

ETSI TS 134 123-1 V12.4.0 (2016-08)



**Universal Mobile Telecommunications System (UMTS);
User Equipment (UE) conformance specification;
Part 1: Protocol conformance specification
(3GPP TS 34.123-1 version 12.4.0 Release 12)**



Reference

RTS/TSGR-0534123-1vc40

Keywords

UMTS

ETSI

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

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

Siret N° 348 623 562 00017 - NAF 742 C
Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° 7803/88

Important notice

The present document can be downloaded from:
<http://www.etsi.org/standards-search>

The present document may be made available in electronic versions and/or in print. The content of any electronic and/or print versions of the present document shall not be modified without the prior written authorization of ETSI. In case of any existing or perceived difference in contents between such versions and/or in print, the only prevailing document is the print of the Portable Document Format (PDF) version kept on a specific network drive within ETSI Secretariat.

Users of the present document should be aware that the document may be subject to revision or change of status. Information on the current status of this and other ETSI documents is available at
<https://portal.etsi.org/TB/ETSIDeliverableStatus.aspx>

If you find errors in the present document, please send your comment to one of the following services:
<https://portal.etsi.org/People/CommiteeSupportStaff.aspx>

Copyright Notification

No part may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm except as authorized by written permission of ETSI.

The content of the PDF version shall not be modified without the written authorization of ETSI.
The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 2016.
All rights reserved.

DECT™, **PLUGTESTS™**, **UMTS™** and the ETSI logo are Trade Marks of ETSI registered for the benefit of its Members.
3GPP™ and **LTE™** are Trade Marks of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners.
GSM® and the GSM logo are Trade Marks registered and owned by the GSM Association.

Intellectual Property Rights

IPRs essential or potentially essential to the present document may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: "*Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards*", which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (<https://ipr.etsi.org>).

Pursuant to the ETSI IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

Foreword

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

The present document may refer to technical specifications or reports using their 3GPP identities, UMTS identities or GSM identities. These should be interpreted as being references to the corresponding ETSI deliverables.

The cross reference between GSM, UMTS, 3GPP and ETSI identities can be found under <http://webapp.etsi.org/key/queryform.asp>.

Modal verbs terminology

In the present document "**shall**", "**shall not**", "**should**", "**should not**", "**may**", "**need not**", "**will**", "**will not**", "**can**" and "**cannot**" are to be interpreted as described in clause 3.2 of the [ETSI Drafting Rules](#) (Verbal forms for the expression of provisions).

"**must**" and "**must not**" are **NOT** allowed in ETSI deliverables except when used in direct citation.

Contents

Intellectual Property Rights	2
Foreword.....	2
Modal verbs terminology.....	2
Foreword.....	74
Introduction	74
1 Scope	75
2 References	76
3 Definitions and abbreviations.....	79
3.1 Definitions	79
3.2 Abbreviations	79
4 Overview	79
4.1 Test Methodology.....	79
4.1.1 Testing of optional functions and procedures	79
4.1.2 Test interfaces and facilities.....	79
4.2 Implicit Testing	79
5 Reference Conditions	79
5.1 Generic setup procedures	79
6 Idle mode operations	80
6.1 In a pure 3G environment.....	86
6.1.1 PLMN selection	86
6.1.1.1 PLMN selection of RPLMN, HPLMN, UPLMN and OPLMN; Manual mode	86
6.1.1.2 PLMN selection of "Other PLMN / access technology combinations"; Manual mode.....	88
6.1.1.3 PLMN selection; independence of RF level and preferred PLMN; Manual mode	91
6.1.1.4 PLMN selection of RPLMN, HPLMN, UPLMN and OPLMN; Automatic mode	94
6.1.1.5 PLMN selection of "Other PLMN / access technology combinations"; Automatic mode	96
6.1.1.6 Void.....	98
6.1.1.7 Cell reselection of ePLMN in manual mode	98
6.1.1.8 PLMN selection in shared network environment, Automatic mode	99
6.1.1.9 PLMN selection in shared network environment, Manual Mode.....	102
6.1.1.10 Presentation of additional information during PLMN selection; Manual mode	106
6.1.1.11 Void.....	108
6.1.1.12 Displaying EHPLMNs in manual mode.....	108
6.1.1.13 PLMN selection of RPLMN or (E)HPLMN; Automatic mode	111
6.1.1.14 Network selection mode at switch-on	115
6.1.1.15 Exception in manual network selection mode when HPLMN is available at power-on	118
6.1.2 Cell selection and reselection.....	122
6.1.2.1 Cell reselection.....	122
6.1.2.1a Cell reselection for inter-band operation.....	125
6.1.2.1b Cell reselection for inter-band operation(LCR TDD band a-f)	125
6.1.2.2 Cell reselection using Qhyst, Qoffset and Treselection	126
6.1.2.3 HCS Cell reselection	130
6.1.2.4 HCS Cell reselection using reselection timing parameters for the H criterion.....	132
6.1.2.5 HCS Cell reselection using reselection timing parameters for the R criterion.....	135
6.1.2.6 Emergency calls	138
6.1.2.7 Void.....	140
6.1.2.8 Cell reselection: Equivalent PLMN	140
6.1.2.9 Void.....	144
6.1.2.9a Cell reselection using cell status and cell reservations – Type "A" USIM	144
6.1.2.9b Cell reselection using cell status and cell reservations – Type "B" USIM.....	146
6.1.2.10 HCS inter-frequency cell reselection	148
6.1.2.10a HCS inter-frequency cell reselection for inter-band operation	150
6.1.2.11 Cell reselection in shared network environment	150

6.1.2.12	Cell reselection based on absolute priority in SIB19	154
6.1.3	MBSFN Cluster selection and reselection	161
6.1.3.1	MBSFN only service recognition.....	161
6.1.3.2	Suitable PLMN selection; MBSFN Frequency List present (unicast carrier)	165
6.1.3.3	Suitable PLMN search; MBSFN Frequency List not present (unicast carrier)	171
6.1.3.4	Cell reservations and access restrictions; Normal access class only	177
6.1.3.5	Cell reservations and access restrictions; Operator access class	183
6.1.3.6	Cell reservations and access restrictions; Home country services access class.....	190
6.1.3.7	Inter frequency neighbour reselection / Service activation	192
6.1.3.8	Inter frequency neighbour reselection / Activation of higher priority service	196
6.2	Multi-mode environment (2G/3G case)	200
6.2.1	PLMN and RAT selection	200
6.2.1.1	Selection of the correct PLMN and associated RAT.....	200
6.2.1.2	Selection of RAT for HPLMN; Manual mode	202
6.2.1.3	Selection of RAT for UPLMN; Manual mode	208
6.2.1.4	Selection of RAT for OPLMN; Manual mode	210
6.2.1.5	Selection of "Other PLMN / access technology combinations"; Manual mode.....	212
6.2.1.6	Selection of RAT for HPLMN; Automatic mode	215
6.2.1.7	Selection of RAT for UPLMN; Automatic mode	217
6.2.1.8	Selection of RAT for OPLMN; Automatic mode	219
6.2.1.8a	Selection of RAT for OPLMN; Different ITU regions	221
6.2.1.9	Selection of "Other PLMN / access technology combinations"; Automatic mode	231
6.2.1.10	Void.....	233
6.2.1.11	Selection of PLMN and RAT in shared network environment, Manual Mode.....	233
6.2.2	Cell selection and reselection.....	237
6.2.2.1	Cell reselection if cell becomes barred or $S < 0$; UTRAN to GSM	237
6.2.2.1a	Cell reselection if cell becomes barred or $S < 0$; UTRAN(1.28Mcps TDD) to GSM.....	239
6.2.2.2	Cell reselection if cell becomes barred or $C1 < 0$; GSM to UTRAN.....	242
6.2.2.2a	Cell reselection if cell becomes barred or $C1 < 0$; GSM to UTRAN (1.28 Mcps TDD)	245
6.2.2.3	Cell reselection timings; GSM to UTRAN	248
6.2.2.3a	Cell reselection timings; GSM to UTRAN (1.28 Mcps TDD).....	252
6.2.2.4	Cell reselection in multi-mode shared network environment.....	256
6.2.2.5	Cell reselection using SIB18; UTRAN to GSM.....	260
6.2.2.5a	Cell reselection using SIB18; UTRAN(1.28Mcps TDD) to GSM.....	264
6.2.2.6	Cell reselection based on Absolute Priorities(both High priority and Low priority reselection) in SIB19; UTRAN to GSM	267
6.3	HNB Environment.....	273
6.3.1	CSG Selection.....	273
6.3.1.1	Manual CSG ID Selection.....	273
6.3.1.2	UE in automatic network selection mode to select a suitable CSG cell	275
6.3.1.3	Manual CSG ID Selection across PLMNs	276
6.3.1.4	Suitable Cell checking for reselection to the CSG Cell	279
6.3.2	Reselection from a non-CSG cell to an allowed CSG cell.....	284
6.3.2.1	Intra-frequency cell reselection from a non-CSG cell to an allowed CSG cell.....	284
6.3.2.2	Inter-frequency cell reselection from a non-CSG cell to an allowed CSG cell.....	286
6.3.2.3	Inter-RAT Cell Reselection / from GSM_Idle / GPRS Packet_Idle to a UTRA idle CSG cell	289
6.3.3	Reselection from CSG Cell to CSG Cell	291
6.3.3.1	Intra frequency CSG Cell Reselection	291
6.3.3.2	Void.....	294
6.3.4	Cell Reselection with Hybrid Cells.....	294
6.3.4.1	Inter-frequency Cell Reselection with Hybrid Cells	294
6.3.4.2	Cell Reselection with Hybrid Cells for non-member UEs	296
6.4	WLAN Environment	297
6.4.1	WLAN Offload / Cell Selection / UTRA RRC_Idle to/from WLAN (Qrxlevmeas, BeaconRSSI).....	297
6.4.2	WLAN Offload / Cell Selection / UTRA RRC_Idle to/from WLAN (Qrxlevmeas, BackhaulRateDIWLAN, WLAN identifier no match/match).....	299
6.4.3	WLAN Offload / Cell Selection / UTRA RRC_Idle to/from WLAN (Qrxlevmeas, BackhaulRateUIWLAN).....	302
6.4.4	WLAN Offload / Cell Selection / UTRA RRC_Idle to/from WLAN (Qqualmeas, ChannelUtilizationWLAN).....	305
6.4.5	Void	307

7	Layer 2.....	308
7.1	MAC.....	308
7.1.1	Mapping between logical channels and transport channels	308
7.1.1.1	CCCH mapped to RACH/FACH / Invalid TCTF	308
7.1.1.2	DTCH or DCCH mapped to RACH/FACH / Invalid TCTF	314
7.1.1.3	DTCH or DCCH mapped to RACH/FACH / Invalid C/T Field	318
7.1.1.4	DTCH or DCCH mapped to RACH/FACH / Invalid UE ID Type Field	320
7.1.1.5	DTCH or DCCH mapped to RACH/FACH / Incorrect UE ID	322
7.1.1.6	DTCH or DCCH mapped to DSCH or USCH	324
7.1.1.7	DTCH or DCCH mapped to CPCH	327
7.1.1.8	DTCH or DCCH mapped to DCH / Invalid C/T Field.....	330
7.1.1.9	MTCH mapped to FACH / Invalid TCTF (TDD MBSFN).....	333
7.1.1.9a	MTCH mapped to FACH / Invalid TCTF (3.84 Mcps TDD IMB).....	343
7.1.1.10	MTCH mapped to FACH / Invalid MBMS-Id (TDD MBSFN).....	349
7.1.1.10a	MTCH mapped to FACH / Invalid MBMS-Id (3.84 Mcps TDD IMB).....	358
7.1.2	RACH/FACH procedures	363
7.1.2.1	Selection and control of Power Level	363
7.1.2.1.1	Void.....	363
7.1.2.1.2	Selection and control of Power Level (3,84 Mcps TDD option)	363
7.1.2.1.3	Void.....	363
7.1.2.2	Correct application of Dynamic Persistence	363
7.1.2.2.1	Void.....	363
7.1.2.2.2	Correct application of Dynamic Persistence (3.84 Mcps TDD option).....	363
7.1.2.2.3	Void.....	363
7.1.2.3	Correct Selection of RACH parameters	363
7.1.2.3.1	Correct Selection of RACH parameters (FDD).....	363
7.1.2.3.2	Correct Selection of RACH parameters (3.84 Mcps TDD option).....	368
7.1.2.3.3	Correct Selection of RACH parameters (1.28 Mcps TDD option).....	368
7.1.2.4	Correct Detection and Response to FPACH (1.28 Mcps TDD option).....	369
7.1.2.4a	Access Service class selection for RACH transmission.....	372
7.1.2.5	Void.....	380
7.1.3	Priority handling between data flows of one UE	380
7.1.3.1	Priority handling between data flows of one UE.....	380
7.1.3.2	TFC Selection	382
7.1.4	Control of CPCH transmissions.....	390
7.1.4.1	Control of CPCH transmissions for FDD.....	390
7.1.5	HS-DSCH MAC-hs	396
7.1.5.1	MAC-hs reordering and stall avoidance.....	396
7.1.5.2	MAC-hs priority queue handling	400
7.1.5.3	MAC-hs PDU header handling	401
7.1.5.4	MAC-hs retransmissions	404
7.1.5.5	MAC-hs reset	407
7.1.5.6	MAC-hs transport block size selection	409
7.1.5.6a	MAC-hs transport block size selection (1.28 Mcps TDD).....	418
7.1.5.7	MAC-hs transport block size selection (3.84 Mcps TDD).....	424
7.1.5.8	MAC-hs transport block size selection (7.68 Mcps TDD).....	430
7.1.5.9	MAC-hs data transmission with enhanced TS0 (1.28 Mcps TDD).....	436
7.1.5a	HS-DSCH MAC-ehs.....	438
7.1.5a.1	MAC-ehs multiplexing / multiple logical channels on same queue	438
7.1.5a.2	MAC-ehs multiplexing / multiple logical channels on multiple queues	439
7.1.5a.3	MAC-ehs segmentation / UE handling of partial and full PDUs	441
7.1.5a.4	MAC-ehs reordering and stall avoidance	445
7.1.5a.5	MAC-ehs transport block size selection.....	451
7.1.5a.5.1	Generic test procedure for the MAC-ehs transport block size selection test cases.....	451
7.1.5a.5.2	MAC-ehs transport block size selection / QPSK and 16QAM.....	457
7.1.5a.5.3	MAC-ehs transport block size selection / 64QAM.....	465
7.1.5a.5.4	MAC-ehs transport block size selection (1.28Mcps TDD)	465
7.1.5a.6	UE Identification on HS-PDSCH in CELL_FACH	471
7.1.5a.7	HARQ retransmissions without ACK/NACK signalling in CELL_FACH.....	473
7.1.5a.8	HARQ retransmissions without ACK/NACK signalling in CELL_FACH when Dedicated H-RNTI is not allocated (1.28 Mcps TDD).....	475

