Priority)		RBSF-102
- RB mapping info			RBSF-103
- Information for each multiplexing option	1 RBMuxOption		RBSF-104
- RLC logical channel mapping indicator	Not Present		RBSF-105
- Number of uplink RLC logical channels	1		RBSF-106
- Uplink transport channel type	DCH		RBSF-107
- UL Transport channel identity	5		RBSF-108
- Logical channel identity	4		RBSF-109
- CHOICE RLC size list	Configured		RBSF-110

Information Element	Value/remark	Version	Index
- MAC logical channel priority	4		RBSF-111
- Downlink RLC logical channel info			RBSF-112
- Number of RLC logical channels	1		RBSF-113
- Downlink transport channel type	HS-DSCH		RBSF-114
- DL DCH Transport channel identity	Not Present		RBSF-115
- DL DSCH Transport channel identity	Not Present		RBSF-116
- CHOICE DL MAC header type	MAC-hs	Rel-7	RBSF-117
- DL HS-DSCH MAC-d flow identity	0		RBSF-118
- Logical channel identity	4		RBSF-119
Downlink counter synchronization info	Not Present	Rel-6	RBSF-120
PDCP ROHC target mode	Not Present	Rel-6	RBSF-121
UL Transport channel information for all transport channels		Rel-6	RBSF-122
- PRACH TFCS	Not Present		RBSF-123
- CHOICE Mode	FDD		RBSF-124
- TFC subset	Not Present		RBSF-125
- UL DCH TFCS			RBSF-126
- CHOICE TFCI signalling	Normal		RBSF-127
- TFCI Field 1 information			RBSF-128
- CHOICE TFCS representation	Complete reconfiguration		RBSF-129
- TFCS complete reconfiguration information			RBSF-130
- CHOICE CTFC Size	2 bit CTFC		RBSF-131
- CTFC information	2 TFCs		RBSF-132
- 2bit CTFC	0		RBSF-133
- Power offset Information			RBSF-134
- CHOICE Gain Factors	computedGainFactors		RBSF-135
- Reference TFC ID	0		RBSF-136
- CHOICE mode	FDD		RBSF-137
- Power offset Pp-m	Not Present		RBSF-138
- 2bit CTFC	1		RBSF-139
- Power offset Information			RBSF-140
- CHOICE Gain Factors	signalledGainFactors		RBSF-141
- CHOICE mode	FDD		RBSF-142
- Gain factor ßc	15		RBSF-143
- Gain factor ßd	15		RBSF-144
- Reference TFC ID	0		RBSF-145
- CHOICE mode	FDD		RBSF-146
- Power offset Pp-m	Not Present		RBSF-147
Deleted UL TrCH information	Not Present	Rel-6	RBSF-148
Added or Reconfigured UL TrCH information		Rel-6	RBSF-149
- Added or Reconfigured UL TrCH information			RBSF-150
- Uplink transport channel type	DCH		RBSF-151
- UL Transport channel identity	5		RBSF-152
- TFS			RBSF-153
- CHOICE Transport channel type	Dedicated transport channels		RBSF-154
- Dynamic Transport Format Information			RBSF-155
- RLC size	96 bits		RBSF-156
- Number of TBs and TTI List	2		RBSF-157
- Transmission Time Interval	Not Present		RBSF-158
- Number of Transport blocks	0		RBSF-159
- Transmission Time Interval	Not Present		RBSF-160
- Number of Transport blocks	1		RBSF-161
- CHOICE Logical channel List	ALL		RBSF-162
- Semi-static Transport Format Information			RBSF-163
- Transmission time interval	40		RBSF-164
- Type of channel coding	Convolutional		RBSF-165
- Coding Rate	1/3		RBSF-166
- Rate matching attribute	256		RBSF-167
- CRC size	12		RBSF-168
DL Transport channel information common for all transport channel	Not Present	Rel-6	RBSF-169
Deleted DL TrCH information		Rel-6	RBSF-170
- Downlink transport channel type	DCH		RBSF-171
- DL Transport channel identity	10		RBSF-172
Added or Reconfigured DL TrCH information	1 TrCH (HS-DSCH for DTCH and DCCH)	Rel-6	RBSF-173
- Downlink transport channel type	HS-DSCH		RBSF-174
- DL Transport channel identity	Not Present		RBSF-175

Information Element	Value/remark	Version	Index
- CHOICE DL parameters	HS-DSCH		RBSF-176
- HARQ Info			RBSF-177
- Number of Processes	Reference to TS34.121 [2] Annex C Fixed Reference Channels		RBSF-178
- CHOICE *Memory Partitioning*	Explicit		RBSF-179
- Memory size	Reference to TS34.121 [2] Annex C Fixed Reference Channels parameter “Number of HARQ Processes”.		RBSF-180
- Process Memory Size	Reference to TS34.121 [2] Annex C Fixed Reference Channels parameter “Number of SML’s per HARQ Proc.”.		RBSF-181
- Additional memory sizes for MIMO	Not Present	Rel-7	RBSF-182
- CHOICE DL MAC header type	MAC-hs	Rel-7	RBSF-183
- Added or reconfigured MAC-d flow			RBSF-184
- MAC-hs queue to add or reconfigure list	(two queues)		RBSF-185
- MAC-hs queue Id	0 (for DCCH)		RBSF-186
- MAC-d Flow Identity	0		RBSF-187
- T1	50		RBSF-188
- MAC-hs window size	16		RBSF-189
- MAC-d PDU size Info			RBSF-190
- MAC-d PDU size	100		RBSF-191
- MAC-d PDU size index	0		RBSF-192
- MAC-hs queue Id	1 (for DTCH)		RBSF-193
- MAC-d Flow Identity	1		RBSF-194
- T1	50		RBSF-195
- MAC-hs window size	16		RBSF-196
- MAC-d PDU size Info			RBSF-197
- MAC-d PDU size	Reference to TS34.121 [2] Annex C Fixed Reference Channels		RBSF-198
- MAC-d PDU size index	0		RBSF-199
- MAC-hs queue to delete list	Not present		RBSF-200
- DCH quality target	Not present		RBSF-201
Frequency info	Not present		RBSF-202
Multi-frequency Info	Not present	Rel-7	RBSF-203
DTX-DRX timing information	Not present	Rel-7	RBSF-204
DRX Information	Not present	Rel-7	RBSF-205
HS-SCCH less Information	Not present	Rel-7	RBSF-206
MIMO parameters	Not present	Rel-7	RBSF-207
Maximum allowed UL TX power	33dBm		RBSF-208
Uplink DPCH info		Rel-6	RBSF-209
- Uplink DPCH power control info			RBSF-210
- DPCCH power offset	-40 (-80dB)		RBSF-211
- PC Preamble	1 frame		RBSF-212
- SRB delay	7 frames		RBSF-213
- Power Control Algorithm	Algorithm1		RBSF-214
- TPC step size	0 (1dB)		RBSF-215
- Δ_{ACK}	3		RBSF-216
- Δ_{NACK}	3		RBSF-217
- Ack-Nack repetition factor	1		RBSF-218
- HARQ_preamble_mode	0		RBSF-219
- CHOICE mode	FDD		RBSF-220
- Scrambling code type	Long		RBSF-221
- Scrambling code number	0 (0 to 16777215)		RBSF-222
- Number of DPDCH	Not Present (1)		RBSF-223
- spreading factor	256		RBSF-224
- TFCI existence	TRUE		RBSF-225
- Number of FBI bit	Not Present(0)		RBSF-226
- Puncturing Limit	1		RBSF-227
E-DCH info	Not Present	Rel-6	RBSF-228
Downlink HS-PDSCH Information		Rel-6	RBSF-229
- HS-SCCH Info			RBSF-230
- CHOICE mode	FDD		RBSF-231
- DL Scrambling Code	Not present		RBSF-232
- HS-SCCH Channelisation Code Information			RBSF-233
- HS-SCCH Channelisation Code	2		RBSF-234
- Measurement Feedback Info			RBSF-235

Information Element	Value/remark	Version	Index
- CHOICE mode	FDD		RBSF-236
- POhsdsch	6 dB		RBSF-237
- CQI Feedback cycle, k	2 ms		RBSF-238
- CQI repetition factor	1		RBSF-239
- Δ_{CQI}	5 (corresponds to 0dB in relative power offset)		RBSF-240
- CHOICE mode	FDD		RBSF-241
- Downlink 64QAM configured	Not Present	Rel-7	RBSF-242
Downlink information common for all radio links		Rel-6	RBSF-243
- Downlink F-DPCH info common for all RL			RBSF-244
- Timing Indication	Maintain		RBSF-245
- Timing maintained Synchronization indicator	FALSE		RBSF-246
- Downlink F-DPCH power control information			RBSF-247
- DPC mode	0 (single)		RBSF-248
- TPC command error rate target	0.04		RBSF-249
- CHOICE mode	FDD		RBSF-250
- DPCH compressed mode info	Not Present		RBSF-251
- TX Diversity mode	None		RBSF-252
- Default DPCH Offset Value	Not Present		RBSF-253
- MAC-hs reset indicator	Not Present		RBSF-254
Downlink information for each radio link list		Rel-6	RBSF-255
- Downlink information for each radio link			RBSF-256
- Choice mode	FDD		RBSF-257
- Primary CPICH info			RBSF-258
- Primary scrambling code	Ref. to clause 6.1 "Default settings (FDD)"		RBSF-259
- Serving HS-DSCH radio link indicator	TRUE		RBSF-260
- Downlink DPCH info for each RL	Not Present		RBSF-261
- Downlink F-DPCH info for each RL			RBSF-262
- Primary CPICH usage for channel estimation	Primary CPICH may be used		RBSF-263
- F-DPCH frame offset	Set to value Default DPCH Offset Value (as currently stored in SS) mod 38 400		RBSF-264
- Secondary CPICH info	Not Present		RBSF-265
- Secondary scrambling code	Not Present		RBSF-266
- Code number	6		RBSF-267
- TPC combination index	0		RBSF-268
MBMS PL Service Restriction Information	Not Present	Rel-6	RBSF-269

Contents of RADIO BEARER SETUP message: AM or UM (DC-HSDPA)

Information Element	Value/remark	Version	Index
Message Type			RBSD-001
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3		RBSD-002
Integrity check info			RBSD-003
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.		RBSD-004
- RRC message sequence number	SS provides the value of this IE, from its internal counter.		RBSD-005
Integrity protection mode info	Not Present		RBSD-006
Ciphering mode info	Not Present		RBSD-007
Activation time	Not Present		RBSD-008
New U-RNTI	Not Present		RBSD-009
New C-RNTI	Not Present		RBSD-010
New H-RNTI	'1010 1010 1010 1010'	Rel-5	RBSD-011
New Primary E-RNTI	Not Present	Rel-6	RBSD-012
New Secondary E-RNTI	Not Present	Rel-6	RBSD-013
RRC State indicator	CELL_DCH		RBSD-014
UTRAN DRX cycle length coefficient	Not Present		RBSD-015
CN information info	Not Present		RBSD-016
URA identity	Not Present		RBSD-017
CHOICE specification mode	Complete specification	Rel-6	RBSD-018
Signalling RB information to setup	Not Present		RBSD-019
RAB information for setup list			RBSD-020
- RAB information for setup			RBSD-021
- RAB info	(high-speed UM DTCH for PS domain)		RBSD-022

Information Element	Value/remark	Version	Index
- RAB identity	0000 0110B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.		RBSD-023
- CN domain identity	PS domain		RBSD-024
- NAS Synchronization Indicator	Not Present		RBSD-025
- Re-establishment timer	UseT315		RBSD-026
- RB information to setup			RBSD-027
- RB identity	25		RBSD-028
- PDCP info	Not Present		RBSD-029
- CHOICE RLC info type	RLC info		RBSD-030
- CHOICE Uplink RLC mode	Not Present		RBSD-031
- CHOICE Downlink RLC mode	UM RLC		RBSD-032
- DL UM RLC LI size	Selected with DL UM RLC data size	Rel-5	RBSD-033
- One sided RLC re-establishment	FALSE	Rel-5	RBSD-034
- RB mapping info			RBSD-035
- Information for each multiplexing option	1 RBMuxOptions		RBSD-036
- RLC logical channel mapping indicator	Not Present		RBSD-037
- Downlink RLC logical channel info			RBSD-038
- Number of downlink RLC logical channels	1		RBSD-039
- Downlink transport channel type	HS-DSCH		RBSD-040
- DL DCH Transport channel identity	Not Present		RBSD-041
- DL DSCH Transport channel identity	Not Present		RBSD-042
- CHOICE DL MAC header type	MAC-ehs	Rel-7	RBSD-043
- DL HS-DSCH MAC-ehs Queue Id	0		RBSD-044
- Logical channel identity	1		RBSD-045
RB information to reconfigure list	Not Present	Rel-6	RBSD-046
RB information to be affected list	Not Present		RBSD-047
Downlink counter synchronization info	Not Present		RBSD-048
PDCP ROHC target mode	Not Present	Rel-5	RBSD-049
UL Transport channel information for all transport channels			RBSD-050
- PRACH TFCS	Not Present		RBSD-051
- CHOICE mode	FDD		RBSD-052
- TFC subset	Not Present		RBSD-053
- UL DCH TFCS			RBSD-054
- CHOICE TFCI signalling	Normal		RBSD-055
- TFCI Field 1 information			RBSD-056
- CHOICE TFCS representation	Complete reconfiguration		RBSD-057
- TFCS complete reconfigure information			RBSD-058
- CHOICE CTFC Size	2 bit CTFC		RBSD-059
- CTFC information	4 TFCs		RBSD-060
- CTFC	Reference to clause TS 34.121 clause C.2.1 Parameter Set		RBSD-061
- Power offset information			RBSD-062
- CHOICE Gain Factors	Computed Gain Factors(The last TFC is set to Signalled Gain Factors)		RBSD-063
- Gain factor βc	8 (Not Present if the CHOICE Gain Factors is set to Computed Gain Factors)		RBSD-064
- Gain factor βd	15 (Not Present if the CHOICE Gain Factors is set to Computed Gain Factors)		RBSD-065
- Reference TFC ID	0		RBSD-066
- CHOICE mode	FDD		RBSD-067
- Power offset $P_{p\text{-}m}$	Not Present		RBSD-068
Deleted UL TrCH information list	Not Present		RBSD-069
Added or Reconfigured TrCH information list	Not Present		RBSD-070
CHOICE mode	Not Present		RBSD-071
DL Transport channel information common for all transport channel			RBSD-072
- SCCPCH TFCS	Not Present		RBSD-073
- CHOICE mode	FDD		RBSD-074
- CHOICE DL parameters	Explicit		RBSD-075
- DL DCH TFCS			RBSD-076
- CHOICE TFCI Signalling	Normal		RBSD-077
- TFCI Field 1 Information			RBSD-078
- CHOICE TFCS representation	Complete reconfiguration		RBSD-079

Information Element	Value/remark	Version	Index
- TFCS complete reconfigure			RBSD-080
- CHOICE CTFC Size	2 bit CTFC		RBSD-081
- CTFC information	4 TFCs		RBSD-082
- CTFC	Reference to clause TS 34.121 clause C.3.1 Parameter Set		RBSD-083
- Power offset information	Not Present		RBSD-084
Deleted DL TrCH information	Not Present		RBSD-085
Added or Reconfigured DL TrCH information list	1 TrCHs added		RBSD-086
- Added or Reconfigured DL TrCH information	(HS-DSCH for DTCH)		RBSD-087
- Downlink transport channel type	HS-DSCH	Rel-5	RBSD-088
- DL Transport channel identity	Not Present		RBSD-089
- CHOICE DL parameters	HS-DSCH		RBSD-090
- HARQ Info		Rel-5	RBSD-091
- Number of Processes	Reference to TS34.121 [2] Annex C Fixed Reference Channels		RBSD-092
- CHOICE *Memory Partitioning*	Explicit		RBSD-093
- Memory size	Reference to TS34.121 [2] Annex C Fixed Reference Channels parameter “Number of HARQ Processes”.		RBSD-094
- Process Memory Size	Reference to TS34.121 [2] Annex C Fixed Reference Channels parameter “Number of SML’s per HARQ Proc.”.		RBSD-095
- Additional memory sizes for MIMO	Not Present	Rel-7	RBSD-096
- CHOICE DL MAC header type	MAC-ehs	Rel-7	RBSD-097
- Added or reconfigured MAC-ehs reordering queue			RBSD-098
- MAC-ehs queue to add or reconfigure list	(one queue)	Rel-7	RBSD-099
- MAC-ehs queue Id	0		RBSD-100
- T1	50		RBSD-101
- Treset	Not Present		RBSD-102
- MAC-ehs window size	32		RBSD-103
- DCH quality target	Not present		RBSD-108
Frequency info	Not Present		RBSD-109
Multi-frequency Info	Not present	Rel-7	RBSD-110
DTX-DRX timing information	Not present	Rel-7	RBSD-111
DRX Information	Not present	Rel-7	RBSD-112
HS-SCCH less Information	Not present	Rel-7	RBSD-113
MIMO parameters	Not present	Rel-7	RBSD-114
Maximum allowed UL TX power	33dBm		RBSD-115
CHOICE channel requirement	Uplink DPCH info	Rel-5 and earlier	RBSD-116
Uplink DPCH info		Rel-6	RBSD-117
- Uplink DPCH power control info			RBSD-118
- CHOICE mode	FDD		RBSD-119
- DPCCH power offset	-40 (-80dB) IE value will have no effect on the UE UL power when closed loop power control is active		RBSD-120
- PC Preamble	1 frame		RBSD-121
- SRB delay	7 frames		RBSD-122
- Power Control Algorithm	Algorithm1		RBSD-123
- TPC step size	0 (1dB)		RBSD-124
- Δ_{ACK}	3	Rel-5	RBSD-125
- Δ_{NACK}	3	Rel-5	RBSD-126
- Ack-Nack repetition factor	1	Rel-5	RBSD-127
- CHOICE mode	FDD		RBSD-128
- Scrambling code type	Long		RBSD-129
- Scrambling code number	0 (0 to 16777215)		RBSD-130
- Number of DPDCH	Not Present (1)		RBSD-131
- spreading factor	64		RBSD-132
- TFCI existence	TRUE		RBSD-133
- Number of FBI bit	Not Present(0)		RBSD-134
- Puncturing Limit	1		RBSD-135
E-DCH Info	Not Present	Rel-6	RBSD-136
Downlink HS-PDSCH Information			RBSD-137
- HS-SCCH Info			RBSD-138
- CHOICE mode	FDD		RBSD-139
- DL Scrambling Code			RBSD-140
- HS-SCCH Channelisation Code Information			RBSD-141

Information Element	Value/remark	Version	Index
- HS-SCCH Channelisation Code	2		RBSD-142
- HS-SCCH Channelisation Code	3		RBSD-143
- Measurement Feedback Info			RBSD-146
- CHOICE mode	FDD		RBSD-147
- Measurement Power Offset	6 dB	Rel-5	RBSD-148
- CQI Feedback cycle, k	2 ms	Rel-5	RBSD-149
- CQI repetition factor	1	Rel-5	RBSD-150
- Δ_{CQI}	5 (corresponds to 0dB in relative power offset)	Rel-5	RBSD-151
- CHOICE mode	FDD		RBSD-152
- Downlink 64QAM configured	Not Present	Rel-7	RBSD-153
- HS-DSCH TB size table	Not Present	Rel-7	RBSD-153b
Downlink information common for all radio links	Not Present		RBSD-154
Downlink information per radio link list			RBSD-155
- Downlink information for each radio link			RBSD-156
- CHOICE mode	FDD		RBSD-157
- Primary CPICH info			RBSD-158
- Primary scrambling code	Reference to clause 6.1 "Default settings (FDD)"		RBSD-159
- Serving HS-DSCH radio link indicator	TRUE	Rel-5	RBSD-160
- Downlink DPCH info for each RL			RBSD-161
- CHOICE mode	FDD		RBSD-162
- Primary CPICH usage for channel estimation	Primary CPICH may be used		RBSD-163
- DPCH frame offset	Set to value Default DPCH Offset Value (as currently stored in SS) mod 38 400		RBSD-164
- Secondary CPICH info	Not Present		RBSD-165
- DL channelisation code			RBSD-166
- Secondary scrambling code	Not present		RBSD-167
- Spreading factor	128		RBSD-168
- Code number	96		RBSD-169
- Scrambling code change	No change		RBSD-170
- TPC combination index	0		RBSD-171
- Closed loop timing adjustment mode	Not Present		RBSD-172
Downlink secondary cell info FDD		Rel-8	RBSD-173
- CHOICE Configuration info	New configuration		RBSD-174
- New H-RNTI	'1010 1010 1010 1010'		RBSD-175
- Downlink 64QAM configured	Not Present		RBSD-176
- HS-DSCH TB size table	Not Present		RBSD-177
- Primary CPICH info			RBSD-178
- Primary scrambling code	Ref. to the Default setting in clause 6.1 (FDD)		RBSD-179
- DL Scrambling Code	Not Present		RBSD-180
- HS-SCCH Channelisation Code Information			RBSD-181
- HS-SCCH Channelisation Code	2		RBSD-182
- HS-SCCH Channelisation Code	3		RBSD-183
- Measurement Power Offset	6 dB		RBSD-184
- UARFCN downlink (Nd)	Reference to clause 5.1 Test frequencies		RBSD-185
MBMS PL Service Restriction Information	Not Present	Rel-6	RBSD-186

Contents of RADIO BEARER SETUP message: AM or UM (DC-HSUPA)

Information Element	Condition	Value/remark	Version	Index
Message Type				RBSE-001
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3		RBSE-002
Integrity check info				RBSE-003
- message authentication code		SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.		RBSE-004
- RRC message sequence number		SS provides the value of this IE, from its internal counter.		RBSE-005
Integrity protection mode info		Not Present		RBSE-006
Ciphering mode info		Not Present		RBSE-007
New U-RNTI		Not Present		RBSE-008
New C-RNTI		Not Present		RBSE-009
New DSCH-RNTI		Not Present	R99 and Rel-4 only	RBSE-010
New H-RNTI		'1010 1010 1010 1010'	Rel-5	RBSE-011
New Primary E-RNTI		'1010 1010 1010 1010'	Rel-6	RBSE-012
New Secondary E-RNTI		Not Present	Rel-6	RBSE-013
RRC State indicator		CELL_DCH		RBSE-014
UTRAN DRX cycle length coefficient		Not Present		RBSE-015
CN information info		Not Present		RBSE-016
URA identity		Not Present		RBSE-017
CHOICE specification mode		Complete specification	Rel-6	RBSE-018
- Signalling RB information to setup		Not Present		RBSE-019
- RAB information for setup list				RBSE-020
- RAB information for setup				RBSE-021
- RAB info		(high-speed UM DTCH for PS domain)		RBSE-022
- RAB identity		0000 0110B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.		RBSE-023
- CN domain identity		PS domain		RBSE-024
- NAS Synchronization Indicator		Not Present		RBSE-025
- Re-establishment timer		useT315		RBSE-026
- RB information to setup				RBSE-027
- RB identity		25		RBSE-028
- PDCP info		Not present		RBSE-029
- CHOICE RLC info type		RLC info		RBSE-030
- CHOICE Uplink RLC mode		UM RLC		RBSE-031
- Transmission RLC discard		Not present		RBSE-032
- CHOICE Downlink RLC mode		UM RLC		RBSE-033
- DL UM RLC LI size		Selected with DL UM RLC data size	Rel-5	RBSE-034
- DL Reception Window Size		Not present	Rel-6	RBSE-035
- One sided RLC re-establishment		FALSE		RBSE-036
- Alternative E-bit interpretation		Not present	Rel-6	RBSE-037
- RB mapping info				RBSE-038
- Information for each multiplexing option		1 RBMuxOptions		RBSE-039
- RLC logical channel mapping indicator		Not Present		RBSE-040
- Number of uplink RLC logical channels		1		RBSE-041
- Uplink transport channel type		E-DCH		RBSE-042
- Logical channel identity		7		RBSE-043
- E-DCH MAC-d flow identity		2		RBSE-044
- DDI		5		RBSE-045
- RLC PDU size list		1 RLC PDU size		RBSE-046
- RLC PDU size		336 bits		RBSE-047
- Include in scheduling info		TRUE		RBSE-048
- MAC logical channel priority		8		RBSE-049
- Downlink RLC logical channel info				RBSE-050

Information Element	Condition	Value/remark	Version	Index
- Number of downlink RLC logical channels		1		RBSE-051
- Downlink transport channel type		HS-DSCH		RBSE-052
- DL DCH Transport channel identity		Not Present		RBSE-053
- DL DSCH Transport channel identity		Not Present		RBSE-054
- CHOICE DL MAC header type		MAC-ehs	Rel-7	RBSE-055
- DL HS-DSCH MAC-d flow identity		0		RBSE-056
- Logical channel identity		Not Present		RBSE-057
RB information to reconfigure list		Not Present	Rel-6	RBSE-058
RB information to be affected				RBSE-059
- RB identity		1 (UM DCCH for RRC)		RBSE-060
- RB mapping info				RBSE-061
- Information for each multiplexing option		1 RBMuxOption		RBSE-062
- RLC logical channel mapping indicator		Not Present		RBSE-063
- Number of uplink RLC logical channels		1		RBSE-064
- Uplink transport channel type		E-DCH		RBSE-065
- Logical channel identity		1		RBSE-066
- E-DCH MAC-d flow identity		1		RBSE-067
- DDI		1		RBSE-068
- RLC PDU size list		1 RLC PDU size		RBSE-069
- RLC PDU size		96 bits		RBSE-070
- Include in scheduling info		FALSE		RBSE-071
- MAC logical channel priority		1		RBSE-072
- Downlink RLC logical channel info				RBSE-073
- Number of RLC logical channels		1		RBSE-074
- Downlink transport channel type		DCH		RBSE-075
- DL DCH Transport channel identity		10		RBSE-076
- DL DSCH Transport channel identity		Not Present		RBSE-077
- Logical channel identity		1		RBSE-078
- RB identity		2 (AM DCCH for RRC)		RBSE-079
- RB mapping info				RBSE-080
- Information for each multiplexing option		1 RBMuxOption		RBSE-081
- RLC logical channel mapping indicator		Not Present		RBSE-082
- Number of uplink RLC logical channels		1		RBSE-083
- Uplink transport channel type		E-DCH		RBSE-084
- Logical channel identity		2		RBSE-085
- E-DCH MAC-d flow identity		1		RBSE-086
- DDI		2		RBSE-087
- RLC PDU size list		1 RLC PDU size		RBSE-088
- RLC PDU size		96 bits		RBSE-089
- Include in scheduling info		FALSE		RBSE-090
- MAC logical channel priority		2		RBSE-091
- Downlink RLC logical channel info				RBSE-092
- Number of RLC logical channels		1		RBSE-093
- Downlink transport channel type		DCH		RBSE-094
- DL DCH Transport channel identity		10		RBSE-095
- DL DSCH Transport channel identity		Not Present		RBSE-096
- Logical channel identity		2		RBSE-097
- RB identity		3 (AM DCCH for NAS High Priority)		RBSE-098
- RB mapping info				RBSE-099
- Information for each multiplexing option		1 RBMuxOption		RBSE-100
- RLC logical channel mapping indicator		Not Present		RBSE-101
- Number of uplink RLC logical channels		1		RBSE-102
- Uplink transport channel type		E-DCH		RBSE-103
- Logical channel identity		3		RBSE-104
- E-DCH MAC-d flow identity		1		RBSE-105
- DDI		3		RBSE-106
- RLC PDU size list		1 RLC PDU size		RBSE-107

Information Element	Condition	Value/remark	Version	Index
- RLC PDU size		96 bits		RBSE-108
- Include in scheduling info		FALSE		RBSE-109
- MAC logical channel priority		3		RBSE-110
- Downlink RLC logical channel info				RBSE-111
- Number of RLC logical channels		1		RBSE-112
- Downlink transport channel type		DCH		RBSE-113
- DL DCH Transport channel identity		10		RBSE-114
- DL DSCH Transport channel identity		Not Present		RBSE-115
- Logical channel identity		3		RBSE-116
- RB identity		4 (AM DCCH for NAS Low Priority)		RBSE-117
- RB mapping info				RBSE-118
- Information for each multiplexing option		1 RBMuxOption		RBSE-119
- RLC logical channel mapping indicator		Not Present		RBSE-120
- Number of uplink RLC logical channels		1		RBSE-121
- Uplink transport channel type		E-DCH		RBSE-122
- Logical channel identity		4		RBSE-123
- E-DCH MAC-d flow identity		1		RBSE-124
- DDI		4		RBSE-125
- RLC PDU size list		1 RLC PDU size		RBSE-126
- RLC PDU size		96 bits		RBSE-127
- Include in scheduling info		FALSE		RBSE-128
- MAC logical channel priority		4		RBSE-129
- Downlink RLC logical channel info				RBSE-130
- Number of RLC logical channels		1		RBSE-131
- Downlink transport channel type		DCH		RBSE-132
- DL DCH Transport channel identity		10		RBSE-133
- DL DSCH Transport channel identity		Not Present		RBSE-134
- Logical channel identity		4		RBSE-135
Downlink counter synchronization info		Not Present		RBSE-136
PDCP ROHC target mode		Not Present	Rel-5	RBSE-137
UL Transport channel information for all transport channels		Not Present		RBSE-138
Deleted UL TrCH information				RBSE-139
- Uplink transport channel type		DCH		RBSE-140
- UL transport channel identity		5		RBSE-141
Added or Reconfigured UL TrCH information list		1 TrCH added		RBSE-142
- Added or Reconfigured UL TrCH information		1 E-DCH added with one DCCH MAC-d flow and one DTCH MAC-d flow		RBSE-143
- Uplink transport channel type		E-DCH		RBSE-144
- CHOICE UL parameters		E-DCH		RBSE-145
- UL MAC header type		MAC-i/is	Rel-8	RBSE-145a
- E-DCH Transmission Time Interval		2ms		RBSE-146
- HARQ info for E-DCH				RBSE-147
- HARQ RV Configuration		Rv0		RBSE-148
- Added or reconfigured E-DCH MAC-d flow		(for DCCH)		RBSE-149
- E-DCH MAC-d flow identity		1		RBSE-150
- E-DCH MAC-d flow power offset		0		RBSE-151
- E-DCH MAC-d flow maximum number of retransmissions		7		RBSE-152
- E-DCH MAC-d flow multiplexing list		Not Present		RBSE-153
- CHOICE transmission grant type		Non-scheduled grant info		RBSE-154
- Max MAC-e PDU contents size		114 bits		RBSE-155
- 2 ms non-scheduled transmission grant HARQ process allocation		Not Present		RBSE-156
- Added or reconfigured E-DCH MAC-d flow		(for DTCH)		RBSE-157
- E-DCH MAC-d flow identity		2		RBSE-158
- E-DCH MAC-d flow power offset		0		RBSE-159
- E-DCH MAC-d flow maximum number of retransmissions		7		RBSE-160
- E-DCH MAC-d flow multiplexing list		Not Present		RBSE-161