7.1.5a.9	HARQ retransmissions with ACK/NACK signalling in CELL_FACH when Dedicated H-RNTI is allocated (1.28 Mcps TDD).....	477
7.1.5a.10	MAC-e/hs data transmission with enhanced TS0 (1.28 Mcps TDD).....	479
7.1.5b	HS-SCCH Less Operation.....	481
7.1.5b.1	HARQ procedure for HS-SCCH less operation.....	481
7.1.5c	HS-DSCH SPS Operation.....	485
7.1.5c.1	HARQ procedure for HS-DSCH SPS operation.....	485
7.1.6	E-DCH MAC-es/e.....	489
7.1.6.1	MAC-es/e multiplexing.....	489
7.1.6.1.1	MAC-es/e multiplexing without RRC restrictions.....	489
7.1.6.1.2	MAC-es/e multiplexing with RRC restrictions.....	491
7.1.6.1.3	Correct settings of MAC-es/e header fields.....	493
7.1.6.2	MAC-es/e – Scheduling.....	495
7.1.6.2.1	Correct settings of MAC-es/e scheduling information.....	495
7.1.6.2.2	Happy bit setting.....	500
7.1.6.2.3	MAC-es/e non-scheduled transmissions.....	502
7.1.6.2.4	MAC-es/e correct handling of scheduled transmissions when absolute grant varies.....	505
7.1.6.2.5	MAC-es/e de-activation and re-activation of HARQ processes.....	508
7.1.6.2.6	MAC-es/e correct handling of relative grants.....	511
7.1.6.2.7	MAC-es/e correct handling of absolute grants on Primary and Secondary E-RNTI.....	517
7.1.6.2.8	MAC-es/e combined non-scheduled and scheduled transmissions.....	520
7.1.6.2.9	MAC-es/e Correct handling of HARQ profile power offsets.....	524
7.1.6.2.9a	MAC-es/e Correct handling of HARQ profile (1.28Mcps TDD).....	528
7.1.6.2.10	MAC-es/e Correct handling of minimum set of E-TFCI.....	532
7.1.6.2.10a	Smallest E-TFC (1.28Mcps TDD).....	536
7.1.6.2.11	MAC-es/e correct handling of absolute and relative grants in discontinuous downlink reception operation.....	539
7.1.6.2.12	MAC-es/e correct handling scheduling information transmission (for different UpPCH shifting setting, for 1.28Mcps TDD only).....	547
7.1.6.3	MAC-es/e- E-TFC selection.....	552
7.1.6.3.1	MAC-es/e E-TFC priority.....	552
7.1.6.3.2	MAC-es/e transport block size selection/ UL QPSK.....	554
7.1.6.3.2a	MAC-es/e transport block size selection/UL 16QAM.....	564
7.1.6.3.3	Impact on E-TFCI selection on MAC at UE for UL DRX at Node B/ MAC Inactivity Threshold>1.....	572
7.1.6.3.4	Impact on E-TFCI selection on MAC at UE for UL DRX at Node B/ MAC Inactivity Threshold =1.....	574
7.1.6.3.5	MAC-es/e transport block size selection(1.28Mcps TDD).....	576
7.1.6.4	MAC-es/e - E-DCH retransmissions.....	580
7.1.6.4.1	MAC-es/e process handling.....	580
7.1.6.4.2	MAC-es/e maximum number of retransmissions.....	583
7.1.6.4.3	MAC-es/e Correct handling of MAC-es/e reset.....	586
7.1.6a	E-DCH MAC-es/e for 3.84 and 7.68Mcps TDD.....	588
7.1.6a.1	MAC-es/e multiplexing.....	588
7.1.6a.1.1	MAC-es/e multiplexing without RRC restrictions.....	588
7.1.6a.1.2	MAC-es/e multiplexing with RRC restrictions.....	590
7.1.6a.1.3	Correct settings of MAC-es/e header fields.....	592
7.1.6a.2	MAC-es/e – Scheduling.....	594
7.1.6a.2.1	Correct settings of MAC-es/e scheduling information.....	594
7.1.6a.2.2	Correct settings of MAC-es/e scheduling information when scheduling delay timer expires.....	598
7.1.6a.2.3	MAC-es/e correct handling of scheduled transmissions.....	600
7.1.6a.2.4	MAC-es/e combined non-scheduled and scheduled transmissions.....	602
7.1.6a.2.5	MAC-es/e Correct handling of HARQ profile power offsets.....	604
7.1.6a.3	MAC-es/e- E-TFC selection.....	608
7.1.6a.3.1	MAC-es/e E-TFC priority.....	608
7.1.6a.3.2	MAC-es/e transport block size selection/ UL QPSK.....	610
7.1.6a.4	MAC-es/e - E-DCH retransmissions.....	622
7.1.6a.4.1	MAC-es/e process handling.....	622
7.1.6a.4.2	MAC-es/e maximum number of retransmissions.....	625
7.1.7	E-DCH MAC-i/is.....	627
7.1.7.1	MAC-i/is multiplexing (multiple PDUs from different LC in one TTI).....	627
7.1.7.2	MAC-i/is segmentation / Correct Usage of Segmentation LC Status Field.....	629

7.1.7.3	Correct settings of MAC-i/is header fields.....	633
7.1.7.4	MAC-is/i transport block size selection/ UL QPSK.....	637
7.1.7.5	MAC-is/i transport block size selection/ UL 16QAM	646
7.1.7.6	MAC-is/i transport block size selection (1.28Mcps TDD).....	653
7.1.8	E-DCH MAC-is/i for RACH procedure	655
7.1.8.1	Release of common E-DCH resource when maximum resource allocation for E-DCH expires or uplink transmission ends for CCCH transmission.....	655
7.1.8.2	Activation of HS-DPCCH based on the received SIB5/SIB5bis information.....	660
7.1.8.3	DTCH/DCCH transmission - implicit common E-DCH resource release without receiving E- AGCH	664
7.1.8.4	DTCH/DCCH transmission – explicit common E-DCH resource release by E-AGCH	666
7.1.8.5	RACH procedure with both normal AIs and extended AIs (using E-AICH).	669
7.1.8.6	DTCH/DCCH transmission - Implicit release with E-DCH transmission continuation backoff - Timer Based	674
7.1.8.6a	DTCH/DCCH transmission - Implicit release with E-DCH transmission continuation backoff value set to “0”	678
7.1.8.7	Physical Channel Failure for EUL in CELL-FACH during initial access preamble.....	682
7.1.8.8	Radio Link Failure for Enhanced UL in CELL-FACH with DTCH/DCCH active	685
7.1.8.9	CCCH transmission E-DCH access, the UL transmission within the Scheduling Windows	687
7.1.8.10	DTCH/DCCH transmission with E-RUCCH access for dedicated control signalling or dedicated user data when dedicated E-RNTI is allocated.....	690
7.1.9	E-DCH MAC-is/i for Dual-Cell HSUPA.....	692
7.1.9.1	MAC-i/is multiplexing for Dual-Cell HSUPA.....	692
7.1.9.2	Happy bit setting and SI handling for Dual-Cell HSUPA.....	695
7.1.9.3	Void.....	701
7.1.9.4	Void.....	701
7.1.9.5	Deactivation and activation of secondary uplink frequency using HS-SCCH orders	701
7.1.10	Fallback to R99 PRACH in CELL_FACH.....	705
7.1.10.1	Fallback to R99 PRACH in CELL_FACH / Network indicates fallback to R99 PRACH on CCCH.....	705
7.1.10.2	Fallback to R99 PRACH in CELL_FACH / Network indicates fallback to R99 PRACH on DCCH	712
7.1.11	HS-DSCH MAC-ehs with Multiflow	716
7.1.11.1	Maximum number of re-ordering SDUs with inter-Node B operation on two cells on one frequency.....	716
7.1.11.2	Maximum number of re-ordering SDUs with inter-Node B operation on three cells on two frequencies	718
7.2	RLC testing	719
7.2.0	General.....	719
7.2.0.1	Radio bearer setup.....	719
7.2.1	Transparent mode	720
7.2.1.1	Segmentation and reassembly	720
7.2.2	Unacknowledged mode.....	720
7.2.2.1	General information for UM tests	720
7.2.2.2	Segmentation and reassembly / Selection of 7 or 15 bit "Length Indicators"	720
7.2.2.3	Segmentation and reassembly / 7-bit "Length Indicators" / Padding	722
7.2.2.4	Segmentation and Reassembly / 7-bit "Length Indicators" / LI = 0.....	723
7.2.2.5	Reassembly / 7-bit "Length Indicators" / Invalid LI value.....	725
7.2.2.6	Reassembly / 7-bit "Length Indicators" / LI value > PDU size.....	726
7.2.2.7	Reassembly / 7-bit "Length Indicators" / First data octet LI.....	727
7.2.2.8	Segmentation and reassembly / 15-bit "Length Indicators" / Padding	729
7.2.2.9	Segmentation and Reassembly / 15-bit "Length Indicators" / LI = 0.....	730
7.2.2.10	Segmentation and reassembly / 15-bit "Length Indicators" / One octet short LI	731
7.2.2.11	Reassembly / 15-bit "Length Indicators" / Invalid LI value.....	732
7.2.2.12	Reassembly / 15-bit "Length Indicators" / LI value > PDU size.....	733
7.2.2.13	Reassembly / 15-bit "Length Indicators" / First data octet LI.....	735
7.2.2.14	Flexible handling of RLC PDU sizes for UM RLC in downlink	736
7.2.2.15	Flexible handling of RLC PDU sizes for UM RLC in uplink	738
7.2.2a	Unacknowledged mode (TDD MBSFN) (non-IMB).....	741
7.2.2a.1	P-T-M Radio bearer setup.....	741
7.2.2a.2	Reassembly / 7-bit "Length Indicators" / Invalid LI value (TDD MBSFN)	742
7.2.2a.3	Reassembly / 7-bit "Length Indicators" / LI value > PDU size (TDD MBSFN)	744

7.2.2a.4	Reassembly / 7-bit "Length Indicators" / First data octet LI (TDD MBSFN).....	745
7.2.2a.5	Reassembly / 15-bit "Length Indicators" / Invalid LI value (TDD MBSFN).....	747
7.2.2a.6	Reassembly / 15-bit "Length Indicators" / LI value > PDU size (TDD MBSFN)	748
7.2.2a.7	Reassembly / 15-bit "Length Indicators" / First data octet LI (TDD MBSFN).....	750
7.2.2b	Unacknowledged mode (MBSFN IMB).....	751
7.2.2b.1	P-T-M Radio bearer setup.....	751
7.2.2b.2	Reassembly / 7-bit "Length Indicators" / Invalid LI value (MBSFN IMB)	752
7.2.2b.3	Reassembly / 7-bit "Length Indicators" / LI value > PDU size (MBSFN IMB)	754
7.2.2b.4	Reassembly / 7-bit "Length Indicators" / First data octet LI (MBSFN IMB)	756
7.2.2b.5	Reassembly / 15-bit "Length Indicators" / Invalid LI value (MBSFN IMB)	758
7.2.2b.6	Reassembly / 15-bit "Length Indicators" / LI value > PDU size (MBSFN IMB)	759
7.2.2b.7	Reassembly / 15-bit "Length Indicators" / First data octet LI (MBSFN IMB)	761
7.2.3	Acknowledged mode	762
7.2.3.1	General information for AM tests	762
7.2.3.2	Segmentation and reassembly / Selection of 7 or 15 bit Length Indicators	763
7.2.3.3	Segmentation and Reassembly / 7-bit "Length Indicators" / Padding or Piggy-backed Status	765
7.2.3.4	Segmentation and Reassembly / 7-bit "Length Indicators" / LI = 0.....	767
7.2.3.5	Reassembly / 7-bit "Length Indicators" / Reserved LI value	769
7.2.3.6	Reassembly / 7-bit "Length Indicators" / LI value > PDU size.....	770
7.2.3.7	Segmentation and Reassembly / 15-bit "Length Indicators" / Padding or Piggy-backed Status	771
7.2.3.8	Segmentation and Reassembly / 15-bit "Length Indicators" / LI = 0.....	773
7.2.3.9	Segmentation and reassembly / 15-bit "Length Indicators" / One octet short LI	774
7.2.3.10	Reassembly / 15-bit "Length Indicators" / Reserved LI value	776
7.2.3.11	Reassembly / 15-bit "Length Indicators" / LI value > PDU size.....	777
7.2.3.12	Correct use of Sequence Numbering.....	778
7.2.3.13	Control of Transmit Window	780
7.2.3.14	Control of Receive Window.....	784
7.2.3.15	Polling for status / Last PDU in transmission queue.....	786
7.2.3.16	Polling for status / Last PDU in retransmission queue.....	787
7.2.3.17	Polling for status / Poll every Poll_PDU PDUs	789
7.2.3.18	Polling for status / Poll every Poll_SDU SDUs	791
7.2.3.19	Polling for status / Timer triggered polling (Timer_Poll_Periodic).....	793
7.2.3.20	Polling for status / Polling on Poll_Window% of transmission window	795
7.2.3.21	Polling for status / Operation of Timer_Poll timer / Timer expiry.....	797
7.2.3.22	Polling for status / Operation of Timer_Poll timer / Stopping Timer_Poll timer.....	799
7.2.3.23	Polling for status / Operation of Timer_Poll timer / Restart of the Timer_Poll timer.....	801
7.2.3.24	Polling for status / Operation of timer Timer_Poll_Prohibit.....	803
7.2.3.25	Receiver Status Triggers / Detection of missing PDUs.....	806
7.2.3.26	Receiver Status Triggers / Operation of timer Timer_Status_Periodic.....	807
7.2.3.27	Receiver Status Triggers / Operation of timer Timer_Status_Prohibit	808
7.2.3.28	Status reporting / Abnormal conditions / Reception of LIST SUFI with Length set to zero	810
7.2.3.29	Timer based discard, with explicit signalling / Expiry of Timer_Discard	812
7.2.3.29a	Timer based discard, with explicit signalling / Expiry of Timer_Discard when Timer_STATUS_prohibit is active	814
7.2.3.30	Timer based discard, with explicit signalling / Obsolete MRW_ACK	814
7.2.3.31	Timer based discard, with explicit signalling / Failure of MRW procedure	816
7.2.3.32	SDU discard after MaxDAT-1 number of transmissions	818
7.2.3.33	Operation of the RLC Reset procedure / UE Originated.....	820
7.2.3.34	Operation of the RLC Reset procedure / UE Terminated	824
7.2.3.35	Reconfiguration of RLC parameters by upper layers.....	825
7.2.3.36	Flexible handling of RLC PDU sizes for AM RLC	828
7.2.3.37	RLC PDU Size Adaptation in Uplink	831
7.2.3.38	Flexible handling of RLC PDU sizes for AM RLC in uplink.....	832
7.2.4	MBMS	835
7.2.4.1	Void.....	835
7.2.4.2	MTCH duplicate avoidance and reordering / MBMS Broadcast Service	835
7.2.4.2a	MTCH duplicate avoidance and reordering / MBSFN (FDD).....	838
7.2.4.2b-1	Void.....	842
7.2.4.2m	MTCH duplicate avoidance and reordering / MBMS Multicast Service	842
7.2.4.3	MCCH Out Of Sequence Delivery handling / MBMS Broadcast Service	843
7.2.4.3a	MCCH Out Of Sequence Delivery handling / MBSFN (FDD).....	846
7.2.4.3b-1	Void.....	849

7.2.4.3m	MCCH Out Of Sequence Delivery handling / MBMS Multicast Service.....	849
7.2.4.3n-r	Void.....	850
7.2.4.3s	MCCH Out Of Sequence Delivery handling / MBMS Broadcast Service (TDD MBSFN) (non-IMB).....	850
7.2.4.3t	MCCH Out Of Sequence Delivery handling / MBMS Broadcast Service (IMB).....	861
7.2.5	Multiflow	866
7.2.5.1	RLC Timer_Reordering with Inter-Node B Multiflow operation	866
7.2.5.2	Expiry of RLC Timer_Reordering with Inter-Node B Multiflow operation	868
7.2.5.3	Void.....	870
7.2.5.4	Erroneous Sequence Number Processing with Inter Node B Mutiflow operation	870
7.2.5.5	Void.....	873
7.3	PDCP.....	873
7.3.1	General.....	873
7.3.1.1	General assumptions	873
7.3.1.2	Common Test sequences and Default message contents for PDCP	873
7.3.1.2.1	Common Test sequences for PDCP.....	874
7.3.1.2.2	Default PDCP Message Contents	877
7.3.2	IP Header Compression and PID assignment	879
7.3.2.1	UE in RLC AM	879
7.3.2.1.1	Transmission of uncompressed Header	879
7.3.2.1.2	Transmission of compressed Header	887
7.3.2.2	UE in RLC UM	895
7.3.2.2.1	Transmission of uncompressed Header	895
7.3.2.2.2	Transmission of compressed Header	902
7.3.2.2.3	Extension of used compression methods	909
7.3.2.2.4	Compression type used for different entities	915
7.3.2.2.5	Reception of not defined PID values	921
7.3.3	PDCP sequence numbering when lossless SRNS Relocation.....	925
7.3.3.1	Data transmission if lossless SRNS Relocation is supported.....	925
7.3.3.2	Synchronisation of PDCP sequence numbers	930
7.3.3.3	PDCP Sequence Numbering and Data Forwarding - Reception of reserved PDU type.....	936
7.3.3.4	PDCP Sequence Number synchronization – Reception of invalid next expected receive Sequence Number	936
7.3.3.5	UTRAN MOBILITY INFORMATION: Lossless SRNS relocation in CELL_FACH (without pending of ciphering).....	936
7.3.3.6	Cell Update: Lossless SRNS relocation in CELL_FACH (without pending of ciphering).....	944
7.3.3.7	URA Update: Lossless SRNS relocation in CELL_FACH (without pending of ciphering).....	953
7.3.3.8	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (Lossless SRNS relocation) (without pending of ciphering).....	960
7.3.3.9	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Lossless SRNS relocation) (without pending of ciphering).....	972
7.3.3.10	Radio Bearer Release for transition from CELL_DCH to CELL_DCH: Success (Lossless SRNS relocation) (without pending of ciphering)	985
7.3.3.11	Transport Channel Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Lossless SRNS relocation) (without pending of ciphering).....	993
7.3.4	PDCP configuration testing	1001
7.3.4.1	PDCP configuration behaviour while RRC Radio bearer setup procedure	1001
7.3.4.2	PDCP configuration behaviour while RRC Radio bearer release procedure	1001
7.3.4.3	PDCP configuration behaviour while RRC Cell Update procedure.....	1001
7.3.4.4	PDCP configuration behaviour for an invalid RRC configuration.....	1001
7.3.5	PDCP RoHC testing.....	1001
7.3.5.1	General	1001
7.3.5.1.1	Preamble for extended RoHC conformance testing.....	1001
7.3.5.2	Compression / Decompression of a UDP/RTP/IPv6 header flow	1002
7.3.5.2.1	UDP/RTP/IPv6 Unacknowledged - unidirectional Mode (U-Mode).....	1002
7.3.5.2.2	UDP/RTP/IPv6 Unacknowledged - Normal U-mode Transmission (without ack)	1002
7.3.5.2.3	UDP/RTP/IPv6 Unacknowledged - Bi-directional Optimistic Mode (O-Mode).....	1002
7.3.5.2.4	UDP/RTP/IPv6 Unacknowledged - Bi-directional Reliable Mode (R-Mode)	1002
7.3.5.2.5	UDP/RTP/IPv6 Unacknowledged - Transition Mode	1002
7.3.5.2.6	UDP/RTP/IPv6 Unacknowledged - Flow Parameters	1002
7.3.5.2.7	UDP/RTP/IPv6 Acknowledged - unidirectional Mode (U-Mode)	1002

7.3.5.2.8	UDP/RTP/IPv6 Acknowledged - Normal U-mode Transmission (without ack) using the UE as compressor	1003
7.3.5.2.9	UDP/RTP/IPv6 Acknowledged - Bi-directional Optimistic Mode (O-Mode).....	1003
7.3.5.2.10	UDP/RTP/IPv6 Acknowledged - Bi-directional Reliable Mode (R-Mode)	1003
7.3.5.2.11	UDP/RTP/IPv6 Acknowledged - Transition Mode	1003
7.3.5.2.12	UDP/RTP/IPv6 Acknowledged - Flow Parameters.....	1003
7.3.5.3	ROHC Profile 2,3 and 4. Compression / Decompression of a UDP/IPv6 or ESP/IPv6 or IPv6 header flow.....	1003
7.3.5.3.1	UDP/IPv6 or ESP/IPv6 or IPv6 Unacknowledged - unidirectional Mode (U-Mode)	1003
7.3.5.3.2	UDP/IPv6 or ESP/IPv6 or IPv6 Unacknowledged - Normal U-mode Transmission (without ack).....	1003
7.3.6	PDCP RoHC performance testing	1006
7.3.6.1	General	1006
7.3.6.1.1	Generic ROHC performance test procedure	1006
7.3.6.2	Base test of ROHC RTP O-mode compressor	1007
7.3.6.3	Base test of ROHC RTP R-mode compressor.....	1011
7.3.6.4	Re-establishment of TS function after DTX in O-mode	1016
7.3.6.5	Re-establishment of TS function after DTX in R-mode.....	1019
7.3.6.6	Compressor response to single lost packets in O-mode	1023
7.3.6.7	Compressor response to single lost packets in R-mode	1024
7.3.6.8	TS function during DTX with varying delta in O-mode	1024
7.3.6.9	TS function during DTX with varying delta in R-mode	1027
7.3.6.10	SRNS relocation for ROHC RTP O-mode compressor.....	1031
7.3.7	PDCP AMR Data PDU testing	1037
7.3.7.1	PDCP AMR Data PDU testing.....	1037
7.3.7.2	PDCP Unrecoverable Error Detection	1041
7.4	BMC.....	1050
7.4.1	BMC RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH.....	1050
7.4.1.1	Transport channel parameters of BMC RAB and SRBs for CCCH, SRB for DCCH, and SRB for BCCH.....	1050
7.4.1.2	TFCS	1050
7.4.1.3	Physical channel parameters	1051
7.4.2	General BMC message reception.....	1051
7.4.2.1	UE in RRC Idle mode	1051
7.4.2.2	UE in RRC Connected mode, state CELL_PCH.....	1053
7.4.2.3	UE in RRC Connected mode, state URA_PCH.....	1055
7.4.2.4	UE in RRC Idle mode (ANSI-41 CB data)	1058
7.4.2.5	UE in RRC Connected mode, state CELL_PCH (ANSI-41 CB data)	1060
7.4.2.6	UE in RRC Connected mode, state URA_PCH (ANSI-41 CB data).....	1062
7.4.3	BMC message reception procedure	1065
7.4.3.1	Reception of certain CBS message types	1065
8	Radio Resource Control RRC	1070
8.1	RRC Connection Management Procedure.....	1070
8.1.1	Paging	1070
8.1.1.1	Paging for Connection in idle mode.....	1070
8.1.1.2	Paging for Connection in connected mode (CELL_PCH)	1074
8.1.1.3	Paging for Connection in connected mode (URA_PCH).....	1077
8.1.1.4	Paging for notification of BCCH modification in idle mode	1079
8.1.1.5	Paging for notification of BCCH modification in connected mode (CELL_PCH).....	1083
8.1.1.5a	Paging on HS-DSCH for notification of BCCH modification in CELL_PCH.....	1087
8.1.1.5b	Paging on HS-DSCH for notification of BCCH modification in CELL_PCH (1.28Mcps TDD).....	1090
8.1.1.6	Paging for notification of BCCH modification in connected mode (URA_PCH)	1094
8.1.1.6a	Paging for notification of synchronised BCCH modification in idle mode using BCCH modification time	1098
8.1.1.7	Paging for Connection in connected mode (CELL_DCH).....	1103
8.1.1.8 Paging for Connection in connected mode (CELL_FACH)	1106
8.1.1.9	Paging for Connection in idle mode (multiple paging records)	1108
8.1.1.10	Paging for Connection in connected mode (URA_PCH, multiple paging records).....	1114
8.1.1.11	Paging for Connection in idle mode (Shared Network Environment)	1120
8.1.1.12	Paging for Connection in connected mode (CELL_PCH) without HS-SCCH	1125

8.1.1.12a	Paging for Connection in connected mode (CELL_PCH) without legacy PCH configured (1.28Mcps TDD).....	1129
8.1.1.13	ETWS primary and secondary notification without security reception via S-CCPCH in idle mode, URA_PCH and CELL_PCH state / CELL_FACH state	1135
8.1.1.14	Void.....	1145
8.1.1.15	Void.....	1145
8.1.1.16	Void.....	1145
8.1.1.17	Void.....	1145
8.1.1.18	Void.....	1145
8.1.1.19	ETWS primary and secondary notification / Cell reselection	1145
8.1.1.20	Paging / EAB active	1152
8.1.2	RRC Connection Establishment	1153
8.1.2.1	RRC Connection Establishment in CELL_DCH state: Success	1153
8.1.2.1a	RRC Connection Establishment in CELL_DCH state: Success (TDD Only).....	1158
8.1.2.2	RRC Connection Establishment: Success after T300 timeout	1162
8.1.2.3	RRC Connection Establishment: Failure (V300 is greater than N300).....	1180
8.1.2.4	RRC Connection Establishment: Reject ("wait time" is not equal to 0)	1182
8.1.2.5	RRC Connection Establishment: Reject ("wait time" is not equal to 0 and V300 is greater than N300)	1186
8.1.2.6	RRC Connection Establishment: Reject ("wait time" is set to 0).....	1189
8.1.2.7	RRC Connection Establishment in CELL_FACH state: Success	1191
8.1.2.8	Void.....	1195
8.1.2.9	RRC Connection Establishment: Success after Physical channel failure and Failure after Invalid configuration	1195
8.1.2.10	RRC connection establishment in CELL_DCH on another frequency	1199
8.1.2.10a	RRC connection establishment in CELL_DCH on another frequency in a different frequency band.....	1202
8.1.2.10b	RRC connection establishment in CELL_DCH on another frequency in a different frequency band (TDD a-f band).....	1203
8.1.2.11	RRC Connection Establishment in FACH state (Frequency modification): Success.....	1204
8.1.2.12	RRC Connection Establishment: Reject with interRATInfo is set to GSM	1208
8.1.2.13	RRC Connection Establishment: Reject with InterRATInfo is set to GSM and selection to the designated system fails.....	1209
8.1.2.14	RRC Connection Establishment using the default configuration for 3.4 kbps signalling bearers.....	1211
8.1.2.15	RRC Connection Establishment using the default configuration for 13.6 kbps signalling bearers...	1214
8.1.2.16	RRC Connection Establishment / Domain Specific Access Control: Success.....	1216
8.1.2.17	RRC Connection Establishment for transition from Idle Mode to CELL_DCH: Success (start of E-DCH transmission)	1221
8.1.2.18	RRC Connection Establishment using the default configuration for HS-DSCH / E-DCH signalling bearers	1231
8.1.2.19	RRC Connection Establishment for transition from Idle Mode to CELL_DCH: Success (start of discontinuous uplink transmission and downlink reception)	1233
8.1.2.20	RRC Connection Establishment for transition from Idle Mode to CELL_FACH: Success (Start of HS-DSCH Reception).....	1237
8.1.2.21	RRC Connection Establishment: Reject with Frequency Info set to the same frequency band – Successful case.....	1242
8.1.2.21a	RRC Connection Establishment: Reject with Frequency Info set to a different frequency band – Successful case.....	1247
8.1.2.22	RRC Connection Establishment: Reject with Frequency Info set to the same frequency band – Unsuccessful case	1248
8.1.2.22a	RRC Connection Establishment: Reject with Frequency Info set to a different frequency band – Unsuccessful case	1253
8.1.2.23	Void.....	1254
8.1.2.23a	Void.....	1254
8.1.2.24	Void.....	1254
8.1.2.24a	Void.....	1254
8.1.2.25	RRC Connection Establishment for transition from Idle Mode to CELL_FACH: Success (Start of E-DCH and HS-DSCH Reception).....	1254
8.1.2.26	RRC Connection Establishment / Paging Permission with Access Control: Success	1260
8.1.2.27	Void.....	1267
8.1.3	RRC Connection Release.....	1267
8.1.3.1	RRC Connection Release in CELL_DCH state: Success.....	1267