Information Element	Condition	Value/remark	Version	Index
- CHOICE transmission grant type		Scheduled grant info		RBSE-162
CHOICE *mode*		Not Present	R99 and Rel-4 only	RBSE-163
DL Transport channel information common for all transport channels		Not Present		RBSE-164
DL Transport channel information common for all transport channels				RBSE-165
- SCCPCH TFCS		Not Present		RBSE-166
- CHOICE mode		FDD		RBSE-167
- CHOICE DL parameters		Explicit		RBSE-168
- DL DCH TFCS				RBSE-169
- CHOICE TFCI Signalling		Normal		RBSE-170
- TFCI Field 1 Information				RBSE-171
- CHOICE TFCS representation		Complete reconfiguration		RBSE-172
- TFCS complete reconfigure				RBSE-173
- CHOICE CTFC Size		2 bit CTFC		RBSE-174
- CTFC information		2 TFCs		RBSE-175
- 2bit CTFC		0		RBSE-176
- Power offset Information				RBSE-177
- CHOICE Gain Factors		computedGainFactors		RBSE-178
- Reference TFC ID		0		RBSE-179
- Power offset Pp-m		Not Present		RBSE-180
- 2bit CTFC		1		RBSE-181
- Power offset Information				RBSE-182
- CHOICE Gain Factors		signalledGainFactors		RBSE-183
- CHOICE mode		FDD		RBSE-184
- Gain factor ßc		15		RBSE-185
- Gain factor ßd		15		RBSE-186
- Reference TFC ID		0		RBSE-187
- CHOICE mode		FDD		RBSE-188
- Power offset Pp-m		Not Present		RBSE-189
Deleted TrCH information list		Not Present		RBSE-190
Added or Reconfigured TrCH information list		1 TrCH added		RBSE-191
- Added or Reconfigured DL TrCH information		HS-DSCH for DTCH added		RBSE-192
- Downlink transport channel type		HS-DSCH		RBSE-193
- DL Transport channel identity		Not Present		RBSE-194
- CHOICE DL parameters		HS-DSCH		RBSE-195
- HARQ Info				RBSE-196
- Number of Processes		Reference to TS34.121 [2] Annex C Fixed Reference Channels		RBSE-197
- CHOICE *Memory Partitioning*		Explicit		RBSE-198
- Memory size		Reference to TS34.121 [2] Annex C Fixed Reference Channels parameter “Number of HARQ Processes".		RBSE-199
- Process Memory Size		Reference to TS34.121 [2] Annex C Fixed Reference Channels parameter “Number of SML’s per HARQ Proc.”.		RBSE-200
- Additional memory sizes for MIMO		Not Present	Rel-7	RBSE-201
- CHOICE DL MAC header type		MAC-hs	Rel-7	RBSE-202
- Added or reconfigured MAC-d flow				RBSE-203
- MAC-hs queue to add or reconfigure list		(one queue)		RBSE-204
- MAC-hs queue Id		0		RBSE-205
- MAC-d Flow Identity		0		RBSE-206
- T1		50		RBSE-207
- MAC-hs window size		16		RBSE-208
- MAC-d PDU size Info				RBSE-209
- MAC-d PDU size		Reference to TS34.121 [2] Annex C Fixed Reference Channels		RBSE-210
- MAC-d PDU size index		0		RBSE-211
- MAC-hs queue to delete list		Not present		RBSE-212
- DCH quality target		Not present		RBSE-213

Information Element	Condition	Value/remark	Version	Index
Frequency info		Not present		RBSE-214
Multi-frequency Info		Not present	Rel-7	RBSE-215
DTX-DRX timing information		Not present	Rel-7	RBSE-216
DRX Information		Not present	Rel-7	RBSE-217
HS-SCCH less Information		Not present	Rel-7	RBSE-218
MIMO parameters		Not present	Rel-7	RBSE-219
Maximum allowed UL TX power		33dBm		RBSE-220
CHOICE channel requirement		Uplink DPCH info	Rel-5 and earlier	RBSE-221
Uplink DPCH info			Rel-6	RBSE-222
- Uplink DPCH power control info				RBSE-223
- DPCCH power offset		-40 (-80dB)		RBSE-224
- PC Preamble		1 frame		RBSE-225
- SRB delay		7 frames		RBSE-226
- Power Control Algorithm		Algorithm1		RBSE-227
- TPC step size		0 (1dB)		RBSE-228
- Δ_{ACK}	A1	0		RBSE-229
- Δ_{ACK}	A2	6		RBSE-229a
- Δ_{NACK}	A1	0		RBSE-230
- Δ_{NACK}	A2	6		RBSE-230a
- Ack-Nack repetition factor		1		RBSE-231
- HARQ_preamble_mode		0		RBSE-232
- Scrambling code type		Long		RBSE-233
- Scrambling code number		0 (0 to 16777215)		RBSE-234
- Number of DPDCH		0		RBSE-235
- spreading factor		Not present		RBSE-236
- TFCI existence		FALSE		RBSE-237
- Number of FBI bit		Not present		RBSE-238
- Puncturing Limit		Not present		RBSE-239
E-DCH info			Rel-6	RBSE-240
- MAC-es/e reset indicator		TRUE		RBSE-241
- E-DPCCH info				RBSE-242
- E-DPCCH/DPCCH power offset		0		RBSE-243
- Happy bit delay condition		100 ms		RBSE-244
- E-TFC Boost Info				RBSE-244a
- E-TFCI boost		67	Rel-7	RBSE-245
- Delta T2TP		5 (15 dB)		RBSE-245a
- E-DPDCH power interpolation		Not present	Rel-7	RBSE-246
- E-DPDCH info				RBSE-247
- E-TFCI table index	A1	0		RBSE-248
- E-TFCI table index	A2	1		RBSE-248a
- E-DCH minimum set E-TFCI		67		RBSE-249
- Reference E-TFCIs		2 E-TFCI		RBSE-250
- Reference E-TFCI		1		RBSE-251
- Reference E-TFCI PO		12		RBSE-252
- Reference E-TFCI		68		RBSE-252a
- Reference E-TFCI PO		19		RBSE-252b
- Minimum reduced E-DPDCH gain factor.	A1	30/15	Rel-8	RBSE-252c
- Minimum reduced E-DPDCH gain factor.	A2	84/15	Rel-8	RBSE-252d
- Maximum channelisation codes		2sf2and2sf4		RBSE-253
- PLnon-max		0.84		RBSE-254
- Scheduling Information Configuration				RBSE-255
- Periodicity for Scheduling Info – no grant		Not present		RBSE-256
- Periodicity for Scheduling Info – grant		Not present		RBSE-257
- Power Offset for Scheduling Info		0		RBSE-258
- 3-Index-Step Threshold		Not present		RBSE-259
- 2-Index-Step Threshold		Not present		RBSE-260
- Scheduled Transmission configuration				RBSE-261
- 2ms scheduled transmission grant HARQ process allocation		Not present		RBSE-262
- Serving Grant		Not present		RBSE-263

Information Element	Condition	Value/remark	Version	Index
- UL 16QAM settings	A1	Not present	Rel-7	RBSE-264
- UL 16QAM settings	A2		Rel-7	RBSE-264a
- BetaEd gain E-AGCH table selection		1		RBSE-264b
CHOICE Mode		FDD	R99 and Rel-4 only	RBSE-265
- Downlink PDSCH information		Not Present	R99 and Rel-4 only	RBSE-266
Uplink secondary cell info FDD			Rel-9	RBSE-267
- Secondary serving E-DCH cell info				RBSE-268
- Primary E-RNTI		'1010 1010 1010 1010'		RBSE-269
- Secondary E-RNTI		Not Present		RBSE-270
- Secondary E-DCH info common				RBSE-271
- Frequency info				RBSE-272
- UARFCN uplink (Nu)		Reference to clause 5.1 Test frequencies		RBSE-273
- UARFCN downlink (Nd)		Reference to clause 5.1 Test frequencies		RBSE-274
- Scrambling code type		Short		RBSE-275
- Scrambling code number		0		RBSE-276
- 2ms scheduled transmission grant HARQ process allocation		Not Present		RBSE-277
- Serving Grant				RBSE-278
- Primary/Secondary Grant Selector		Primary		RBSE-279
- Minimum reduced E-DPDCH gain factor	A1	30/15		RBSE-280
- Minimum reduced E-DPDCH gain factor	A2	84/15		RBSE-280a
- E-DCH minimum set E-TFCI		67		RBSE-281
- DPCCH Power offset for secondary UL frequency		0 dB		RBSE-282
- PC Preamble		0 frame		RBSE-283
- Downlink information per radio link list on secondary UL frequency				RBSE-284
- Downlink information for each radio link on secondary UL frequency		1		RBSE-285
- Primary CPICH info				RBSE-286
- Primary scrambling code		Ref. to the Default setting in clause 6.1 (FDD)		RBSE-287
- Cell ID		Not Present		RBSE-288
- Downlink F-DPCH info for each RL on secondary UL frequency				RBSE-289
- Downlink F-DPCH info for each RL				RBSE-290
- Primary CPICH usage for channel estimate				RBSE-291
- F-DPCH frame offset		Set to value Default DPCH Offset Value (as currently stored in SS) mod 38 400		RBSE-292
- F-DPCH slot format		3 if UE supports enhanced F-DPCH, otherwise Not Present		RBSE-293
- Secondary CPICH info		Not Present		RBSE-294
- Secondary scrambling code		Not Present		RBSE-295
- Code number		12		RBSE-296
- TPC combination index		0		RBSE-297
- STTD		FALSE		RBSE-298
- E-AGCH Info				RBSE-299
- E-AGCH Channelisation Code		10		RBSE-300
- E-HICH Info				RBSE-301
- Channelisation Code		4		RBSE-302
- Signature Sequence		1		RBSE-303
- E-RGCH Info				RBSE-304
- Signature Sequence		0		RBSE-305
- RG combination index		0		RBSE-306
Downlink HS-PDSCH Information				RBSE-307
- HS-SCCH Info				RBSE-308
- CHOICE mode		FDD		RBSE-309
- DL Scrambling Code		Not present		RBSE-310
- HS-SCCH Channelisation Code Information				RBSE-311

Information Element	Condition	Value/remark	Version	Index
- HS-SCCH Channelisation Code		2		RBSE-312
- HS-SCCH Channelisation Code		3		RBSE-313
- Measurement Feedback Info				RBSE-314
- CHOICE mode		FDD		RBSE-315
- POhsdsch		6 dB		RBSE-316
- CQI Feedback cycle, k		2 ms		RBSE-317
- CQI repetition factor		1		RBSE-318
- Δ_{CQI}	A1	0		RBSE-319
- Δ_{CQI}	A2	6		RBSE-319a
- CHOICE mode		FDD		RBSE-320
- Downlink 64QAM configured		Not Present	Rel-7	RBSE-321
Downlink information common for all radio links		Not Present		RBSE-322
Downlink information for each radio link list				RBSE-323
- Downlink information for each radio link				RBSE-324
- Choice mode		FDD		RBSE-325
- Primary CPICH info				RBSE-326
- Primary scrambling code		Ref. to clause 6.1 "Default settings (FDD)"		RBSE-327
- PDSCH with SHO DCH info		Not Present	R99 and Rel-4 only	RBSE-328
- PDSCH code mapping		Not Present	R99 and Rel-4 only	RBSE-329
- Serving HS-DSCH radio link indicator		TRUE		RBSE-330
- Serving E-DCH radio link indicator		TRUE		RBSE-331
- Downlink DPCH info for each RL				RBSE-332
- CHOICE mode		FDD		RBSE-333
- Primary CPICH usage for channel estimation		Primary CPICH may be used		RBSE-334
- DPCH frame offset		Set to value Default DPCH Offset Value (as currently stored in SS) mod 38 400		RBSE-335
- Secondary CPICH info		Not Present		RBSE-336
- DL channelisation code				RBSE-337
- Secondary scrambling code		Not Present		RBSE-338
- Spreading factor		256		RBSE-339
- Code number		192		RBSE-340
- Scrambling code change		No code change		RBSE-341
- TPC combination index		0		RBSE-342
- SSDT Cell Identity		Not Present	R99 and Rel-4 only	RBSE-343
- Closed loop timing adjustment mode		Not Present		RBSE-344
- E-AGCH Info			Rel-6	RBSE-345
- E-AGCH Channelisation Code		14		RBSE-346
- CHOICE E-HICH Information			Rel-6	RBSE-347
- E-HICH Information				RBSE-348
- DL Scrambling code		Not Present (default is primary)		RBSE-349
- Channelisation code		6		RBSE-350
- Signature sequence		1		RBSE-351
- CHOICE E-RGCH Information		Not Present	Rel-6	RBSE-352
- SCCPCH information for FACH		Not Present	R99 and Rel-4 only	RBSE-353
Downlink secondary cell info FDD			Rel-8	RBSE-354
- CHOICE Configuration info		New configuration		RBSE-355
- New H-RNTI		'1010 1010 1010 1010'		RBSE-356
- Downlink 64QAM configured		Not Present		RBSE-357
- HS-DSCH TB size table		Not Present		RBSE-358
- Primary CPICH info				RBSE-359
- Primary scrambling code		Ref. to the Default setting in clause 6.1 (FDD)		RBSE-360
- DL Scrambling Code		Not Present		RBSE-361

Information Element	Condition	Value/remark	Version	Index
- HS-SCCH Channelisation Code Information				RBSE-362
- HS-SCCH Channelisation Code		2		RBSE-363
- HS-SCCH Channelisation Code		3		RBSE-364
- Measurement Power Offset		6 dB		RBSE-365
- UARFCN downlink (Nd)		Reference to clause 5.1 Test frequencies		RBSE-366
MBMS PL Service Restriction Information		Not Present	Rel-6	RBSE-367

Condition	Explanation	Version
A1	This IE is used when test is performed with UL E-DCH reference measurement channel for DC-HSUPA using BPSK as specified in TS 34.121-1 subclause C.2.6	
A2	This IE is used when test is performed with UL E-DCH reference measurement channel for DC-HSUPA using 16QAM as specified in TS 34.121-1 subclause C.2.7	

Contents of RRC CONNECTION RELEASE message: UM

Information Element	Value/remark	Version
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.	R99, Rel-4
- SRNC identity	0000 0000 0001B	
- S-RNTI	0000 0000 0000 0000 0001B	
CHOICE identity type	This IE is set to the following value when the message is transmitted on the CCCH. When transmitted on DCCH, this is absent.	Rel-5
- U-RNTI		
- 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	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. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.	
- 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	
Redirection info	Not Present	Rel-6

Contents of RRC CONNECTION SETUP message: UM

Information Element	Condition	Value/remark	Version	Index
Message Type				RCSU-001
Initial UE identity		Select the same identity as in the IE "Initial UE Identity" in received "RRC CONNECTION REQUEST" message		RCSU-002
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3		RCSU-003
Activation time		Not Present(Now)		RCSU-004
New U-RNTI				RCSU-005
- SRNC identity		0000 0000 0001B		RCSU-006
- S-RNTI		0000 0000 0000 0000 0001B		RCSU-007
New C-RNTI		Not Present		RCSU-008
New H-RNTI		Not Present	Rel-6	RCSU-009
New Primary E-RNTI		Not Present	Rel-6	RCSU-010
New Secondary E-RNTI		Not Present	Rel-6	RCSU-011
RRC State Indicator		CELL_DCH		RCSU-012
UTRAN DRX cycle length coefficient		9		RCSU-013
Capability update requirement				RCSU-014
- UE radio access FDD capability update		TRUE		RCSU-015

Information Element	Condition	Value/remark	Version	Index
requirement				
- UE radio access TDD capability update requirement		FALSE		RCSU-016
- UE radio access 3.84 Mcps TDD capability update requirement		FALSE	Rel-4	RCSU-017
- UE radio access 1.28 Mcps TDD capability update requirement		FALSE	Rel-4	RCSU-018
- System specific capability update requirement list		GSM		RCSU-019
CHOICE *specification mode*		Complete specification	Rel-5	RCSU-020
- Complete specification			Rel-5	RCSU-021
- Signalling RB information to setup list		4 SRBs		RCSU-022
- Signalling RB information to setup		(UM DCCH for RRC)		RCSU-023
- RB identity		Not Present		RCSU-024
- CHOICE RLC info type		RLC info		RCSU-025
- CHOICE Uplink RLC mode		UM RLC		RCSU-026
- Transmission RLC discard		Not Present		RCSU-027
- CHOICE Downlink RLC mode		UM RLC		RCSU-028
- DL UM RLC LI size		7 bit	Rel-6	RCSU-029
- One sided RLC re-establishment		FALSE	Rel-6	RCSU-030
- RB mapping info				RCSU-031
- Information for each multiplexing option		2 RBMuxOptions		RCSU-032
- RLC logical channel mapping indicator		Not Present		RCSU-033
- Number of RLC logical channels		1		RCSU-034
- Uplink transport channel type		DCH		RCSU-035
- UL Transport channel identity		5		RCSU-036
- Logical channel identity		1		RCSU-037
- CHOICE RLC size list		Configured		RCSU-038
- MAC logical channel priority		1		RCSU-039
- Downlink RLC logical channel info				RCSU-040
- Number of RLC logical channels		1		RCSU-041
- Downlink transport channel type		DCH		RCSU-042
- DL DCH Transport channel identity		10		RCSU-043
- DL DSCH Transport channel identity		Not Present		RCSU-044
- Logical channel identity		1		RCSU-045
- RLC logical channel mapping indicator		Not Present		RCSU-046
- Number of RLC logical channels		1		RCSU-047
- Uplink transport channel type		RACH		RCSU-048
- UL Transport channel identity		Not Present		RCSU-049
- Logical channel identity		1		RCSU-050
- CHOICE RLC size list		Explicit List		RCSU-051
- RLC size index		Reference to clause 6 Parameter Set		RCSU-052
- MAC logical channel priority		1		RCSU-053
- Downlink RLC logical channel info				RCSU-054
- Number of RLC logical channels		1		RCSU-055
- Downlink transport channel type		FACH		RCSU-056
- DL DCH Transport channel identity		Not Present		RCSU-057
- DL DSCH Transport channel identity		Not Present		RCSU-058
- Logical channel identity		1		RCSU-059
- Signalling RB information to setup		(AM DCCH for RRC)		RCSU-060
- RB identity		Not Present		RCSU-061
- CHOICE RLC info type				RCSU-062
- RLC info				RCSU-063
- CHOICE Uplink RLC mode		AM RLC		RCSU-064
- Transmission RLC discard				RCSU-065
- SDU discard mode		No Discard		RCSU-066
- MAX_DAT		15		RCSU-067
- Transmission window size		128		RCSU-068
- Timer_RST		500		RCSU-069
- Max_RST		1		RCSU-070
- Polling info				RCSU-071
- Timer_poll_prohibit		200		RCSU-072
- Timer_poll		200		RCSU-073
- Poll_PDU		Not Present		RCSU-074
- Poll_SDU		1		RCSU-075
- Last transmission PDU poll		TRUE		RCSU-076
- Last retransmission PDU poll		TRUE		RCSU-077

Information Element	Condition	Value/remark	Version	Index
- Poll_Windows		99		RCSU-078
- Timer_poll_periodic		Not Present		RCSU-079
- CHOICE Downlink RLC mode		AM RLC		RCSU-080
- DL RLC PDU size		96 bits	Rel-6	RCSU-081
- DL RLC PDU size	A1	144 bits	Rel-6	RCSU-082
- In-sequence delivery		TRUE		RCSU-083
- Receiving window size		128		RCSU-084
- Downlink RLC status info				RCSU-085
- Timer_status_prohibit		200		RCSU-086
- Timer_EPC		Not Present		RCSU-087
- Missing PDU indicator		TRUE		RCSU-088
- Timer_STATUS_periodic		Not Present		RCSU-089
- RB mapping info				RCSU-090
- Information for each multiplexing option		2 RBMuxOptions		RCSU-091
- RLC logical channel mapping indicator		Not Present		RCSU-092
- Number of RLC logical channels		1		RCSU-093
- Uplink transport channel type		DCH		RCSU-094
- UL Transport channel identity		5		RCSU-095
- Logical channel identity		2		RCSU-096
- CHOICE RLC size list		Configured		RCSU-097
- MAC logical channel priority		2		RCSU-098
- Downlink RLC logical channel info				RCSU-099
- Number of RLC logical channels		1		RCSU-100
- Downlink transport channel type		DCH		RCSU-101
- DL DCH Transport channel identity		10		RCSU-102
- DL DSCH Transport channel identity		Not Present		RCSU-103
- Logical channel identity		2		RCSU-104
- RLC logical channel mapping indicator		Not Present		RCSU-105
- Number of RLC logical channels		1		RCSU-106
- Uplink transport channel type		RACH		RCSU-107
- UL Transport channel identity		Not Present		RCSU-108
- Logical channel identity		2		RCSU-109
- CHOICE RLC size list		Explicit List		RCSU-110
- RLC size index		Reference to clause 6 Parameter Set		RCSU-111
- MAC logical channel priority		2		RCSU-112
- Downlink RLC logical channel info				RCSU-113
- Number of RLC logical channels		1		RCSU-114
- Downlink transport channel type		FACH		RCSU-115
- DL DCH Transport channel identity		Not Present		RCSU-116
- DL DSCH Transport channel identity		Not Present		RCSU-117
- Logical channel identity		2		RCSU-118
- Signalling RB information to setup		(AM DCCH for NAS_DT High priority)		RCSU-119
- RB identity		Not Present		RCSU-120
- CHOICE RLC info type				RCSU-121
- RLC info				RCSU-122
- CHOICE Uplink RLC mode		AM RLC		RCSU-123
- Transmission RLC discard				RCSU-124
- SDU discard mode		No Discard		RCSU-125
- MAX_DAT		15		RCSU-126
- Transmission window size		128		RCSU-127
- Timer_RST		500		RCSU-128
- Max_RST		1		RCSU-129
- Polling info				RCSU-130
- Timer_poll_prohibit		200		RCSU-131
- Timer_poll		200		RCSU-132
- Poll_PDU		Not Present		RCSU-133
- Poll_SDU		1		RCSU-134
- Last transmission PDU poll		TRUE		RCSU-135
- Last retransmission PDU poll		TRUE		RCSU-136
- Poll_Windows		99		RCSU-137
- Timer_poll_periodic		Not Present		RCSU-138
- CHOICE Downlink RLC mode		AM RLC		RCSU-139
- DL RLC PDU size		96 bits	Rel-6	RCSU-140
- DL RLC PDU size	A1	144 bits	Rel-6	RCSU-141
- In-sequence delivery		TRUE		RCSU-142
- Receiving window size		128		RCSU-143
- Downlink RLC status info				RCSU-144

Information Element	Condition	Value/remark	Version	Index
- Timer_status_prohibit		200		RCSU-145
- Timer_EPC		Not Present		RCSU-146
- Missing PDU indicator		TRUE		RCSU-147
- Timer_STATUS_periodic		Not Present		RCSU-148
- RB mapping info				RCSU-149
- Information for each multiplexing option		2 RBMuxOptions		RCSU-150
- RLC logical channel mapping indicator		Not Present		RCSU-151
- Number of RLC logical channels		1		RCSU-152
- Uplink transport channel type		DCH		RCSU-153
-UL Transport channel identity		5		RCSU-154
- Logical channel identity		3		RCSU-155
- CHOICE RLC size list		Configured		RCSU-156
- MAC logical channel priority		3		RCSU-157
- Downlink RLC logical channel info				RCSU-158
- Number of RLC logical channels		1		RCSU-159
- Downlink transport channel type		DCH		RCSU-160
- DL DCH Transport channel identity		10		RCSU-161
- DL DSCH Transport channel identity		Not Present		RCSU-162
- Logical channel identity		3		RCSU-163
- RLC logical channel mapping indicator		Not Present		RCSU-164
- Number of RLC logical channels		1		RCSU-165
- Uplink transport channel type		RACH		RCSU-166
- UL Transport channel identity		Not Present		RCSU-167
- Logical channel identity		3		RCSU-168
- CHOICE RLC size list		Explicit List		RCSU-169
- RLC size index		Reference to clause 6 Parameter Set		RCSU-170
- MAC logical channel priority		3		RCSU-171
- Downlink RLC logical channel info				RCSU-172
- Number of RLC logical channels		1		RCSU-173
- Downlink transport channel type		FACH		RCSU-174
- DL DCH Transport channel identity		Not Present		RCSU-175
- DL DSCH Transport channel identity		Not Present		RCSU-176
- Logical channel identity		3		RCSU-177
- Signalling RB information to setup		(AM DCCH for NAS_DT Low priority)		RCSU-178
- RB identity		Not Present		RCSU-179
- CHOICE RLC info type				RCSU-180
- RLC info				RCSU-181
- CHOICE Uplink RLC mode		AM RLC		RCSU-182
- Transmission RLC discard				RCSU-183
- SDU discard mode		No Discard		RCSU-184
- MAX_DAT		15		RCSU-185
- Transmission window size		128		RCSU-186
- Timer_RST		500		RCSU-187
- Max_RST		1		RCSU-188
- Polling info				RCSU-189
- Timer_poll_prohibit		200		RCSU-190
- Timer_poll		200		RCSU-191
- Poll_PDU		Not Present		RCSU-192
- Poll_SDU		1		RCSU-193
- Last transmission PDU poll		TRUE		RCSU-194
- Last retransmission PDU poll		TRUE		RCSU-195
- Poll_Windows		99		RCSU-196
- Timer_poll_periodic		Not Present		RCSU-197
- CHOICE Downlink RLC mode		AM RLC		RCSU-198
- DL RLC PDU size		96 bits	Rel-6	RCSU-199
- DL RLC PDU size	A1	144 bits	Rel-6	RCSU-200
- In-sequence delivery		TRUE		RCSU-201
- Receiving window size		128		RCSU-202
- Downlink RLC status info				RCSU-203
- Timer_status_prohibit		200		RCSU-204
- Timer_EPC		Not Present		RCSU-205
- Missing PDU indicator		TRUE		RCSU-206
- Timer_STATUS_periodic		Not Present		RCSU-207
- RB mapping info				RCSU-208
- Information for each multiplexing option		2 RBMuxOptions		RCSU-209
- RLC logical channel mapping indicator		Not Present		RCSU-210
- Number of RLC logical channels		1		RCSU-211

Information Element	Condition	Value/remark	Version	Index
- Uplink transport channel type		DCH		RCSU-212
- UL Transport channel identity		5		RCSU-213
- Logical channel identity		4		RCSU-214
- CHOICE RLC size list		Configured		RCSU-215
- MAC logical channel priority		4		RCSU-216
- Downlink RLC logical channel info				RCSU-217
- Number of RLC logical channels		1		RCSU-218
- Downlink transport channel type		DCH		RCSU-219
- DL DCH Transport channel identity		10		RCSU-220
- DL DSCH Transport channel identity		Not Present		RCSU-221
- Logical channel identity		4		RCSU-222
- RLC logical channel mapping indicator		Not Present		RCSU-223
- Number of RLC logical channels		1		RCSU-224
- Uplink transport channel type		RACH		RCSU-225
- UL Transport channel identity		Not Present		RCSU-226
- Logical channel identity		4		RCSU-227
- CHOICE RLC size list		Explicit List		RCSU-228
- RLC size index		Reference to clause 6 Parameter Set		RCSU-229
- MAC logical channel priority		4		RCSU-230
- Downlink RLC logical channel info				RCSU-231
- Number of RLC logical channels		1		RCSU-232
- Downlink transport channel type		FACH		RCSU-233
- DL DCH Transport channel identity		Not Present		RCSU-234
- DL DSCH Transport channel identity		Not Present		RCSU-235
- Logical channel identity		4		RCSU-236
UL Transport channel information for all transport channels				RCSU-237
- PRACH TFCS		Not Present		RCSU-238
- CHOICE Mode		FDD		RCSU-239
- TFC subset		Not Present		RCSU-240
- UL DCH TFCS				RCSU-241
- CHOICE TFCI signalling		Normal		RCSU-242
- TFCI Field 1 information				RCSU-243
- CHOICE TFCS representation		Complete reconfiguration		RCSU-244
- TFCS complete reconfiguration information				RCSU-245
- CHOICE CTFC Size		2 bit CTFC		RCSU-246
- CTFC information		2 TFCs		RCSU-247
- 2bit CTFC		0		RCSU-248
- Power offset Information				RCSU-249
- CHOICE Gain Factors		computedGainFactors		RCSU-250
- Reference TFC ID		0		RCSU-251
- CHOICE mode		FDD		RCSU-252
- Power offset Pp-m		Not Present		RCSU-253
- 2bit CTFC		1		RCSU-254
- Power offset Information				RCSU-255
- CHOICE Gain Factors		signalledGainFactors		RCSU-256
- CHOICE mode		FDD		RCSU-257
- Gain factor ßc		15		RCSU-258
- Gain factor ßd		15		RCSU-259
- Reference TFC ID		0		RCSU-260
- CHOICE mode		FDD		RCSU-261
- Power offset Pp-m		Not Present		RCSU-262
Added or Reconfigured UL TrCH information list		1		RCSU-263
- Added or Reconfigured UL TrCH information				RCSU-264
- Uplink transport channel type		DCH		RCSU-265
- UL Transport channel identity		5		RCSU-266
- TFS				RCSU-267
- CHOICE Transport channel type		Dedicated transport channels		RCSU-268
- Dynamic Transport Format Information				RCSU-269
- RLC size		96 bits		RCSU-270
- RLC size	A1	144 bits		RCSU-271
- Number of TBs and TTI List		2		RCSU-272
- Transmission Time Interval		Not Present		RCSU-273
- Number of Transport blocks		0		RCSU-274
- Transmission Time Interval		Not Present		RCSU-275
- Number of Transport blocks		1		RCSU-276
- CHOICE Logical channel List		ALL		RCSU-277

Information Element	Condition	Value/remark	Version	Index
- Semi-static Transport Format Information				RCSU-278
- Transmission time interval		40		RCSU-279
- Type of channel coding		Convolutional		RCSU-280
- Coding Rate		1/3		RCSU-281
- Rate matching attribute		256		RCSU-282
- CRC size		12		RCSU-283
- CRC size	A1	16		RCSU-284
DL Transport channel information common for all transport channel				RCSU-285
- SCCPCH TFCS		Not Present		RCSU-286
- CHOICE mode		FDD		RCSU-287
- CHOICE DL parameters		Same as UL		RCSU-288
Added or Reconfigured DL TrCH information list		1		RCSU-289
- Added or Reconfigured DL TrCH information				RCSU-290
- Downlink transport channel type		DCH		RCSU-291
- DL Transport channel identity		10		RCSU-292
- CHOICE DL parameters		SameAasUL		RCSU-293
- Uplink transport channel type		DCH		RCSU-294
- UL TrCH Identity		5		RCSU-295
- DCH quality target				RCSU-296
- BLER Quality value		-20 (-2.0)		RCSU-297
Frequency info		Not Present		RCSU-298
Maximum allowed UL TX power		Not Present		RCSU-299
CHOICE channel requirement		Uplink DPCH info	Rel-5 and earlier	RCSU-300
Uplink DPCH info			Rel-6	RCSU-301
- Uplink DPCH power control info				RCSU-302
- DPCCH power offset		-40 (-80dB)		RCSU-303
- PC Preamble		1 frame		RCSU-304
- SRB delay		7 frames		RCSU-305
- Power Control Algorithm		Algorithm1		RCSU-306
- TPC step size		0 (1dB)		RCSU-307
- Δ_{ACK}		Not Present	Rel-5	RCSU-308
- Δ_{NACK}		Not Present	Rel-5	RCSU-309
- Ack-Nack repetition factor		Not Present	Rel-5	RCSU-310
- HARQ_preamble_mode		0	Rel-6	RCSU-311
- CHOICE mode		FDD		RCSU-312
- Scrambling code type		Long		RCSU-313
- Scrambling code number		0 (0 to 16777215)		RCSU-314
- Number of DPDCH		Not Present (1)		RCSU-315
- Spreading factor		256		RCSU-316
- TFCI existence		TRUE		RCSU-317
- Number of FBI bit		Not Present(0)		RCSU-318
- Puncturing Limit		1		RCSU-319
E-DCH Info		Not Present	Rel-6	RCSU-320
Downlink HS-PDSCH Information		Not Present	Rel-6	RCSU-321
Downlink information common for all radio links				RCSU-322
- Downlink DPCH info common for all RL				RCSU-323
- Timing Indication		Initialize		RCSU-324
- CFN-targetSFN frame offset		Not Present		RCSU-325
- Downlink DPCH power control information				RCSU-326
- CHOICE mode		FDD		RCSU-327
- DPC mode		0 (single)		RCSU-328
- CHOICE mode		FDD		RCSU-329
- Power offset $P_{Pilot-DPDCH}$		0		RCSU-330
- DL rate matching restriction information		Not Present		RCSU-331
- Spreading factor		256		RCSU-332
- Fixed or Flexible Position		Fixed		RCSU-333
- TFCI existence		FALSE		RCSU-334
- CHOICE SF				RCSU-335
- Number of bits for Pilot bits		8		RCSU-336
- DPCH compressed mode info		Not Present		RCSU-337
- TX Diversity mode		None		RCSU-338
- SSDT information		Not Present	R99 and Rel-4	RCSU-339

Information Element	Condition	Value/remark	Version	Index
- Default DPCH Offset Value		Arbitrary set to value 0..306688 by step of 512	only	RCSU-340
Downlink information for per radio links list				RCSU-341
-Downlink information for each radio links				RCSU-342
- CHOICE mode		FDD		RCSU-343
- Primary CPICH info				RCSU-344
- Primary scrambling code		Reference to clause 6.1 "Default settings (FDD)"		RCSU-345
- PDSCH with SHO DCH info		Not Present	R99 and Rel-4 only	RCSU-346
- PDSCH code mapping		Not Present	R99 and Rel-4 only	RCSU-347
- Serving HS-DSCH radio link indicator		FALSE	Rel-6	RCSU-348
- Serving E-DCH radio link indicator		FALSE	Rel-6	RCSU-349
- Downlink DPCH info for each RL				RCSU-350
- CHOICE mode		FDD		RCSU-351
- Primary CPICH usage for channel estimation		Primary CPICH may be used		RCSU-352
- DPCH frame offset		Set to value : Default DPCH Offset Value mod 38 400		RCSU-353
- Secondary CPICH info		Not Present		RCSU-354
- DL channelisation code				RCSU-355
- Secondary scrambling code		Not Present		RCSU-356
- Spreading factor		256		RCSU-357
- Code number		192		RCSU-358
- Scrambling code change		Not Present		RCSU-359
- TPC combination index		0		RCSU-360
- SSDT Cell Identity		Not Present	R99 and Rel-4 only	RCSU-361
- Closed loop timing adjustment mode		Not Present		RCSU-362
- E-AGCH Info		Not Present	Rel-6	RCSU-363
- E-HICH Information		Not Present	Rel-6	RCSU-364
- E-RGCH Information		Not Present	Rel-6	RCSU-365
- SCCPCH information for FACH		Not Present	R99 and Rel-4 only	RCSU-366

Condition	Explanation
A1	UE supporting 64kbps(Chanel2)

Contents of SECURITY MODE COMMAND message: AM

Information Element	Condition	Value/remark
Message Type	A1, A2	
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. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
- 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 - UIA1 - Spare		0000000000000010B (UIA1) TRUE Spare 0 and Spare 2-15 = FALSE
Ciphering mode info - Ciphering mode command - Ciphering algorithm - Ciphering activation time for DPCH - Radio bearer downlink ciphering activation time info - Radio bearer activation time - RB identity - RLC sequence number - RB identity - RLC sequence number - RB identity - RLC sequence number - RB identity - RLC sequence number		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. Start/restart 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. Not Present 1 Current RLC SN 2 Current RLC SN+3(or Calculated Value) 3 Current RLC SN 4 Current RLC SN
Integrity protection mode info - Integrity protection mode command - Downlink integrity protection activation info - Integrity protection algorithm - Integrity protection initialisation number		 Start Not Present UIA1 SS selects an arbitrary 32 bits number for FRESH. The first/ leftmost bit of the bit string contains the most significant bit of the FRESH.A1
CN domain identity		CS or PS
UE system specific security capability	A1	Not Present
UE system specific security capability - Inter-RAT UE security capability - CHOICE *system* - GSM security capability	A2	 GSM The indicated algorithms must be the same as the algorithms supported by the UE as indicated in the IE " UE system specific capability " in the RRC CONNECTION SETUP COMPLETE message.