8.1.3.2	RRC Connection Release using on DCCH in CELL_FACH state: Success	1269
8.1.3.3	RRC Connection Release using on CCCH in CELL_FACH state: Success	1271
8.1.3.4	RRC Connection Release in CELL_FACH state: Failure.....	1273
8.1.3.5	RRC Connection Release in CELL_FACH state: Invalid message	1274
8.1.3.6	RRC Connection Release in CELL_DCH state (Frequency modification): Success	1276
8.1.3.7	RRC Connection Release in CELL_FACH state (Frequency modification): Success.....	1281
8.1.3.8	Void.....	1284
8.1.3.9	RRC Connection Release in CELL_DCH state (Network Authentication Failure): Success	1284
8.1.4	Void	1289
8.1.5	UE capability	1289
8.1.5.1	UE Capability in CELL_DCH state: Success	1289
8.1.5.2	UE Capability in CELL_DCH state: Success after T304 timeout.....	1294
8.1.5.3	UE Capability in CELL_DCH state: Failure (After N304 re-transmissions).....	1296
8.1.5.4	UE Capability in CELL_FACH state: Success	1301
8.1.5.5	UE Capability in CELL_FACH state: Success after T304 timeout	1305
8.1.5.6	UE Capability Information/ Reporting Of InterRAT Specific UE RadioAccessCapability.....	1307
8.1.5.7	UE Capability Information / Audit of UE Capabilities	1308
8.1.6	Direct Transfer	1328
8.1.6.1	Direct Transfer in CELL DCH state (invalid message reception and no signalling connection exists)	1328
8.1.6.2	Direct Transfer in CELL FACH state (invalid message reception and no signalling connection exists)	1330
8.1.6.3	Measurement Report on INITIAL DIRECT TRANSFER message and UPLINK DIRECT TRANSFER message.....	1333
8.1.6.4	UPLINK Direct Transfer (RLC re-establishment)	1339
8.1.6.5	Initial Direct Transfer: Inclusion of establishment cause	1343
8.1.7	Security mode command	1344
8.1.7.1	Security mode command in CELL_DCH state (CS Domain).....	1344
8.1.7.1b	Security mode command in CELL_DCH state (PS Domain)	1349
8.1.7.1c	Security mode control in CELL_DCH state (CN Domain switch and new keys at RRC message sequence number wrap around).....	1355
8.1.7.1d	Security mode control in CELL_DCH state interrupted by a cell update	1361
8.1.7.2	Security mode command in CELL_FACH state	1366
8.1.7.3	Security mode command in CELL_DCH state (UEA2/UIA2, CS Domain).....	1370
8.1.7.3b	Security mode command in CELL_DCH state (UEA2/UIA2, PS Domain)	1371
8.1.7.3c	Security mode control in CELL_DCH state (UEA2/UIA2, CN Domain switch and new keys at RRC message sequence number wrap around)	1372
8.1.7.3d	Security mode control in CELL_DCH state interrupted by a cell update (UEA2/UIA2)	1373
8.1.7.4	Security mode command in CELL_FACH state (UEA2/UIA2)	1374
8.1.8	Counter check	1375
8.1.8.1	Counter check in CELL_DCH state, with symmetric RAB	1375
8.1.8.2	Counter check in CELL_FACH state.....	1379
8.1.8.3	Counter check in CELL_DCH state, with asymmetric RAB	1383
8.1.9	Signalling Connection Release Indication	1393
8.1.9a	Signalling Connection Release Indication (RLC re-establishment): CS signalling connection release..	1395
8.1.9b	Signalling Connection Release Indication (RLC re-establishment): PS signalling connection release..	1398
8.1.9c	Signalling Connection Release Indication in Cell_DCH state when the upper layers of the UE indicate that there is no more PS data for a prolonged period	1401
8.1.9d	No Signalling connection release indication in CELL_DCH state when the upper layers of the UE indicate that there is no more PS data for a prolonged period, CS connection exists	1404
8.1.9e	Signalling Connection Release Indication in CELL_PCH state when the upper layers of the UE indicate that there is no more PS data for a prolonged period/V316 in use	1407
8.1.9f	Signalling Connection Release Indication in Cell_FACH state when the upper layers of the UE indicate that there is no more PS data for a prolonged period	1410
8.1.10	Broadcast of system information	1414
8.1.10.1	Dynamic change of segmentation, concatenation & scheduling and handling of unsupported information blocks	1414
8.1.10.2	BCCH Mapping on HS-DSCH for Transmitting System Information Change Indication	1438
8.1.10.2a	BCCH Mapping on HS-DSCH for Transmitting System Information Change Indication with autonomous reading of Master Information Block Value Tag.....	1443
8.1.10.3	BCCH Mapping on HS-DSCH for Transmitting System Information Change Indication (1.28Mcps TDD).....	1447

8.1.11	Signalling Connection Release (Invalid configuration).....	1452
8.1.12	Integrity Protection	1455
8.2	Radio Bearer control procedure.....	1459
8.2.1	Radio Bearer Establishment.....	1459
8.2.1.1	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success	1459
8.2.1.1a	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (TDD Only)	1460
8.2.1.2	Void.....	1462
8.2.1.3	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Failure (Unsupported configuration).....	1462
8.2.1.4	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Failure (Physical channel Failure and successful reversion to old configuration)	1465
8.2.1.4a	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (start of MIMO operation for 1.28Mcps TDD only)	1468
8.2.1.4b	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (start of SPS operation).....	1470
8.2.1.4c	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (start of Control Channel DRX operation)	1472
8.2.1.5	Void.....	1474
8.2.1.6	Void.....	1474
8.2.1.7	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Failure (Invalid message reception and Invalid configuration).....	1474
8.2.1.8	Radio Bearer Establishment for transition from CELL_DCH to CELL_FACH: Success	1479
8.2.1.9	Radio Bearer Establishment for transition from CELL_DCH to CELL_FACH: Success (Cell re-selection)	1481
8.2.1.10	Radio Bearer Establishment for transition from CELL_FACH to CELL_DCH: Success	1483
8.2.1.10a	Radio Bearer Establishment for transition from CELL_FACH to CELL_DCH: Success (TDD Only)	1484
8.2.1.11	Radio Bearer Establishment for transition from CELL_FACH to CELL_DCH: Failure (Unsupported configuration)	1486
8.2.1.12	Radio Bearer Establishment for transition from CELL_FACH to CELL_DCH: Failure (Physical channel Failure and successful reversion to old configuration)	1489
8.2.1.13	Radio Bearer Establishment for transition from CELL_FACH to CELL_DCH: Failure (Physical channel Failure and cell reselection)	1493
8.2.1.14	Radio Bearer Establishment for transition from CELL_FACH to CELL_DCH: Failure (Incompatible simultaneous reconfiguration)	1497
8.2.1.15	Void.....	1500
8.2.1.16	Radio Bearer Establishment for transition from CELL_FACH to CELL_FACH: Success.....	1500
8.2.1.17	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: success (Subsequently received)	1502
8.2.1.18	Radio Bearer Establishment for transition from CELL_FACH to CELL_DCH: Success (Subsequently received)	1504
8.2.1.19	Void.....	1507
8.2.1.20	Void.....	1507
8.2.1.21	Void.....	1507
8.2.1.22	Radio Bearer Establishment for transition from CELL_DCH to CELL_FACH (Frequency modification): Success	1507
8.2.1.23	Radio Bearer Establishment for transition from CELL_FACH to CELL_DCH (Frequency modification): Success	1510
8.2.1.24	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH (Frequency modification): Success	1512
8.2.1.24a	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH (Inter band handover): Success.....	1515
8.2.1.24b	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH (Inter band handover): Success(TDD a-f band).....	1516
8.2.1.25	Radio Bearer Establishment for transition from CELL_FACH to CELL_FACH (Frequency modification): Success	1516
8.2.1.26	Void.....	1519
8.2.1.27	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (two radio links, start of HS-DSCH reception).....	1519
8.2.1.27a	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (start of HS-DSCH reception)	1526

8.2.1.27b	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (start of HS-DSCH reception) (TDD only).....	1529
8.2.1.27c	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (inter-band frequency hard handover, start of HS-DSCH reception, LCR TDD band a-f).....	1533
8.2.1.27d	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (start of HS-DSCH reception) (In a different frequency band)	1537
8.2.1.28	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (RB mapping for both DL DCH and HS-DSCH in cell without HS-DSCH support)	1538
8.2.1.29	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (Timing re-initialized hard handover to another frequency, uplink TFCS restriction and start of HS-DSCH reception)	1543
8.2.1.30	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (Timing re-initialised hard handover to another frequency, start of HS-DSCH reception).....	1549
8.2.1.31	Radio Bearer Establishment for transition from CELL_FACH to CELL_DCH: Success (start of HS-DSCH reception)	1555
8.2.1.32	Radio Bearer Establishment for transition from CELL_FACH to CELL_DCH: Success (start of HS-DSCH reception with frequency modification)	1560
8.2.1.33	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (Unsynchronised RL Reconfiguration)	1567
8.2.1.34	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (Unsynchronised RL Reconfiguration with frequency modification).....	1569
8.2.1.34a	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (Unsynchronised RL Reconfiguration with inter band handover)	1572
8.2.1.34b	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (Unsynchronised RL Reconfiguration with inter band handover)(TDD a-f band).....	1572
8.2.1.35	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (start of E-DCH transmission).....	1573
8.2.1.35a	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (start of E-DCH transmission, in the multi-frequency network environment, for 1.28 Mcps TDD only).....	1582
8.2.1.36	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (hard handover to another frequency, start of E-DCH transmission)	1592
8.2.1.36a	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH using F-DPCH: Success (hard handover to another frequency, start of E-DCH transmission, F-DPCH configured)	1602
8.2.1.36b	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (hard handover to another frequency in the multi-frequency network environment, start of E-DCH transmission, for 1.28Mcps TDD only).....	1603
8.2.1.37	Void.....	1614
8.2.1.38	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (start of discontinuous uplink transmission)	1614
8.2.1.39	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (start of HS-SCCH less operation)	1618
8.2.1.40	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (hard handover to another frequency, start of discontinuous uplink transmission)	1621
8.2.1.41	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (UL DPCH slot format #4).....	1624
8.2.1.42	Radio Bearer Establishment for transition from CELL_FACH (Enhanced UL/DL) to CELL_DCH : Success (with ongoing HS-DSCH reception and E-DCH transmission)	1626
8.2.1.43	Radio Bearer Establishment for transition from CELL_DCH to CELL_DCH: Success (start of E-DCH transmission with enhanced TS0) (1.28 Mcps TDD).....	1627
8.2.1.44	Radio Bearer Establishment for transition between CELL_DCH & CELL_DCH with SRBs mapped on DCH: Successful Activation of 3C-HSDPA and 4C-HSDPA for different bands	1629
8.2.1.44.1	Radio Bearer Establishment for transition between CELL_DCH & CELL_DCH with SRB on DCH: Successful Activation of 3C-HSDPA for single band.....	1629
8.2.1.44.2	Radio Bearer Establishment for transition between CELL_DCH & CELL_DCH with SRB mapped on DCH : Successful Activation of 3C-HSDPA for dual bands (1-2)	1633
8.2.1.44.3	Radio Bearer Establishment for transition between CELL_DCH & CELL_DCH with SRBs mapped on DCH: Successful Activation of 3C-HSDPA for Dual bands (2-1)	1634
8.2.1.44.4	Radio Bearer Establishment for transition between CELL_DCH & CELL_DCH with SRBs mapped on DCH: Successful Activation of 4C-HSDPA for Dual Bands (3-1).....	1635
8.2.1.44.5	Radio Bearer Establishment for transition between CELL_DCH & CELL_DCH with SRBs mapped on DCH: Successful Activation of 4C-HSDPA for Dual Bands (2-2).....	1636

8.2.1.45	Radio Bearer Establishment for transition between CELL_DCH and CELL_DCH with SRBs mapped on DCH: Successful Activation of Multiflow HSDPA for Single and Dual bands/Intra Node B	1637
8.2.1.45.1	Radio Bearer Establishment for transition between CELL_DCH and CELL_DCH with SRBs mapped on DCH: Successful Activation of 2cell/single frequency Multiflow HSDPA , Intra-NodeB.....	1637
8.2.1.45.2	Radio Bearer Establishment for transition between CELL_DCH and CELL_DCH with SRBs mapped on DCH: Successful Activation of 3 cell/two frequencies Multiflow HSDPA for Single band, Intra-NodeB	1644
8.2.1.45.3	Radio Bearer Establishment for transition between CELL_DCH and CELL_DCH with SRBs mapped on DCH: Successful Activation of 3 cells/two frequencies Multiflow HSDPA for Dual Bands, intra-NodeB	1646
8.2.1.46	Radio Bearer Establishment for transition between CELL_DCH and CELL_DCH with SRBs mapped on DCH: Successful Activation of Multiflow HSDPA for different bands/Inter Node B, 16QAM/64QAM, 16QAM, assisting serving cell as time reference cell.....	1647
8.2.1.46.1	Radio Bearer Establishment for transition between CELL_DCH and CELL_DCH with SRBs mapped on DCH: Successful Activation of 2cell/single frequency Multiflow HSDPA for single band, inter-NodeB, 16QAM/64QAM, 16QAM, assisting serving cell as time reference cell	1647
8.2.1.46.2	Radio Bearer Establishment for transition between CELL_DCH and CELL_DCH with SRBs mapped on DCH: Successful Activation of 3 cell/two frequencies Multiflow HSDPA for single band, inter-NodeB, 16QAM/64QAM, 16QAM, assisting serving cell as time reference cell	1651
8.2.1.46.3	Radio Bearer Establishment for transition between CELL_DCH and CELL_DCH with SRBs mapped on DCH: Successful Activation of 3 cells/two frequencies Multiflow HSDPA for dual bands, inter-NodeB, 16QAM/64QAM, 16QAM, assisting serving cell as time reference cell	1653
8.2.1.47	Radio Bearer Establishment for transition between CELL_DCH and CELL_DCH with SRBs mapped on DCH: Successful Activation of DCH Enhancements in Basic Mode.....	1654
8.2.1.48	Radio Bearer Establishment for transition between CELL_DCH and CELL_DCH with SRBs mapped on DCH: Successful Activation of DCH Enhancements in Full Mode	1660
8.2.2	Radio Bearer Reconfiguration	1665
8.2.2.1	Radio Bearer Reconfiguration from CELL_DCH to CELL_DCH: Success.....	1665
8.2.2.1a	Radio Bearer Reconfiguration from CELL_DCH to CELL_DCH: Success (TDD Only)	1675
8.2.2.2	Radio Bearer Reconfiguration from CELL_DCH to CELL_DCH: Failure (Unsupported configuration).....	1685
8.2.2.3	Void.....	1688
8.2.2.4	Radio Bearer Reconfiguration from CELL_DCH to CELL_DCH: Failure (Physical channel failure and cell reselection)	1688
8.2.2.5	Void.....	1693
8.2.2.6	Void.....	1693
8.2.2.7	Radio Bearer Reconfiguration from CELL_DCH to CELL_DCH: Success (Continue and stop)	1693
8.2.2.8	Radio Bearer Reconfiguration from CELL_DCH to CELL_FACH: Success	1696
8.2.2.9	Radio Bearer Reconfiguration from CELL_DCH to CELL_FACH: Success (Cell re-selection).....	1700
8.2.2.10	Radio Bearer Reconfiguration: from CELL_FACH to CELL_DCH including modification of previously signalled CELL_DCH configuration: Success	1705
8.2.2.11	Radio Bearer Reconfiguration from CELL_FACH to CELL_DCH: Failure (Unsupported configuration).....	1709
8.2.2.11a	Radio Bearer Reconfiguration from CELL_FACH to CELL_DCH: Failure (Unsupported configuration) (1.28 Mcps TDD Only)	1711
8.2.2.12	Void.....	1713
8.2.2.13	Void.....	1713
8.2.2.14	Void.....	1713
8.2.2.15	Void.....	1713
8.2.2.16	Void.....	1713
8.2.2.17	Radio Bearer Reconfiguration from CELL_FACH to CELL_FACH: Success	1713
8.2.2.18	Radio Bearer Reconfiguration from CELL_FACH to CELL_FACH: Success (Cell re-selection)...	1717
8.2.2.19	Radio Bearer Reconfiguration from CELL_DCH to CELL_DCH: Success (Subsequently received).....	1722
8.2.2.20	Void.....	1735
8.2.2.21	Void.....	1735
8.2.2.22	Void.....	1735