Condition	Explanation
A1	UE not supporting GSM
A2	UE supporting GSM

9.2.2 Default Message Contents for RF (TDD)

Contents of Activate RB Test Mode message

Information Element	Value/remark
Protocol discriminator	F (Length 1/2)
Skip indicator	0 (Length 1/2)
Message Type	44h

Contents of Close UE Test Loop message

Information Element	Value/remark
Protocol discriminator	F (Length 1/2)
Skip indicator	0 (Length 1/2)
Message Type	40h

UE test loop mode	00h
UE test loop mode 1 LB setup	03h 00h F4h 0Ah

Contents of Open UE Test Loop message

Information Element	Value/remark
Protocol discriminator	F (Length 1/2)
Skip indicator	0 (Length 1/2)
Message Type	42h

Contents of PAGING TYPE 1 message: TM (CS)

Information Element	Value/remark
Message Type	
Paging record list	
-Paging record	
- CHOICE Used paging identity	CN identity
- Paging cause	Terminating Streaming Call
- CN domain identity	CS domain
- CHOICE UE identity	
- IMSI (GSM-MAP)	Set to the same octet string as in the IMSI stored in the USIM card
BCCH modification info	Not Present

Contents of PAGING TYPE 1 message: TM (PS)

Information Element	Value/remark
Message Type	
Paging record list	
-Paging record	
- CHOICE Used paging identity	CN identity
- Paging cause	Terminating Interactive Call
- CN domain identity	PS domain
- CHOICE UE identity	
- IMSI (GSM-MAP)	Set to the same octet string as in the IMSI stored in the USIM card
BCCH modification info	Not Present

Contents of RADIO BEARER SETUP message: AM or UM (3.84 Mcps TDD)

Information Element	Condition	Value/remark	Version	Index
Message Type	A1,A3			RBS3-001
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3		RBS3-002
Integrity check info				RBS3-003
- message authentication code		SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.		RBS3-004
- RRC message sequence number		SS provides the value of this IE, from its internal counter.		RBS3-005
Integrity protection mode info		Not Present		RBS3-006
Ciphering mode info		Not Present		RBS3-007
Activation time		(256+CFN-(CFN MOD 8 + 8)) MOD 256		RBS3-008
New U-RNTI		Not Present		RBS3-009
New C-RNTI		Not Present		RBS3-010
New DSCH-RNTI		Not Present	R99 and Rel-4 only	RBS3-011
New H-RNTI		Not Present	Rel-5	RBS3-012
RRC State indicator		CELL_DCH		RBS3-013
UTRAN DRX cycle length coefficient		Not Present		RBS3-014
CN information info		Not Present		RBS3-015
URA identity		Not Present		RBS3-016
- Signalling RB information to setup		Not Present		RBS3-017
- RAB information for setup list	A1			RBS3-018

Information Element	Condition	Value/remark	Version	Index
- RAB information for setup				RBS3-019
- RAB info				RBS3-020
- RAB identity		0000 0001B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.		RBS3-021
- CN domain identity		CS domain		RBS3-022
- NAS Synchronization Indicator		Not Present		RBS3-023
- Re-establishment timer		UseT314		RBS3-024
- RB information to setup list				RBS3-025
- RB information to setup				RBS3-026
- RB identity		10		RBS3-027
- PDCP info		Not Present		RBS3-028
- CHOICE RLC info type		RLC info		RBS3-029
- CHOICE Uplink RLC mode		TM RLC		RBS3-030
- Transmission RLC discard		Not Present		RBS3-031
- Segmentation indication		FALSE		RBS3-032
- CHOICE Downlink RLC mode		TM RLC		RBS3-033
- Segmentation indication		FALSE		RBS3-034
- RB mapping info				RBS3-035
- Information for each multiplexing option				RBS3-036
- RLC logical channel mapping indicator		Not Present		RBS3-037
- Number of uplink RLC logical channels		1		RBS3-038
- Uplink transport channel type		DCH		RBS3-039
- UL Transport channel identity		1		RBS3-040
- Logical channel identity		Not Present		RBS3-041
- CHOICE RLC size list		Configured		RBS3-042
- MAC logical channel priority		7		RBS3-043
- Downlink RLC logical channel info				RBS3-044
- Number of downlink RLC logical channels		1		RBS3-045
- Downlink transport channel type		DCH		RBS3-046
- DL DCH Transport channel identity		6		RBS3-047
- DL DSCH Transport channel identity		Not Present		RBS3-048
- Logical channel identity		Not Present		RBS3-049
RAB information for setup list	A3			RBS3-050
- RAB information for setup				RBS3-051
- RAB info				RBS3-052
- RAB identity		0000 0101B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.		RBS3-053
- CN domain identity		PS domain		RBS3-054
- NAS Synchronization Indicator		Not Present		RBS3-055
- Re-establishment timer		UseT314		RBS3-056
- RB information to setup list				RBS3-057
- RB information to setup				RBS3-058
- RB identity		20		RBS3-059
- PDCP info		Not Present		RBS3-060
- CHOICE RLC info type		RLC info		RBS3-061
- CHOICE Uplink RLC mode		AM RLC		RBS3-062
- Transmission RLC discard				RBS3-063
- CHOICE SDU discard mode		No discard		RBS3-064
- MAX_DAT		15		RBS3-065
- Transmission window size		128		RBS3-066
- Timer_RST		500		RBS3-067
- Max_RST		4		RBS3-068
- Polling info				RBS3-069
- Timer_poll_prohibit		200		RBS3-070
- Timer_poll		200		RBS3-071
- Poll_SDU		1		RBS3-072
- Last transmission PDU poll		TRUE		RBS3-073
- Last retransmission PDU poll		TRUE		RBS3-074

Information Element	Condition	Value/remark	Version	Index
- Poll_Windows		99		RBS3-075
- Timer_poll_periodic		Not Present		RBS3-076
- CHOICE Downlink RLC mode		AM RLC		RBS3-077
- In-sequence delivery		TRUE		RBS3-078
- Receiving window size		128		RBS3-079
- Downlink RLC status info				RBS3-080
- Timer_status_prohibit		200		RBS3-081
- Timer_EPC		200		RBS3-082
- Missing PDU indicator		TRUE		RBS3-083
- Timer_STATUS_periodic		Not Present		RBS3-084
- RB mapping info				RBS3-085
- Information for each multiplexing option		2RBMuxOptions		RBS3-086
- RLC logical channel mapping indicator		Not Present		RBS3-087
- Number of uplink RLC logical channels		1		RBS3-088
- Uplink transport channel type		DCH		RBS3-089
- UL Transport channel identity		1		RBS3-090
- Logical channel identity		Not Present		RBS3-091
- CHOICE RLC size list		Configured		RBS3-092
- MAC logical channel priority		8		RBS3-093
- Downlink RLC logical channel info				RBS3-094
- Number of downlink RLC logical channels		1		RBS3-095
- Downlink transport channel type		DCH		RBS3-096
- DL DCH Transport channel identity		6		RBS3-097
- DL DSCH Transport channel identity		Not Present		RBS3-098
- Logical channel identity		Not Present		RBS3-099
- RLC logical channel mapping indicator		Not Present		RBS3-100
- Number of uplink RLC logical channels		1		RBS3-101
- Uplink transport channel type		RACH		RBS3-102
- UL Transport channel identity		Not Present		RBS3-103
- Logical channel identity		7		RBS3-104
- CHOICE RLC size list		Explicit List		RBS3-105
- RLC size index		Reference to clause 6 Parameter Set		RBS3-106
- MAC logical channel priority		8		RBS3-107
- Downlink RLC logical channel info				RBS3-108
- Number of downlink RLC logical channels		1		RBS3-109
- Downlink transport channel type		FACH		RBS3-110
- DL DCH Transport channel identity		Not Present		RBS3-111
- DL DSCH Transport channel identity		Not Present		RBS3-112
- Logical channel identity		Not Present		RBS3-113
RB information to be affected list	A1, A3	Not Present		RBS3-114
Downlink counter synchronization info		Not Present		RBS3-115
UL Transport channel information for all transport channels	A1, A3			RBS3-116
- PRACH TFCS		Not Present		RBS3-117
- CHOICE mode		TDD		RBS3-118
-Individual UL CCTrCH information				RBS3-119
- TFCS ID		(This IE is repeated for TFC number.)		RBS3-120
- Allowed Transport Format combination		0 to MaxTFCvalue-1 (MaxTFCValue is refer to clause 6 Parameter Set.)		RBS3-121
- PRACH TFCS		(This IE is repeated for TFC number.)		RBS3-122
- CHOICE TFCI signalling		Normal		RBS3-123
- TFCI Field 1 information				RBS3-124
- TFCS complete				RBS3-125

Information Element	Condition	Value/remark	Version	Index
reconfigure information				
- CHOICE TFCS Size		Number of used bits must be enough to cover all combinations of CTFC from clauses 6. Refer to clause 6 Parameter Set		RBS3-126
- CTFC information		Not Present		RBS3-127
- CHOICE mode		TDD		RBS3-128
- Individual UL CCTrCH information		Not Present		RBS3-129
Deleted UL TrCH information list		Not Present		RBS3-130
Added or Reconfigured UL TrCH information list	A1	1		RBS3-131
- Added or Reconfigured UL TrCH information				RBS3-132
- Uplink transport channel type		DCH		RBS3-133
- UL Transport channel identity		1		RBS3-134
- TFS				RBS3-135
- CHOICE Transport channel type		Dedicated transport channels		RBS3-136
- Dynamic Transport Format Information				RBS3-137
- RLC size		Reference to clause 6.10 Parameter Set		RBS3-138
- Number of TBs and TTI List		(This IE is repeated for TFI number.)		RBS3-139
- Transmission Time Interval		Not Present		RBS3-140
- Number of Transport blocks		Reference to clause 6.10 Parameter Set		RBS3-141
- Transmission Time Interval		Not Present		RBS3-142
- Number of Transport blocks		1		RBS3-143
- CHOICE Logical channel List		ALL		RBS3-144
- Semi-static Transport Format Information				RBS3-145
- Transmission time interval		Reference to clause 6.10 Parameter Set		RBS3-146
- Type of channel coding		Reference to clause 6.10 Parameter Set		RBS3-147
- Coding Rate		Reference to clause 6.10 Parameter Set		RBS3-148
- Rate matching attribute		Reference to clause 6.10 Parameter Set		RBS3-149
- CRC size		Reference to clause 6.10 Parameter Set		RBS3-150
CHOICE mode	A1, A3	TDD (no data)		RBS3-151
DL Transport channel information common for all transport channel	A1,A3			RBS3-152
- SCCPCH TFCS		Not Present		RBS3-153
- CHOICE mode		TDD		RBS3-154
- CHOICE DL parameters		Independent (Refer to clause 6)		RBS3-155
Deleted DL TrCH information list	A1,A3	Not Present		RBS3-156
Added or Reconfigured DL TrCH information list		1		RBS3-157
- Added or Reconfigured DL TrCH information				RBS3-158
- Downlink transport channel type		DCH		RBS3-159
- DL Transport channel identity		6		RBS3-160
- CHOICE DL parameters		Same as UL		RBS3-161
- Uplink transport channel type		DCH		RBS3-162
- UL TrCH identity		1		RBS3-163
- DCH quality target				RBS3-164
- BLER Quality value		Reference to clause 6		RBS3-165
Frequency info	A1,A3	Not Present		RBS3-166
Maximum allowed UL TX power		30dBm		RBS3-167
CHOICE channel requirement		Uplink DPCH info		RBS3-168
- Uplink DPCH power control info				RBS3-169
- CHOICE mode		TDD		RBS3-170
- UL Target SIR		Reference to clause 6 Parameter set.		RBS3-171
- CHOICE UL OL PC info		Individually signalled		RBS3-172
- CHOICE TDD option		3.84 Mcps		RBS3-173
- Individual timeslot interference info				RBS3-174
- Individual timeslot interference				RBS3-175
- DPCH Constant Value		Values are used for open loop power control, clause 8 in 3GPP TS 25.331 [34]		RBS3-176
- CHOICE mode		TDD		RBS3-177
- Uplink Timing Advance Control		Not Present		RBS3-178

Information Element	Condition	Value/remark	Version	Index
- UL CCTrCH List				RBS3-179
- TFCS Id		1		RBS3-180
- Time info				RBS3-181
- Activation time		(256+CFN-(CFN MOD 8 + 8)) MOD 256		RBS3-182
- Duration		Infinite		RBS3-183
- Common timeslot info				RBS3-184
- 2nd interleaving mode		Reference to clause 6.10 Parameter Set		RBS3-185
- TFCI coding		Reference to clause 6.10 Parameter Set		RBS3-186
- Puncturing Limit		Reference to clause 6.10 Parameter Set		RBS3-187
- Repetition Period		Reference to clause 6.10 Parameter Set		RBS3-188
- Repetition Length		Reference to clause 6.10 Parameter Set		RBS3-189
- First individual timeslot info				RBS3-190
- Timeslot number		The number of an uplink timeslot that has unassigned codes.		RBS3-191
- TFCI existence		TRUE		RBS3-192
- Midamble shift and burst type				RBS3-193
- CHOICE TDD option		3.84 Mcps		RBS3-194
-CHOICE Burst Type				RBS3-195
-Type 1				RBS3-196
-Midamble Allocation Mode		Default		RBS3-197
- Midamble configuration burst type 1 and 3		As defined in 3GPP TS 25.221 [28]		RBS3-198
- First timeslot channelisation codes		Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of clause 6 Parameter Set.		RBS3-199
- Channelisation code		(i/SF) where i denotes an unassigned code matching the SF specified in clause 6 Parameter Set.		RBS3-200
- CHOICE more timeslots		The presence of this IE depends upon the number of resources specified in clause 6 and the number of slots in which they are being assigned.		RBS3-201
CHOICE Mode		TDD (no data)		RBS3-202
Downlink HS-PDSCH Information	A1,A3	Not Present	Rel-5	RBS3-203
Downlink information common for all radio links	A1,A3			RBS3-204
- Downlink DPCH info common for all RL				RBS3-205
- Timing indicator		Maintain		RBS3-206
- CFN-targetSFN frame offset		Not Present		RBS3-207
- Downlink DPCH power control information				RBS3-208
- CHOICE mode		TDD		RBS3-209
- DPC mode		0 (single)		RBS3-210
- CHOICE TDD mode		3.84 Mcps (no data)		RBS3-211
- Default DPCH Offset Value		Not Present		RBS3-212
Downlink information for per radio link list	A1,A3			RBS3-213
- Downlink information for each radio link				RBS3-214
- CHOICE mode		TDD		RBS3-215
- Primary CCPCH info				RBS3-216
- CHOICE *SyncCase*		Sync Case 1		RBS3-217
- Timeslot		PCCPCH timeslot		RBS3-218
- Cell parameters ID		0		RBS3-219
- SCTD indicator				RBS3-220
- Downlink DPCH info for each RL				RBS3-221
- CHOICE mode		TDD		RBS3-222
- DL CCTrCH List				RBS3-223
- TFCS ID		1		RBS3-224
- Time info				RBS3-225
- Activation time		(256+CFN-(CFN mod 8 + 8))mod 256		RBS3-226
- Duration		infinite		RBS3-227
- Common timeslot info				RBS3-228
- 2nd interleaving mode		Reference to the present document		RBS3-229
- TFCI coding		TRUE		RBS3-230
- Puncturing limit		Reference to clause 6 Parameter set		RBS3-231
- Repetition period		1		RBS3-232

Information Element	Condition	Value/remark	Version	Index
- Repetition length		Empty		RBS3-233
- Downlink DPCH timeslots and codes				RBS3-234
- Individual timeslot info				RBS3-235
- Timeslot number		The number of a downlink timeslot that has unassigned codes.		RBS3-236
- TFCI existence		TRUE		RBS3-237
- Midamble shift and burst type				RBS3-238
- CHOICE TDD option		3.84 Mcps		RBS3-239
-CHOICE Burst Type				RBS3-240
-Type 1				RBS3-241
-Midamble Allocation Mode		Default		RBS3-242
- Midamble configuration burst type 1 and 3		As defined in 3GPP TS 25.221 [28]		RBS3-243
- First timeslot channelisation codes				RBS3-244
- First channelisation code		(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in clause 6 Parameter Set..		RBS3-245
- Last channelisation code		(j/SF) where j is the highest numbered code that is being assigned in the slot.		RBS3-246
- Bitmap		Bitmap of the codes that are being assigned in the slot.		RBS3-247
- CHOICE more timeslots		The presence of this IE depends upon whether the requirements of clause 6 Parameter Set could be met by the codes that have been assigned in the first timeslot.		RBS3-248
- UL CCTrCH TPC List		Not Present		RBS3-249
-SCCPCH information for FACH		Not Present	R99 and Rel-4 only	RBS3-250

Condition	Explanation
A1	This IE is needed for transparent mode. In the case of TX and RX test cases, this IE is selected.
A3	This IE is needed for acknowledged mode.
NOTE:	In the case of Performance Requirement and RRM test cases, A1 or A3 is selected according to the combination of UL and DL channels or test requirements.

Contents of RADIO BEARER SETUP message: AM or UM (1.28 Mcps TDD)

Information Element	Condition	Value/remark	Version	Index
Message Type	A1,A3			RBS1-001
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3		RBS1-002
Integrity check info				RBS1-003
- message authentication code		SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.		RBS1-004
- RRC message sequence number		SS provides the value of this IE, from its internal counter.		RBS1-005
Integrity protection mode info		Not Present		RBS1-006
Ciphering mode info		Not Present		RBS1-007
Activation time		(256+CFN-(CFN MOD 8 + 8)) MOD 256		RBS1-008
New U-RNTI		Not Present		RBS1-009
New C-RNTI		Not Present		RBS1-010
New DSCH-RNTI		Not Present	R99 and Rel-4 only	RBS1-011
New H-RNTI		Not Present	Rel-5	RBS1-012
New Primary E-RNTI		Not Present	Rel-6	RBS1-013
RRC State indicator		CELL_DCH		RBS1-014
UTRAN DRX cycle length coefficient		Not Present		RBS1-015
CN information info		Not Present		RBS1-016
URA identity		Not Present		RBS1-017
CHOICE specification mode		Complete specification		RBS1-018

Information Element	Condition	Value/remark	Version	Index
- Signalling RB information to setup		Not Present		RBS1-019
- RAB information for setup list	A1			RBS1-020
- RAB information for setup				RBS1-021
- RAB info				RBS1-022
- RAB identity		0000 0001B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.		RBS1-023
- CN domain identity		CS domain		RBS1-024
- NAS Synchronization Indicator		Not Present		RBS1-025
- Re-establishment timer		UseT314		RBS1-026
- RB information to setup list				RBS1-027
- RB information to setup				RBS1-028
- RB identity		10		RBS1-029
- PDCP info		Not Present		RBS1-030
- CHOICE RLC info type		RLC info		RBS1-031
- CHOICE Uplink RLC mode		TM RLC		RBS1-032
- Transmission RLC discard		Not Present		RBS1-033
- Segmentation indication		FALSE		RBS1-034
- CHOICE Downlink RLC mode		TM RLC		RBS1-035
- Segmentation indication		FALSE		RBS1-036
- One sided RLC re-establishment		FALSE	Rel-5	RBS1-037
- RB mapping info				RBS1-038
- Information for each multiplexing option				RBS1-039
- RLC logical channel mapping indicator		Not Present		RBS1-040
- Number of uplink RLC logical channels		1		RBS1-041
- Uplink transport channel type		DCH		RBS1-042
- UL Transport channel identity		1		RBS1-043
- Logical channel identity		Not Present		RBS1-044
- CHOICE RLC size list		Configured		RBS1-045
- MAC logical channel priority		7		RBS1-046
- Downlink RLC logical channel info				RBS1-047
- Number of downlink RLC logical channels		1		RBS1-048
- Downlink transport channel type		DCH		RBS1-049
- DL DCH Transport channel identity		6		RBS1-050
- DL DSCH Transport channel identity		Not Present		RBS1-051
- Logical channel identity		Not Present		RBS1-052
RAB information for setup list	A3			RBS1-053
- RAB information for setup				RBS1-054
- RAB info				RBS1-055
- RAB identity		0000 0101B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.		RBS1-056
- CN domain identity		PS domain		RBS1-057
- NAS Synchronization Indicator		Not Present		RBS1-058
- Re-establishment timer		UseT315		RBS1-059
- RB information to setup list				RBS1-060
- RB information to setup				RBS1-061
- RB identity		20		RBS1-062
- PDCP info		Not Present		RBS1-063
- CHOICE RLC info type		RLC info		RBS1-064
- CHOICE Uplink RLC mode		AM RLC		RBS1-065
- Transmission RLC discard				RBS1-066
- CHOICE SDU discard mode		No discard		RBS1-067
- MAX_DAT		15		RBS1-068
- Transmission window size		128		RBS1-069
- Timer_RST		500		RBS1-070
- Max_RST		4		RBS1-071
- Polling info				RBS1-072
- Timer_poll_prohibit		200		RBS1-073
- Timer_poll		200		RBS1-074
- Poll_PDU		Not Present		RBS1-075

Information Element	Condition	Value/remark	Version	Index
- Poll_SDU		1		RBS1-076
- Last transmission PDU poll		TRUE		RBS1-077
- Last retransmission PDU poll		TRUE		RBS1-078
- Poll_Windows		99		RBS1-079
- Timer_poll_periodic		Not Present		RBS1-080
- CHOICE Downlink RLC mode		AM RLC		RBS1-081
- DL RLC PDU size		Reference to clause 6 Parameter Set	Rel-5	RBS1-082
- In-sequence delivery		TRUE		RBS1-083
- Receiving window size		128		RBS1-084
- Downlink RLC status info				RBS1-085
- Timer_status_prohibit		200		RBS1-086
- Timer_EPC		200	R99 and Rel-4 only	RBS1-087
- Missing PDU indicator		TRUE		RBS1-088
- Timer_STATUS_periodic		Not Present		RBS1-089
- One sided RLC re-establishment		FALSE	Rel-5	RBS1-090
- RB mapping info				RBS1-091
- Information for each multiplexing option		2RBMuxOptions		RBS1-092
- RLC logical channel mapping indicator		Not Present		RBS1-093
- Number of uplink RLC logical channels		1		RBS1-094
- Uplink transport channel type		DCH		RBS1-095
- UL Transport channel identity		1		RBS1-096
- Logical channel identity		Not Present		RBS1-097
- CHOICE RLC size list		Configured		RBS1-098
- MAC logical channel priority		8		RBS1-099
- Downlink RLC logical channel info				RBS1-100
- Number of downlink RLC logical channels		1		RBS1-101
- Downlink transport channel type		DCH		RBS1-102
- DL DCH Transport channel identity		6		RBS1-103
- DL DSCH Transport channel identity		Not Present		RBS1-104
- Logical channel identity		Not Present		RBS1-105
- RLC logical channel mapping indicator		Not Present		RBS1-106
- Number of uplink RLC logical channels		1		RBS1-107
- Uplink transport channel type		RACH		RBS1-108
- UL Transport channel identity		Not Present		RBS1-109
- Logical channel identity		7		RBS1-110
- CHOICE RLC size list		Explicit List		RBS1-111
- RLC size index		Reference to clause 6 Parameter Set		RBS1-112
- MAC logical channel priority		8		RBS1-113
- Downlink RLC logical channel info				RBS1-114
- Number of downlink RLC logical channels		1		RBS1-115
- Downlink transport channel type		FACH		RBS1-116
- DL DCH Transport channel identity		Not Present		RBS1-117
- DL DSCH Transport channel identity		Not Present		RBS1-118
- Logical channel identity		7		RBS1-119
RAB information to reconfigure list		Not Present	Rel-6	RBS1-120
RB information to reconfigure list		Not Present	Rel-6	RBS1-121
RB information to be affected list	A1,A3	Not Present		RBS1-122
Downlink counter synchronization info		Not Present		RBS1-123
PDCP ROHC target mode		Not Present	Rel-5	RBS1-124
UL Transport channel information for all transport channels	A1,A3			RBS1-125
- PRACH TFCS		Not Present		RBS1-126
- CHOICE mode		TDD		RBS1-127
-Individual UL CCTrCH information				RBS1-128

Information Element	Condition	Value/remark	Version	Index
- UL TFCS Identity				RBS1-129
- TFCS ID		1		RBS1-130
- Shared Channel Indicator		FALSE		RBS1-131
- CHOICE TFCI signalling		Normal		RBS1-134
- TFCI Field 1 information				RBS1-135
- CHOICE TFCS representation		Complete reconfiguration		RBS1-136
- TFCS complete reconfigure information				RBS1-137
- CHOICE TFCS Size		Number of used bits must be enough to cover all combinations of CTFC from clauses 6.		RBS1-138
- CTFC information		Refer to clause 6 Parameter Set		RBS1-139
- CHOICE Subset representation		Full (no data)		RBS1-142
- TFC subset list		Not Present		RBS1-143
Deleted UL TrCH information list	A1,A3	Not Present		RBS1-144
Added or Reconfigured UL TrCH information list	A1,A3	1		RBS1-145
- Added or Reconfigured UL TrCH information				RBS1-146
- Uplink transport channel type		DCH		RBS1-147
- UL Transport channel identity		1		RBS1-148
- TFS				RBS1-149
- CHOICE Transport channel type		Dedicated transport channels		RBS1-150
- Dynamic Transport Format Information				RBS1-151
- RLC size		Reference to clause 6 Parameter Set		RBS1-152
- Number of TBs and TTI List		(This IE is repeated for TFI number.)		RBS1-153
- Transmission Time Interval		Not Present		RBS1-154
- Number of Transport blocks		Reference to clause 6 Parameter Set		RBS1-155
- Transmission Time Interval		Not Present		RBS1-156
- Number of Transport blocks		1		RBS1-157
- CHOICE Logical channel List		ALL		RBS1-158
- Semi-static Transport Format Information				RBS1-159
- Transmission time interval		Reference to clause 6 Parameter Set		RBS1-160
- Type of channel coding		Reference to clause 6 Parameter Set		RBS1-161
- Coding Rate		Reference to clause 6 Parameter Set		RBS1-162
- Rate matching attribute		Reference to clause 6 Parameter Set		RBS1-163
- CRC size		Reference to clause 6 Parameter Set		RBS1-164
DL Transport channel information common for all transport channel	A1,A3			RBS1-166
- SCCPCH TFCS		Not Present		RBS1-167
- CHOICE mode		TDD		RBS1-168
- Individual DL CCTrCH information				RBS1-169
- DL TFCS Identity				RBS1-170
- TFCS ID		1		RBS1-171
- Shared Channel Indicator		FALSE		RBS1-172
- CHOICE DL parameters		Same as UL		RBS1-173
- UL DCH TFCS Identity				RBS1-174
- TFCS ID		1		RBS1-175
- Shared Channel Indicator		FALSE		RBS1-176
Deleted DL TrCH information list	A1,A3	Not Present		RBS1-177
Added or Reconfigured DL TrCH information list	A1,A3	1		RBS1-178
- Added or Reconfigured DL TrCH information				RBS1-179
- Downlink transport channel type		DCH		RBS1-180
- DL Transport channel identity		6		RBS1-181
- CHOICE DL parameters		Same as UL		RBS1-182
- Uplink transport channel type		DCH		RBS1-183
- UL TrCH identity		1		RBS1-184
- DCH quality target				RBS1-185
- BLER Quality value		Reference to clause 6		RBS1-186
Frequency info	A1,A3	Not Present		RBS1-187
Multi-frequency Info		Not Present	Rel-7	RBS1-188
DTX-DRX timing information		Not Present	Rel-7	RBS1-189
DTX-DRX Information		Not Present	Rel-7	RBS1-190
HS-SCCH less Information		Not Present	Rel-7	RBS1-191

Information Element	Condition	Value/remark	Version	Index
MIMO parameters		Not Present	Rel-7	RBS1-192
Control Channel DRX information		Not Present	Rel-8	RBS1-193
SPS Information		Not Present	Rel-8	RBS1-194
Maximum allowed UL TX power		30dBm		RBS1-195
CHOICE channel requirement	A1,A3	Uplink DPCH info	Rel-5 and earlier	RBS1-196
Uplink DPCH info			Rel-6	RBS1-197
- Uplink DPCH power control info				RBS1-198
- CHOICE mode		TDD		RBS1-199
- $PRX_{PDPCHdes}$		Reference to clause 6 Parameter set.		RBS1-200
- CHOICE UL OL PC info		Individually signalled		RBS1-201
- CHOICE TDD option		1.28 Mcps	Rel-4	RBS1-202
- TPC step size		0 (1 dB)		RBS1-203
- Primary CCPCH Tx Power		30 dBm		RBS1-204
- CHOICE mode		TDD		RBS1-205
- Uplink Timing Advance Control		Not Present		RBS1-206
- UL CCTrCH List				RBS1-207
- TFCS Id		1		RBS1-208
- $PRX_{PDPCHdes}$		Reference to clause 6 Parameter set.		RBS1-209
- Time info				RBS1-210
- Activation time		(256+CFN-(CFN MOD 8 + 8)) MOD 256		RBS1-211
- Duration		Infinite		RBS1-212
- Common timeslot info				RBS1-213
- 2nd interleaving mode		Reference to clause 6 Parameter Set		RBS1-214
- TFCI coding		Reference to clause 6 Parameter Set		RBS1-215
- Puncturing Limit		Reference to clause 6 Parameter Set		RBS1-216
- Repetition Period		Reference to clause 6 Parameter Set		RBS1-217
- Repetition Length		Reference to clause 6 Parameter Set		RBS1-218
- CHOICE TDD option		1.28 Mcps	Rel-4	RBS1-219
- Dynamic SF usage				RBS1-220
- First individual timeslot info				RBS1-221
- Timeslot number		The number of an uplink timeslot that has unassigned codes.		RBS1-222
- TFCI existence		TRUE		RBS1-223
- Midamble shift and burst type				RBS1-224
- CHOICE TDD option		1.28 Mcps	Rel-4	RBS1-225
- Midamble allocation mode		Default		RBS1-226
- Midamble configuration		8 (k=16)		RBS1-227
- CHOICE TDD option		1.28 Mcps	Rel-4	RBS1-228
- Modulation		QPSK		RBS1-229
- SS-TPC Symbols		1		RBS1-230
- CHOICE Mode		TDD		RBS1-231
- First timeslot channelisation codes		Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of clause 6 Parameter Set.		RBS1-232
- Channelisation code		(i/SF) where i denotes an unassigned code matching the SF specified in clause 6 Parameter Set.		RBS1-233
- CHOICE more timeslots		The presence of this IE depends upon the number of resources specified in clause 6 and the number of slots in which they are being assigned.		RBS1-234
- UL CCTrCH List to Remove		Not Present		RBS1-236
E-DCH Info		Not Present	Rel-6	RBS1-237
Downlink HS-PDSCH Information	A1,A3	Not Present	Rel-5	RBS1-238
Downlink information common for all radio links	A1,A3			RBS1-239
- Downlink DPCH info common for all RL				RBS1-240
- Timing indicator		Maintain		RBS1-241
- CFN-targetSFN frame offset		Not Present		RBS1-242
- Downlink DPCH power control information				RBS1-243
- CHOICE mode		TDD		RBS1-244
- TPC step size		1 dB		RBS1-245
- CHOICE TDD mode		1.28 Mcps	Rel-4	RBS1-246
- TSTD indicator		FALSE		RBS1-247

Information Element	Condition	Value/remark	Version	Index
- Default DPCH Offset Value		Not Present		RBS1-248
- MAC-hs reset indicator		Not Present	Rel-5	RBS1-249
- Post-verification period		Not Present	Rel-6	RBS1-250
Downlink information for per radio link list	A1,A3			RBS1-251
- Downlink information for each radio link				RBS1-252
- CHOICE mode		TDD		RBS1-253
- Primary CCPCH info				RBS1-254
- CHOICE TDD option		1.28 Mcps	Rel-4	RBS1-255
- TSTD indicator		FALSE		RBS1-256
- Cell parameters ID		0		RBS1-257
- SCTD indicator		FALSE		RBS1-258
- Cell ID		Not Present	Rel-4	RBS1-259
- CHOICE DPCH info		Downlink DPCH info for each RL	Rel-6	RBS1-260
- Downlink DPCH info for each RL				RBS1-261
- CHOICE mode		TDD		RBS1-262
- DL CCTrCH List				RBS1-263
- TFCS ID		1		RBS1-264
- Time info				RBS1-265
- Activation time		(256+CFN-(CFN mod 8 + 8))mod 256		RBS1-266
- Duration		Infinite		RBS1-267
- Common timeslot info				RBS1-268
- 2nd interleaving mode		Reference to the present document		RBS1-269
- TFCI coding		Reference to clause 6 Parameter set		RBS1-270
- Puncturing limit		Reference to clause 6 Parameter set		RBS1-271
- Repetition period		1		RBS1-272
- Repetition length		Empty		RBS1-273
- Downlink DPCH timeslots and codes				RBS1-274
- Individual timeslot info				RBS1-275
- Timeslot number		The number of a downlink timeslot that has unassigned codes.		RBS1-276
- TFCI existence		TRUE		RBS1-277
- Midamble shift and burst type				RBS1-278
- CHOICE TDD option		1.28 Mcps	Rel-4	RBS1-279
-Midamble Allocation Mode		Default		RBS1-280
- Midamble configuration		8 (k=16)		RBS1-281
- Modulation		QPSK		RBS1-282
- SS-TPC Symbols		1		RBS1-283
- First timeslot channelisation codes				RBS1-284
- First channelisation code		(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in clause 6 Parameter Set.		RBS1-285
- Last channelisation code		(j/SF) where j is the highest numbered code that is being assigned in the slot.		RBS1-286
- Bitmap		Bitmap of the codes that are being assigned in the slot.		RBS1-287
- CHOICE more timeslots		The presence of this IE depends upon whether the requirements of clause 6 Parameter Set could be met by the codes that have been assigned in the first timeslot.		RBS1-288
- UL CCTrCH TPC List		Not Present		RBS1-289
-SCCPCH information for FACH		Not Present	R99 and Rel-4 only	RBS1-290
- E-AGCH Info		Not Present	Rel-6	RBS1-291
- CHOICE mode		TDD	Rel-7	RBS1-292
- CHOICE TDD option		1.28 Mcps		RBS1-293
- E-HICH Information		Not Present		RBS1-294
Downlink secondary cell info FDD		Not Present	Rel-8	RBS1-295
MBMS PL Service Restriction Information		Not Present	Rel-6	RBS1-296

Condition	Explanation
A1	This IE is needed for CS RAB

A3	This IE is needed for PS RAB.

Contents of RADIO BEARER SETUP message: AM or UM (7.68 Mcps TDD)

Information Element	Condition	Value/remark	Version	Index
Message Type	A1, A3			RBS3-001
RRC transaction identifier		Arbitrarily selects an integer between 0 and 3		RBS3-002
Integrity check info				RBS3-003
- message authentication code		SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.		RBS3-004
- RRC message sequence number		SS provides the value of this IE, from its internal counter.		RBS3-005
Integrity protection mode info		Not Present		RBS3-006
Ciphering mode info		Not Present		RBS3-007
Activation time		(256+CFN-(CFN MOD 8 + 8)) MOD 256		RBS3-008
New U-RNTI		Not Present		RBS3-009
New C-RNTI		Not Present		RBS3-010
New DSCH-RNTI		Not Present	R99 and Rel-4 only	RBS3-011
New H-RNTI		Not Present	Rel-5	RBS3-012
CHOICE mode		TDD	Rel-7	RBS3-013
- New E-RNTI		Not Present	Rel-7	RBS3-014
RRC State indicator		CELL_DCH		RBS3-015
UTRAN DRX cycle length coefficient		Not Present		RBS3-016
CN information info		Not Present		RBS3-017
URA identity		Not Present		RBS3-018
- Signalling RB information to setup		Not Present		RBS3-019
- RAB information for setup list	A1			RBS3-020
- RAB information for setup				RBS3-021
- RAB info				RBS3-022
- RAB identity		0000 0001B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.		RBS3-023
- CN domain identity		CS domain		RBS3-024
- NAS Synchronization Indicator		Not Present		RBS3-025
- Re-establishment timer		UseT314		RBS3-026
- RB information to setup list				RBS3-027
- RB information to setup				RBS3-028
- RB identity		10		RBS3-029
- PDCP info		Not Present		RBS3-030
- CHOICE RLC info type		RLC info		RBS3-031
- CHOICE Uplink RLC mode		TM RLC		RBS3-032
- Transmission RLC discard		Not Present		RBS3-033
- Segmentation indication		FALSE		RBS3-034
- CHOICE Downlink RLC mode		TM RLC		RBS3-035
- Segmentation indication		FALSE		RBS3-036
- RB mapping info				RBS3-037
- Information for each multiplexing option				RBS3-038
- RLC logical channel mapping indicator		Not Present		RBS3-039
- Number of uplink RLC logical channels		1		RBS3-040
- Uplink transport channel type		DCH		RBS3-041
- UL Transport channel identity		1		RBS3-042
- Logical channel identity		Not Present		RBS3-043
- CHOICE RLC size list		Configured		RBS3-044
- MAC logical channel priority		7		RBS3-045
- Downlink RLC logical channel info				RBS3-046
- Number of downlink RLC logical channels		1		RBS3-047
- Downlink transport channel type		DCH		RBS3-048
- DL DCH Transport channel identity		6		RBS3-049

Information Element	Condition	Value/remark	Version	Index
- DL DSCH Transport channel identity		Not Present		RBS3-050
- Logical channel identity		Not Present		RBS3-051
RAB information for setup list	A3			RBS3-052
- RAB information for setup				RBS3-053
- RAB info				RBS3-054
- RAB identity		0000 0101B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.		RBS3-055
- CN domain identity		PS domain		RBS3-056
- NAS Synchronization Indicator		Not Present		RBS3-057
- Re-establishment timer		UseT314		RBS3-058
- RB information to setup list				RBS3-059
- RB information to setup				RBS3-060
- RB identity		20		RBS3-061
- PDCP info		Not Present		RBS3-062
- CHOICE RLC info type		RLC info		RBS3-063
- CHOICE Uplink RLC mode		AM RLC		RBS3-064
- Transmission RLC discard				RBS3-065
- CHOICE SDU discard mode		No discard		RBS3-066
- MAX_DAT		15		RBS3-067
- Transmission window size		128		RBS3-068
- Timer_RST		500		RBS3-069
- Max_RST		4		RBS3-070
- Polling info				RBS3-071
- Timer_poll_prohibit		200		RBS3-072
- Timer_poll		200		RBS3-073
- Poll_SDU		1		RBS3-074
- Last transmission PDU poll		TRUE		RBS3-075
- Last retransmission PDU poll		TRUE		RBS3-076
- Poll_Windows		99		RBS3-077
- Timer_poll_periodic		Not Present		RBS3-078
- CHOICE Downlink RLC mode		AM RLC		RBS3-079
- In-sequence delivery		TRUE		RBS3-080
- Receiving window size		128		RBS3-081
- Downlink RLC status info				RBS3-082
- Timer_status_prohibit		200		RBS3-083
- Timer_EPC		200		RBS3-084
- Missing PDU indicator		TRUE		RBS3-085
- Timer_STATUS_periodic		Not Present		RBS3-086
- RB mapping info				RBS3-087
- Information for each multiplexing option		2RBMuxOptions		RBS3-088
- RLC logical channel mapping indicator		Not Present		RBS3-089
- Number of uplink RLC logical channels		1		RBS3-090
- Uplink transport channel type		DCH		RBS3-091
- UL Transport channel identity		1		RBS3-092
- Logical channel identity		Not Present		RBS3-093
- CHOICE RLC size list		Configured		RBS3-094
- MAC logical channel priority		8		RBS3-095
- Downlink RLC logical channel info				RBS3-096
- Number of downlink RLC logical channels		1		RBS3-097
- Downlink transport channel type		DCH		RBS3-098
- DL DCH Transport channel identity		6		RBS3-099
- DL DSCH Transport channel identity		Not Present		RBS3-100
- Logical channel identity		Not Present		RBS3-101
- RLC logical channel mapping indicator		Not Present		RBS3-102
- Number of uplink RLC logical channels		1		RBS3-103
- Uplink transport channel type		RACH		RBS3-104

Information Element	Condition	Value/remark	Version	Index
- UL Transport channel identity		Not Present		RBS3-105
- Logical channel identity		7		RBS3-106
- CHOICE RLC size list		Explicit List		RBS3-107
- RLC size index		Reference to clause 6 Parameter Set		RBS3-108
- MAC logical channel priority		8		RBS3-109
- Downlink RLC logical channel info				RBS3-110
- Number of downlink RLC logical channels		1		RBS3-111
- Downlink transport channel type		FACH		RBS3-112
- DL DCH Transport channel identity		Not Present		RBS3-113
- DL DSCH Transport channel identity		Not Present		RBS3-114
- Logical channel identity		Not Present		RBS3-115
RB information to be affected list	A1,A3	Not Present		RBS3-116
Downlink counter synchronization info		Not Present		RBS3-117
UL Transport channel information for all transport channels	A1,A3			RBS3-118
- PRACH TFCS		Not Present		RBS3-119
- CHOICE mode		TDD		RBS3-120
-Individual UL CCTrCH information				RBS3-121
- TFCS ID		(This IE is repeated for TFC number.)		RBS3-122
- Allowed Transport Format combination		0 to MaxTFCvalue-1 (MaxTFCValue is refer to clause 6 Parameter Set.)		RBS3-123
- PRACH TFCS		(This IE is repeated for TFC number.)		RBS3-124
- CHOICE TFCI signalling		Normal		RBS3-125
- TFCI Field 1 information				RBS3-126
- TFCS complete reconfigure information				RBS3-127
- CHOICE TFCS Size		Number of used bits must be enough to cover all combinations of CTFC from clauses 6. Refer to clause 6 Parameter Set		RBS3-128
- CTFC information		Not Present		RBS3-129
- CHOICE mode		TDD		RBS3-130
- Individual UL CCTrCH information		Not Present		RBS3-131
Deleted UL TrCH information list		Not Present		RBS3-132
Added or Reconfigured UL TrCH information list	A1	1		RBS3-133
- Added or Reconfigured UL TrCH information				RBS3-134
- Uplink transport channel type		DCH		RBS3-135
- UL Transport channel identity		1		RBS3-136
- TFS				RBS3-137
- CHOICE Transport channel type		Dedicated transport channels		RBS3-138
- Dynamic Transport Format Information				RBS3-139
- RLC size		Reference to clause 6.10 Parameter Set		RBS3-140
- Number of TBs and TTI List		(This IE is repeated for TFI number.)		RBS3-141
- Transmission Time Interval		Not Present		RBS3-142
- Number of Transport blocks		Reference to clause 6.10 Parameter Set		RBS3-143
- Transmission Time Interval		Not Present		RBS3-144
- Number of Transport blocks		1		RBS3-145
- CHOICE Logical channel List		ALL		RBS3-146
- Semi-static Transport Format Information				RBS3-147
- Transmission time interval		Reference to clause 6.10 Parameter Set		RBS3-148
- Type of channel coding		Reference to clause 6.10 Parameter Set		RBS3-149
- Coding Rate		Reference to clause 6.10 Parameter Set		RBS3-150
- Rate matching attribute		Reference to clause 6.10 Parameter Set		RBS3-151
- CRC size		Reference to clause 6.10 Parameter Set		RBS3-152
CHOICE mode	A1, A3	TDD (no data)		RBS3-153
DL Transport channel information common for all transport channel	A1,A3			RBS3-154
- SCCPCH TFCS		Not Present		RBS3-155

Information Element	Condition	Value/remark	Version	Index
- CHOICE mode		TDD		RBS3-156
- CHOICE DL parameters		Independent (Refer to clause 6)		RBS3-157
Deleted DL TrCH information list	A1,A3	Not Present		RBS3-158
Added or Reconfigured DL TrCH information list		1		RBS3-159
- Added or Reconfigured DL TrCH information				RBS3-160
- Downlink transport channel type		DCH		RBS3-161
- DL Transport channel identity		6		RBS3-162
- CHOICE DL parameters		Same as UL		RBS3-163
- Uplink transport channel type		DCH		RBS3-164
- UL TrCH identity		1		RBS3-165
- DCH quality target				RBS3-166
- BLER Quality value		Reference to clause 6		RBS3-167
Frequency info	A1,A3	Not Present		RBS3-168
DTX-DRX timing information		Not Present	Rel-7	RBS3-169
DTX-DRX information		Not Present	Rel-7	RBS3-170
HS-SCCH less information		Not Present	Rel-7	RBS3-171
MIMO parameters		Not Present	Rel-7	RBS3-172
Maximum allowed UL TX power		30dBm		RBS3-173
CHOICE channel requirement		Uplink DPCH info		RBS3-174
- Uplink DPCH power control info				RBS3-175
- CHOICE mode		TDD		RBS3-176
- UL Target SIR		Reference to clause 6 Parameter set.		RBS3-177
- CHOICE UL OL PC info		Individually signalled		RBS3-178
- CHOICE TDD option		7.68 Mcps		RBS3-179
- Individual timeslot interference info				RBS3-180
- Individual timeslot interference				RBS3-181
- DPCH Constant Value		Values are used for open loop power control, clause 8 in 3GPP TS 25.331 [34]		RBS3-182
- CHOICE mode		TDD		RBS3-183
- Uplink Timing Advance Control		Not Present		RBS3-184
- UL CCTrCH List				RBS3-185
- TFCS Id		1		RBS3-186
- Time info				RBS3-187
- Activation time		(256+CFN-(CFN MOD 8 + 8))MOD 256		RBS3-188
- Duration		Infinite		RBS3-189
- Common timeslot info				RBS3-190
- 2nd interleaving mode		Reference to clause 6.11 Parameter Set		RBS3-191
- TFCI coding		Reference to clause 6.11 Parameter Set		RBS3-192
- Puncturing Limit		Reference to clause 6.11 Parameter Set		RBS3-193
- Repetition Period		Reference to clause 6.11 Parameter Set		RBS3-194
- Repetition Length		Reference to clause 6.11 Parameter Set		RBS3-195
- CHOICE TDD option		7.68 Mcps TDD	Rel-7	RBS3-196
- Uplink DPCH timeslots and codes VHCR			Rel-7	RBS3-197
- Dynamic SF usage		TRUE		RBS3-198
- First individual timeslot info				RBS3-199
- Timeslot number		The number of an uplink timeslot that has unassigned codes.		RBS3-200
- TFCI existence		TRUE		RBS3-201
- Midamble shift and burst type				RBS3-202
- CHOICE TDD option		7.68 Mcps TDD	Rel-7	RBS3-203
-CHOICE Burst Type				RBS3-204
-Type 1				RBS3-205
-Midamble Allocation Mode		Default		RBS3-206
- Midamble configuration burst type 1 and 3		As defined in 3GPP TS 25.221 [28]		RBS3-207
- CHOICE TDD option		7.68 Mcps TDD	Rel-7	RBS3-208
- First timeslot code list		Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of clause 6 Parameter Set.		RBS3-209
- Channelisation code		(i/SF) where i denotes an unassigned code		RBS3-210

Information Element	Condition	Value/remark	Version	Index
		matching the SF specified in clause 6 Parameter Set.		
- CHOICE more timeslots		The presence of this IE depends upon the number of resources specified in clause 6 and the number of slots in which they are being assigned.		RBS3-211
- UL CCTrCH List to Remove		Not Present		RBS3-212
CHOICE Mode		TDD (no data)		RBS3-213
Downlink HS-PDSCH Information	A1,A3	Not Present	Rel-5	RBS3-214
Downlink information common for all radio links	A1,A3			RBS3-215
- CHOICE DPCH info		Downlink DPCH info common for all RL	Rel-6	RBS3-216
- Timing indicator		Maintain		RBS3-217
- CFN-targetSFN frame offset		Not Present		RBS3-218
- Downlink DPCH power control information				RBS3-219
- CHOICE mode		TDD		RBS3-220
- TPC Step Size		1		RBS3-221
- MAC-d HFN initial value		Not Present		RBS3-222
- CHOICE mode		TDD		RBS3-223
- CHOICE mode		TDD		RBS3-224
- CHOICE TDD option		7.68 Mcps TDD	Rel-7	RBS3-225
- Default DPCH Offset Value		Not Present		RBS3-226
- Mac-hs reset indicator		Not Present		RBS3-227
Downlink information for per radio link list	A1,A3			RBS3-228
- Downlink information for each radio link				RBS3-229
- CHOICE mode		7.68 Mcps TDD	Rel-7	RBS3-230
- Primary CCPCH info				RBS3-231
- CHOICE *SyncCase*		Sync Case 1		RBS3-232
- Timeslot		PCCPCH timeslot		RBS3-233
- Cell parameters ID		0		RBS3-234
- SCTD indicator				RBS3-235
- CHOICE DPCH info		Downlink DPCH info for each RL	Rel-6	RBS3-236
- CHOICE mode		TDD		RBS3-237
- DL CCTrCH List				RBS3-238
- TFCS ID		1		RBS3-239
- Time info				RBS3-240
- Activation time		(256+CFN-(CFN mod 8 + 8))mod 256		RBS3-241
- Duration		infinite		RBS3-242
- Common timeslot info				RBS3-243
- 2nd interleaving mode		Reference to clause 6.11 Parameter Set		RBS3-244
- TFCI coding		Reference to clause 6.11 Parameter Set		RBS3-245
- Puncturing limit		Reference to clause 6.11 Parameter Set		RBS3-246
- Repetition period		Reference to clause 6.11 Parameter Set		RBS3-247
- Repetition length		Reference to clause 6.11 Parameter Set		RBS3-248
- Downlink DPCH timeslots and codes VHCR			Rel-7	RBS3-249
- Individual timeslot info				RBS3-250
- Timeslot number		The number of a downlink timeslot that has unassigned codes.		RBS3-251
- TFCI existence		TRUE		RBS3-252
- Midamble shift and burst type				RBS3-253
- CHOICE TDD option		7.68 Mcps TDD	Rel-7	RBS3-254
-CHOICE Burst Type				RBS3-255
-Type 1				RBS3-256
-Midamble Allocation Mode		Default		RBS3-257
- Midamble configuration burst type 1 and 3		As defined in 3GPP TS 25.221 [28]		RBS3-258
- CHOICE TDD option		7.68 Mcps	Rel-7	RBS3-259
- First timeslot channelisation codes VHCR			Rel-7	RBS3-260
- First channelisation code		(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in clause 6 Parameter Set..		RBS3-261
- Last channelisation code		(j/SF) where j is the highest numbered code that is being assigned in the slot.		RBS3-262

Information Element	Condition	Value/remark	Version	Index
- Bitmap		Bitmap of the codes that are being assigned in the slot.		RBS3-263
- CHOICE more timeslots		The presence of this IE depends upon whether the requirements of clause 6 Parameter Set could be met by the codes that have been assigned in the first timeslot.		RBS3-264
- UL CCTrCH TPC List		Not Present		RBS3-265
- DL CCTrCH List to Remove		Not Present		RBS3-266
-SCCPCH information for FACH		Not Present	R99 and Rel-4 only	RBS3-267
- E-AGCH Info		Not Present	Rel-6	RBS3-268
- CHOICE E-HICH Information		Not Present	Rel-6	RBS3-269
- CHOICE E-RGCH Information		Not Present	Rel-6	RBS3-270
MBMS PL Service Restriction Information		Not Present	Rel-5	RBS3-271

Condition	Explanation
A1	This IE is needed for transparent mode. In the case of TX and RX test cases, this IE is selected.

Contents of RADIO BEARER SETUP message: AM or UM (HSDPA)

Information Element	Value/remark	Version	Index
Message Type			RBSH-001
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3		RBSH-002
Integrity check info			RBSH-003
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.		RBSH-004
- RRC message sequence number	SS provides the value of this IE, from its internal counter.		RBSH-005
Integrity protection mode info	Not Present		RBSH-006
Ciphering mode info	Not Present		RBSH-007
Activation time	Not Present		RBSH-008
New U-RNTI	Not Present		RBSH-009
New C-RNTI	Not Present		RBSH-010
New H-RNTI	'1010 1010 1010 1010'	Rel-5	RBSH-011
New Primary E-RNTI	Not Present	Rel-6	RBSH-012
New Secondary E-RNTI	Not Present	Rel-6	RBSH-013
RRC State indicator	CELL_DCH		RBSH-014
UTRAN DRX cycle length coefficient	Not Present		RBSH-015
CN information info	Not Present		RBSH-016
URA identity	Not Present		RBSH-017
CHOICE specification mode	Complete specification	Rel-6	RBSH-018
Signalling RB information to setup	Not Present		RBSH-019
RAB information for setup list			RBSH-020
- RAB information for setup			RBSH-021
- RAB info	(high-speed UM DTCH for PS domain)		RBSH-022
- RAB identity	0000 0110B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.		RBSH-023
- CN domain identity	PS domain		RBSH-024
- NAS Synchronization Indicator	Not Present		RBSH-025
- Re-establishment timer	UseT315		RBSH-026
- RB information to setup			RBSH-027
- RB identity	25		RBSH-028
- PDCP info	Not Present		RBSH-029
- CHOICE RLC info type	RLC info		RBSH-030
- CHOICE Uplink RLC mode	Not Present		RBSH-031
- CHOICE Downlink RLC mode	UM RLC		RBSH-032
- DL UM RLC LI size	7	Rel-5	RBSH-033
- One sided RLC re-establishment	FALSE	Rel-5	RBSH-034
- RB mapping info			RBSH-035
- Information for each multiplexing option	1 RBMuxOptions		RBSH-036
- RLC logical channel mapping indicator	Not Present		RBSH-037
- Downlink RLC logical channel info			RBSH-038

Information Element	Value/remark	Version	Index
- Number of downlink RLC logical channels	1		RBSH-039
- Downlink transport channel type	HS-DSCH		RBSH-040
- DL DCH Transport channel identity	Not Present		RBSH-041
- DL DSCH Transport channel identity	Not Present		RBSH-042
- DL HS-DSCH MAC-d flow identity	0		RBSH-043
- Logical channel identity	Not Present		RBSH-044
RB information to reconfigure list	Not Present	Rel-6	RBSH-045
RB information to be affected list	Not Present		RBSH-046
Downlink counter synchronization info	Not Present		RBSH-047
PDCP ROHC target mode	Not Present	Rel-5	RBSH-048
UL Transport channel information for all transport channels			RBSH-049
- PRACH TFCS	Not Present		RBSH-050
- CHOICE mode	TDD		RBSH-051
- Individual UL CCTrCH information			RBSH-052
- UL TFCS Identity			RBSH-053
- TFCS ID	1		RBSH-054
- Shared Channel Indicator	FALSE		RBSH-055
- UL TFCS			RBSH-056
- CHOICE TFCI signalling	Normal		RBSH-057
- TFCI Field 1 information			RBSH-058
- CHOICE TFCS representation	Complete reconfiguration		RBSH-059
- TFCS complete reconfigure information			RBSH-060
- CHOICE CTFC Size	2 bit CTFC		RBSH-061
- CTFC information	4 TFCs		RBSH-062
- CTFC	Reference to TS 34.122 clause C.2.1 Parameter Set		RBSH-063
- Power offset information			RBSH-064
- CHOICE Gain Factors	Computed Gain Factors(The last TFC is set to Signalled Gain Factors)		RBSH-065
- Reference TFC ID	0 Integer(0.. 3)		RBSH-066
- CHOICE Gain Factors	Signalled Gain Factors(Not Present if the CHOICE Gain Factors is set to ComputedGain Factors)		RBSH-067
- CHOICE mode	TDD		RBSH-068
- Gain factor βd	8 (Not Present if the CHOICE Gain Factors is set to Computed Gain Factors)		RBSH-069
- Reference TFC ID	0		RBSH-070
- CHOICE mode	TDD		RBSH-071
- TFC subset	Not Present		RBSH-072
- CHOICE Subset representation	Full transport format combination set		RBSH-073
- TFC subset list			RBSH-074
Deleted UL TrCH information list	Not Present		RBSH-075
Added or Reconfigured TrCH information list	Not Present		RBSH-076
CHOICE mode	Not Present		RBSH-077
DL Transport channel information common for all transport channel			RBSH-078
- SCCPCH TFCS	Not Present		RBSH-079
- CHOICE mode	TDD		RBSH-080
- Individual DL CCTrCH information	1 CCTrCh		RBSH-081
- DL TFCS identity	1		RBSH-082
- CHOICE DL parameters	Independent		RBSH-083
- DL TFCS			RBSH-084
- TFCI Field 1 Information			RBSH-085
- CHOICE TFCS representation	Complete reconfiguration		RBSH-086
- TFCS complete reconfigure			RBSH-087
- CHOICE CTFC Size	2 bit CTFC		RBSH-088
- CTFC information	4 TFCs		RBSH-089
- CTFC	Reference to TS 34.122 [5] Annex C.3.1 Parameter Set		RBSH-090
- Power offset information	Not Present		RBSH-091
Deleted DL TrCH information	Not Present		RBSH-092
Added or Reconfigured DL TrCH information list	1 TrCHs added		RBSH-093
- Added or Reconfigured DL TrCH information			RBSH-094
- Downlink transport channel type	HS-DSCH	Rel-5	RBSH-095
- DL Transport channel identity	Not Present		RBSH-096
- CHOICE DL parameters	HS-DSCH	Rel-5	RBSH-097

Information Element	Value/remark	Version	Index
- HARQ Info		Rel-5	RBSH-098
- Number of Processes	Reference to TS34.122 [5] Annex C.4 Fixed Reference Channels	Rel-5	RBSH-099
- CHOICE *Memory Partitioning*	Explicit	Rel-5	RBSH-100
- Memory size	Reference to TS34.122 [5] Annex C.4 Fixed Reference Channels parameter “Number of HARQ Processes”.	Rel-5	RBSH-101
- Process Memory Size	Reference to TS34.122 [5] Annex C.4 Fixed Reference Channels parameter “Number of SML’s per HARQ Proc.”.	Rel-5	RBSH-102
- Added or reconfigured MAC-d flow		Rel-5	RBSH-103
- MAC-hs queue to add or reconfigure list	(one queue)	Rel-5	RBSH-104
- MAC-hs queue Id	0	Rel-5	RBSH-105
- MAC-d Flow Identity	0	Rel-5	RBSH-106
- T1	160	Rel-5	RBSH-107
- MAC-hs window size	16	Rel-5	RBSH-108
- MAC-d PDU size Info		Rel-5	RBSH-109
- MAC-d PDU size	Reference to TS34.122 [2] Annex C.4 Fixed Reference Channels	Rel-5	RBSH-110
- MAC-d PDU size index	0	Rel-5	RBSH-111
- MAC-hs queue to delete list	Not present	Rel-5	RBSH-112
- DCH quality target	Not present		RBSH-113
Frequency info	Not Present		RBSH-114
Maximum allowed UL TX power	30dBm		RBSH-115
CHOICE channel requirement	Uplink DPCH info		RBSH-116
Uplink DPCH info		Rel-6	RBSH-117
- Uplink DPCH power control info			RBSH-118
- CHOICE mode	TDD		RBSH-119
- UL target SIR	Not present		RBSH-120
- CHOICE UL OL PC info	Broadcast UL OL PC info		RBSH-121
- CHOICE mode	TDD		RBSH-122
- Uplink Timing Advance Control			RBSH-123
- CHOICE Timing Advance	Enabled		RBSH-124
- CHOICE TDD option	3.84 Mcps TDD		RBSH-125
- UL Timing Advance	Determined by observed timing deviation of the RACH at the node B		RBSH-126
- UL CCTrCH List	1 CCTrCh		RBSH-127
- TFCS Id	1		RBSH-128
- UL target SIR	+20dB		RBSH-129
- Activation time	Not present		RBSH-130
- Duration	Not present		RBSH-131
- Common timeslot info			RBSH-132
- 2nd interleaving mode	Reference to TS 34.122 clause C.2.1 Parameter Set		RBSH-133
- TFCI coding	Reference to TS 34.122 clause C.2.1 Parameter Set		RBSH-134
- Puncturing Limit	Reference to TS 34.122 clause C.2.1 Parameter Set		RBSH-135
- Repetition Period	1		RBSH-136
- Repetition Length	1		RBSH-137
- Uplink DPCH timeslots and codes			RBSH-138
- Dynamic SF usage	TRUE		RBSH-139
- Timeslot number	The number of an uplink timeslot that has unassigned codes.		RBSH-140
- TFCI existence	TRUE		RBSH-141
- Midamble shift and burst type			RBSH-142
- CHOICE TDD option	3.84 Mcps		RBSH-143
- CHOICE Burst Type	Reference to TS 34.122 clause C.2.1 Parameter Set		RBSH-144
- Midamble Allocation Mode	Default		RBSH-145
- Midamble configuration	Choose lowest possible Kcell value given burst type		RBSH-146
- CHOICE TDD option	3.84 Mcps TDD		RBSH-147
- First timeslot Code List	Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS 34.122 clause C.2.1 Parameter Set.		RBSH-148
- Channelisation code	(i/SF) where i denotes an unassigned code		RBSH-149