8.2.2.23	Radio Bearer Reconfiguration from CELL_FACH to CELL_PCH: Success	1735
8.2.2.24	Void.....	1739
8.2.2.25	Void.....	1739
8.2.2.26	Radio Bearer Reconfiguration from CELL_DCH to CELL_DCH: Success (Incompatible Simultaneous Reconfiguration).....	1739
8.2.2.27	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_DCH (Frequency modification): Success	1743
8.2.2.28	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_FACH (Transport channel type switching with frequency modification): Success.....	1745
8.2.2.29	Void.....	1748
8.2.2.30	Void.....	1748
8.2.2.31	Radio Bearer Reconfiguration for transition from CELL_FACH to CELL_DCH (Frequency modification): Success	1748
8.2.2.32	Radio Bearer Reconfiguration for transition from CELL_FACH to CELL_FACH (Frequency modification): Success	1751
8.2.2.33	Void.....	1754
8.2.2.34	Radio Bearer Reconfiguration for transition from CELL_FACH to URA_PCH (Frequency modification): Success	1754
8.2.2.35	Radio Bearer Reconfiguration from CELL_DCH to CELL_FACH: Successful channel switching with multiple PS RABs established	1757
8.2.2.36	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Start and stop of HS-DSCH reception).....	1769
8.2.2.36a	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Start and stop of HS-DSCH reception) (TDD only).....	1781
8.2.2.36b	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_DCH: Success ((inter-band frequency hard handover, Start and stop of HS-DSCH reception, LCR TDD band a-f)).....	1786
8.2.2.36c	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Start and stop of HS-DSCH reception)(In a different frequency band).....	1794
8.2.2.37	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_FACH and from CELL_FACH to CELL_DCH: Success (start and stop of HS-DSCH reception)	1795
8.2.2.38	Radio Bearer Reconfiguration from CELL_DCH to CELL_DCH: Success (with active HS-DSCH reception).....	1808
8.2.2.39	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Timing re-initialised hard handover to another frequency, start and stop of HS-DSCH reception)	1812
8.2.2.40	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_FACH and from CELL_FACH to CELL_DCH: Success (frequency modification, start and stop of HS-DSCH reception)	1821
8.2.2.41	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Start and stop of HS-DSCH reception, during an active CS bearer)	1837
8.2.2.42	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Timing re-initialised hard handover to another frequency, start and stop of HS-DSCH reception, during an active CS bearer)	1844
8.2.2.43	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Seamless SRNS relocation, without pending of ciphering, frequency modification).....	1855
8.2.2.43a	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Seamless SRNS relocation, UEA2/UIA2, without pending of ciphering, frequency modification).....	1879
8.2.2.43b	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Seamless SRNS relocation, change of ciphering and integrity protection algorithms, frequency modification).....	1880
8.2.2.44	Radio Bearer Reconfiguration from CELL_DCH to CELL_DCH: Success (With active E-DCH transmission)	1898
8.2.2.44a	Radio Bearer Reconfiguration from CELL_DCH to CELL_DCH: Success (With active E-DCH transmission, F-DPCH configured).....	1902
8.2.2.45	Radio Bearer Reconfiguration for transition from CELL_FACH to CELL_DCH and CELL_DCH to CELL_FACH: Success (start and stop of E-DCH transmission).....	1903
8.2.2.45a	Radio Bearer Reconfiguration for transition from CELL_FACH to CELL_DCH and CELL_DCH to CELL_FACH: Success (start and stop of E-DCH transmission, in the multi-frequency network environment, for 1.28Mcps TDD only).....	1924
8.2.2.46	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (hard handover to another frequency, start and stop of E-DCH transmission).....	1941

8.2.2.46a	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_DCH Success (inter-band frequency hard handover, start and stop of E-DCH transmission, LCR TDD band a-f)	1962
8.2.2.47	Radio Bearer Reconfiguration for transition from CELL_FACH to CELL_DCH and CELL_DCH to CELL_FACH: Success (frequency modification, start and stop of E-DCH transmission)	1972
8.2.2.47a	Radio Bearer Reconfiguration for transition from CELL_FACH to CELL_DCH and CELL_DCH to CELL_FACH: Success (frequency modification, start and stop of E-DCH transmission, F-DPCH Configured).....	2005
8.2.2.47b	Radio Bearer Reconfiguration for transition from CELL_FACH to CELL_DCH and CELL_DCH to CELL_FACH: Success (frequency modification in the multi-frequency network environment, start and stop of E-DCH transmission, for 1.28Mcps TDD only).....	2013
8.2.2.48	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Start and stop of E-DCH transmission)	2032
8.2.2.49	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_PCH: Success (stop of E-DCH transmission)	2051
8.2.2.50	Radio Bearer Reconfiguration from CELL_DCH to CELL_DCH: Success (from speech to speech plus PS data with modification of downlink spreading factor)	2062
8.2.2.51	Radio Bearer Reconfiguration from CELL_DCH to CELL_DCH: Success (With active discontinuous uplink transmission).....	2068
8.2.2.52	Radio Bearer Reconfiguration for transition from CELL_FACH to CELL_DCH and CELL_DCH to CELL_FACH: Success (start and stop of discontinuous uplink transmission).....	2071
8.2.2.53	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (hard handover to another frequency, start and stop of discontinuous uplink transmission).....	2082
8.2.2.54	Radio Bearer Reconfiguration for transition from CELL_FACH to CELL_DCH and CELL_DCH to CELL_FACH: Success (frequency modification, start and stop of discontinuous uplink transmission)	2093
8.2.2.55	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Start and stop of discontinuous uplink transmission)	2105
8.2.2.56	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_PCH: Success (stop of discontinuous uplink transmission)	2115
8.2.2.57	Radio Bearer Reconfiguration from CELL_DCH to CELL_DCH: Success (Reconfiguration between fixed and flexible AM RLC, Serving HS-DSCH cell change between MAC-hs and MAC-ehs).....	2122
8.2.2.57a	Radio Bearer Reconfiguration from CELL_DCH to CELL_DCH: Success (Reconfiguration between fixed and flexible AM RLC, Serving HS-DSCH cell change between MAC-hs and MAC-ehs) with SRBs mapped on E-DCH/DCH	2149
8.2.2.58	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Reconfigurations between CS voice over DCH and CS voice over HSPA)	2165
8.2.2.59	Radio Bearer Reconfiguration from Cell FACH (Cell supporting HS-DSCH in Cell FACH) to CELL_FACH(Cell not supporting HS-DSCH in Cell FACH): Success (Cell re-selection)	2171
8.2.2.59a	Radio Bearer Reconfiguration from Cell FACH (Cell supporting E-DCH and HS-DSCH in Cell FACH) to CELL_FACH(Cell not supporting E-DCH and HS-DSCH in Cell FACH): Success (Cell re-selection)(1.28Mcps TDD only)	2178
8.2.2.60	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_FACH and CELL_FACH to CELL_DCH: Success (with HS-DSCH reception in Enhanced FACH DL).....	2185
8.2.2.60a	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_FACH and CELL_FACH to CELL_DCH: Success (with ongoing E-DCH transmission and HS-DSCH reception) (1.28Mcps TDD only).....	2194
8.2.2.61	Radio Bearer Reconfiguration from CELL_DCH to CELL_DCH: Success (Reconfiguration between fixed and flexible AM RLC, Serving E-DCH cell change between MAC-e/es and MAC-i/is)	2206
8.2.2.62	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (activation and deactivation of MIMO).....	2222
8.2.2.63	Radio Bearer Reconfiguration from CELL_DCH to CELL_DCH: Success (activation and deactivation of 64QAM)	2225
8.2.2.63a	Radio Bearer Reconfiguration from CELL_DCH to CELL_DCH with SRBs on E-DCH/DCH : Success (activation and de-activation of 64QAM).....	2228
8.2.2.64	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (simultaneous activation and deactivation of 64QAM and MIMO).....	2231
8.2.2.65	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_FACH (Enhanced UL/DL) Success	2236

8.2.2.66	Radio Bearer Reconfiguration for transition from CELL_FACH to CELL_DCH and CELL_DCH to CELL_FACH: Success (start and stop of SPS operation)	2243
8.2.2.67	Radio Bearer Reconfiguration for transition from CELL_FACH to CELL_DCH and CELL_DCH to CELL_FACH: Success (start and stop of Control Channel DRX operation)	2251
8.2.2.68	Radio Bearer Reconfiguration for transition between CELL_FACH & CELL_DCH: Success (simultaneous activation and deactivation of Dual-Cell and MIMO)	2259
8.2.2.68a	Radio Bearer Reconfiguration for transition between CELL_FACH & CELL_DCH: Success (simultaneous activation and deactivation of Dual-Cell for different bands and MIMO).....	2270
8.2.2.69	Radio Bearer Reconfiguration for transition between CELL_FACH & CELL_DCH: Success (simultaneous activation and deactivation of Dual-Cell, MIMO and 64QAM)	2270
8.2.2.69a	Radio Bearer Reconfiguration for transition between CELL_FACH & CELL_DCH: Success (simultaneous activation and deactivation of Dual-Cell for different bands, MIMO and 64QAM) .	2281
8.2.2.70	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_DCH with PCI Restrictions and S-CPICH Power Offset IEs: Success (64QAM +MIMO)	2281
8.2.2.71	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_DCH with PCI Restrictions and S-CPICH Power Offset IEs: Success (16QAM +MIMO)	2291
8.2.2.72	Radio Bearer Reconfiguration for S-CPICH based MIMO with DPCH in STTD: (16QAM +MIMO).....	2300
8.2.2.73	FFS	2307
8.2.2.74	Radio Bearer Reconfiguration for transition between CELL_FACH & CELL_DCH: Success Activation and Deactivation of Dual-Cell for different band.....	2307
8.2.2.75	Radio Bearer Reconfiguration for transition between CELL_FACH & CELL_DCH: Success Activation and Deactivation of Dual-Cell for different bands and 64QAM	2318
8.2.2.76	Radio Bearer Reconfiguration for transition between CELL_FACH and CELL_DCH: Success (start and stop Dual-Cell HSUPA (QPSK) and Dual-Cell HSDPA (16QAM) operation)	2329
8.2.2.77	Radio Bearer Reconfiguration for transition between CELL_FACH and CELL_DCH: Success (Dual-Cell HSUPA (QPSK) and Dual-Cell HSDPA (64QAM))	2341
8.2.2.78	Radio Bearer Reconfiguration for transition between CELL_FACH and CELL_DCH: Success (start and stop Dual-Cell HSUPA (16QAM) and Dual-Cell HSDPA (16QAM) operation)	2355
8.2.2.79	Radio Bearer Reconfiguration for transition between CELL_FACH & CELL_DCH: Success (simultaneous activation and deactivation of 3C-HSDPA or 4C-HSDPA, MIMO and 64QAM)	2367
8.2.2.79.1	Radio Bearer Reconfiguration for transition between CELL_FACH & CELL_DCH: Successful Activation and Deactivation of 3C-HSDPA Single Band, 64 QAM and MIMO	2367
8.2.2.79.2	Radio Bearer Reconfiguration for transition between CELL_FACH & CELL_DCH: Successful Activation and Deactivation of 3C-HSDPA Dual Bands, 64 QAM and MIMO (1-2).....	2384
8.2.2.79.3	Radio Bearer Reconfiguration for transition between CELL_FACH & CELL_DCH: Successful Activation and Deactivation of 3C-HSDPA Dual Bands, 64 QAM and MIMO (2-1).....	2385
8.2.2.79.4	Radio Bearer Reconfiguration for transition between CELL_FACH & CELL_DCH: Successful Activation and Deactivation of 4C-HSDPA Dual Bands, 64 QAM and MIMO (3-1).....	2386
8.2.2.79.5	Radio Bearer Reconfiguration for transition between CELL_FACH & CELL_DCH: Successful Activation and Deactivation of 4C-HSDPA Dual Bands, 64 QAM and MIMO (2-2).....	2389
8.2.2.80	Radio Bearer Reconfiguration for transition between CELL_FACH & CELL_DCH: Successful Activation and Deactivation of 3C-HSDPA and 4C-HSDPA for different bands and 64 QAM	2390
8.2.2.80.1	Radio Bearer Reconfiguration for transition between CELL_FACH & CELL_DCH: Successful Activation and Deactivation of 3C-HSDPA and for Single Band and 64 QAM	2390
8.2.2.80.2	Radio Bearer Reconfiguration for transition between CELL_FACH & CELL_DCH: Successful Activation and Deactivation of 3C-HSDPA Dual Band and 64 QAM (1-2)	2400
8.2.2.80.3	Radio Bearer Reconfiguration for transition between CELL_FACH & CELL_DCH: Successful Activation and Deactivation of 3C-HSDPA Dual Band and 64 QAM (2-1)	2400
8.2.2.80.4	Radio Bearer Reconfiguration for transition between CELL_FACH & CELL_DCH: Successful Activation and Deactivation of 4C-HSDPA for Dual Bands and 64 QAM (3-1).....	2401
8.2.2.80.5	Radio Bearer Reconfiguration for transition between CELL_FACH & CELL_DCH: Successful Activation and Deactivation of 4C-HSDPA for Dual Bands and 64 QAM (2-2).....	2405
8.2.2.81	Radio Bearer Reconfiguration: 3C or 4C Activation by Serving Cell Change from non 3C-HSDPA or 4C-HSDPA capable cell to a 3C-HSDPA or 4C-HSDPA capable cell	2406
8.2.2.81.1	Radio Bearer Reconfiguration: 3C Activation by Serving Cell Change from non 3C-HSDPA capable cell to a 3C-HSDPA capable cell/Single Band	2406