Information Element	Value/remark	Version	Index
	matching the SF specified in TS 34.122 clause C.2.1 Parameter Set.		
- CHOICE more timeslots	The presence of this IE depends upon the number of resources specified in TS 34.122 clause C.2.1 Parameter Set and the number of slots in which they are being assigned.		RBSH-150
- UL CCTrCH List to Remove	Not present		RBSH-151
E-DCH Info	Not present	Rel-6	RBSH-152
Downlink HS-PDSCH Information		Rel-5	RBSH-153
- HS-SCCH Info		Rel-5	RBSH-154
- CHOICE mode	TDD	Rel-5	RBSH-155
- CHOICE TDD option	3.84 Mcps TDD	Rel-5	RBSH-156
- Ack-Nack Power Offset	0dB	Rel-5	RBSH-157
- HS-SICH Power Control Info		Rel-5	RBSH-158
- UL SIR target	0dB	Rel-5	RBSH-159
- HS-SICH Constant Value	-10dB	Rel-5	RBSH-160
- $D_{hs\text{-}sync}$	Not present	Rel-6	RBSH-161
- HS-SCCH Set Configuration	4	Rel-5	RBSH-162
- Timeslot number	The timeslot in which HS-SCCH is to be configured	Rel-5	RBSH-163
- Channelisation code	CC16/x where x is a previously unassigned channelisation code in this TS	Rel-5	RBSH-164
- Midamble Allocation mode	Default	Rel-5	RBSH-165
- Midamble configuration	8	Rel-5	RBSH-166
- BLER target	-2.4 (note that this equates to a BLER target of 0.4%, log10(0.004) = -2.4)	Rel-5	RBSH-167
- HS-SICH configuration			RBSH-168
- Timeslot number	The timeslot in which HS-SICH has been configured	Rel-5	RBSH-169
- Channelisation code	CC16/x where x is a previously unassigned channelisation code in this TS	Rel-5	RBSH-170
- Midamble Allocation mode	Default	Rel-5	RBSH-171
- Midamble configuration	8	Rel-5	RBSH-172
- Measurement Feedback Info		Rel-5	RBSH-173
- CHOICE mode	TDD	Rel-5	RBSH-174
- CHOICE TDD option	3.84 Mcps TDD	Rel-5	RBSH-175
- HS-PDSCH Timeslot Configuration		Rel-5	RBSH-176
- HS-PDSCH Timeslot Configuration List	Reference to TS 34.122 clause C.4.1 Parameter Set	Rel-5	RBSH-177
- Timeslot Number	The timeslot(s) in which HS-HS-DSCH is to configured	Rel-5	RBSH-178
- CHOICE Burst Type	Reference to TS 34.122 clause C.4.1 Parameter Set	Rel-5	RBSH-179
- Midamble Allocation Mode	Default	Rel-5	RBSH-180
- Midamble configuration burst type 1 and 3	8	Rel-5	RBSH-181
Downlink information common for all radio links	Not Present		RBSH-182
Downlink information per radio link list	1		RBSH-183
- Downlink information for each radio link			RBSH-184
- Choice mode	TDD		RBSH-185
- Primary CCPCH info			RBSH-186
- Choice mode	TDD		RBSH-187
- CHOICE TDD option	3.84 Mcps TDD		RBSH-188
- CHOICE SyncCase	Sync Case 1		RBSH-189
- Timeslot	Set to Timeslot containing PCCPCH		RBSH-190
- Cell parameters ID	10		RBSH-191
- SCTD indicator	FALSE		RBSH-192
- CHOICE DPCH info	Downlink DPCH info for each RL		RBSH-193
- CHOICE mode	TDD		RBSH-194
- DL CCTrCH List	1 CCTrCh		RBSH-195
- TFCS ID	1		RBSH-196
- Activation time	Not Present		RBSH-197
- Duration	Not Present		RBSH-198
- Common timeslot info			RBSH-199
- 2nd interleaving mode	Reference to TS 34.122 clause C.3.1 Parameter Set		RBSH-200
- TFCI coding	Reference to TS 34.122 clause C.3.1 Parameter Set		RBSH-201
- Puncturing Limit	Reference to TS 34.122 clause C.3.1 Parameter		RBSH-202

Information Element	Value/remark	Version	Index
	Set		
- Repetition Period	Reference to TS 34.122 clause C.3.1 Parameter Set		RBSH-203
- Repetition Length	Reference to TS 34.122 clause C.3.1 Parameter Set		RBSH-204
- Downlink DPCH timeslots and codes			RBSH-205
- Individual timeslot info			RBSH-206
- Timeslot number	The number of a downlink timeslot that has unassigned codes.		RBSH-207
- TFCI existence	TRUE		RBSH-208
- Midamble shift and burst type			RBSH-209
- CHOICE TDD option	3.84 Mcps		RBSH-210
- CHOICE Burst Type	Reference to TS 34.122 clause C.3.1 Parameter Set		RBSH-211
- Midamble Allocation Mode	Default		RBSH-212
- Midamble configuration	Set Kcell to lowest possible value given the number of codes defined in TS 34.122 clause C.3.1 Parameter Set		RBSH-213
- CHOICE TDD option	3.84 Mcps		RBSH-214
- First timeslot channelisation codes			RBSH-215
- CHOICE codes representation	Consecutive codes		RBSH-216
- First channelisation code	(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS 34.122 clause C.3.1 Parameter Set.		RBSH-217
- Last channelisation code	(j/SF) where j is the highest numbered code that is being assigned in the slot as specified in TS 34.122 clause C.3.1 Parameter Set.		RBSH-218
- CHOICE more timeslots	The presence of this IE depends upon whether the requirements of TS 34.122 clause C.3.1 Parameter Set could be met by the codes that have been assigned in the first timeslot.		RBSH-219
- UL CCTrCH TPC List	No Present		RBSH-220
- DL CCTrCH List to Remove	Not Present		RBSH-221
- E-AGCH Info	Not Present	Rel-6	RBSH-222
- CHOICE E-HICH Information	Not Present	Rel-6	RBSH-223
- CHOICE E-RGCH Information	Not Present	Rel-6	RBSH-224
MBMS PL Service Restriction Information	Not Present	Rel-6	RBSH-225

Contents of RADIO BEARER SETUP message: AM or UM (HSDPA) (1.28 Mcps TDD)

Information Element	Value/remark	Version	Index
Message Type			RBSH-001
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3		RBSH-002
Integrity check info			RBSH-003
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.		RBSH-004
- RRC message sequence number	SS provides the value of this IE, from its internal counter.		RBSH-005
Integrity protection mode info	Not Present		RBSH-006
Ciphering mode info	Not Present		RBSH-007
Activation time	Not Present		RBSH-008
New U-RNTI	Not Present		RBSH-009
New C-RNTI	Not Present		RBSH-010
New H-RNTI	'1010 1010 1010 1010'	Rel-5	RBSH-011
RRC State indicator	CELL_DCH		RBSH-012
UTRAN DRX cycle length coefficient	Not Present		RBSH-013
CN information info	Not Present		RBSH-014
URA identity	Not Present		RBSH-015
Signalling RB information to setup	Not Present		RBSH-016
RAB information for setup list			RBSH-017
- RAB information for setup			RBSH-018
- RAB info	(high-speed UM DTCH for PS domain)		RBSH-019
- RAB identity	0000 0110B		RBSH-020

Information Element	Value/remark	Version	Index
	The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.		
- CN domain identity	PS domain		RBSH-021
- NAS Synchronization Indicator	Not Present		RBSH-022
- Re-establishment timer	UseT315		RBSH-023
- RB information to setup			RBSH-024
- RB identity	25		RBSH-025
- PDCP info	Not Present		RBSH-026
- CHOICE RLC info type	RLC info		RBSH-027
- CHOICE Uplink RLC mode	Not Present		RBSH-028
- CHOICE Downlink RLC mode	UM RLC		RBSH-029
- DL UM RLC LI size	7	Rel-5	RBSH-030
- One sided RLC re-establishment	FALSE	Rel-5	RBSH-031
- RB mapping info			RBSH-032
- Information for each multiplexing option	1 RBMuxOptions		RBSH-033
- RLC logical channel mapping indicator	Not Present		RBSH-034
- Downlink RLC logical channel info			RBSH-035
- Number of downlink RLC logical channels	1		RBSH-036
- Downlink transport channel type	HS-DSCH		RBSH-037
- DL DCH Transport channel identity	Not Present		RBSH-038
- DL DSCH Transport channel identity	Not Present		RBSH-039
- DL HS-DSCH MAC-d flow identity	0		RBSH-040
- Logical channel identity	Not Present		RBSH-041
RB information to be affected list	Not Present		RBSH-042
Downlink counter synchronization info	Not Present		RBSH-043
PDCP ROHC target mode	Not Present	Rel-5	RBSH-044
UL Transport channel information for all transport channels			RBSH-045
- PRACH TFCS	Not Present		RBSH-046
- CHOICE mode	TDD		RBSH-047
- Individual UL CCTrCH information			RBSH-048
- UL TFCS Identity			RBSH-049
- TFCS ID	1		RBSH-050
- Shared Channel Indicator	FALSE		RBSH-051
- UL TFCS			RBSH-052
- CHOICE TFCI signalling	Normal		RBSH-053
- TFCI Field 1 Information			RBSH-054
- CHOICE TFCS representation	Complete reconfiguration		RBSH-055
- TFCS complete reconfiguration information			RBSH-056
- CHOICE CTFC Size	2 bit CTFC		RBSH-057
- CTFC information	4 TFCs		RBSH-058
- CTFC	Reference to clause TS 34.122 clause C.2.1 Parameter Set		RBSH-059
- Power offset information			RBSH-060
- CHOICE Gain Factors	Computed Gain Factors(The last TFC is set to Signalled Gain Factors)		RBSH-061
- Reference TFC ID	0 Integer(0.. 3)		RBSH-062
- CHOICE Gain Factors	Signalled Gain Factors(Not Present if the CHOICE Gain Factors is set to ComputedGain Factors)		RBSH-063
- CHOICE mode	TDD		RBSH-064
- Gain Factor β_d	15		RBSH-065
- Reference TFC ID	0 Integer(0.. 3)		RBSH-066
- CHOICE mode	TDD		RBSH-067
- TFC subset			RBSH-068
- CHOICE Subset representation	Full transport format combination set		RBSH-069
- TFC subset list	Not Present		RBSH-070
Deleted UL TrCH information list	Not Present		RBSH-071
Added or Reconfigured TrCH information list	Not Present		RBSH-072
CHOICE mode	Not Present		RBSH-073
DL Transport channel information common for all transport channel			RBSH-074
- SCCPCH TFCS	Not Present		RBSH-075
- CHOICE mode	TDD		RBSH-076

Information Element	Value/remark	Version	Index
- Individual DL CCTrCH information			RBSH-077
- DL TFCS Identity			RBSH-078
- TFCS ID	2		RBSH-079
- Shared Channel Indicator	FALSE		RBSH-080
- CHOICE DL parameters	Explicit		RBSH-081
- DL DCH TFCS			RBSH-082
- CHOICE TFCI Signalling	Normal		RBSH-083
- TFCI Field 1 Information			RBSH-084
- CHOICE TFCS representation	Complete reconfiguration		RBSH-085
- TFCS complete reconfigure			RBSH-086
- CHOICE CTFC Size	2 bit CTFC		RBSH-087
- CTFC information	4 TFCs		RBSH-088
- CTFC	Reference to clause TS 34.122 clause C.2.1 Parameter Set		RBSH-089
- Power offset information	Not Present		RBSH-090
Deleted DL TrCH information	Not Present		RBSH-091
Added or Reconfigured DL TrCH information list	1 TrCHs added		RBSH-092
- Added or Reconfigured DL TrCH information	(HS-DSCH for DTCH)		RBSH-093
- Downlink transport channel type	HS-DSCH	Rel-5	RBSH-094
- DL Transport channel identity	Not Present		RBSH-095
- CHOICE DL parameters	HS-DSCH		RBSH-096
- HARQ Info		Rel-5	RBSH-097
- Number of Processes	Reference to TS34.122 [5] Annex C Fixed Reference Channels		RBSH-098
- CHOICE *Memory Partitioning*	Implicit		RBSH-099
- Added or reconfigured MAC-d flow			RBSH-100
- MAC-hs queue to add or reconfigure list	(one queue)	Rel-5	RBSH-101
- MAC-hs queue Id	0		RBSH-102
- MAC-d Flow Identity	0		RBSH-103
- T1	50		RBSH-104
- MAC-hs window size	16		RBSH-105
- MAC-d PDU size Info			RBSH-106
- MAC-d PDU size	Reference to TS34.122 [5] Annex C Fixed Reference Channels		RBSH-107
- MAC-d PDU size index	0		RBSH-108
- MAC-hs queue to delete list	Not present		RBSH-109
- DCH quality target	Not present		RBSH-110
Frequency info	Not Present		RBSH-111
Maximum allowed UL TX power	33dBm		RBSH-112
CHOICE channel requirement	Uplink DPCH info	Rel-5 and earlier	RBSH-113
- Uplink DPCH power control info			RBSH-114
- CHOICE mode	TDD		RBSH-115
- CHOICE TDD option	1.28 Mcps TDD		RBSH-116
- $PRX_{PDPCHdes}$	Integer (-120….-58 by step of 1)		RBSH-117
- CHOICE *UL OL PC info*			RBSH-118
- Broadcast UL OL PC info	Null		RBSH-119
- Uplink Timing Advance Control	Not Present		RBSH-120
- UL CCTrCH List			RBSH-121
- TFCS ID	1		RBSH-122
- UL Target SIR	Real (-11 .. 20 by step of 0.5 dB) Reference to clause 6 Parameter set.		RBSH-123
- Time info			RBSH-124
- Activation time	(256+CFN-(CFN MOD 8 + 8)) MOD 256		RBSH-125
- Duration	Infinite		RBSH-126
- Common timeslot info			RBSH-127
- 2nd interleaving mode	Default value is "Frame"		RBSH-128
- TFCI coding	Reference to clause 6 Parameter set		RBSH-129
- Puncturing limit	Reference to clause 6 Parameter set		RBSH-130
- Repetition period	1		RBSH-131
- Repetition length			RBSH-132
- Uplink DPCH timeslots and code			RBSH-133
- Dynamic SF usage	FALSE		RBSH-134

Information Element	Value/remark	Version	Index
- First individual timeslot info			RBSH-135
- Timeslot number			RBSH-136
- CHOICE TDD option	1.28 Mcps TDD		RBSH-137
- Timeslot number	1 OR 2 OR 3		RBSH-138
- TFCI existence	TRUE		RBSH-139
- Midamble shift and burst type			RBSH-140
- CHOICE TDD option	1.28 Mcps TDD		RBSH-141
- Midamble allocation mode	Default midamble		RBSH-142
- Midamble configuration	16		RBSH-143
- Midamble Shift	Not Present		RBSH-144
- CHOICE TDD option	1.28 Mcps TDD		RBSH-145
- Modulation	QPSK		RBSH-146
- SS-TPC Symbols	1		RBSH-147
- Additional TPC-SS Symbols	Not present		RBSH-148
- First timeslot Code List	Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of clause 6 Parameter Set.		RBSH-149
- channelisation codes	(SF/ i) where i denotes an unassigned code matching the SF specified in clause 6 Parameter Set.		RBSH-150
- CHOICE more timeslots	No more timeslots		RBSH-151
- UL CCTrCH List to Remove	Not present		RBSH-152
CHOICE Mode	TDD	R99 and Rel-4 only	RBSH-153
- Downlink PDSCH information	Not Present	R99 and Rel-4 only	RBSH-154
Downlink HS-PDSCH Information			RBSH-155
- HS-SCCH Info			RBSH-156
- CHOICE mode	TDD		RBSH-157
- CHOICE TDD option	1.28 Mcps		RBSH-158
- HS-SCCH Set Configuration			RBSH-159
- Timeslot number	0		RBSH-160
- First Channelisation code	(16/5)		RBSH-161
- Second Channelisation code	(16/6)		RBSH-162
- Midamble Allocation mode	Default midamble		RBSH-163
- Midamble configuration	8		RBSH-164
- BLER target	-2.0		RBSH-165
- HS-SICH configuration			RBSH-166
- Timeslot number	1		RBSH-167
- Channelisation code	(16/11)		RBSH-168
- Midamble Allocation mode	Default midamble		RBSH-169
- Midamble configuration	8		RBSH-170
- Ack-Nack Power Offset	0		RBSH-171
- $PRX_{HS-SICH}$			RBSH-172
- TPC step size	1dB		RBSH-173
- Timeslot number	0		RBSH-174
- First Channelisation code	(16/7)		RBSH-175
- Second Channelisation code	(16/8)		RBSH-176
- Midamble Allocation mode	Default midamble		RBSH-177
- Midamble configuration	8		RBSH-178
- BLER target	-2.0		RBSH-179
- HS-SICH configuration			RBSH-180
- Timeslot number	1		RBSH-181
- Channelisation code	(16/12)		RBSH-182
- Midamble Allocation mode	Default midamble		RBSH-183
- Midamble configuration	8		RBSH-184
- Ack-Nack Power Offset	0		RBSH-185
- $PRX_{HS-SICH}$			RBSH-186
- TPC step size	1dB		RBSH-187
- Timeslot number	0		RBSH-188
- First Channelisation code	(16/9)		RBSH-189
- Second Channelisation code	(16/10)		RBSH-190
- Midamble Allocation mode	Default midamble		RBSH-191

Information Element	Value/remark	Version	Index
- Midamble configuration	8		RBSH-192
- BLER target	-2.0		RBSH-193
- HS-SICH configuration			RBSH-194
- Timeslot number	1		RBSH-195
- Channelisation code	(16/13)		RBSH-196
- Midamble Allocation mode	Default midamble		RBSH-197
- Midamble configuration	8		RBSH-198
- Ack-Nack Power Offset	0		RBSH-199
- PRX$_{HS-SICH}$			RBSH-200
- TPC step size	1dB		RBSH-201
- Timeslot number	0		RBSH-202
- First Channelisation code	(16/11)		RBSH-203
- Second Channelisation code	(16/12)		RBSH-204
- Midamble Allocation mode	Default midamble		RBSH-205
- Midamble configuration	8		RBSH-206
- BLER target	-2.0		RBSH-207
- HS-SICH configuration			RBSH-208
- Timeslot number	1		RBSH-209
- Channelisation code	(16/14)		RBSH-210
- Midamble Allocation mode	Default midamble		RBSH-211
- Midamble configuration	8		RBSH-212
- Ack-Nack Power Offset	0		RBSH-213
- PRX$_{HS-SICH}$			RBSH-214
- TPC step size	1dB		RBSH-215
Downlink information common for all radio links	Not Present		RBSH-216
Downlink information per radio link list			RBSH-217
- Downlink information for each radio link			RBSH-218
- CHOICE mode	TDD		RBSH-219
- Downlink information for each radio link			RBSH-220
- Choice mode	2 Integer(1.8)		RBSH-221
- Primary CCPCH info			RBSH-222
- Choice mode	Now		RBSH-223
- Choice TDD Option	Infinite		RBSH-224
- TSTD indicator			RBSH-225
- Cell parameters ID	Default value is "Frame"		RBSH-226
- SCTD indicator	Reference to clause 6 Parameter set		RBSH-227
- Downlink DPCH info for each RL	Reference to clause 6 Parameter set		RBSH-228
- CHOICE mode	1		RBSH-229
- DL CCTrCh List	NULL		RBSH-230
- TFCS ID			RBSH-231
- Time info			RBSH-232
- Activation time			RBSH-233
- Duration	1.28 Mcps TDD		RBSH-234
- Common timeslot info	4 OR 5 OR 6		RBSH-235
- 2nd interleaving mode	TRUE		RBSH-236
- TFCI coding			RBSH-237
- Puncturing limit	1.28 Mcps TDD		RBSH-238
- Repetition period	Default midamble		RBSH-239
- Repetition length	16		RBSH-240
- Downlink DPCH timeslots and codes	Not Present		RBSH-241
- First individual timeslot info	1.28 Mcps TDD		RBSH-242
- Timeslot number	QPSK		RBSH-243
- CHOICE TDD option	1		RBSH-244
- Timeslot number	Not present		RBSH-245
- TFCI existence	Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of clause 6 Parameter Set.		RBSH-246
- Midamble shift and burst type			RBSH-247
- CHOICE TDD option	Reference to clause 6.11 Parameter Set		RBSH-248
- Midamble allocation mode	No more timeslots		RBSH-249
- Midamble configuration	This list is not required for 1.28 Mcps TDD and is to be ignored by the UE.		RBSH-250
- Midamble Shift			RBSH-251

Information Element	Value/remark	Version	Index
- CHOICE TDD option	1		RBSH-252
- Modulation	FALSE		RBSH-253
- SS-TPC Symbols	Not present		RBSH-254
- Additional TPC-SS Symbols	Not Present		RBSH-255
- First timeslot channelisation codes	TDD		RBSH-256
- CHOICE codes representation			RBSH-257
- Channelisation codes bitmap	2 Integer(1.8)		RBSH-258
- CHOICE more timeslots			RBSH-259
- UL CCTrCH TPC List	Now		RBSH-260
- UL TPC TFCS Identity	Infinite		RBSH-261
- TFCS ID			RBSH-262
- Shared Channel Indicator	Default value is "Frame"		RBSH-263
- DL CCTrCH List to Remove	Reference to clause 6 Parameter set		RBSH-264
- SCCPCH Information for FACH	Reference to clause 6 Parameter set	R99 and Rel-4 only	RBSH-265

Contents of RADIO BEARER SETUP message: AM or UM (HSDPA) (7.68 Mcps TDD)

Information Element	Value/remark	Version	Index
Message Type			RBS7-001
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3		RBS7-002
Integrity check info			RBS7-003
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.		RBS7-004
- RRC message sequence number	SS provides the value of this IE, from its internal counter.		RBS7-005
Integrity protection mode info	Not Present		RBS7-006
Ciphering mode info	Not Present		RBS7-007
Activation time	Not Present		RBS7-008
New U-RNTI	Not Present		RBS7-009
New C-RNTI	Not Present		RBS7-010
New H-RNTI	'1010 1010 1010 1010'	Rel-5	RBS7-011
CHOICE mode	TDD	Rel-7	RBS7-012
New E-RNTI	Not Present	Rel-7	RBS7-013
RRC State indicator	CELL_DCH		RBS7-014
UTRAN DRX cycle length coefficient	Not Present		RBS7-015
CN information info	Not Present		RBS7-016
URA identity	Not Present		RBS7-017
CHOICE specification mode	Complete specification	Rel-6	RBS7-018
Signalling RB information to setup	Not Present		RBS7-019
RAB information for setup list			RBS7-020
- RAB information for setup			RBS7-021
- RAB info	(high-speed UM DTCH for PS domain)		RBS7-022
- RAB identity	0000 0110B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.		RBS7-023
- CN domain identity	PS domain		RBS7-024
- NAS Synchronization Indicator	Not Present		RBS7-025
- Re-establishment timer	UseT315		RBS7-026
- RB information to setup			RBS7-027
- RB identity	25		RBS7-028
- PDCP info	Not Present		RBS7-029
- CHOICE RLC info type	RLC info		RBS7-030
- CHOICE Uplink RLC mode	Not Present		RBS7-031
- CHOICE Downlink RLC mode	UM RLC		RBS7-032
- DL UM RLC LI size	7	Rel-5	RBS7-033
- One sided RLC re-establishment	FALSE	Rel-5	RBS7-034
- RB mapping info			RBS7-035
- Information for each multiplexing option	1 RBMuxOptions		RBS7-036
- RLC logical channel mapping indicator	Not Present		RBS7-037
- Downlink RLC logical channel info			RBS7-038
- Number of downlink RLC logical channels	1		RBS7-039
- Downlink transport channel type	HS-DSCH		RBS7-040
- DL DCH Transport channel identity	Not Present		RBS7-041

Information Element	Value/remark	Version	Index
- DL DSCH Transport channel identity	Not Present		RBS7-042
- DL HS-DSCH MAC-d flow identity	0		RBS7-043
- Logical channel identity	Not Present		RBS7-044
RB information to reconfigure list	Not Present	Rel-6	RBS7-045
RB information to be affected list	Not Present		RBS7-046
Downlink counter synchronization info	Not Present		RBS7-047
PDCP ROHC target mode	Not Present	Rel-5	RBS7-048
UL Transport channel information for all transport channels			RBS7-049
- PRACH TFCS	Not Present		RBS7-050
- CHOICE mode	TDD		RBS7-051
- Individual UL CCTrCH information			RBS7-052
- UL TFCS Identity			RBS7-053
- TFCS ID	1		RBS7-054
- Shared Channel Indicator	FALSE		RBS7-055
- UL TFCS			RBS7-056
- CHOICE TFCI signalling	Normal		RBS7-057
- TFCI Field 1 information			RBS7-058
- CHOICE TFCS representation	Complete reconfiguration		RBS7-059
- TFCS complete reconfigure information			RBS7-060
- CHOICE CTFC Size	2 bit CTFC		RBS7-061
- CTFC information	4 TFCs		RBS7-062
- CTFC	Reference to TS 34.122 clause C.2.1 Parameter Set		RBS7-063
- Power offset information			RBS7-064
- CHOICE Gain Factors	Computed Gain Factors(The last TFC is set to Signalled Gain Factors)		RBS7-065
- Reference TFC ID	0 Integer(0.. 3)		RBS7-066
- CHOICE Gain Factors	Signalled Gain Factors(Not Present if the CHOICE Gain Factors is set to ComputedGain Factors)		RBS7-067
- CHOICE mode	TDD		RBS7-068
- Gain factor βd	8 (Not Present if the CHOICE Gain Factors is set to Computed Gain Factors)		RBS7-069
- Reference TFC ID	0		RBS7-070
- CHOICE mode	TDD		RBS7-071
- TFC subset	Not Present		RBS7-072
- CHOICE Subset representation	Full transport format combination set		RBS7-073
- TFC subset list			RBS7-074
Deleted UL TrCH information list	Not Present		RBS7-075
Added or Reconfigured TrCH information list	Not Present		RBS7-076
CHOICE mode	Not Present		RBS7-077
DL Transport channel information common for all transport channel			RBS7-078
- SCCPCH TFCS	Not Present		RBS7-079
- CHOICE mode	TDD		RBS7-080
- Individual DL CCTrCH information	1 CCTrCh		RBS7-081
- DL TFCS identity	1		RBS7-082
- CHOICE DL parameters	Independent		RBS7-083
- DL TFCS			RBS7-084
- TFCI Field 1 Information			RBS7-085
- CHOICE TFCS representation	Complete reconfiguration		RBS7-086
- TFCS complete reconfigure			RBS7-087
- CHOICE CTFC Size	2 bit CTFC		RBS7-088
- CTFC information	4 TFCs		RBS7-089
- CTFC	Reference to TS 34.122 [5] Annex C.3.1 Parameter Set		RBS7-090
- Power offset information	Not Present		RBS7-091
Deleted DL TrCH information	Not Present		RBS7-092
Added or Reconfigured DL TrCH information list	1 TrCHs added		RBS7-093
- Added or Reconfigured DL TrCH information			RBS7-094
- Downlink transport channel type	HS-DSCH	Rel-5	RBS7-095
- DL Transport channel identity	Not Present		RBS7-096
- CHOICE DL parameters	HS-DSCH	Rel-5	RBS7-097
- HARQ Info		Rel-5	RBS7-098
- Number of Processes	Reference to TS34.122 [5] Annex C.4 Fixed Reference Channels	Rel-5	RBS7-099

Information Element	Value/remark	Version	Index
- CHOICE *Memory Partitioning*	Explicit	Rel-5	RBS7-100
- Memory size	Reference to TS34.122 [5] Annex C.4 Fixed Reference Channels parameter “Number of HARQ Processes”.	Rel-5	RBS7-101
- Process Memory Size	Reference to TS34.122 [5] Annex C.4 Fixed Reference Channels parameter “Number of SML’s per HARQ Proc.”.	Rel-5	RBS7-102
- Added or reconfigured MAC-d flow		Rel-5	RBS7-103
- MAC-hs queue to add or reconfigure list	(one queue)	Rel-5	RBS7-104
- MAC-hs queue Id	0	Rel-5	RBS7-105
- MAC-d Flow Identity	0	Rel-5	RBS7-106
- T1	160	Rel-5	RBS7-107
- MAC-hs window size	16	Rel-5	RBS7-108
- MAC-d PDU size Info		Rel-5	RBS7-109
- MAC-d PDU size	Reference to TS34.122 [2] Annex C.4 Fixed Reference Channels	Rel-5	RBS7-110
- MAC-d PDU size index	0	Rel-5	RBS7-111
- MAC-hs queue to delete list	Not present	Rel-5	RBS7-112
- DCH quality target	Not present		RBS7-113
Frequency info	Not Present		RBS7-114
DTX-DRX timing information	Not Present	Rel-7	RBS7-115
DTX-DRX information	Not Present	Rel-7	RBS7-116
HS-SCCH less information	Not Present	Rel-7	RBS7-117
MIMO parameters	Not Present	Rel-7	RBS7-118
Maximum allowed UL TX power	30dBm		RBS7-119
CHOICE channel requirement	Uplink DPCH info		RBS7-120
Uplink DPCH info		Rel-6	RBS7-121
- Uplink DPCH power control info			RBS7-122
- CHOICE mode	TDD		RBS7-123
- UL target SIR	Not present		RBS7-124
- CHOICE UL OL PC info	Broadcast UL OL PC info		RBS7-125
- CHOICE mode	TDD		RBS7-126
- Uplink Timing Advance Control			RBS7-127
- CHOICE Timing Advance	Enabled		RBS7-128
- CHOICE TDD option	7.68 Mcps TDD	Rel-7	RBS7-129
- UL Timing Advance	Determined by observed timing deviation of the RACH at the node B		RBS7-130
- UL CCTrCH List	1 CCTrCh		RBS7-131
- TFCS Id	1		RBS7-132
- UL target SIR	+20dB		RBS7-133
- Activation time	Not present		RBS7-134
- Duration	Not present		RBS7-135
- Common timeslot info			RBS7-136
- 2nd interleaving mode	Reference to TS 34.122 clause C.2.1 Parameter Set		RBS7-137
- TFCI coding	Reference to TS 34.122 clause C.2.1 Parameter Set		RBS7-138
- Puncturing Limit	Reference to TS 34.122 clause C.2.1 Parameter Set		RBS7-139
- Repetition Period	1		RBS7-140
- Repetition Length	1		RBS7-141
- CHOICE mode	7.68 Mcps TDD	Rel-7	RBS7-142
- Uplink DPCH timeslots and codes VHCR		Rel-7	RBS7-143
- Dynamic SF usage	TRUE		RBS7-144
- Timeslot number	The number of an uplink timeslot that has unassigned codes.		RBS7-145
- TFCI existence	TRUE		RBS7-146
- Midamble shift and burst type			RBS7-147
- CHOICE TDD option	7.68 Mcps TDD	Rel-7	RBS7-148
- CHOICE Burst Type	Reference to TS 34.122 clause C.2.1 Parameter Set		RBS7-149
- Midamble Allocation Mode	Default		RBS7-150
- Midamble configuration	Choose lowest possible Kcell value given burst type		RBS7-151
- CHOICE TDD option	7.68 Mcps TDD	Rel-7	RBS7-152
- First timeslot Code List	Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS		RBS7-153

Information Element	Value/remark	Version	Index
- Channelisation code	34.122 clause C.2.1 Parameter Set. (i/SF) where i denotes an unassigned code matching the SF specified in TS 34.122 clause C.2.1 Parameter Set.		RBS7-154
- CHOICE more timeslots	The presence of this IE depends upon the number of resources specified in TS 34.122 clause C.2.1 Parameter Set and the number of slots in which they are being assigned.		RBS7-155
- UL CCTrCH List to Remove	Not present		RBS7-156
E-DCH Info	Not present	Rel-6	RBS7-157
Downlink HS-PDSCH Information		Rel-5	RBS7-158
- HS-SCCH Info		Rel-5	RBS7-159
- CHOICE mode	TDD	Rel-5	RBS7-160
- CHOICE TDD option	7.68 Mcps TDD	Rel-7	RBS7-161
- Ack-Nack Power Offset	0dB	Rel-5	RBS7-162
- HS-SICH Power Control Info		Rel-5	RBS7-163
- UL SIR target	0dB	Rel-5	RBS7-164
- HS-SICH Constant Value	-10dB	Rel-5	RBS7-165
- $D_{hs\text{-}sync}$	Not present	Rel-6	RBS7-166
- HS-SCCH Set Configuration	4	Rel-5	RBS7-167
- Timeslot number	The timeslot in which HS-SCCH is to be configured	Rel-5	RBS7-168
- Channelisation code	CC32/x where x is a previously unassigned channelisation code in this TS	Rel-7	RBS7-169
- Midamble Allocation mode	Default	Rel-5	RBS7-170
- Midamble configuration	8	Rel-5	RBS7-171
- BLER target	-2.4 (note that this equates to a BLER target of 0.4%, log10(0.004) = -2.4)	Rel-5	RBS7-172
- HS-SICH configuration			RBS7-173
- Timeslot number	The timeslot in which HS-SICH has been configured	Rel-5	RBS7-174
- Channelisation code	CC32/x where x is a previously unassigned channelisation code in this TS	Rel-7	RBS7-175
- Midamble Allocation mode	Default	Rel-5	RBS7-176
- Midamble configuration	8	Rel-5	RBS7-177
- Measurement Feedback Info		Rel-5	RBS7-178
- CHOICE mode	TDD	Rel-5	RBS7-179
- CHOICE TDD option	7.68 Mcps TDD	Rel-7	RBS7-180
- HS-PDSCH Timeslot Configuration VHCR		Rel-5	RBS7-181
- HS-PDSCH Timeslot Configuration List	Reference to TS 34.122 clause C.4.1 Parameter Set	Rel-5	RBS7-182
- Timeslot Number	The timeslot(s) in which HS-HS-DSCH is to configured	Rel-5	RBS7-183
- CHOICE Burst Type	Reference to TS 34.122 clause C.4.1 Parameter Set	Rel-5	RBS7-184
- Midamble Allocation Mode	Default	Rel-5	RBS7-185
- Midamble configuration burst type 1 and 3	8	Rel-5	RBS7-186
Downlink information common for all radio links	Not Present		RBS7-187
Downlink information for each radio link list	1		RBS7-188
- Downlink information for each radio link			RBS7-189
- Choice mode	7.68 Mcps TDD	Rel-7	RBS7-190
- Primary CCPCH info			RBS7-191
- Choice mode	TDD		RBS7-192
- CHOICE TDD option	7.68 Mcps TDD	Rel-7	RBS7-193
- CHOICE SyncCase	Sync Case 1		RBS7-194
- Timeslot	Set to Timeslot containing PCCPCH		RBS7-195
- Cell parameters ID	10		RBS7-196
- SCTD indicator	FALSE		RBS7-197
- CHOICE DPCH info	Downlink DPCH info for each RL		RBS7-198
- CHOICE mode	TDD		RBS7-199
- DL CCTrCH List	1 CCTrCh		RBS7-200
- TFCS ID	1		RBS7-201
- Activation time	Not Present		RBS7-202
- Duration	Not Present		RBS7-203
- Common timeslot info			RBS7-204
- 2nd interleaving mode	Reference to TS 34.122 clause C.3.1 Parameter Set		RBS7-205
- TFCI coding	Reference to TS 34.122 clause C.3.1 Parameter		RBS7-206

Information Element	Value/remark	Version	Index
	Set		
- Puncturing Limit	Reference to TS 34.122 clause C.3.1 Parameter Set		RBS7-207
- Repetition Period	Reference to TS 34.122 clause C.3.1 Parameter Set		RBS7-208
- Repetition Length	Reference to TS 34.122 clause C.3.1 Parameter Set		RBS7-209
- Downlink DPCH timeslots and codes VHCR		Rel-7	RBS7-210
- Individual timeslot info			RBS7-211
- Timeslot number	The number of a downlink timeslot that has unassigned codes.		RBS7-212
- TFCI existence	TRUE		RBS7-213
- Midamble shift and burst type			RBS7-214
- CHOICE TDD option	7.68 Mcps		RBS7-215
- CHOICE Burst Type	Reference to TS 34.122 clause C.3.1 Parameter Set		RBS7-216
- Midamble Allocation Mode	Default		RBS7-217
- Midamble configuration	Set Kcell to lowest possible value given the number of codes defined in TS 34.122 clause C.3.1 Parameter Set		RBS7-218
- CHOICE TDD option	7.68 Mcps	Rel-7	RBS7-219
- First timeslot channelisation codes VHCR		Rel-7	RBS7-220
- CHOICE codes representation	Consecutive codes		RBS7-221
- First channelisation code	(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in TS 34.122 clause C.3.1 Parameter Set.		RBS7-222
- Last channelisation code	(j/SF) where j is the highest numbered code that is being assigned in the slot as specified in TS 34.122 clause C.3.1 Parameter Set.		RBS7-223
- CHOICE more timeslots	The presence of this IE depends upon whether the requirements of TS 34.122 clause C.3.1 Parameter Set could be met by the codes that have been assigned in the first timeslot.		RBS7-224
- UL CCTrCH TPC List	No Present		RBS7-225
- DL CCTrCH List to Remove	Not Present		RBS7-226
- E-AGCH Info	Not Present	Rel-6	RBS7-227
- CHOICE E-HICH Information	Not Present	Rel-6	RBS7-228
- CHOICE E-RGCH Information	Not Present	Rel-6	RBS7-229
MBMS PL Service Restriction Information	Not Present	Rel-6	RBS7-230

Contents of RADIO BEARER SETUP message: AM or UM (E-DCH and HSDPA) (3.84Mcps TDD)

Information Element	Value/remark	Version	Index
Message Type			RBSE3-001
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3		RBSE3-002
Integrity check info			RBSE3-003
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.		RBSE3-004
- RRC message sequence number	SS provides the value of this IE, from its internal counter.		RBSE3-005
Integrity protection mode info	Not Present		RBSE3-006
Ciphering mode info	Not Present		RBSE3-007
Activation time	Not Present		RBSE3-008
New U-RNTI	Not Present		RBSE3-009
New C-RNTI	Not Present		RBSE3-010
New H-RNTI	'1010 1010 1010 1010'	Rel-5	RBSE3-011
New Primary E-RNTI	'1010 1010 1010 1010'	Rel-6	RBSE3-012
New Secondary E-RNTI	Not Present	Rel-6	RBSE3-013
RRC State indicator	CELL_DCH		RBSE3-014
UTRAN DRX cycle length coefficient	Not Present		RBSE3-015
CN information info	Not Present		RBSE3-016
URA identity	Not Present		RBSE3-017
CHOICE specification mode	Complete specification	Rel-6	RBSE3-018
Signalling RB information to setup	Not Present		RBSE3-019

Information Element	Value/remark	Version	Index
RAB information for setup list			RBSE3-020
- RAB information for setup			RBSE3-021
- RAB info	(high-speed UM DTCH for PS domain)		RBSE3-022
- RAB identity	0000 0110B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.		RBSE3-023
- CN domain identity	PS domain		RBSE3-024
- NAS Synchronization Indicator	Not Present		RBSE3-025
- Re-establishment timer	UseT315		RBSE3-026
- RB information to setup			RBSE3-027
- RB identity	25		RBSE3-028
- PDCP info	Not Present		RBSE3-029
- CHOICE RLC info type	RLC info		RBSE3-030
- CHOICE Uplink RLC mode	Not Present		RBSE3-031
- CHOICE Downlink RLC mode	UM RLC		RBSE3-032
- DL UM RLC LI size	7	Rel-5	RBSE3-033
- One sided RLC re-establishment	FALSE	Rel-5	RBSE3-034
- RB mapping info			RBSE3-035
- Information for each multiplexing option	1 RBMuxOptions		RBSE3-036
- RLC logical channel mapping indicator	Not Present		RBSE3-037
- Downlink RLC logical channel info			RBSE3-038
- Number of downlink RLC logical channels	1		RBSE3-039
- Downlink transport channel type	HS-DSCH		RBSE3-040
- DL DCH Transport channel identity	Not Present		RBSE3-041
- DL DSCH Transport channel identity	Not Present		RBSE3-042
- DL HS-DSCH MAC-d flow identity	0		RBSE3-043
- Logical channel identity	Not Present		RBSE3-044
RB information to reconfigure list	Not Present	Rel-6	RBSE3-045
RB information to be affected list	Not Present		RBSE3-046
Downlink counter synchronization info	Not Present		RBSE3-047
PDCP ROHC target mode	Not Present	Rel-5	RBSE3-048
UL Transport channel information for all transport channels	Not Present		RBSE3-049
Deleted UL TrCH information list	Not Present		RBSE3-050
Added or Reconfigured TrCH information list			RBSE3-051
- Uplink transport channel type	E-DCH		RBSE3-052
- CHOICE UL parameters	E-DCH		RBSE3-053
- CHOICE mode	TDD		RBSE3-054
- HARQ info for E-DCH			RBSE3-055
- CHOICE UL parameters	E-DCH		RBSE3-056
- HARQ RV Configuration	rvtable		RBSE3-057
- Added or reconfigured E-DCH MAC-d flow			RBSE3-058
- E-DCH MAC-d flow identity	2		RBSE3-059
- E-DCH MAC-d flow power offset	0		RBSE3-060
- E-DCH MAC-d flow maximum number of retransmissions	7		RBSE3-061
- E-DCH MAC-d flow multiplexing list	Not Present		RBSE3-062
- CHOICE transmission grant type	Scheduled grant info		RBSE3-063
CHOICE mode	Not Present	R99 and Rel-4 only	RBSE3-064
DL Transport channel information common for all transport channel	Not Present		RBSE3-065
Deleted DL TrCH information	Not Present		RBSE3-066
Added or Reconfigured DL TrCH information list	1 TrCHs added		RBSE3-067
- Added or Reconfigured DL TrCH information			RBSE3-068
- Downlink transport channel type	HS-DSCH	Rel-5	RBSE3-069
- DL Transport channel identity	Not Present		RBSE3-070
- CHOICE DL parameters	HS-DSCH	Rel-5	RBSE3-071
- HARQ Info		Rel-5	RBSE3-072
- Number of Processes	Reference to TS34.122 Annex C Fixed Reference Channels	Rel-5	RBSE3-073
- CHOICE *Memory Partitioning*	Explicit	Rel-5	RBSE3-074
- Memory size	Reference to TS34.122 Annex C Fixed Reference Channels	Rel-5	RBSE3-075
- Process Memory Size	Reference to TS34.122 Annex C Fixed Reference Channels	Rel-5	RBSE3-076

Information Element	Value/remark	Version	Index
- Added or reconfigured MAC-d flow		Rel-5	RBSE3-077
- MAC-hs queue to add or reconfigure list	(one queue)	Rel-5	RBSE3-078
- MAC-hs queue Id	0	Rel-5	RBSE3-079
- MAC-d Flow Identity	0	Rel-5	RBSE3-080
- T1	50	Rel-5	RBSE3-081
- MAC-hs window size	16	Rel-5	RBSE3-082
- MAC-d PDU size Info		Rel-5	RBSE3-083
- MAC-d PDU size	Reference to TS34.122 [2] Annex C Fixed Reference Channels	Rel-5	RBSE3-084
- MAC-d PDU size index	0	Rel-5	RBSE3-085
- MAC-hs queue to delete list	Not present	Rel-5	RBSE3-086
- DCH quality target	Not present		RBSE3-087
Frequency info	Not Present		RBSE3-088
Maximum allowed UL TX power	30dBm		RBSE3-089
CHOICE channel requirement	Uplink DPCH info		RBSE3-090
Uplink DPCH info		Rel-6	RBSE3-091
- Uplink DPCH power control info			RBSE3-092
- CHOICE mode	TDD		RBSE3-093
- UL target SIR	Not present		RBSE3-094
- CHOICE UL OL PC info	Broadcast UL OL PC info		RBSE3-095
- CHOICE mode	TDD		RBSE3-096
- Uplink Timing Advance Control			RBSE3-097
- CHOICE Timing Advance	Enabled		RBSE3-098
- CHOICE TDD option	3.84 Mcps TDD		RBSE3-099
- UL Timing Advance	Determined by observed timing deviation of the RACH at the node B		RBSE3-100
- UL CCTrCH List	1 CCTrCh		RBSE3-101
- TFCS Id	1		RBSE3-102
- UL target SIR	+20dB		RBSE3-103
- Activation time	Not present		RBSE3-104
- Duration	Not present		RBSE3-105
- Common timeslot info			RBSE3-106
- 2nd interleaving mode	Reference to TS 34.122 clause C.2.1 Parameter Set		RBSE3-107
- TFCI coding	Reference to TS 34.122 clause C.2.1 Parameter Set		RBSE3-108
- Puncturing Limit	Reference to TS 34.122 clause C.2.1 Parameter Set		RBSE3-109
- Repetition Period	1		RBSE3-110
- Repetition Length	1		RBSE3-111
- Uplink DPCH timeslots and codes			RBSE3-112
- Dynamic SF usage	TRUE		RBSE3-113
- Timeslot number	The number of an uplink timeslot that has unassigned codes.		RBSE3-114
- TFCI existence	TRUE		RBSE3-115
- Midamble shift and burst type			RBSE3-116
- CHOICE TDD option	3.84 Mcps		RBSE3-117
- CHOICE Burst Type	Reference to TS 34.122 clause C.2.1 Parameter Set		RBSE3-118
- Midamble Allocation Mode	Default		RBSE3-119
- Midamble configuration	Choose lowest possible Kcell value given burst type		RBSE3-120
- CHOICE TDD option	3.84 Mcps TDD		RBSE3-121
- First timeslot Code List	Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS 34.122 clause C.2.1 Parameter Set.		RBSE3-122
- Channelisation code	(i/SF) where i denotes an unassigned code matching the SF specified in TS 34.122 clause C.2.1 Parameter Set.		RBSE3-123
- CHOICE more timeslots	The presence of this IE depends upon the number of resources specified in TS 34.122 clause C.2.1 Parameter Set and the number of slots in which they are being assigned.		RBSE3-124
- UL CCTrCH List to Remove	Not present		RBSE3-125
E-DCH Info		Rel-6	RBSE3-126
- MAC-es/e reset indicator	TRUE		RBSE3-127
- CHOICE mode	TDD		RBSE3-128

Information Element	Value/remark	Version	Index
- CHOICE TDD mode	3.84 TDD		RBSE3-129
- E-RUCCH info			RBSE3-130
- E-RUCCH constant value	0dB		RBSE3-131
- E-RUCCH persistence scaling	0.9		RBSE3-132
- T-RUCCH	100ms		RBSE3-133
- E-RUCCH timeslot number	Not Present		RBSE3-134
- E-RUCCH midamble	Not Present		RBSE3-135
- T-adv	Not Present		RBSE3-136
- T-SCHED	Not Present		RBSE3-137
- CHOICE TDD option	3.84Mcps TDD		RBSE3-138
- CHOICE SF	Not present		RBSE3-139
- E-PUCH info			RBSE3-140
- E-TFCS information			RBSE3-141
- Reference Beta Information QPSK list	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE3-142
- Reference Code Rate	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE3-143
- Reference beta	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE3-144
- Reference Beta Information 16QAM list	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE3-145
- Reference Code Rate	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE3-146
- Reference beta	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE3-147
- CHOICE TDD mode	3.84Mcps TDD		RBSE3-148
- $N_{E\text{-}UCCH}$	Not Present		RBSE3-149
- E-PUCH constant value	0dB		RBSE3-150
- E-PUCH TS configuration list	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE3-151
- TS number	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE3-152
- CHOICE *Burst Type*	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE3-153
- Midamble configuration	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE3-154
- E-PUCH code hopping	TRUE		RBSE3-155
- E-PUCH TPC step size	1dB		RBSE3-156
- Minimum allowed code rate	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE3-157
- Maximum allowed code rate	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE3-158
Downlink HS-PDSCH Information		Rel-5	RBSE3-159
- HS-SCCH Info		Rel-5	RBSE3-160
- CHOICE mode	TDD	Rel-5	RBSE3-161
- CHOICE TDD option	3.84 Mcps TDD	Rel-5	RBSE3-162
- Ack-Nack Power Offset	0dB	Rel-5	RBSE3-163
- HS-SICH Power Control Info		Rel-5	RBSE3-164
- UL SIR target	0dB	Rel-5	RBSE3-165
- HS-SICH Constant Value	-10dB	Rel-5	RBSE3-166
- $D_{hs\text{-}sync}$	Not present	Rel-6	RBSE3-167
- HS-SCCH Set Configuration	4	Rel-5	RBSE3-168
- Timeslot number	The timeslot in which HS-SCCH is to be configured	Rel-5	RBSE3-169
- Channelisation code	CC16/x where x is a previously unassigned channelisation code in this TS	Rel-5	RBSE3-170
- Midamble Allocation mode	Default	Rel-5	RBSE3-171
- Midamble configuration	8	Rel-5	RBSE3-172
- BLER target	-2.4 (note that this equates to a BLER target of 0.4%, log10(0.004) = -2.4)	Rel-5	RBSE3-173
- HS-SICH configuration			RBSE3-174
- Timeslot number	The timeslot in which HS-SICH has been configured	Rel-5	RBSE3-175
- Channelisation code	CC16/x where x is a previously unassigned channelisation code in this TS	Rel-5	RBSE3-176
- Midamble Allocation mode	Default	Rel-5	RBSE3-177
- Midamble configuration	8	Rel-5	RBSE3-178

Information Element	Value/remark	Version	Index
- Measurement Feedback Info		Rel-5	RBSE3-179
- CHOICE mode	TDD	Rel-5	RBSE3-180
- CHOICE TDD option	3.84 Mcps TDD	Rel-5	RBSE3-181
- HS-PDSCH Timeslot Configuration		Rel-5	RBSE3-182
- HS-PDSCH Timeslot Configuration List	Reference to TS 34.122 clause C.4.1 Parameter Set	Rel-5	RBSE3-183
- Timeslot Number	The timeslot(s) in which HS-HS-DSCH is to configured	Rel-5	RBSE3-184
- CHOICE Burst Type	Reference to TS 34.122 clause C.4.1 Parameter Set	Rel-5	RBSE3-185
- Midamble Allocation Mode	Default	Rel-5	RBSE3-186
- Midamble configuration burst type 1 and 3	8	Rel-5	RBSE3-187
Downlink information common for all radio links	Not Present		RBSE3-188
Downlink information per radio link list	1		RBSE3-189
- Downlink information for each radio link			RBSE3-190
- Choice mode	TDD		RBSE3-191
- Primary CCPCH info			RBSE3-192
- Choice mode	TDD		RBSE3-193
- CHOICE TDD option	3.84 Mcps TDD		RBSE3-194
- CHOICE SyncCase	Sync Case 1		RBSE3-195
- Timeslot	Set to Timeslot containing PCCPCH		RBSE3-196
- Cell parameters ID	10		RBSE3-197
- SCTD indicator	FALSE		RBSE3-198
- CHOICE DPCH info	Downlink DPCH info for each RL		RBSE3-199

Contents of RADIO BEARER SETUP message: AM or UM (E-DCH and HSDPA) (7.68Mcps TDD)

Information Element	Value/remark	Version	Index
Message Type			RBSE7-001
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3		RBSE7-002
Integrity check info			RBSE7-003
- message authentication code	SS calculates the value of MAC-I for this message and writes to this IE. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.		RBSE7-004
- RRC message sequence number	SS provides the value of this IE, from its internal counter.		RBSE7-005
Integrity protection mode info	Not Present		RBSE7-006
Ciphering mode info	Not Present		RBSE7-007
Activation time	Not Present		RBSE7-008
New U-RNTI	Not Present		RBSE7-009
New C-RNTI	Not Present		RBSE7-010
New H-RNTI	'1010 1010 1010 1010'	Rel-5	RBSE7-011
New Primary E-RNTI	'1010 1010 1010 1010'	Rel-6	RBSE7-012
New Secondary E-RNTI	Not Present	Rel-6	RBSE7-013
RRC State indicator	CELL_DCH		RBSE7-014
UTRAN DRX cycle length coefficient	Not Present		RBSE7-015
CN information info	Not Present		RBSE7-016
URA identity	Not Present		RBSE7-017
CHOICE specification mode	Complete specification	Rel-6	RBSE7-018
Signalling RB information to setup	Not Present		RBSE7-019
RAB information for setup list			RBSE7-020
- RAB information for setup			RBSE7-021
- RAB info	(high-speed UM DTCH for PS domain)		RBSE7-022
- RAB identity	0000 0110B The first/ leftmost bit of the bit string contains the most significant bit of the RAB identity.		RBSE7-023
- CN domain identity	PS domain		RBSE7-024
- NAS Synchronization Indicator	Not Present		RBSE7-025
- Re-establishment timer	UseT315		RBSE7-026
- RB information to setup			RBSE7-027
- RB identity	25		RBSE7-028
- PDCP info	Not Present		RBSE7-029
- CHOICE RLC info type	RLC info		RBSE7-030
- CHOICE Uplink RLC mode	Not Present		RBSE7-031
- CHOICE Downlink RLC mode	UM RLC		RBSE7-032

Information Element	Value/remark	Version	Index
- DL UM RLC LI size	7	Rel-5	RBSE7-033
- One sided RLC re-establishment	FALSE	Rel-5	RBSE7-034
- RB mapping info			RBSE7-035
- Information for each multiplexing option	1 RBMuxOptions		RBSE7-036
- RLC logical channel mapping indicator	Not Present		RBSE7-037
- Downlink RLC logical channel info			RBSE7-038
- Number of downlink RLC logical channels	1		RBSE7-039
- Downlink transport channel type	HS-DSCH		RBSE7-040
- DL DCH Transport channel identity	Not Present		RBSE7-041
- DL DSCH Transport channel identity	Not Present		RBSE7-042
- DL HS-DSCH MAC-d flow identity	0		RBSE7-043
- Logical channel identity	Not Present		RBSE7-044
RB information to reconfigure list	Not Present	Rel-6	RBSE7-045
RB information to be affected list	Not Present		RBSE7-046
Downlink counter synchronization info	Not Present		RBSE7-047
PDCP ROHC target mode	Not Present	Rel-5	RBSE7-048
UL Transport channel information for all transport channels	Not Present		RBSE7-049
Deleted UL TrCH information list	Not Present		RBSE7-050
Added or Reconfigured TrCH information list			RBSE7-051
- Uplink transport channel type	E-DCH		RBSE7-052
- CHOICE UL parameters	E-DCH		RBSE7-053
- CHOICE mode	TDD		RBSE7-054
- HARQ info for E-DCH			RBSE7-055
- CHOICE UL parameters	E-DCH		RBSE7-056
- HARQ RV Configuration	rvtable		RBSE7-057
- Added or reconfigured E-DCH MAC-d flow			RBSE7-058
- E-DCH MAC-d flow identity	2		RBSE7-059
- E-DCH MAC-d flow power offset	0		RBSE7-060
- E-DCH MAC-d flow maximum number of retransmissions	7		RBSE7-061
- E-DCH MAC-d flow multiplexing list	Not Present		RBSE7-062
- CHOICE transmission grant type	Scheduled grant info		RBSE7-063
CHOICE mode	Not Present	R99 and Rel-4 only	RBSE7-064
DL Transport channel information common for all transport channel	Not Present		RBSE7-065
Deleted DL TrCH information	Not Present		RBSE7-066
Added or Reconfigured DL TrCH information list	1 TrCHs added		RBSE7-067
- Added or Reconfigured DL TrCH information			RBSE7-068
- Downlink transport channel type	HS-DSCH	Rel-5	RBSE7-069
- DL Transport channel identity	Not Present		RBSE7-070
- CHOICE DL parameters	HS-DSCH	Rel-5	RBSE7-071
- HARQ Info		Rel-5	RBSE7-072
- Number of Processes	Reference to TS34.122 Annex C Fixed Reference Channels	Rel-5	RBSE7-073
- CHOICE *Memory Partitioning*	Explicit	Rel-5	RBSE7-074
- Memory size	Reference to TS34.122 Annex C Fixed Reference Channels	Rel-5	RBSE7-075
- Process Memory Size	Reference to TS34.122 Annex C Fixed Reference Channels	Rel-5	RBSE7-076
- Added or reconfigured MAC-d flow		Rel-5	RBSE7-077
- MAC-hs queue to add or reconfigure list	(one queue)	Rel-5	RBSE7-078
- MAC-hs queue Id	0	Rel-5	RBSE7-079
- MAC-d Flow Identity	0	Rel-5	RBSE7-080
- T1	50	Rel-5	RBSE7-081
- MAC-hs window size	16	Rel-5	RBSE7-082
- MAC-d PDU size Info		Rel-5	RBSE7-083
- MAC-d PDU size	Reference to TS34.122 Annex C Fixed Reference Channels	Rel-5	RBSE7-084
- MAC-d PDU size index	0	Rel-5	RBSE7-085
- MAC-hs queue to delete list	Not present	Rel-5	RBSE7-086
- DCH quality target	Not present		RBSE7-087
Frequency info	Not Present		RBSE7-088
Maximum allowed UL TX power	30dBm		RBSE7-089
CHOICE channel requirement	Uplink DPCH info		RBSE7-090

Information Element	Value/remark	Version	Index
Uplink DPCH info		Rel-6	RBSE7-091
- Uplink DPCH power control info			RBSE7-092
- CHOICE mode	TDD		RBSE7-093
- UL target SIR	Not present		RBSE7-094
- CHOICE UL OL PC info	Broadcast UL OL PC info		RBSE7-095
- CHOICE mode	TDD		RBSE7-096
- Uplink Timing Advance Control			RBSE7-097
- CHOICE Timing Advance	Enabled		RBSE7-098
- CHOICE TDD option	7.68 Mcps TDD		RBSE7-099
- UL Timing Advance	Determined by observed timing deviation of the RACH at the node B		RBSE7-100
- UL CCTrCH List	1 CCTrCh		RBSE7-101
- TFCS Id	1		RBSE7-102
- UL target SIR	+20dB		RBSE7-103
- Activation time	Not present		RBSE7-104
- Duration	Not present		RBSE7-105
- Common timeslot info			RBSE7-106
- 2nd interleaving mode	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE7-107
- TFCI coding	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE7-108
- Puncturing Limit	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE7-109
- Repetition Period	1		RBSE7-110
- Repetition Length	1		RBSE7-111
- Uplink DPCH timeslots and codes			RBSE7-112
- Dynamic SF usage	TRUE		RBSE7-113
- Timeslot number	The number of an uplink timeslot that has unassigned codes.		RBSE7-114
- TFCI existence	TRUE		RBSE7-115
- Midamble shift and burst type			RBSE7-116
- CHOICE TDD option	7.68 Mcps		RBSE7-117
- CHOICE Burst Type	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE7-118
- Midamble Allocation Mode	Default		RBSE7-119
- Midamble configuration	Choose lowest possible Kcell value given burst type		RBSE7-120
- CHOICE TDD option	7.68 Mcps TDD		RBSE7-121
- First timeslot Code List	Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of TS 34.122 clause C Parameter Set.		RBSE7-122
- Channelisation code	(i/SF) where i denotes an unassigned code matching the SF specified in TS 34.122 clause C Parameter Set.		RBSE7-123
- CHOICE more timeslots	The presence of this IE depends upon the number of resources specified in TS 34.122 clause C Parameter Set and the number of slots in which they are being assigned.		RBSE7-124
- UL CCTrCH List to Remove	Not present		RBSE7-125
E-DCH Info		Rel-6	RBSE7-126
- MAC-es/e reset indicator	TRUE		RBSE7-127
- CHOICE mode	TDD		RBSE7-128
- CHOICE TDD mode	7.68 TDD		RBSE7-129
- E-RUCCH info			RBSE7-130
- E-RUCCH constant value	0dB		RBSE7-131
- E-RUCCH persistence scaling	0.9		RBSE7-132
- T-RUCCH	100ms		RBSE7-133
- E-RUCCH timeslot number	Not Present		RBSE7-134
- E-RUCCH midamble	Not Present		RBSE7-135
- T-adv	Not Present		RBSE7-136
- T-SCHED	Not Present		RBSE7-137
- CHOICE TDD option	7.68Mcps TDD		RBSE7-138
- CHOICE SF	Not present		RBSE7-139
- E-PUCH info			RBSE7-140
- E-TFCS information			RBSE7-141
- Reference Beta Information QPSK list	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE7-142

Information Element	Value/remark	Version	Index
- Reference Code Rate	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE7-143
- Reference beta	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE7-144
- Reference Beta Information 16QAM list	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE7-145
- Reference Code Rate	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE7-146
- Reference beta	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE7-147
- CHOICE TDD mode	7.68Mcps TDD		RBSE7-148
- $N_{E\text{-}UCCH}$	Not Present		RBSE7-149
- E-PUCH constant value	0dB		RBSE7-150
- E-PUCH TS configuration list	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE7-151
- TS number	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE7-152
- CHOICE *Burst Type*	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE7-153
- Midamble configuration	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE7-154
- E-PUCH code hopping	TRUE		RBSE7-155
- E-PUCH TPC step size	1dB		RBSE7-156
- Minimum allowed code rate	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE7-157
- Maximum allowed code rate	Reference to TS34.122 Annex C Fixed Reference Channels		RBSE7-158
Downlink HS-PDSCH Information		Rel-5	RBSE7-159
- HS-SCCH Info		Rel-5	RBSE7-160
- CHOICE mode	TDD	Rel-5	RBSE7-161
- CHOICE TDD option	7.68 Mcps TDD	Rel-5	RBSE7-162
- Ack-Nack Power Offset	0dB	Rel-5	RBSE7-163
- HS-SICH Power Control Info		Rel-5	RBSE7-164
- UL SIR target	0dB	Rel-5	RBSE7-165
- HS-SICH Constant Value	-10dB	Rel-5	RBSE7-166
- $D_{hs\text{-}sync}$	Not present	Rel-6	RBSE7-167
- HS-SCCH Set Configuration	4	Rel-5	RBSE7-168
- Timeslot number	The timeslot in which HS-SCCH is to be configured	Rel-5	RBSE7-169
- Channelisation code	CC32/x where x is a previously unassigned channelisation code in this TS	Rel-5	RBSE7-170
- Midamble Allocation mode	Default	Rel-5	RBSE7-171
- Midamble configuration	8	Rel-5	RBSE7-172
- BLER target	-2.4 (note that this equates to a BLER target of 0.4%, log10(0.004) = -2.4)	Rel-5	RBSE7-173
- HS-SICH configuration			RBSE7-174
- Timeslot number	The timeslot in which HS-SICH has been configured	Rel-5	RBSE7-175
- Channelisation code	CC32/x where x is a previously unassigned channelisation code in this TS	Rel-5	RBSE7-176
- Midamble Allocation mode	Default	Rel-5	RBSE7-177
- Midamble configuration	8	Rel-5	RBSE7-178
- Measurement Feedback Info		Rel-5	RBSE7-179
- CHOICE mode	TDD	Rel-5	RBSE7-180
- CHOICE TDD option	7.68 Mcps TDD	Rel-5	RBSE7-181
- HS-PDSCH Timeslot Configuration		Rel-5	RBSE7-182
- HS-PDSCH Timeslot Configuration List	Reference to TS 34.122 clause C.4.1 Parameter Set	Rel-5	RBSE7-183
- Timeslot Number	The timeslot(s) in which HS-HS-DSCH is to configured	Rel-5	RBSE7-184
- CHOICE Burst Type	Reference to TS 34.122 clause C.4.1 Parameter Set	Rel-5	RBSE7-185
- Midamble Allocation Mode	Default	Rel-5	RBSE7-186
- Midamble configuration burst type 1 and 3	8	Rel-5	RBSE7-187
Downlink information common for all radio links	Not Present		RBSE7-188
Downlink information per radio link list	1		RBSE7-189
- Downlink information for each radio link			RBSE7-190
- Choice mode	TDD		RBSE7-191