8.2.2.81.2	Radio Bearer Reconfiguration: 3C Activation by Serving Cell Change from non 3C-HSDPA capable cell to 3C-HSDPA capable cell/Dual Band (1-2).....	2415
8.2.2.81.3	Radio Bearer Reconfiguration: 3C Activation by Serving Cell Change from non 3C-HSDPA capable cell to 3C-HSDPA capable cell/Dual Band (2-1).....	2416
8.2.2.81.4	Radio Bearer Reconfiguration: 4C Activation by Serving Cell Change from non 4C-HSDPA capable cell to a 4C-HSDPA capable cell/Dual Band (3-1).....	2417
8.2.2.81.5	Radio Bearer Reconfiguration: 4C Activation by Serving Cell Change from non 4C-HSDPA capable cell to a 4C-HSDPA capable cell/Dual Band (2-2).....	2421
8.2.2.82	Radio Bearer Reconfiguration: 3C or 4C Deactivation by Serving Cell Change from 3C-HSDPA or 4C-HSDPA capable cell to a non 3C-HSDPA or 4C-HSDPA capable cell.....	2422
8.2.2.82.1	Radio Bearer Reconfiguration: 3C Deactivation by Serving Cell Change from 3C-HSDPA capable cell to a non 3C-HSDPA capable cell/Single Band.....	2422
8.2.2.82.2	Radio Bearer Reconfiguration: 3C Deactivation by Serving Cell Change from 3C-HSDPA capable cell to a non 3C-HSDPA capable cell/Dual Band (1-2).....	2430
8.2.2.82.3	Radio Bearer Reconfiguration: 3C Deactivation by Serving Cell Change from 3C-HSDPA capable cell to a non 3C-HSDPA capable cell/Dual Band (2-1).....	2431
8.2.2.82.4	Radio Bearer Reconfiguration: 4C Deactivation by Serving Cell Change from 4C-HSDPA capable cell to a non 4C-HSDPA capable cell/Dual Band (3-1).....	2432
8.2.2.82.5	Radio Bearer Reconfiguration: 4C Deactivation by Serving Cell Change from 4C-HSDPA capable cell to a non 4C-HSDPA capable cell/Dual Band (2-2).....	2436
8.2.2.83	Radio Bearer Reconfiguration for transition between CELL_DCH & CELL_DCH with SRBs on DCH: Successful Activation and Deactivation of 3C-HSDPA and 4C-HSDPA for different bands and 64 QAM.....	2437
8.2.2.83.1	Radio Bearer Reconfiguration for transition between CELL_DCH & CELL_DCH with SRBs on DCH: Successful Activation and Deactivation of 3C-HSDPA / Single band and 64 QAM.....	2437
8.2.2.83.2	Radio Bearer Reconfiguration for transition between CELL_DCH & CELL_DCH with SRBs on DCH: Successful Activation and Deactivation of 3C-HSDPA / Dual band and 64 QAM (1-2).....	2447
8.2.2.83.3	Radio Bearer Reconfiguration for transition between CELL_DCH & CELL_DCH with SRB on DCH: Successful Activation and Deactivation of 3C-HSDPA / Dual band and 64 QAM (2-1).....	2448
8.2.2.83.4	Radio Bearer Reconfiguration for transition between CELL_DCH & CELL_DCH with SRBs on DCH: Successful Activation and Deactivation of 4C-HSDPA / Dual band and 64 QAM (3-1).....	2448
8.2.2.83.5	Radio Bearer Reconfiguration for transition between CELL_DCH & CELL_DCH with SRBs on DCH: Successful Activation and Deactivation of 4C-HSDPA / Dual band and 64 QAM (2-2).....	2451
8.2.2.84	Radio Bearer Reconfiguration for transition from CELL_DCH to CELL_DCH and from CELL_DCH to CELL_FACH: Success (Seamless SRNS relocation, without pending of ciphering, frequency modification, Default radio configuration for Cell_FACH).....	2452
8.2.2.85	Radio Bearer Reconfiguration for transition between CELL_FACH and CELL_DCH: Successful Activation and Deactivation of Multiflow HSDPA, 16 QAM.....	2458
8.2.2.85.1	Radio Bearer Reconfiguration for transition between CELL_FACH & CELL_DCH: Successful Activation and Deactivation of 2cell/Single frequency on Single Band, intra-NodeB, 16 QAM.....	2459
8.2.2.85.2	Radio Bearer Reconfiguration for transition between CELL_FACH and CELL_DCH: Successful Activation and Deactivation of 3cell/two frequency on Dual Bands, inter-NodeB, 16 QAM.....	2474
8.2.2.86	Radio Bearer Reconfiguration for transition between CELL_DCH & CELL_DCH with SRBs mapped on DCH: Successful Activation and Deactivation of Multiflow HSDPA.....	2482
8.2.2.86.1	Radio Bearer Reconfiguration for transition between CELL_DCH & CELL_DCH with SRBs mapped on DCH: Successful Activation and Deactivation of two cell/Single frequency Multiflow HSDPA / Single Band.....	2482
8.2.2.86.2	Radio Bearer Reconfiguration for transition between CELL_DCH & CELL_DCH with SRBs mapped on DCH: Successful Activation and Deactivation of three cell/Two frequency Multiflow HSDPA / Single Band.....	2487
8.2.2.86.3	Radio Bearer Reconfiguration for transition between CELL_DCH & CELL_DCH with SRBs mapped on DCH: Successful Activation and Deactivation of three cell/Two frequency Multiflow HSDPA / Dual Band.....	2489
8.2.2.87	Radio Bearer Reconfiguration: two cell/single frequency or 3 cell/two frequencies Activation by Assisting Serving Cell Change from Multiflow HSDPA capable cell to Multiflow HSDPA capable cell.....	2491

8.2.2.87.1	Radio Bearer Reconfiguration: two cell/single frequency Activation by Assisting Serving Cell Change from Multiflow HSDPA capable cell to Multiflow HSDPA capable cell/Single Band	2491
8.2.2.87.2	Radio Bearer Reconfiguration: 3 cell/two frequencies Activation by Assisting Serving Cell Change from Multiflow capable cell to Multiflow capable cell/Single Band.....	2499
8.2.2.87.3	Radio Bearer Reconfiguration: 3 cell/two frequencies Activation by Assisting Serving Cell Change from Multiflow capable cell to Multiflow capable cell/Dual Band.....	2501
8.2.2.88	Radio Bearer Reconfiguration for transition between CELL_PCH and CELL_DCH with SRBs mapped on DCH: Successful Activation of Multiflow HSDPA	2503
8.2.2.88.1	Radio Bearer Reconfiguration for transition between CELL_PCH and CELL_DCH with SRBs mapped on DCH: Successful Activation of two cell/Single frequency Multiflow HSDPA/Single Band	2503
8.2.2.88.2	Radio Bearer Reconfiguration for transition between CELL_PCH and CELL_DCH with SRBs mapped on DCH: Successful Activation of three cell/Two frequency Multiflow HSDPA/Single Band	2511
8.2.2.88.3	Radio Bearer Reconfiguration for transition between CELL_PCH and CELL_DCH with SRBs mapped on DCH: Successful Activation of three cell/Two frequency Multiflow HSDPA/Dual Band.....	2513
8.2.2.89	Void.....	2515
8.2.2.90	Void.....	2515
8.2.2.91	Radio Bearer Reconfiguration for transition to CELL_DCH with SRBs mapped on DCH: Successful Activation and Deactivation of DCH Enhancement in Basic Mode	2515
8.2.2.92	Radio Bearer Reconfiguration for transition to CELL_DCH with SRBs mapped on DCH: Successful Activation and Deactivation of DCH Enhancement in Full Mode.....	2520
8.2.3	Radio Bearer Release.....	2525
8.2.3.1	Radio Bearer Release for transition from CELL_DCH to CELL_DCH: Success.....	2525
8.2.3.1a	Radio Bearer Release for transition from CELL_DCH to CELL_DCH: Success (TDD Only).....	2526
8.2.3.2	Void.....	2529
8.2.3.3	Void.....	2529
8.2.3.4	Void.....	2529
8.2.3.5	Void.....	2529
8.2.3.6	Void.....	2529
8.2.3.7	Radio Bearer Release for transition from CELL_DCH to CELL_FACH: Success	2529
8.2.3.8	Radio Bearer Release for transition from CELL_DCH to CELL_FACH: Success (Cell re-selection)	2531
8.2.3.9	Radio Bearer Release for transition from CELL_FACH to CELL_DCH: Success	2534
8.2.3.10	Void.....	2535
8.2.3.11	Radio Bearer Release for transition from CELL_FACH to CELL_DCH: Failure (Physical channel failure and successful reversion to old configuration)	2535
8.2.3.12	Void.....	2539
8.2.3.13	Void.....	2539
8.2.3.14	Void.....	2539
8.2.3.15	Radio Bearer Release for transition from CELL_FACH to CELL_FACH: Success	2539
8.2.3.16	Radio Bearer Release for transition from CELL_DCH to CELL_DCH: Success (Subsequently received).....	2542
8.2.3.17	Radio Bearer Release for transition from CELL_FACH to CELL_DCH: Success (Subsequently received).....	2544
8.2.3.18	Radio Bearer Release from CELL_DCH to CELL_PCH: Success.....	2547
8.2.3.19	Radio Bearer Release from CELL_DCH to URA_PCH: Success	2549
8.2.3.20	Radio Bearer Release for transition from CELL_DCH to CELL_FACH (Frequency modification): Success	2551
8.2.3.21	Radio Bearer Release from CELL_DCH to CELL_PCH (Frequency modification): Success	2555
8.2.3.22	Radio Bearer Release for transition from CELL_FACH to CELL_PCH: Success	2559
8.2.3.23	Radio Bearer Release for transition from CELL_FACH to URA_PCH: Success.....	2561
8.2.3.24	Radio Bearer Release for transition from CELL_DCH to CELL_DCH (Frequency modification): Success	2563
8.2.3.25	Radio Bearer Release for transition from CELL_DCH to URA_PCH (Frequency modification): Success	2565
8.2.3.26	Radio Bearer Release for transition from CELL_FACH to CELL_PCH (Frequency modification): Success	2568
8.2.3.27	Radio Bearer Release for transition from CELL_FACH to URA_PCH (Frequency modification): Success	2570

8.2.3.28	Radio Bearer Release for transition from CELL_FACH to CELL_FACH (Frequency modification): Success	2573
8.2.3.29	Radio Bearer Release for transition from CELL_DCH to CELL_DCH: Associated with signalling connection release during simultaneous PS and CS call	2575
8.2.3.30	Radio Bearer Release for transition from CELL_DCH to CELL_DCH: Success (stop of HS-DSCH reception)	2578
8.2.3.30a	Radio Bearer Release for transition from CELL_DCH to CELL_DCH: Success (stop of HS-DSCH reception) (In a different frequency band)	2580
8.2.3.31	Radio Bearer Release for transition from CELL_DCH to CELL_DCH: Success (With active HS-DSCH reception)	2581
8.2.3.31a	Radio Bearer Release for transition from CELL_DCH to CELL_DCH: Success (With active HS-DSCH reception) (TDD only)	2584
8.2.3.32	Radio Bearer Release for transition from CELL_DCH to CELL_DCH: Success (Timing re-initialised hard handover to another frequency, with active HS-DSCH reception)	2587
8.2.3.33	Radio Bearer Release for transition from CELL_DCH to CELL_DCH: Success (stop of HS-DSCH reception with frequency modification)	2591
8.2.3.34	Radio Bearer Release for transition from CELL_DCH to CELL_FACH: Success (stop of HS-DSCH reception with frequency modification)	2595
8.2.3.35	Radio Bearer Release for transition from CELL_DCH to CELL_PCH: Success (stop of HS-DSCH reception)	2597
8.2.3.36	Radio Bearer Release for transition from CELL_DCH to CELL_DCH: Success (frequency modification, stop of E-DCH transmission)	2600
8.2.3.36a	Radio Bearer Release for transition from CELL_DCH to CELL_DCH: Success (frequency modification, stop of E-DCH transmission, in the multi-frequency network environment, for 1.28Mcps TDD only)	2610
8.2.3.37	Radio Bearer Release for transition from CELL_DCH to CELL_DCH: Success (frequency modification, stop of discontinuous uplink transmission)	2617
8.2.4	Transport channel reconfiguration	2621
8.2.4.1	Transport channel reconfiguration (Timing re-initialised hard handover with transmission rate modification) from CELL_DCH to CELL_DCH: Success	2621
8.2.4.1a	Transport channel reconfiguration (Transmission Rate Modification) from CELL_DCH to CELL_DCH of the same cell: Success	2625
8.2.4.2	Void	2628
8.2.4.3	Transport channel reconfiguration from CELL_DCH to CELL_DCH: Failure (Physical channel failure and reversion to old configuration)	2628
8.2.4.4	Transport channel reconfiguration from CELL_DCH to CELL_DCH: Failure (Physical channel failure and cell reselection)	2633
8.2.4.4a	Transport channel reconfiguration from CELL_DCH to CELL_DCH: Failure (Physical channel failure and cell reselection) (1.28 Mcps TDD Only)	2637
8.2.4.5	Void	2642
8.2.4.6	Void	2642
8.2.4.7	Void	2642
8.2.4.8	Void	2642
8.2.4.9	Void	2642
8.2.4.10	Transport channel reconfiguration from CELL_FACH to CELL_DCH: Success	2642
8.2.4.10a	Transport channel reconfiguration from CELL_FACH to CELL_DCH: Success(1.28 Mcps TDD Only)	2644
8.2.4.11	Void	2646
8.2.4.12	Void	2646
8.2.4.13	Void	2646
8.2.4.14	Void	2646
8.2.4.15	Void	2646
8.2.4.16	Void	2646
8.2.4.17	Void	2646
8.2.4.18	Transport Channel Reconfiguration from CELL_DCH to CELL_DCH: Success (Subsequently received)	2646
8.2.4.19	Transport Channel Reconfiguration from CELL_FACH to CELL_DCH: Success (Subsequently received)	2649
8.2.4.20	Void	2652
8.2.4.21	Void	2652
8.2.4.22	Void	2652
8.2.4.23	Void	2652