Information Element	Value/remark	Version	Index
- Primary CCPCH info			RBSE7-192
- Choice mode	TDD		RBSE7-193
- CHOICE TDD option	7.68 Mcps TDD		RBSE7-194
- CHOICE SyncCase	Sync Case 1		RBSE7-195
- Timeslot	Set to Timeslot containing PCCPCH		RBSE7-196
- Cell parameters ID	10		RBSE7-197
- SCTD indicator	FALSE		RBSE7-198
- CHOICE DPCH info	Downlink DPCH info for each RL		RBSE7-199

Contents of RRC CONNECTION RELEASE message: UM

Information Element	Value/remark	Version
Message Type		
U-RNTI	This IE is set to the following value when the message is transmitted on the DCCCH. When transmitted on CDCCH, this is absent.	R99, Rel-4
- SRNC identity	0000 0000 0001B	
- S-RNTI	0000 0000 0000 0000 0001B	
CHOICE identity type	This IE is set to the following value when the message is transmitted on the CCCH. When transmitted on DCCH, this is absent.	Rel-5
- U-RNTI		
- SRNC identity	0000 0000 0001B	
- S-RNTI	0000 0000 0000 0000 0001B	
- Group identity	[FFS]	
- Group release information	[FFS]	
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3	
Integrity check info	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. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.	
- 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 (3.84 Mcps TDD)

Information Element	Value/remark	Version	Index
Message Type			RCS3-001
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in received RRC CONNECTION REQUEST" message		RCS3-002
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3		RCS3-003
Activation time	Not Present(Now)		RCS3-004
New U-RNTI			RCS3-005
- SRNC identity	0000 0000 0001B		RCS3-006
- S-RNTI	0000 0000 0000 0000 0001B		RCS3-007
New C-RNTI	Not Present		RCS3-008
RRC State Indicator	CELL_DCH		RCS3-009
UTRAN DRX cycle length coefficient	9		RCS3-010
Capability update requirement			RCS3-011
- UE radio access FDD capability update requirement	FALSE		RCS3-012
- UE radio access TDD capability update requirement	TRUE		RCS3-013
- System specific capability update requirement list	GSM		RCS3-014
CHOICE *specification mode*	Complete specification	Rel-5	RCS3-015
- Complete specification		Rel-5	RCS3-016
- Signalling RB information to setup list	4 SRBs		RCS3-017

Information Element	Value/remark	Version	Index
- Signalling RB information to setup	(UM DCCH for RRC)		RCS3-018
- RB identity	Not Present		RCS3-019
- CHOICE RLC info type	RLC info		RCS3-020
- CHOICE Uplink RLC mode	UM RLC		RCS3-021
- Transmission RLC discard	Not Present		RCS3-022
- CHOICE Downlink RLC mode	UM RLC		RCS3-023
- RB mapping info			RCS3-024
- Information for each multiplexing option	2 RBMuxOptions		RCS3-025
- RLC logical channel mapping indicator	Not Present		RCS3-026
- Number of RLC logical channels	1		RCS3-027
- Uplink transport channel type	DCH		RCS3-028
- UL Transport channel identity	5		RCS3-029
- Logical channel identity	1		RCS3-030
- CHOICE RLC size list	Configured		RCS3-031
- MAC logical channel priority	1		RCS3-032
- Downlink RLC logical channel info			RCS3-033
- Number of RLC logical channels	1		RCS3-034
- Downlink transport channel type	DCH		RCS3-035
- DL DCH Transport channel identity	10		RCS3-036
- DL DSCH Transport channel identity	Not Present		RCS3-037
- Logical channel identity	1		RCS3-038
- RLC logical channel mapping indicator	Not Present		RCS3-039
- Number of RLC logical channels	1		RCS3-040
- Uplink transport channel type	RACH		RCS3-041
- UL Transport channel identity	Not Present		RCS3-042
- Logical channel identity	1		RCS3-043
- CHOICE RLC size list	Configured		RCS3-044
- RLC size index	Reference to clause 6 Parameter Set		RCS3-045
- MAC logical channel priority	1		RCS3-046
- Downlink RLC logical channel info			RCS3-047
- Number of RLC logical channels	1		RCS3-048
- Downlink transport channel type	FACH		RCS3-049
- DL DCH Transport channel identity	Not Present		RCS3-050
- DL DSCH Transport channel identity	Not Present		RCS3-051
- Logical channel identity	1		RCS3-052
- Signalling RB information to setup	(AM DCCH for RRC)		RCS3-053
- RB identity	Not Present		RCS3-054
- CHOICE RLC info type			RCS3-055
- RLC info			RCS3-056
- CHOICE Uplink RLC mode	AM RLC		RCS3-057
- Transmission RLC discard			RCS3-058
- SDU discard mode	No Discard		RCS3-059
- MAX_DAT	415		RCS3-060
- Transmission window size	128		RCS3-061
- Timer_RST	500		RCS3-062
- Max_RST	4		RCS3-063
- Polling info			RCS3-064
- Timer_poll_prohibit	200		RCS3-065
- Timer_poll	200		RCS3-066
- Poll_PDU	Not Present		RCS3-067
- Poll_SDU	1		RCS3-068
- Last transmission PDU poll	TRUE		RCS3-069
- Last retransmission PDU poll	TRUE		RCS3-070
- Poll_Windows	99		RCS3-071
- Timer_poll_periodic	Not Present		RCS3-072
- CHOICE Downlink RLC mode	AM RLC		RCS3-073
- In-sequence delivery	TRUE		RCS3-074
- Receiving window size	128		RCS3-075
- Downlink RLC status info			RCS3-076
- Timer_status_prohibit	200		RCS3-077
- Timer_EPC	Not Present		RCS3-078
- Missing PDU indicator	TRUE		RCS3-079
- Timer_STATUS_periodic	Not Present		RCS3-080
- RB mapping info			RCS3-081
- Information for each multiplexing option	2 RBMuxOptions		RCS3-082
- RLC logical channel mapping indicator	Not Present		RCS3-083
- Number of RLC logical channels	1		RCS3-084

Information Element	Value/remark	Version	Index
- Uplink transport channel type	DCH		RCS3-085
- UL Transport channel identity	5		RCS3-086
- Logical channel identity	2		RCS3-087
- CHOICE RLC size list	Configured		RCS3-088
- MAC logical channel priority	2		RCS3-089
- Downlink RLC logical channel info			RCS3-090
- Number of RLC logical channels	1		RCS3-091
- Downlink transport channel type	DCH		RCS3-092
- DL DCH Transport channel identity	10		RCS3-093
- DL DSCH Transport channel identity	Not Present		RCS3-094
- Logical channel identity	2		RCS3-095
- RLC logical channel mapping indicator	Not Present		RCS3-096
- Number of RLC logical channels	1		RCS3-097
- Uplink transport channel type	RACH		RCS3-098
- UL Transport channel identity	Not Present		RCS3-099
- Logical channel identity	2		RCS3-100
- CHOICE RLC size list	Explicit List		RCS3-101
- RLC size index	Reference to clause 6 Parameter Set		RCS3-102
- MAC logical channel priority	2		RCS3-103
- Downlink RLC logical channel info			RCS3-104
- Number of RLC logical channels	1		RCS3-105
- Downlink transport channel type	FACH		RCS3-106
- DL DCH Transport channel identity	Not Present		RCS3-107
- DL DSCH Transport channel identity	Not Present		RCS3-108
- Logical channel identity	2		RCS3-109
- Signalling RB information to setup	(AM DCCH for NAS_DT High priority)		RCS3-110
- RB identity	Not Present		RCS3-111
- CHOICE RLC info type			RCS3-112
- RLC info			RCS3-113
- CHOICE Uplink RLC mode	AM RLC		RCS3-114
- Transmission RLC discard			RCS3-115
- SDU discard mode	No Discard		RCS3-116
- MAX_DAT	415		RCS3-117
- Transmission window size	128		RCS3-118
- Timer_RST	500		RCS3-119
- Max_RST	4		RCS3-120
- Polling info			RCS3-121
- Timer_poll_prohibit	200		RCS3-122
- Timer_poll	200		RCS3-123
- Poll_PDU	Not Present		RCS3-124
- Poll_SDU	1		RCS3-125
- Last transmission PDU poll	TRUE		RCS3-126
- Last retransmission PDU poll	TRUE		RCS3-127
- Poll_Windows	99		RCS3-128
- Timer_poll_periodic	Not Present		RCS3-129
- CHOICE Downlink RLC mode	AM RLC		RCS3-130
- In-sequence delivery	TRUE		RCS3-131
- Receiving window size	128		RCS3-132
- Downlink RLC status info			RCS3-133
- Timer_status_prohibit	200		RCS3-134
- Timer_EPC	Not Present		RCS3-135
- Missing PDU indicator	TRUE		RCS3-136
- Timer_STATUS_periodic	Not Present		RCS3-137
- RB mapping info			RCS3-138
- Information for each multiplexing option	2 RBMuxOptions		RCS3-139
- RLC logical channel mapping indicator	Not Present		RCS3-140
- Number of RLC logical channels	1		RCS3-141
- Uplink transport channel type	DCH		RCS3-142
-UL Transport channel identity	5		RCS3-143
- Logical channel identity	3		RCS3-144
- CHOICE RLC size list	Configured		RCS3-145
- MAC logical channel priority	3		RCS3-146
- Downlink RLC logical channel info			RCS3-147
- Number of RLC logical channels	1		RCS3-148
- Downlink transport channel type	DCH		RCS3-149
- DL DCH Transport channel identity	10		RCS3-150
- DL DSCH Transport channel identity	Not Present		RCS3-151

Information Element	Value/remark	Version	Index
- Logical channel identity	3		RCS3-152
- RLC logical channel mapping indicator	Not Present		RCS3-153
- Number of RLC logical channels	1		RCS3-154
- Uplink transport channel type	RACH		RCS3-155
- UL Transport channel identity	Not Present		RCS3-156
- Logical channel identity	3		RCS3-157
- CHOICE RLC size list	Explicit List		RCS3-158
- RLC size index	Reference to clause 6 Parameter Set		RCS3-159
- MAC logical channel priority	3		RCS3-160
- Downlink RLC logical channel info			RCS3-161
- Number of RLC logical channels	1		RCS3-162
- Downlink transport channel type	FACH		RCS3-163
- DL DCH Transport channel identity	Not Present		RCS3-164
- DL DSCH Transport channel identity	Not Present		RCS3-165
- Logical channel identity	3		RCS3-166
- Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)		RCS3-167
- RB identity	Not Present		RCS3-168
- CHOICE RLC info type			RCS3-169
- RLC info			RCS3-170
- CHOICE Uplink RLC mode	AM RLC		RCS3-171
- Transmission RLC discard			RCS3-172
- SDU discard mode	No Discard		RCS3-173
- MAX_DAT	15		RCS3-174
- Transmission window size	128		RCS3-175
- Timer_RST	500		RCS3-176
- Max_RST	4		RCS3-177
- Polling info			RCS3-178
- Timer_poll_prohibit	200		RCS3-179
- Timer_poll	200		RCS3-180
- Poll_PDU	Not Present		RCS3-181
- Poll_SDU	1		RCS3-182
- Last transmission PDU poll	TRUE		RCS3-183
- Last retransmission PDU poll	TRUE		RCS3-184
- Poll_Windows	99		RCS3-185
- Timer_poll_periodic	Not Present		RCS3-186
- CHOICE Downlink RLC mode	AM RLC		RCS3-187
- In-sequence delivery	TRUE		RCS3-188
- Receiving window size	128		RCS3-189
- Downlink RLC status info			RCS3-190
- Timer_status_prohibit	200		RCS3-191
- Timer_EPC	Not Present		RCS3-192
- Missing PDU indicator	TRUE		RCS3-193
- Timer_STATUS_periodic	Not Present		RCS3-194
- RB mapping info			RCS3-195
- Information for each multiplexing option	2 RBMuxOptions		RCS3-196
- RLC logical channel mapping indicator	Not Present		RCS3-197
- Number of RLC logical channels	1		RCS3-198
- Uplink transport channel type	DCH		RCS3-199
- UL Transport channel identity	5		RCS3-200
- Logical channel identity	4		RCS3-201
- CHOICE RLC size list	Configured		RCS3-202
- MAC logical channel priority	4		RCS3-203
- Downlink RLC logical channel info			RCS3-204
- Number of RLC logical channels	1		RCS3-205
- Downlink transport channel type	DCH		RCS3-206
- DL DCH Transport channel identity	10		RCS3-207
- DL DSCH Transport channel identity	Not Present		RCS3-208
- Logical channel identity	4		RCS3-209
- RLC logical channel mapping indicator	Not Present		RCS3-210
- Number of RLC logical channels	1		RCS3-211
- Uplink transport channel type	RACH		RCS3-212
- UL Transport channel identity	Not Present		RCS3-213
- Logical channel identity	4		RCS3-214
- CHOICE RLC size list	Explicit List		RCS3-215
- RLC size index	Reference to clause 6 Parameter Set		RCS3-216
- MAC logical channel priority	4		RCS3-217
- Downlink RLC logical channel info			RCS3-218

Information Element	Value/remark	Version	Index
- Number of RLC logical channels	1		RCS3-219
- Downlink transport channel type	FACH		RCS3-220
- DL DCH Transport channel identity	Not Present		RCS3-221
- DL DSCH Transport channel identity	Not Present		RCS3-222
- Logical channel identity	4		RCS3-223
UL Transport channel information for all transport channels			RCS3-224
- PRACH TFCS	Not Present		RCS3-225
- CHOICE Mode	TDD		RCS3-226
-Individual UL CCTrCH information			RCS3-227
- UL TFCS ID	(This IE is repeated for TFC number.)		RCS3-228
- UL TFCS			RCS3-229
- TFC subset	Default value is the complete existing set of transport format combinations		RCS3-230
- Allowed Transport Format combination	0 to MaxTFCvalue-1 (MaxTFC Value is refer to clause 6 Parameter Set.)		RCS3-231
- PRACH TFCS	(This IE is repeated for TFC number.)		RCS3-232
- CHOICE TFCI signalling	Normal		RCS3-233
- TFCI Field 1 information			RCS3-234
- TFCS complete reconfigure information			RCS3-235
- CHOICE TFCS Size	Number of used bits must be enough to cover all combinations of CTFC from clauses 6. Refer to clause 6 Parameter Set		RCS3-236
- CTFC information	Not Present		RCS3-237
- CHOICE mode	TDD		RCS3-238
- Individual UL CCTrCH information	Not Present		RCS3-239
Deleted TrCH information list	Not Present		RCS3-240
Added or Reconfigured UL TrCH information list	1		RCS3-241
- Added or Reconfigured UL TrCH information			RCS3-242
- Uplink transport channel type	DCH		RCS3-243
- UL Transport channel identity	5		RCS3-244
- TFS			RCS3-245
- CHOICE Transport channel type	Dedicated transport channels		RCS3-246
- Dynamic Transport Format Information			RCS3-247
- RLC size	According to clause 6		RCS3-248
- Number of TBs and TTI List	(This IE is repeated for TFI number)		RCS3-249
- CHOICE mode	TDD		RCS3-250
- Transmission Time Interval	According to clause 6		RCS3-251
- CHOICE Logical channel list	All		RCS3-252
- Semi-static Transport Format information			RCS3-253
DL Transport channel information common for all transport channel			RCS3-254
- SCCPCH TFCS	Not Present		RCS3-255
- CHOICE mode	TDD		RCS3-256
- CHOICE DL parameters	Same as UL		RCS3-257
Added or Reconfigured DL TrCH information list	1		RCS3-258
- Added or Reconfigured DL TrCH information			RCS3-259
- Downlink transport channel type	DCH		RCS3-260
- DL Transport channel identity	10		RCS3-261
- CHOICE DL parameters	Same as UL		RCS3-262
- Uplink transport channel type	DCH		RCS3-263
- UL TrCH Identity	5		RCS3-264
- DCH quality target			RCS3-265
- BLER Quality value	Reference to the present document		RCS3-266
Frequency info	Not Present		RCS3-267
Maximum allowed UL TX power	Not Present		RCS3-268
CHOICE channel requirement	Uplink DPCH info		RCS3-269
- Uplink DPCH power control info			RCS3-270
- CHOICE mode	TDD		RCS3-271
- CHOICE *TDD option*	3.84 Mcps		RCS3-272
- UL target SIR	Reference to clause 6 Parameter set		RCS3-273
- CHOICE mode	TDD		RCS3-274
- CHOICE *UL OL PC info*	Individually signalled		RCS3-275
- CHOICE *TDD option*	3.84 Mcps		RCS3-276
- Individual timeslot interference info	Not Present		RCS3-277
- Individual timeslot interference			RCS3-278

Information Element	Value/remark	Version	Index
- DPCH Constant Value			RCS3-279
- Primary CCPCH Tx Power	Not Present		RCS3-280
- Time info			RCS3-281
- Activation time	(256+CFN-(CFN MOD 8 + 8)) MOD 256		RCS3-282
- Duration	Infinite		RCS3-283
- Common timeslot info			RCS3-284
- 2nd interleaving mode	Reference to clause 6.10 Parameter Set		RCS3-285
- TFCI coding	Reference to clause 6.10 Parameter Set		RCS3-286
- Puncturing Limit	Reference to clause 6.10 Parameter Set		RCS3-287
- Repetition Period	Reference to clause 6.10 Parameter Set		RCS3-288
- Repetition Length	Reference to clause 6.10 Parameter Set		RCS3-289
- Uplink DPCH timeslots and codes	Default is to use the old timeslots and codes		RCS3-290
- CPCH SET Info	(no data)	R99 and Rel-4 only	RCS3-291
Downlink information common for all radio links			RCS3-292
- Downlink DPCH info common for all RL			RCS3-293
- Timing Indication	Initialize		RCS3-294
- CFN-targetSFN frame offset	Not Present		RCS3-295
- Downlink DPCH power control information			RCS3-296
- DPC mode	0 (single)		RCS3-297
- CHOICE mode	TDD		RCS3-298
- CHOICE TDD option	3.84 Mcps (no data)		RCS3-299
- Default DPCH Offset Value	Arbitrary set to value 0..306688 by step of 512		RCS3-300
Downlink information for per radio links list			RCS3-301
-Downlink information for each radio links			RCS3-302
- CHOICE mode	TDD		RCS3-303
- Primary CCPCH info			RCS3-304
- CHOICE *SyncCase*	Sync Case 1		RCS3-305
- Timeslot	PCCPCH timeslot		RCS3-306
- Cell parameters ID	0		RCS3-307
- SCTD indicator			RCS3-308
- Downlink DPCH info for each RL			RCS3-309
- CHOICE mode	TDD		RCS3-310
- DL CCTrCH List			RCS3-311
- TFCS ID	1		RCS3-312
- Time info			RCS3-313
- Activation time	(256+CFN-(CFN mod 8 + 8))mod 256		RCS3-314
- Duration	infinite		RCS3-315
- Common timeslot info			RCS3-316
- 2nd interleaving mode	Reference to the present document		RCS3-317
- TFCI coding	TRUE		RCS3-318
- Puncturing limit	Reference to clause 6 Parameter set		RCS3-319
- Repetition period	1		RCS3-320
- Repetition length	Empty		RCS3-321
- Downlink DPCH timeslots and codes			RCS3-322
- CHOICE *more timeslots*			RCS3-323
- CHOICE TDD option	3.84 Mcps		RCS3-324
- Timeslot number	The number of a downlink timeslot that has unassigned codes in a frame.		RCS3-325
- Individual timeslot info			RCS3-326
- TFCI existence	TRUE		RCS3-327
- Midamble shift and burst type			RCS3-328
- CHOICE TDD option	3.84 Mcps		RCS3-329
-CHOICE Burst Type			RCS3-330
-Type 1			RCS3-331
-Midamble Allocation Mode	Default		RCS3-332
- Midamble configuration burst type 1 and 3	As defined in 3GPP TS 25.221 [28]		RCS3-333
- First timeslot channelisation codes			RCS3-334
- First channelisation code	(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in clause 6 Parameter Set..		RCS3-335
- Last channelisation code	(j/SF) where j is the highest numbered code that is being assigned in the slot.		RCS3-336
- CHOICE more timeslots	The presence of this IE depends upon whether the requirements of clause 6 Parameter Set could be met by the codes that		RCS3-337

Information Element	Value/remark	Version	Index
	have been assigned in the first timeslot.		
- UL CCTrCH TPC List	Not Present		RCS3-338
-SCCPCH information for FACH	Not Present	R99 and Rel-4 only	RCS3-339

Contents of RRC CONNECTION SETUP message: UM (1.28 Mcps TDD)

Information Element	Value/remark	Version	Index
Message Type			RCS1-001
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in received RRC CONNECTION REQUEST" message		RCS1-002
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3		RCS1-003
Activation time	Not Present(Now)		RCS1-004
New U-RNTI			RCS1-005
- SRNC identity	0000 0000 0001B		RCS1-006
- S-RNTI	0000 0000 0000 0000 0001B		RCS1-007
New C-RNTI	Not Present		RCS1-008
RRC State Indicator	CELL_DCH		RCS1-009
UTRAN DRX cycle length coefficient	9		RCS1-010
Capability update requirement			RCS1-011
- UE radio access FDD capability update requirement	FALSE		RCS1-012
- UE radio access 3.84 Mcps TDD capability update requirement	FALSE	Rel-4	RCS1-013
- UE radio access 7.68 Mcps TDD capability update requirement	FALSE	Rel-7	RCS1-014
- UE radio access 1.28 Mcps TDD capability update requirement	TRUE	Rel-4	RCS1-015
- System specific capability update requirement list	GSM		RCS1-016
CHOICE *specification mode*	Complete specification	Rel-5	RCS1-017
- Complete specification		Rel-5	RCS1-018
- Signalling RB information to setup list	4 SRBs		RCS1-019
- Signalling RB information to setup	(UM DCCH for RRC)		RCS1-020
- RB identity	Not Present		RCS1-021
- CHOICE RLC info type	RLC info		RCS1-022
- CHOICE Uplink RLC mode	UM RLC		RCS1-023
- Transmission RLC discard	Not Present		RCS1-024
- CHOICE Downlink RLC mode	UM RLC		RCS1-025
- DL UM RLC LI size	7 bit	Rel-6	RCS1-026
- One sided RLC re-establishment	FALSE	Rel-6	RCS1-027
- RB mapping info			RCS1-028
- Information for each multiplexing option	2 RBMuxOptions		RCS1-029
- RLC logical channel mapping indicator	Not Present		RCS1-030
- Number of RLC logical channels	1		RCS1-031
- Uplink transport channel type	DCH		RCS1-032
- UL Transport channel identity	5		RCS1-033
- Logical channel identity	1		RCS1-034
- CHOICE RLC size list	Configured		RCS1-035
- MAC logical channel priority	1		RCS1-036
- Downlink RLC logical channel info			RCS1-037
- Number of RLC logical channels	1		RCS1-038
- Downlink transport channel type	DCH		RCS1-039
- DL DCH Transport channel identity	10		RCS1-040
- DL DSCH Transport channel identity	Not Present		RCS1-041
- Logical channel identity	1		RCS1-042
- RLC logical channel mapping indicator	Not Present		RCS1-043
- Number of RLC logical channels	1		RCS1-044
- Uplink transport channel type	RACH		RCS1-045
- UL Transport channel identity	Not Present		RCS1-046
- Logical channel identity	1		RCS1-047
- CHOICE RLC size list	Explicit List		RCS1-048
- RLC size index	Reference to clause 6 Parameter Set		RCS1-049
- MAC logical channel priority	1		RCS1-050
- Downlink RLC logical channel info			RCS1-051

Information Element	Value/remark	Version	Index
- Number of RLC logical channels	1		RCS1-052
- Downlink transport channel type	FACH		RCS1-053
- DL DCH Transport channel identity	Not Present		RCS1-054
- DL DSCH Transport channel identity	Not Present		RCS1-055
- Logical channel identity	1		RCS1-056
- Signalling RB information to setup	(AM DCCH for RRC)		RCS1-057
- RB identity	Not Present		RCS1-058
- CHOICE RLC info type			RCS1-059
- RLC info			RCS1-060
- CHOICE Uplink RLC mode	AM RLC		RCS1-061
- Transmission RLC discard			RCS1-062
- SDU discard mode	No Discard		RCS1-063
- MAX_DAT	15		RCS1-064
- Transmission window size	128		RCS1-065
- Timer_RST	500		RCS1-066
- Max_RST	4		RCS1-067
- Polling info			RCS1-068
- Timer_poll_prohibit	200		RCS1-069
- Timer_poll	200		RCS1-070
- Poll_PDU	Not Present		RCS1-071
- Poll_SDU	1		RCS1-072
- Last transmission PDU poll	TRUE		RCS1-073
- Last retransmission PDU poll	TRUE		RCS1-074
- Poll_Windows	99		RCS1-075
- Timer_poll_periodic	Not Present		RCS1-076
- CHOICE Downlink RLC mode	AM RLC		RCS1-077
- DL RLC PDU size	96 bits	Rel-6	RCS1-078
- In-sequence delivery	TRUE		RCS1-079
- Receiving window size	128		RCS1-080
- Downlink RLC status info			RCS1-081
- Timer_status_prohibit	200		RCS1-082
- Timer_EPC	Not Present		RCS1-083
- Missing PDU indicator	TRUE		RCS1-084
- Timer_STATUS_periodic	Not Present		RCS1-085
- RB mapping info			RCS1-086
- Information for each multiplexing option	2 RBMuxOptions		RCS1-087
- RLC logical channel mapping indicator	Not Present		RCS1-088
- Number of RLC logical channels	1		RCS1-089
- Uplink transport channel type	DCH		RCS1-090
- UL Transport channel identity	5		RCS1-091
- Logical channel identity	2		RCS1-092
- CHOICE RLC size list	Configured		RCS1-093
- MAC logical channel priority	2		RCS1-094
- Downlink RLC logical channel info			RCS1-095
- Number of RLC logical channels	1		RCS1-096
- Downlink transport channel type	DCH		RCS1-097
- DL DCH Transport channel identity	10		RCS1-098
- DL DSCH Transport channel identity	Not Present		RCS1-099
- Logical channel identity	2		RCS1-100
- RLC logical channel mapping indicator	Not Present		RCS1-101
- Number of RLC logical channels	1		RCS1-102
- Uplink transport channel type	RACH		RCS1-103
- UL Transport channel identity	Not Present		RCS1-104
- Logical channel identity	2		RCS1-105
- CHOICE RLC size list	Explicit List		RCS1-106
- RLC size index	Reference to clause 6 Parameter Set		RCS1-107
- MAC logical channel priority	2		RCS1-108
- Downlink RLC logical channel info			RCS1-109
- Number of RLC logical channels	1		RCS1-110
- Downlink transport channel type	FACH		RCS1-111
- DL DCH Transport channel identity	Not Present		RCS1-112
- DL DSCH Transport channel identity	Not Present		RCS1-113
- Logical channel identity	2		RCS1-114
- Signalling RB information to setup	(AM DCCH for NAS_DT High priority)		RCS1-115
- RB identity	Not Present		RCS1-116
- CHOICE RLC info type			RCS1-117
- RLC info			RCS1-118

Information Element	Value/remark	Version	Index
- CHOICE Uplink RLC mode	AM RLC		RCS1-119
- Transmission RLC discard			RCS1-120
- SDU discard mode	No Discard		RCS1-121
- MAX_DAT	15		RCS1-122
- Transmission window size	128		RCS1-123
- Timer_RST	500		RCS1-124
- Max_RST	4		RCS1-125
- Polling info			RCS1-126
- Timer_poll_prohibit	200		RCS1-127
- Timer_poll	200		RCS1-128
- Poll_PDU	Not Present		RCS1-129
- Poll_SDU	1		RCS1-130
- Last transmission PDU poll	TRUE		RCS1-131
- Last retransmission PDU poll	TRUE		RCS1-132
- Poll_Windows	99		RCS1-133
- Timer_poll_periodic	Not Present		RCS1-134
- CHOICE Downlink RLC mode	AM RLC		RCS1-135
- DL RLC PDU size	96 bits	Rel-6	RCS1-136
- In-sequence delivery	TRUE		RCS1-137
- Receiving window size	128		RCS1-138
- Downlink RLC status info			RCS1-139
- Timer_status_prohibit	200		RCS1-140
- Timer_EPC	Not Present		RCS1-141
- Missing PDU indicator	TRUE		RCS1-142
- Timer_STATUS_periodic	Not Present		RCS1-143
- RB mapping info			RCS1-144
- Information for each multiplexing option	2 RBMuxOptions		RCS1-145
- RLC logical channel mapping indicator	Not Present		RCS1-146
- Number of RLC logical channels	1		RCS1-147
- Uplink transport channel type	DCH		RCS1-148
-UL Transport channel identity	5		RCS1-149
- Logical channel identity	3		RCS1-150
- CHOICE RLC size list	Configured		RCS1-151
- MAC logical channel priority	3		RCS1-152
- Downlink RLC logical channel info			RCS1-153
- Number of RLC logical channels	1		RCS1-154
- Downlink transport channel type	DCH		RCS1-155
- DL DCH Transport channel identity	10		RCS1-156
- DL DSCH Transport channel identity	Not Present		RCS1-157
- Logical channel identity	3		RCS1-158
- RLC logical channel mapping indicator	Not Present		RCS1-159
- Number of RLC logical channels	1		RCS1-160
- Uplink transport channel type	RACH		RCS1-161
- UL Transport channel identity	Not Present		RCS1-162
- Logical channel identity	3		RCS1-163
- CHOICE RLC size list	Explicit List		RCS1-164
- RLC size index	Reference to clause 6 Parameter Set		RCS1-165
- MAC logical channel priority	3		RCS1-166
- Downlink RLC logical channel info			RCS1-167
- Number of RLC logical channels	1		RCS1-168
- Downlink transport channel type	FACH		RCS1-169
- DL DCH Transport channel identity	Not Present		RCS1-170
- DL DSCH Transport channel identity	Not Present		RCS1-171
- Logical channel identity	3		RCS1-172
- Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)		RCS1-173
- RB identity	Not Present		RCS1-174
- CHOICE RLC info type			RCS1-175
- RLC info			RCS1-176
- CHOICE Uplink RLC mode	AM RLC		RCS1-177
- Transmission RLC discard			RCS1-178
- SDU discard mode	No Discard		RCS1-179
- MAX_DAT	15		RCS1-180
- Transmission window size	128		RCS1-181
- Timer_RST	500		RCS1-182
- Max_RST	4		RCS1-183
- Polling info			RCS1-184
- Timer_poll_prohibit	200		RCS1-185

Information Element	Value/remark	Version	Index
- Timer_poll	200		RCS1-186
- Poll_PDU	Not Present		RCS1-187
- Poll_SDU	1		RCS1-188
- Last transmission PDU poll	TRUE		RCS1-189
- Last retransmission PDU poll	TRUE		RCS1-190
- Poll_Windows	99		RCS1-191
- Timer_poll_periodic	Not Present		RCS1-192
- CHOICE Downlink RLC mode	AM RLC		RCS1-193
- DL RLC PDU size	96 bits	Rel-6	RCS1-194
- In-sequence delivery	TRUE		RCS1-195
- Receiving window size	128		RCS1-196
- Downlink RLC status info			RCS1-197
- Timer_status_prohibit	200		RCS1-198
- Timer_EPC	Not Present		RCS1-199
- Missing PDU indicator	TRUE		RCS1-200
- Timer_STATUS_periodic	Not Present		RCS1-201
- RB mapping info			RCS1-202
- Information for each multiplexing option	2 RBMuxOptions		RCS1-203
- RLC logical channel mapping indicator	Not Present		RCS1-204
- Number of RLC logical channels	1		RCS1-205
- Uplink transport channel type	DCH		RCS1-206
- UL Transport channel identity	5		RCS1-207
- Logical channel identity	4		RCS1-208
- CHOICE RLC size list	Configured		RCS1-209
- MAC logical channel priority	4		RCS1-210
- Downlink RLC logical channel info			RCS1-211
- Number of RLC logical channels	1		RCS1-212
- Downlink transport channel type	DCH		RCS1-213
- DL DCH Transport channel identity	10		RCS1-214
- DL DSCH Transport channel identity	Not Present		RCS1-215
- Logical channel identity	4		RCS1-216
- RLC logical channel mapping indicator	Not Present		RCS1-217
- Number of RLC logical channels	1		RCS1-218
- Uplink transport channel type	RACH		RCS1-219
- UL Transport channel identity	Not Present		RCS1-220
- Logical channel identity	4		RCS1-221
- CHOICE RLC size list	Explicit List		RCS1-222
- RLC size index	Reference to clause 6 Parameter Set		RCS1-223
- MAC logical channel priority	4		RCS1-224
- Downlink RLC logical channel info			RCS1-225
- Number of RLC logical channels	1		RCS1-226
- Downlink transport channel type	FACH		RCS1-227
- DL DCH Transport channel identity	Not Present		RCS1-228
- DL DSCH Transport channel identity	Not Present		RCS1-229
- Logical channel identity	4		RCS1-230
UL Transport channel information for all transport channels			RCS1-231
- PRACH TFCS	Not Present		RCS1-232
- CHOICE Mode	TDD		RCS1-233
-Individual UL CCTrCH information			RCS1-234
- UL TFCS Identity			RCS1-235
- TFCS ID	1		RCS1-236
- Shared Channel Indicator	FALSE		RCS1-237
- UL TFCS			RCS1-238
- CHOICE TFCI signalling	Normal		RCS1-239
- TFCI Field 1 Information			RCS1-240
- CHOICE TFCS representation	Complete reconfiguration		RCS1-241
- TFCS complete reconfiguration information			RCS1-242
- CHOICE CTFC Size	2 bit CTFC		RCS1-243
- CTFC information	2 TFCs		RCS1-244
- 2 bit CTFC	0		RCS1-245
- Power offset Information	Not Present		RCS1-246
- 2 bit CTFC	1		RCS1-247
- Power offset Information	Not Present		RCS1-248
- TFC subset	Full transport format combination set		RCS1-249
- no data			RCS1-250

Information Element	Value/remark	Version	Index
- TFC subset list	Not Present	Rel-4	RCS1-251
Deleted TrCH information list	Not Present		RCS1-252
Added or Reconfigured UL TrCH information list	1		RCS1-253
- Added or Reconfigured UL TrCH information			RCS1-254
- Uplink transport channel type	DCH		RCS1-255
- UL Transport channel identity	5		RCS1-256
- TFS			RCS1-257
- CHOICE Transport channel type	Dedicated transport channels		RCS1-258
- Dynamic Transport Format Information			RCS1-259
- RLC size	96 bits		RCS1-260
- Number of TBs and TTI List	2		RCS1-261
- Transmission Time Interval	Not Present		RCS1-262
- Number of Transport blocks	0		RCS1-263
- Transmission Time Interval	Not Present		RCS1-264
- Number of Transport blocks	1		RCS1-265
- CHOICE Logical channel list	All		RCS1-266
- Semi-static Transport Format information			RCS1-267
- Transmission time interval	40		RCS1-268
- Type of channel coding	Convolutional		RCS1-269
- Coding Rate	1/3		RCS1-270
- Rate matching attribute	240		RCS1-271
- CRC size	12		RCS1-272
DL Transport channel information common for all transport channel			RCS1-273
- SCCPCH TFCS	Not Present		RCS1-274
- CHOICE mode	TDD		RCS1-275
- CHOICE DL parameters	Same as UL		RCS1-276
Added or Reconfigured DL TrCH information list	1		RCS1-277
- Added or Reconfigured DL TrCH information			RCS1-278
- Downlink transport channel type	DCH		RCS1-279
- DL Transport channel identity	10		RCS1-280
- CHOICE DL parameters	Same as UL		RCS1-281
- Uplink transport channel type	DCH		RCS1-282
- UL TrCH Identity	5		RCS1-283
- DCH quality target			RCS1-284
- BLER Quality value	-20 (-2.0)		RCS1-285
Frequency info	Not Present		RCS1-286
Maximum allowed UL TX power	Not Present		RCS1-287
CHOICE channel requirement	Uplink DPCH info		RCS1-288
- Uplink DPCH power control info			RCS1-289
- CHOICE mode	TDD		RCS1-290
- CHOICE *TDD option*	1.28 Mcps	Rel-4	RCS1-291
- $PRX_{PDPCHdes}$	Reference to clause 6 Parameter set	Rel-4	RCS1-292
- CHOICE mode	TDD		RCS1-293
- CHOICE *UL OL PC info*	Individually signalled		RCS1-294
- CHOICE *TDD option*	1.28 Mcps	Rel-4	RCS1-295
- Beacon PL Est.	Not Present	Rel-6	RCS1-296
- TPC step size	1 dB	Rel-4	RCS1-297
- Primary CCPCH Tx Power	30 dBm		RCS1-298
			RCS1-299
- CHOICE mode	TDD		RCS1-300
- Uplink Timing Advance Control			RCS1-301
- CHOICE Timing Advance	enabled		RCS1-302
- CHOICE TDD option	1.28 Mcps	Rel-4	RCS1-303
- Uplink synchronization parameters			RCS1-304
- Uplink synchronization step size	1		RCS1-305
- Uplink synchronization frequency	1		RCS1-306
- Synchronization parameters	Not present		RCS1-307
- UL CCTrCH List			RCS1-308
- TFCS ID	1		RCS1-309
- $PRX_{PDPCHdes}$	Reference to clause 6 Parameter set	Rel-4	RCS1-310
- Time info			RCS1-311
- Activation time	Not present		RCS1-312
- Duration	Not present		RCS1-313
- Common timeslot info			RCS1-314
- 2nd interleaving mode	Frame		RCS1-315
- TFCI coding	8 bits		RCS1-316

Information Element	Value/remark	Version	Index
- Puncturing Limit	1.0		RCS1-317
- Repetition Period	1		RCS1-318
- Repetition Length	Null		RCS1-319
- CHOICE TDD option	1.28 Mcps	Rel-7	RCS1-320
- Uplink DPCH timeslots and codes LCR	Default is to use the old timeslots and codes	Rel-7	RCS1-321
- Dynamic SF usage	FALSE		RCS1-322
- First individual timeslot info			RCS1-323
- Timeslot number			RCS1-324
- CHOICE TDD option	1.28 Mcps TDD	Rel-4	RCS1-325
- Timeslot number	1 OR 2 OR 3		RCS1-326
- TFCI existence	TRUE		RCS1-327
- Midamble shift and burst type			RCS1-328
- CHOICE TDD option	1.28 Mcps TDD	Rel-4	RCS1-329
- Midamble allocation mode	Default midamble		RCS1-330
- Midamble configuration	4 (k=8)		RCS1-331
- Midamble Shift	Not Present		RCS1-332
- CHOICE TDD option	1.28 Mcps TDD	Rel-4	RCS1-333
- Modulation	QPSK		RCS1-334
- SS-TPC Symbols	1		RCS1-335
- Additional TPC-SS Symbols	Not Present		RCS1-336
- First timeslot Code List	Repeated (1,2) for each channelisation code assigned in the slot to meet the needs of clause 6 Parameter Set.		RCS1-337
- channelisation codes	(SF/ i) where i denotes an unassigned code matching the SF specified in clause 6 Parameter Set.		RCS1-338
- CHOICE more timeslots	No more timeslots		RCS1-339
Downlink information common for all radio links			RCS1-340
- Downlink DPCH info common for all RL			RCS1-341
- Timing Indication	Initialize		RCS1-342
- CFN-targetSFN frame offset	Not Present		RCS1-343
- Downlink DPCH power control information			RCS1-344
- CHOICE mode	TDD		RCS1-345
- TPC Step Size	1		RCS1-346
- CHOICE mode	TDD		RCS1-347
- CHOICE TDD option	1.28 Mcps	Rel-4	RCS1-348
- TSTD indicator	FALSE		RCS1-349
- Default DPCH Offset Value	Arbitrary set to value 0..306688 by step of 512		RCS1-350
Downlink information for per radio links list			RCS1-351
-Downlink information for each radio links			RCS1-352
- CHOICE mode	TDD		RCS1-353
- Primary CCPCH info			RCS1-354
- CHOICE mode	TDD		RCS1-355
- CHOICE TDD option	1.28 Mcps	Rel-4	RCS1-356
- TSTD indicator	FALSE		RCS1-357
- Cell parameters ID	0		RCS1-358
- SCTD indicator	FALSE		RCS1-359
- Downlink DPCH info for each RL			RCS1-360
- CHOICE mode	TDD		RCS1-361
- DL CCTrCH List			RCS1-362
- TFCS ID	1		RCS1-363
- Time info			RCS1-364
- Activation time	Not present		RCS1-365
- Duration	Not present		RCS1-366
- Common timeslot info			RCS1-367
- 2nd interleaving mode	Frame		RCS1-368
- TFCI coding	8 bits		RCS1-369
- Puncturing limit	1.0		RCS1-370
- Repetition period	1		RCS1-371
- Repetition length	Empty		RCS1-372
- Downlink DPCH timeslots and codes			RCS1-373
- First Individual timeslot info			RCS1-374
- Timeslot number			RCS1-375
- CHOICE TDD option	1.28 Mcps	Rel-4	RCS1-376
- Timeslot number	The number of a downlink timeslot that has unassigned codes in a subframe.		RCS1-377

Information Element	Value/remark	Version	Index
- TFCI existence	TRUE		RCS1-378
- Midamble shift and burst type			RCS1-379
- CHOICE TDD option	1.28 Mcps	Rel-4	RCS1-380
- Midamble Allocation Mode	Default midamble		RCS1-381
- Midamble configuration	As defined in 3GPP TS 25.221 [28]		RCS1-382
- Midamble Shift	Not present		RCS1-383
- CHOICE TDD option	1.28 Mcps	Rel-4	RCS1-384
- Modulation	QPSK		RCS1-385
- SS-TPC Symbols	1		RCS1-386
- Additional TPC-SS Symbols	Not present		RCS1-387
- First timeslot channelisation codes			RCS1-388
- First channelisation code	(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in clause 6 Parameter Set.		RCS1-389
- Last channelisation code	(j/SF) where j is the highest numbered code that is being assigned in the slot.		RCS1-390
- CHOICE more timeslots	The presence of this IE depends upon whether the requirements of clause 6 Parameter Set could be met by the codes that have been assigned in the first timeslot.		RCS1-391
- UL CCTrCH TPC List	Not Present		RCS1-392
-SCCPCH information for FACH	Not Present	R99 and Rel-4 only	RCS1-393

Contents of RRC CONNECTION SETUP message: UM (7.68 Mcps TDD)

Information Element	Value/remark	Version	Index
Message Type			RCS7-001
Initial UE identity	Select the same identity as in the IE "Initial UE Identity" in received RRC CONNECTION REQUEST" message		RCS7-002
RRC transaction identifier	Arbitrarily selects an integer between 0 and 3		RCS7-003
Activation time	Not Present(Now)		RCS7-004
New U-RNTI			RCS7-005
- SRNC identity	0000 0000 0001B		RCS7-006
- S-RNTI	0000 0000 0000 0000 0001B		RCS7-007
New C-RNTI	Not Present		RCS7-008
New H-RNTI	Not Present	Rel-6	RCS7-009
CHOICE mode	TDD	Rel-7	RCS7-010
- New E-RNTI	Not Present	Rel-7	RCS7-011
RRC State Indicator	CELL_DCH		RCS7-012
UTRAN DRX cycle length coefficient	9		RCS7-013
Capability update requirement			RCS7-014
- UE radio access FDD capability update requirement	FALSE		RCS7-015
- UE radio access TDD capability update requirement	TRUE		RCS7-016
- System specific capability update requirement list	GSM		RCS7-017
CHOICE *specification mode*	Complete specification	Rel-5	RCS7-018
- Complete specification		Rel-5	RCS7-019
- Signalling RB information to setup list	4 SRBs		RCS7-020
- Signalling RB information to setup	(UM DCCH for RRC)		RCS7-021
- RB identity	Not Present		RCS7-022
- CHOICE RLC info type	RLC info		RCS7-023
- CHOICE Uplink RLC mode	UM RLC		RCS7-024
- Transmission RLC discard	Not Present		RCS7-025
- CHOICE Downlink RLC mode	UM RLC		RCS7-026
- RB mapping info			RCS7-027
- Information for each multiplexing option	2 RBMuxOptions		RCS7-028
- RLC logical channel mapping indicator	Not Present		RCS7-029
- Number of RLC logical channels	1		RCS7-030
- Uplink transport channel type	DCH		RCS7-031
- UL Transport channel identity	5		RCS7-032
- Logical channel identity	1		RCS7-033
- CHOICE RLC size list	Configured		RCS7-034

Information Element	Value/remark	Version	Index
- MAC logical channel priority	1		RCS7-035
- Downlink RLC logical channel info			RCS7-036
- Number of RLC logical channels	1		RCS7-037
- Downlink transport channel type	DCH		RCS7-038
- DL DCH Transport channel identity	10		RCS7-039
- DL DSCH Transport channel identity	Not Present		RCS7-040
- Logical channel identity	1		RCS7-041
- RLC logical channel mapping indicator	Not Present		RCS7-042
- Number of RLC logical channels	1		RCS7-043
- Uplink transport channel type	RACH		RCS7-044
- UL Transport channel identity	Not Present		RCS7-045
- Logical channel identity	1		RCS7-046
- CHOICE RLC size list	Configured		RCS7-047
- RLC size index	Reference to clause 6 Parameter Set		RCS7-048
- MAC logical channel priority	1		RCS7-049
- Downlink RLC logical channel info			RCS7-050
- Number of RLC logical channels	1		RCS7-051
- Downlink transport channel type	FACH		RCS7-052
- DL DCH Transport channel identity	Not Present		RCS7-053
- DL DSCH Transport channel identity	Not Present		RCS7-054
- Logical channel identity	1		RCS7-055
- Signalling RB information to setup	(AM DCCH for RRC)		RCS7-056
- RB identity	Not Present		RCS7-057
- CHOICE RLC info type			RCS7-058
- RLC info			RCS7-059
- CHOICE Uplink RLC mode	AM RLC		RCS7-060
- Transmission RLC discard			RCS7-061
- SDU discard mode	No Discard		RCS7-062
- MAX_DAT	415		RCS7-063
- Transmission window size	128		RCS7-064
- Timer_RST	500		RCS7-065
- Max_RST	4		RCS7-066
- Polling info			RCS7-067
- Timer_poll_prohibit	200		RCS7-068
- Timer_poll	200		RCS7-069
- Poll_PDU	Not Present		RCS7-070
- Poll_SDU	1		RCS7-071
- Last transmission PDU poll	TRUE		RCS7-072
- Last retransmission PDU poll	TRUE		RCS7-073
- Poll_Windows	99		RCS7-074
- Timer_poll_periodic	Not Present		RCS7-075
- CHOICE Downlink RLC mode	AM RLC		RCS7-076
- In-sequence delivery	TRUE		RCS7-077
- Receiving window size	128		RCS7-078
- Downlink RLC status info			RCS7-079
- Timer_status_prohibit	200		RCS7-080
- Timer_EPC	Not Present		RCS7-081
- Missing PDU indicator	TRUE		RCS7-082
- Timer_STATUS_periodic	Not Present		RCS7-083
- RB mapping info			RCS7-084
- Information for each multiplexing option	2 RBMuxOptions		RCS7-085
- RLC logical channel mapping indicator	Not Present		RCS7-086
- Number of RLC logical channels	1		RCS7-087
- Uplink transport channel type	DCH		RCS7-088
- UL Transport channel identity	5		RCS7-089
- Logical channel identity	2		RCS7-090
- CHOICE RLC size list	Configured		RCS7-091
- MAC logical channel priority	2		RCS7-092
- Downlink RLC logical channel info			RCS7-093
- Number of RLC logical channels	1		RCS7-094
- Downlink transport channel type	DCH		RCS7-095
- DL DCH Transport channel identity	10		RCS7-096
- DL DSCH Transport channel identity	Not Present		RCS7-097
- Logical channel identity	2		RCS7-098
- RLC logical channel mapping indicator	Not Present		RCS7-099
- Number of RLC logical channels	1		RCS7-100
- Uplink transport channel type	RACH		RCS7-101

Information Element	Value/remark	Version	Index
- UL Transport channel identity	Not Present		RCS7-102
- Logical channel identity	2		RCS7-103
- CHOICE RLC size list	Explicit List		RCS7-104
- RLC size index	Reference to clause 6 Parameter Set		RCS7-105
- MAC logical channel priority	2		RCS7-106
- Downlink RLC logical channel info			RCS7-107
- Number of RLC logical channels	1		RCS7-108
- Downlink transport channel type	FACH		RCS7-109
- DL DCH Transport channel identity	Not Present		RCS7-110
- DL DSCH Transport channel identity	Not Present		RCS7-111
- Logical channel identity	2		RCS7-112
- Signalling RB information to setup	(AM DCCH for NAS_DT High priority)		RCS7-113
- RB identity	Not Present		RCS7-114
- CHOICE RLC info type			RCS7-115
- RLC info			RCS7-116
- CHOICE Uplink RLC mode	AM RLC		RCS7-117
- Transmission RLC discard			RCS7-118
- SDU discard mode	No Discard		RCS7-119
- MAX_DAT	415		RCS7-120
- Transmission window size	128		RCS7-121
- Timer_RST	500		RCS7-122
- Max_RST	4		RCS7-123
- Polling info			RCS7-124
- Timer_poll_prohibit	200		RCS7-125
- Timer_poll	200		RCS7-126
- Poll_PDU	Not Present		RCS7-127
- Poll_SDU	1		RCS7-128
- Last transmission PDU poll	TRUE		RCS7-129
- Last retransmission PDU poll	TRUE		RCS7-130
- Poll_Windows	99		RCS7-131
- Timer_poll_periodic	Not Present		RCS7-132
- CHOICE Downlink RLC mode	AM RLC		RCS7-133
- In-sequence delivery	TRUE		RCS7-134
- Receiving window size	128		RCS7-135
- Downlink RLC status info			RCS7-136
- Timer_status_prohibit	200		RCS7-137
- Timer_EPC	Not Present		RCS7-138
- Missing PDU indicator	TRUE		RCS7-139
- Timer_STATUS_periodic	Not Present		RCS7-140
- RB mapping info			RCS7-141
- Information for each multiplexing option	2 RBMuxOptions		RCS7-142
- RLC logical channel mapping indicator	Not Present		RCS7-143
- Number of RLC logical channels	1		RCS7-144
- Uplink transport channel type	DCH		RCS7-145
-UL Transport channel identity	5		RCS7-146
- Logical channel identity	3		RCS7-147
- CHOICE RLC size list	Configured		RCS7-148
- MAC logical channel priority	3		RCS7-149
- Downlink RLC logical channel info			RCS7-150
- Number of RLC logical channels	1		RCS7-151
- Downlink transport channel type	DCH		RCS7-152
- DL DCH Transport channel identity	10		RCS7-153
- DL DSCH Transport channel identity	Not Present		RCS7-154
- Logical channel identity	3		RCS7-155
- RLC logical channel mapping indicator	Not Present		RCS7-156
- Number of RLC logical channels	1		RCS7-157
- Uplink transport channel type	RACH		RCS7-158
- UL Transport channel identity	Not Present		RCS7-159
- Logical channel identity	3		RCS7-160
- CHOICE RLC size list	Explicit List		RCS7-161
- RLC size index	Reference to clause 6 Parameter Set		RCS7-162
- MAC logical channel priority	3		RCS7-163
- Downlink RLC logical channel info			RCS7-164
- Number of RLC logical channels	1		RCS7-165
- Downlink transport channel type	FACH		RCS7-166
- DL DCH Transport channel identity	Not Present		RCS7-167
- DL DSCH Transport channel identity	Not Present		RCS7-168

Information Element	Value/remark	Version	Index
- Logical channel identity	3		RCS7-169
- Signalling RB information to setup	(AM DCCH for NAS_DT Low priority)		RCS7-170
- RB identity	Not Present		RCS7-171
- CHOICE RLC info type			RCS7-172
- RLC info			RCS7-173
- CHOICE Uplink RLC mode	AM RLC		RCS7-174
- Transmission RLC discard			RCS7-175
- SDU discard mode	No Discard		RCS7-176
- MAX_DAT	15		RCS7-177
- Transmission window size	128		RCS7-178
- Timer_RST	500		RCS7-179
- Max_RST	4		RCS7-180
- Polling info			RCS7-181
- Timer_poll_prohibit	200		RCS7-182
- Timer_poll	200		RCS7-183
- Poll_PDU	Not Present		RCS7-184
- Poll_SDU	1		RCS7-185
- Last transmission PDU poll	TRUE		RCS7-186
- Last retransmission PDU poll	TRUE		RCS7-187
- Poll_Windows	99		RCS7-188
- Timer_poll_periodic	Not Present		RCS7-189
- CHOICE Downlink RLC mode	AM RLC		RCS7-190
- In-sequence delivery	TRUE		RCS7-191
- Receiving window size	128		RCS7-192
- Downlink RLC status info			RCS7-193
- Timer_status_prohibit	200		RCS7-194
- Timer_EPC	Not Present		RCS7-195
- Missing PDU indicator	TRUE		RCS7-196
- Timer_STATUS_periodic	Not Present		RCS7-197
- RB mapping info			RCS7-198
- Information for each multiplexing option	2 RBMuxOptions		RCS7-199
- RLC logical channel mapping indicator	Not Present		RCS7-200
- Number of RLC logical channels	1		RCS7-201
- Uplink transport channel type	DCH		RCS7-202
- UL Transport channel identity	5		RCS7-203
- Logical channel identity	4		RCS7-204
- CHOICE RLC size list	Configured		RCS7-205
- MAC logical channel priority	4		RCS7-206
- Downlink RLC logical channel info			RCS7-207
- Number of RLC logical channels	1		RCS7-208
- Downlink transport channel type	DCH		RCS7-209
- DL DCH Transport channel identity	10		RCS7-210
- DL DSCH Transport channel identity	Not Present		RCS7-211
- Logical channel identity	4		RCS7-212
- RLC logical channel mapping indicator	Not Present		RCS7-213
- Number of RLC logical channels	1		RCS7-214
- Uplink transport channel type	RACH		RCS7-215
- UL Transport channel identity	Not Present		RCS7-216
- Logical channel identity	4		RCS7-217
- CHOICE RLC size list	Explicit List		RCS7-218
- RLC size index	Reference to clause 6 Parameter Set		RCS7-219
- MAC logical channel priority	4		RCS7-220
- Downlink RLC logical channel info			RCS7-221
- Number of RLC logical channels	1		RCS7-222
- Downlink transport channel type	FACH		RCS7-223
- DL DCH Transport channel identity	Not Present		RCS7-224
- DL DSCH Transport channel identity	Not Present		RCS7-225
- Logical channel identity	4		RCS7-226
UL Transport channel information for all transport channels			RCS7-227
- PRACH TFCS	Not Present		RCS7-228
- CHOICE Mode	TDD		RCS7-229
-Individual UL CCTrCH information			RCS7-230
- UL TFCS ID	(This IE is repeated for TFC number.)		RCS7-231
- UL TFCS			RCS7-232
- TFC subset	Default value is the complete existing set of transport format combinations		RCS7-233

Information Element	Value/remark	Version	Index
- Allowed Transport Format combination	0 to MaxTFCvalue-1 (MaxTFC Value is refer to clause 6 Parameter Set.)		RCS7-234
- PRACH TFCS	(This IE is repeated for TFC number.)		RCS7-235
- CHOICE TFCI signalling	Normal		RCS7-236
- TFCI Field 1 information			RCS7-237
- TFCS complete reconfigure information			RCS7-238
- CHOICE TFCS Size	Number of used bits must be enough to cover all combinations of CTFC from clauses 6. Refer to clause 6 Parameter Set		RCS7-239
- CTFC information	Not Present		RCS7-240
- CHOICE mode	TDD		RCS7-241
- Individual UL CCTrCH information	Not Present		RCS7-242
Deleted TrCH information list	Not Present		RCS7-243
Added or Reconfigured UL TrCH information list	1		RCS7-244
- Added or Reconfigured UL TrCH information			RCS7-245
- Uplink transport channel type	DCH		RCS7-246
- UL Transport channel identity	5		RCS7-247
- TFS			RCS7-248
- CHOICE Transport channel type	Dedicated transport channels		RCS7-249
- Dynamic Transport Format Information			RCS7-250
- RLC size	According to clause 6		RCS7-251
- Number of TBs and TTI List	(This IE is repeated for TFI number)		RCS7-252
- CHOICE mode	TDD		RCS7-253
- Transmission Time Interval	According to clause 6		RCS7-254
- CHOICE Logical channel list	All		RCS7-255
- Semi-static Transport Format information			RCS7-256
DL Transport channel information common for all transport channel			RCS7-257
- SCCPCH TFCS	Not Present		RCS7-258
- CHOICE mode	TDD		RCS7-259
- CHOICE DL parameters	Same as UL		RCS7-260
Added or Reconfigured DL TrCH information list	1		RCS7-261
- Added or Reconfigured DL TrCH information			RCS7-262
- Downlink transport channel type	DCH		RCS7-263
- DL Transport channel identity	10		RCS7-264
- CHOICE DL parameters	Same as UL		RCS7-265
- Uplink transport channel type	DCH		RCS7-266
- UL TrCH Identity	5		RCS7-267
- DCH quality target			RCS7-268
- BLER Quality value	Reference to the present document		RCS7-269
Frequency info	Not Present		RCS7-270
DTX-DRX timing information	Not Present	Rel-7	RCS7-271
DTX-DRX information	Not Present	Rel-7	RCS7-272
HS-SCCH less information	Not Present	Rel-7	RCS7-273
MIMO parameters	Not Present	Rel-7	RCS7-274
Maximum allowed UL TX power	Not Present		RCS7-275
Uplink DPCH info		Rel-6	RCS7-276
- Uplink DPCH power control info			RCS7-277
- CHOICE mode	TDD		RCS7-278
- CHOICE *TDD option*	7.68 Mcps	Rel-7	RCS7-279
- UL target SIR	Reference to clause 6 Parameter set		RCS7-280
- CHOICE mode	TDD		RCS7-281
- CHOICE *UL OL PC info*	Individually signalled		RCS7-282
- CHOICE *TDD option*	7.68 Mcps	Rel-7	RCS7-283
- Individual timeslot interference info	Not Present		RCS7-284
- Individual timeslot interference			RCS7-285
- DPCH Constant Value			RCS7-286
- Primary CCPCH Tx Power	Not Present		RCS7-287
- Time info			RCS7-288
- Activation time	(256+CFN-(CFN MOD 8 + 8)) MOD 256		RCS7-289
- Duration	Infinite		RCS7-290
- Common timeslot info			RCS7-291
- 2nd interleaving mode	Reference to clause 6.11 Parameter Set		RCS7-292
- TFCI coding	Reference to clause 6.11 Parameter Set		RCS7-293
- Puncturing Limit	Reference to clause 6.11 Parameter Set		RCS7-294
- Repetition Period	Reference to clause 6.11 Parameter Set		RCS7-295

Information Element	Value/remark	Version	Index
- Repetition Length	Reference to clause 6.11 Parameter Set		RCS7-296
- CHOICE TDD Option	7.68 Mcps	Rel-7	RCS7-297
- Uplink DPCH timeslots and codes VHCR	Default is to use the old timeslots and codes	Rel-7	RCS7-298
- CPCH SET Info	(no data)	R99 and Rel-4 only	RCS7-299
Downlink information common for all radio links			RCS7-300
- Downlink DPCH info common for all RL			RCS7-301
- Timing Indication	Initialize		RCS7-302
- CFN-targetSFN frame offset	Not Present		RCS7-303
- Downlink DPCH power control information			RCS7-304
- DPC mode	0 (single)		RCS7-305
- CHOICE mode	TDD		RCS7-306
- CHOICE TDD option	7.68 Mcps (no data)	Rel-7	RCS7-307
- Default DPCH Offset Value	Not Present		RCS7-308
Downlink information for per radio links list			RCS7-309
-Downlink information for each radio links			RCS7-310
- CHOICE mode	TDD		RCS7-311
- Primary CCPCH info			RCS7-312
- CHOICE mode	TDD		RCS7-313
- CHOICE TDD option	7.68 Mcps	Rel-7	RCS7-314
- CHOICE *SyncCase*	Sync Case 1		RCS7-315
- Timeslot	PCCPCH timeslot		RCS7-316
- Cell parameters ID	0		RCS7-317
- SCTD indicator			RCS7-318
- CHOICE DPCH info	Downlink DPCH info for each RL	Rel-6	RCS7-319
- Downlink DPCH info for each RL			RCS7-320
- CHOICE mode	TDD		RCS7-321
- DL CCTrCH List			RCS7-322
- TFCS ID	1		RCS7-323
- Time info			RCS7-324
- Activation time	(256+CFN-(CFN mod 8 + 8))mod 256		RCS7-325
- Duration	infinite		RCS7-326
- Common timeslot info			RCS7-327
- 2nd interleaving mode	Reference to the present document		RCS7-328
- TFCI coding	TRUE		RCS7-329
- Puncturing limit	Reference to clause 6 Parameter set		RCS7-330
- Repetition period	1		RCS7-331
- Repetition length	Empty		RCS7-332
- Downlink DPCH timeslots and codes VHCR		Rel-7	RCS7-333
- CHOICE *more timeslots*			RCS7-334
- CHOICE TDD option	7.68 Mcps	Rel-7	RCS7-335
- Timeslot number	The number of a downlink timeslot that has unassigned codes in a frame.		RCS7-336
- Individual timeslot info			RCS7-337
- TFCI existence	TRUE		RCS7-338
- Midamble shift and burst type			RCS7-339
- CHOICE TDD option	7.68 Mcps		RCS7-340
-CHOICE Burst Type			RCS7-341
-Type 1			RCS7-342
-Midamble Allocation Mode	Default		RCS7-343
- Midamble configuration burst type 1 and 3	As defined in 3GPP TS 25.221 [28]		RCS7-344
- First timeslot channelisation codes			RCS7-345
- First channelisation code	(i/SF) where i is the lowest numbered code that is being assigned and SF is specified in clause 6 Parameter Set..		RCS7-346
- Last channelisation code	(j/SF) where j is the highest numbered code that is being assigned in the slot.		RCS7-347
- CHOICE more timeslots	The presence of this IE depends upon whether the requirements of clause 6 Parameter Set could be met by the codes that have been assigned in the first timeslot.		RCS7-348
- UL CCTrCH TPC List	Not Present		RCS7-349
-SCCPCH information for FACH	Not Present	R99 and Rel-4 only	RCS7-350

Contents of SECURITY MODE COMMAND message: AM

Information Element	Condition	Value/remark
Message Type	A1, A2	
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. The first/ leftmost bit of the bit string contains the most significant bit of the MAC-I.
- RRC Message Sequence Number		Set to an arbitrarily selected integer between 0 and 15
Security capability		
- Ciphering algorithm capability		
- UEA0		If the UE has indicated support for ciphering algorithm UEA0 in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message, this IE is set to TRUE.
- UEA1		If the UE has indicated support for ciphering algorithm UEA1 in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message, this IE is set to TRUE.
- Spare		Spare 2-15 = FALSE
- Integrity protection algorithm capability		0000000000000010B (UIA1)
- UIA1		TRUE
- Spare		Spare 0 and Spare 2-15 = FALSE
Ciphering mode info		This presence of this IE is dependent on IXIT statements in TS 34.123-2. If ciphering is indicated to be active, this IE present with the values of the sub IEs as stated below. Else, this IE is omitted.
- Ciphering mode command		Start/restart
- Ciphering algorithm		UEA0 or UEA1. The indicated algorithm must be one of the algorithms supported by the UE as indicated in the IE "security capability" in the RRC CONNECTION SETUP COMPLETE message. Use the same ciphering algorithm specified in "ciphering
- 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
- RB identity		2
- RLC sequence number		Current RLC SN+3(or Calculated Value)
- RB identity		3
- RLC sequence number		Current RLC SN
- RB identity		4
- RLC sequence number		Current RLC SN
Integrity protection mode info		
- 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	A1	Not Checked
UE system specific security capability	A2	
- Inter-RAT UE security capability		
- CHOICE *system*		GSM
- GSM security capability		The indicated algorithms must be the

Information Element	Condition	Value/remark
		same as the algorithms supported by the UE as indicated in the IE " UE system specific capability " in the RRC CONNECTION SETUP COMPLETE message.

Condition	Explanation
A1	UE not supporting GSM
A2	UE supporting GSM