8.2.4.24	Transport channel reconfiguration from CELL_DCH to CELL_DCH: Success with uplink transmission rate modification	2652
8.2.4.25	Transport channel reconfiguration from CELL_FACH to CELL_DCH (Frequency modification): Success	2655
8.2.4.26	Void.....	2657
8.2.4.27	Void.....	2657
8.2.4.28	Void.....	2657
8.2.4.29	Transport Channel Reconfiguration for transition from CELL_DCH to CELL_DCH (Frequency modification): Success	2657
8.2.4.30	Void.....	2660
8.2.4.31	Void.....	2660
8.2.4.32	Void.....	2660
8.2.4.33	Void.....	2660
8.2.4.34	Void.....	2660
8.2.4.35	Void.....	2660
8.2.4.36	Transport Channel Reconfiguration from CELL_DCH to CELL_DCH: Success (with active HS-DSCH reception, not changing the value of TTI during UL rate modification).....	2660
8.2.4.36a	Transport Channel Reconfiguration from CELL_DCH to CELL_DCH: Success (with active HS-DSCH reception, not changing the value of TTI during UL rate modification) (TDD).....	2667
8.2.4.36b	Transport Channel Reconfiguration from CELL_DCH to CELL_DCH: Success (with active HS-DSCH reception, not changing the value of TTI during UL rate modification) (In a different frequency band).....	2672
8.2.4.36c	Transport Channel Reconfiguration from CELL_DCH to CELL_DCH: Success (inter-band frequency hard handover,,with active HS-DSCH reception, not changing the value of TTI during UL rate modification, LCR TDD band a-f).....	2673
8.2.5	Transport format combination control	2675
8.2.5.1	Void.....	2675
8.2.5.2	Void.....	2675
8.2.5.3	Void.....	2675
8.2.5.4	Transport format combination control in CELL_DCH: Failure (Invalid configuration)	2675
8.2.6	Physical channel reconfiguration	2678
8.2.6.1	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH (code modification): Success	2678
8.2.6.1a	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH (code modification): Success (1.28 Mcps TDD Only).....	2680
8.2.6.2	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH (code modification): Failure (Unsupported configuration)	2683
8.2.6.3	Void.....	2686
8.2.6.4	Void.....	2686
8.2.6.5	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH (code modification): Failure (Incompatible simultaneous reconfiguration).....	2686
8.2.6.6	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH (code modification): Failure (Invalid message reception and Invalid configuration)	2689
8.2.6.7	Physical channel reconfiguration for transition from CELL_DCH to CELL_FACH: Success	2693
8.2.6.8	Physical channel reconfiguration for transition from CELL_DCH to CELL_FACH: Success (Cell re-selection).....	2694
8.2.6.9	Physical channel reconfiguration for transition from CELL_FACH to CELL_DCH: Success	2697
8.2.6.9a	Physical channel reconfiguration for transition from CELL_FACH to CELL_DCH: Success(1.28 Mcps TDD Only)	2700
8.2.6.10	Void.....	2702
8.2.6.11	Physical channel reconfiguration for transition from CELL_FACH to CELL_DCH: Failure (Physical channel failure and successful reversion to old configuration)	2702
8.2.6.12	Physical channel reconfiguration for transition from CELL_FACH to CELL_DCH: Failure (Physical channel failure and cell update).....	2705
8.2.6.13	Void.....	2709
8.2.6.14	Physical channel reconfiguration for transition from CELL_FACH to CELL_DCH: Failure (Invalid message reception and Invalid configuration)	2709
8.2.6.15	Void.....	2714
8.2.6.16	Void.....	2714
8.2.6.17	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH (code modification): Success (Subsequently received).....	2714

8.2.6.18	Physical channel reconfiguration for transition from CELL_FACH to CELL_DCH: Success (Subsequently received)	2716
8.2.6.19	Physical Channel Reconfiguration from CELL_DCH to CELL_PCH: Success.....	2719
8.2.6.20	Physical Channel Reconfiguration from CELL_DCH to URA_PCH: Success	2721
8.2.6.21	Physical Channel Reconfiguration from CELL_FACH to URA_PCH: Success	2724
8.2.6.22	Void.....	2725
8.2.6.23	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH (Hard handover to another frequency with timing maintain): Success.....	2725
8.2.6.24	Void.....	2727
8.2.6.25	Physical channel reconfiguration for transition from CELL_DCH to CELL_FACH (Frequency modification): Success	2727
8.2.6.26	Physical Channel Reconfiguration from CELL_DCH to CELL_PCH (Frequency modification): Success	2731
8.2.6.27	Physical channel reconfiguration from CELL_FACH to CELL_PCH: Success.....	2735
8.2.6.28	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH (Downlink channelisation code modification): Success.....	2737
8.2.6.29	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH (Compressed mode initiation): Success	2738
8.2.6.30	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH (Modify active set cell): Success	2744
8.2.6.31	Physical channel reconfiguration transition from CELL_FACH to URA_PCH: Success	2746
8.2.6.32	Physical channel reconfiguration for transition from CELL_DCH to URA_PCH (Frequency band modification): Success.....	2748
8.2.6.33	Physical channel reconfiguration for transition from CELL_FACH to CELL_DCH (Frequency band modification): Success.....	2750
8.2.6.34	Physical channel reconfiguration from CELL_FACH to CELL_PCH (Frequency band modification): Success	2753
8.2.6.35	Physical channel reconfiguration for transition from CELL_FACH to URA_PCH (Frequency band modification): Success.....	2756
8.2.6.36	Physical channel reconfiguration for transition from CELL_FACH to CELL_FACH (Frequency band modification): Success.....	2758
8.2.6.37	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH (Hard handover to another frequency with timing re-initialised)	2761
8.2.6.37a	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH (Hard handover to another frequency with timing re-initialised) (1.28 Mcps TDD).....	2783
8.2.6.37b	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH (Hard handover to another frequency band cell with timing re-initialised).....	2793
8.2.6.37c	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH (Hard handover to another frequency with timing re-initialised) (1.28 Mcps TDD) (TDD a-f band).....	2794
8.2.6.37d	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH (Hard handover to another frequency with uplink pre-synchronisation) (1.28 Mcps TDD)	2795
8.2.6.37e	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH (Hard handover to another frequency band cell with uplink pre-synchronisation) (1.28 Mcps TDD).....	2796
8.2.6.38	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH (Hard handover to another frequency with timing re-initialised): Failure (Physical channel failure and reversion to old channel)	2797
8.2.6.39	Physical Channel Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Seamless SRNS relocation) (without pending of ciphering)	2811
8.2.6.39a	Physical Channel Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (serving HS-DSCH cell change without MAC-hs reset).....	2818
8.2.6.39b	Physical Channel Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (serving HS-DSCH cell change with MAC-hs reset).....	2837
8.2.6.39c	Physical Channel Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (serving HS-DSCH cell change without MAC-hs reset) (TDD).....	2856
8.2.6.39d	Physical Channel Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (serving HS-DSCH cell change with MAC-hs reset) (1.28 Mcps TDD)	2864
8.2.6.40	Physical Channel Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Two radio links, change of HS-PDSCH configuration).....	2870
8.2.6.40a	Physical Channel Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (change of HS-PDSCH configuration).....	2876
8.2.6.41	Physical Channel Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Timing re-initialised hard handover to another frequency, signalling only).....	2880

8.2.6.42	Physical Channel Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Timing re-initialized hard handover to another frequency, Serving HS-DSCH cell change).....	2883
8.2.6.42a	Physical Channel Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Timing re-initialized hard handover to another frequency, Serving HS-DSCH cell change) (Cells belong to different frequency bands for LCR TDD).....	2895
8.2.6.43	Physical Channel Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Seamless SRNS relocation with pending of ciphering)	2896
8.2.6.44	Physical Channel Reconfiguration for transition from CELL_DCH to CELL_DCH: Failure (Radio link failure in new configuration).....	2904
8.2.6.45	Physical Channel Reconfiguration for transition from CELL_DCH to URA_PCH: Failure (Radio link failure in old configuration)	2911
8.2.6.46	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH (Hard handover to another frequency with timing re-initialised. Serving HS-DSCH cell change): Failure (Physical channel failure and reversion to old channel)	2913
8.2.6.47	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH (Compressed mode initiation, with active HS-DSCH reception): Success	2921
8.2.6.48	Physical Channel Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Timing re-initialized hard handover to another frequency, serving HS-DSCH cell change, compressed mode).....	2927
8.2.6.48a	Physical Channel Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Timing re-initialized hard handover to another frequency, serving HS-DSCH cell change, with measurement report) for 3.84 Mcps TDD	2935
8.2.6.49	Physical Channel Reconfiguration from CELL_DCH to URA_PCH: Success (stop of HS-DSCH reception)	2941
8.2.6.50	Physical Channel Reconfiguration for transition from CELL_DCH to URA_PCH: Success (frequency modification, stop of E-DCH transmission).....	2944
8.2.6.51	Physical Channel Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (serving E-DCH cell change)	2948
8.2.6.52	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Timing re-initialized hard handover to another frequency, Serving E-DCH cell change, compressed mode).....	2973
8.2.6.53	Void.....	2988
8.2.6.54	Physical Channel Reconfiguration for transition from CELL_DCH to CELL_DCH: Failure (Timing re-initialized hard handover, Serving E-DCH cell change, physical channel failure and reversion to old channel)	2988
8.2.6.54a	Physical Channel Reconfiguration for transition from CELL_DCH to CELL_DCH: Failure (Timing re-initialized hard handover, Serving E-DCH and HS-DSCH cell change with MIMO activated, physical channel failure and reversion to old channel).....	2994
8.2.6.54b	Physical Channel Reconfiguration for transition from CELL_DCH to CELL_DCH: Failure (Timing re-initialized hard handover, Serving E-DCH and HS-DSCH cell change with MIMO and 64QAM activated, physical channel failure and reversion to old channel)	2998
8.2.6.54c	Physical Channel Reconfiguration for transition from CELL_DCH to CELL_DCH: Failure (Timing re-initialized hard handover, Serving E-DCH cell change, physical channel failure and reversion to old channel, in the multi-frequency network environment, for 1.28Mcps TDD only) ..	3003
8.2.6.55	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Start of discontinuous uplink transmission and downlink reception)	3006
8.2.6.56	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Start of HS-SCCH less operation)	3010
8.2.6.57	Physical Channel Reconfiguration for transition from CELL_DCH to URA_PCH: Success (frequency modification, stop of discontinuous uplink transmission).....	3012
8.2.6.58	Physical Channel Reconfiguration for transition from CELL_DCH to CELL_DCH: Success (serving E-DCH cell change with discontinuous uplink transmission).....	3016
8.2.6.59	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Timing re-initialized hard handover to another frequency, Serving E-DCH cell change with discontinuous uplink transmission).....	3031
8.2.6.60	Physical Channel Reconfiguration for transition from CELL_DCH to CELL_DCH: Failure (Timing re-initialised hard handover, Serving E-DCH cell change with discontinuous uplink transmission, physical channel failure and reversion to old channel)	3041
8.2.6.61	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH: Success (CQI reporting reduction).....	3045
8.2.6.62	Physical Channel Reconfiguration from CELL_DCH to CELL_DCH: Success (activation and de-activation of 64QAM).....	3049

8.2.6.62a	Physical Channel Reconfiguration from CELL_DCH to CELL_DCH: Success (activation and de-activation of 64QAM) with SRBs mapped in E-DCH/DCH.....	3052
8.2.6.63	Physical Channel Reconfiguration from CELL_DCH to CELL_DCH: Success (Timing re-initialised hard handover to another frequency, Serving HS-DSCH cell change with MIMO enabled).....	3055
8.2.6.64	Physical channel reconfigurations for transition from CELL_DCH to CELL_DCH (activation and de-activation of UL 16QAM): Success	3060
8.2.6.65	Physical Channel Reconfiguration from CELL_DCH to CELL_DCH: Success (Timing re-initialised hard handover to another frequency, Serving HS-DSCH cell change with 64QAM and MIMO enabled).....	3064
8.2.6.66	Physical Channel Reconfiguration from CELL_PCH to CELL_FACH: Success (autonomous transitions without cell update procedure)	3071
8.2.6.67	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Start of SPS operation without initial SPS resource) (1.28 Mcps TDD)	3076
8.2.6.68	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Start of SPS operation with initial SPS resource) (1.28 Mcps TDD)	3081
8.2.6.69	Physical channel reconfiguration for transition from CELL_DCH to CELL_DCH: Success (Start of Control Channel DRX operation) (1.28 Mcps TDD).....	3085
8.2.7	Physical Shared Channel Allocation [TDD only]	3087
8.2.8	PUSCH capacity request [TDD only].....	3087
8.2.9	Void	3088
8.2.10.1	WLAN Offload / Offload Success / UTRA RRC_Connected to/from WLAN (RSRP _{meas} , BackhaulRateUIWLAN)	3088
8.2.10.2	WLAN Offload / Offload Success / UTRA RRC_Connected to/from WLAN (RSRP _{meas} , ChannelUtilizationWLAN)	3090
8.2.10.3	WLAN Offload / Offload Success / UTRA RRC_Connected to/from WLAN (RSRQ _{meas} , BeaconRSSI) WLAN identifier no match/match.....	3093
8.2.10.4	WLAN Offload / Offload Success / UTRA RRC_Connected to/from WLAN (RSRQ _{meas} , BackhaulRateDIWLAN)	3097
8.2.10.5	WLAN Offload / T330 expiry.....	3099
8.2.10.6	Void.....	3102
8.2.10.7	WLAN Offload / Offload Success / UTRA RRC_Connected to/from WLAN (ANDSF and RAN rules co-existence).....	3102
8.3	RRC connection mobility procedure	3108
8.3.1	Cell Update	3108
8.3.1.1	Cell Update: cell reselection in CELL_FACH	3108
8.3.1.1a	Cell Update: cell reselection in CELL_FACH (Cells belong to different frequency bands)	3120
8.3.1.1b	Cell Update: cell reselection in CELL_FACH(TDD)	3122
8.3.1.1c	Cell Update: cell reselection in CELL_FACH (Cells belong to different frequency bands for LCR TDD)	3135
8.3.1.1d	Inter-frequency absolute priority based reselection in CELL_FACH (Lower Priority).....	3137
8.3.1.1e	Inter-frequency absolute priority based reselection in CELL_FACH (Higher Priority)	3143
8.3.1.1f	Inter-frequency reselection to a no priority layer when NW and UE supports absolute priority in CELL_FACH	3150
8.3.1.2	Cell Update: cell reselection in CELL_PCH.....	3153
8.3.1.3	Cell Update: periodical cell update in CELL_FACH.....	3156
8.3.1.3a	Cell Update: periodical cell update in CELL_FACH (1.28 Mcps TDD Only)	3163
8.3.1.4	Cell Update: periodical cell update in CELL_PCH	3171
8.3.1.5	Cell Update: UL data transmission in URA_PCH	3176
8.3.1.6	Cell Update: UL data transmission in CELL_PCH.....	3179
8.3.1.7	Void.....	3182
8.3.1.8	Void.....	3182
8.3.1.9	Cell Update: re-entering of service area after T305 expiry and being out of service area	3182
8.3.1.10	Cell Update: expiry of T307 after T305 expiry and being out of service area	3186
8.3.1.11	Cell Update: Success after T302 time-out.....	3188
8.3.1.12	Cell Update: Failure (After Maximum Re-transmissions)	3190
8.3.1.13	Cell Update: Reception of Invalid CELL UPDATE CONFIRM Message	3192
8.3.1.14	Cell Update: Incompatible simultaneous reconfiguration	3195
8.3.1.15	Cell Update: Unrecoverable error in Acknowledged Mode RLC SRB	3197
8.3.1.16	Void.....	3203
8.3.1.17	Cell Update: Failure (UTRAN initiate an RRC connection release procedure on CCCH)	3203
8.3.1.18	Cell Update: Radio Link Failure (T314>0, T315=0), CS RAB established.....	3205

8.3.1.19	Void.....	3211
8.3.1.20	Cell Update: Reception of CELL UPDATE CONFIRM Message that causes invalid configuration.....	3211
8.3.1.21	Cell Update: Cell reselection to cell of another PLMN belonging to the equivalent PLMN list	3213
8.3.1.22	Cell update: Restricted cell reselection to a cell belonging to forbidden LA list (CELL_FACH)	3216
8.3.1.23	Cell Update: HCS cell reselection in CELL_FACH	3220
8.3.1.24	Cell Update: HCS cell reselection in CELL_PCH	3237
8.3.1.25	CELL UPDATE: Radio Link Failure (T314=0, T315=0).....	3255
8.3.1.26	Cell Update: Radio Link Failure (T314>0, T315=0), PS RAB established	3257
8.3.1.27	Cell Update: Radio Link Failure (T314=0, T315>0), CS RAB	3262
8.3.1.28	Cell Update: Radio Link Failure (T314=0, T315>0), PS RAB	3264
8.3.1.29	Cell Update: Radio Link Failure (T314>0, T315>0), CS RAB	3268
8.3.1.30	Cell Update: Radio Link Failure (T314>0, T315>0), PS RAB.....	3272
8.3.1.31	Cell Update: re-entering of service area from URA_PCH after T316 expiry but before T317 expiry	3278
8.3.1.32	Cell Update: Transition from URA_PCH to CELL_DCH, start of HS-DSCH reception	3283
8.3.1.32a	Cell Update: Transition from URA_PCH to CELL_DCH, start of HS-DSCH reception (Carriers belong to different frequency band for LCR TDD).....	3287
8.3.1.33	Cell Update: Transition from CELL_PCH to CELL_DCH, start of HS-DSCH reception, frequency modification	3288
8.3.1.33a	Cell Update: Transition from CELL_PCH to CELL_DCH, start of HS-DSCH reception, frequency modification(TDD).....	3298
8.3.1.34	Cell Update: Transition from CELL_DCH to CELL_FACH, stop of HS-DSCH reception.....	3304
8.3.1.35	Cell Update: Transition from CELL_DCH to CELL_DCH, with active HS-DSCH reception	3313
8.3.1.36	Cell Update: Transition from CELL_DCH to CELL_FACH (stop of HS-DSCH reception with frequency modification)	3317
8.3.1.37	Cell Update: Transition from CELL_DCH to CELL_DCH (with active HS-DSCH reception and frequency modification)	3325
8.3.1.38	Cell Update: state specific handling of Treselection and Qhyst for cell reselection in CELL_FACH	3330
8.3.1.39	Cell Update: state specific handling of Treselection and Qhyst for cell reselection in CELL_PCH.....	3333
8.3.1.40	Cell update: Transition from CELL_PCH to CELL_DCH, inclusion of establishment cause.....	3337
8.3.1.41	Cell Update: Transition from URA_PCH to CELL_DCH: Success (start of E-DCH transmission)	3340
8.3.1.41a	Cell Update: Transition from URA_PCH to CELL_DCH: Success (start of E-DCH transmission, in the multi-frequency network environment, for 1.28Mcps TDD only)	3348
8.3.1.42	Cell Update: Transition from CELL_PCH to CELL_DCH: Success (frequency modification, start of E-DCH transmission)	3356
8.3.1.42a	Cell Update: Transition from CELL_PCH to CELL_DCH: Success (frequency modification, start of E-DCH transmission, F-DPCH Configured).....	3394
8.3.1.42b	Cell Update: Transition from CELL_PCH to CELL_DCH: Success (frequency modification, start of E-DCH transmission in the multi-frequency network environment, for 1.28Mcps TDD only)	3403
8.3.1.43	Cell Update: Radio Link Failure, with active E-DCH transmission	3419
8.3.1.44	Cell Update: Transition from CELL_PCH to CELL_DCH: Success (frequency modification, start of discontinuous uplink transmission).....	3430
8.3.1.45	Cell Update: Radio Link Failure, with active discontinuous uplink transmission	3445
8.3.1.46	Cell Update: Transition from URA_PCH to CELL_DCH: Success (start of discontinuous uplink transmission)	3453
8.3.1.47	Cell Update: cell reselection in CELL_FACH (Reselection between cell not supporting HS-PDSCH in CELL_FACH and cell supporting HS-PDSCH is CELL_FACH)	3462
8.3.1.48	Cell Update: Radio Link Failure, UM RLC Re-establishment	3472
8.3.1.49	Cell Update: Intra Frequency cell reselection in Enhanced CELL_FACH with DRX configured ...	3483
8.3.1.49a	Cell Update: Inter Frequency cell reselection in Enhanced CELL_FACH with DRX configured ...	3488
8.3.1.49b	Cell Update: Intra Frequency cell reselection in Enhanced CELL_FACH with DRX configured / second DRX cycle with 2-level DRX	3493
8.3.1.49c	Cell Update: Inter Frequency cell reselection in Enhanced CELL_FACH with DRX configured / second DRX cycle with 2-level DRX	3500
8.3.1.50	Cell Update: Cell reselection in CELL_FACH when common E-DCH resource is released	3507
8.3.1.51	Cell Update: Cell reselection in CELL_FACH (Reselection between cell not supporting HS-PDSCH and E-DCH in CELL_FACH and cell supporting HS-PDSCH and E-DCH in CELL_FACH).....	3510
8.3.1.52	Cell Update: Inter Frequency cell reselection in CELL_FACH based on absolute priority.....	3521

8.3.1.53	Cell Update: Absolute priority based cell reselection failure to inter-frequency cell for which no priority or no threshold is assigned	3527
8.3.1.54	Cell Update: Absolute priority based cell reselection when more than one cell meets the criterion.....	3535
8.3.2	URA Update	3542
8.3.2.1	URA Update: Change of URA.....	3542
8.3.2.1a	URA Update: Change of URA (Cells belong to different frequency bands)	3549
8.3.2.1b	URA Update: Change of URA (Cells belong to different frequency bands for LCR TDD).....	3550
8.3.2.2	URA Update: Periodical URA update and Reception of Invalid message.....	3551
8.3.2.3	Void.....	3554
8.3.2.4	URA Update: loss of service after expiry of timers T307 and T305.....	3554
8.3.2.5	URA Update: Success after Confirmation error of URA-ID list.....	3557
8.3.2.6	URA Update: Failure (V302 is greater than N302: Confirmation error of URA-ID list)	3560
8.3.2.7	URA Update: Success after T302 timeout	3563
8.3.2.8	Void.....	3565
8.3.2.9	URA Update: Failure (UTRAN initiate an RRC connection release procedure on CCCH)	3565
8.3.2.10	URA Update: Reception of URA UPDATE CONFIRM message that causes invalid configuration	3567
8.3.2.11	URA Update: Cell reselection to cell of another PLMN belonging to the equivalent PLMN list.....	3569
8.3.2.12	Restricted cell reselection to a cell belonging to forbidden LA list (URA_PCH).....	3572
8.3.2.13	URA Update: Change of URA due to HCS Cell Reselection	3574
8.3.3	UTRAN Mobility Information.....	3587
8.3.3.1	UTRAN Mobility Information: Success	3587
8.3.3.2	UTRAN Mobility Information: Failure (Invalid message reception).....	3590
8.3.3.3	UTRAN MOBILITY INFORMATION: Seamless SRNS relocation in CELL_DCH (without pending of ciphering)	3593
8.3.3.4	UTRAN Mobility Information: Shared Network.....	3599
8.3.4	Active set update in soft handover (FDD)	3602
8.3.4.1	Active set update in soft handover: Radio Link addition	3602
8.3.4.2	Active set update in soft handover: Radio Link removal	3608
8.3.4.3	Active set update in soft handover: Combined radio link addition and removal	3615
8.3.4.4	Active set update in soft handover: Invalid Configuration.....	3625
8.3.4.5	Active set update in soft handover: Reception of an ACTIVE SET UPDATE message in wrong state	3628
8.3.4.6	Void.....	3631
8.3.4.7	Active set update in soft handover: Invalid Message Reception.....	3631
8.3.4.8	Active set update in soft handover: Radio Link addition in multiple radio link environment	3635
8.3.4.9	Active set update in soft handover: Radio Link removal (stop of HS-PDSCH reception).....	3651
8.3.4.10	Active set update in soft handover: Radio Link addition and serving HS-DSCH / E-DCH cell change	3657
8.3.4.11	Active set update in soft handover: Radio Link addition/removal and serving HS-DSCH / E-DCH cell change, with discontinuous uplink transmission	3662
8.3.4.12	Active set update in soft handover: Radio Link addition/removal (stop and start of UL 16QAM)	3674
8.3.4.13	Active set update in soft handover: Radio Link addition/removal and serving HS-DSCH / E-DCH cell change, with activation/deactivation of 64QAM	3688
8.3.4.13a	Active set update in soft handover: Radio Link addition/removal and serving HS-DSCH/E-DCH cell change, with activation/deactivation of 64QAM with SRBs mapped to E-DCH/DCH.....	3695
8.3.4.14	Active Set Update in Soft Handover: Radio Link addition/removal and serving HS-DSCH / E-DCH cell change with activation/deactivation of MIMO	3702
8.3.4.14a	Active Set Update in Soft Handover: Radio Link addition/removal and serving HS-DSCH / E-DCH cell change with activation/deactivation of MIMO with SRBs mapped on E-DCH/DCH	3720
8.3.4.15	Active set update: Dual Cell (DC) Activation by Serving Cell Change from non DC-HSDPA capable cell to DC-HSDPA capable cell.....	3735
8.3.4.15a	Active set update: Dual Cell (DC) Activation by Serving Cell Change from non DC-HSDPA capable cell to DC-HSDPA capable cell with SRB mapped on E-DCH/DCH	3741
8.3.4.16	Active set update: Dual Cell (DC) Activation by Serving Cell Change from DC-HSDPA capable cell to non DC-HSDPA capable cell	3748
8.3.4.16a	Active set update: Dual Cell (DC) Activation by Serving Cell Change from DC-HSDPA capable cell to non DC-HSDPA capable cell with SRB mapped on E-DCH/DCH	3754
8.3.4.17	Active Set Update in Soft Handover: Radio Link addition/removal and serving HS-DSCH / E-DCH cell change with simultaneous activation/deactivation of 64QAM and MIMO.....	3760
8.3.4.18	Test procedure for enhanced serving HS-DSCH cell change: serving HS-DSCH / E-DCH cell change, with discontinuous uplink transmission and downlink reception	3778

8.3.4.19	Active set update: Dual Cell (DC) and MIMO Activation by Serving Cell Change from non-DC-HSDPA capable cell to DC-HSDPA capable cell.....	3788
8.3.4.19a	Void.....	3796
8.3.4.19b	Active set update: DB-DC-HSDPA and MIMO Activation by Serving Cell Change from non-DC-HSDPA capable cell to DB-DC-HSDPA capable cell	3796
8.3.4.20	Active set update in soft handover: Radio Link addition/removal on the secondary E-DCH active set	3796
8.3.4.21	Active Set Update: MIMO Activation by serving cell changes with and without PCI Restrictions and S-CPICH Power Offsets (16QAM + MIMO).....	3809
8.3.4.22	Active set update: Dual Cell (DC) Activation by Serving Cell Change from non DC-HSDPA capable cell to DC-HSDPA capable cell with discontinuous uplink transmission and downlink reception.....	3818
8.3.4.23	Active set update in soft handover: Radio Link addition/deletion in multiple radio link environment with 3C-HSDPA or 4C-HSDPA remaining active.....	3827
8.3.4.23.1	Active set update in soft handover: Radio Link addition/deletion in multiple radio link environment with 3C-HSDPA remaining active / Single band	3827
8.3.4.23.2	Active set update in soft handover: Radio Link addition/deletion in multiple radio link environment with 3C-HSDPA remaining active / Single band / MIMO	3833
8.3.4.23.3	Active set update in soft handover: Radio Link addition/deletion in multiple radio link environment with 3C-HSDPA remaining active / Dual band.....	3842
8.3.4.24	Active set update with Multiflow reconfiguration with SRBs mapped on DCH: Successful reconfiguration of Multiflow HSDPA for single and dual bands / Inter-Node B.....	3843
8.3.5	Hard Handover.....	3852
8.3.6	Inter-system hard handover from GSM to UTRAN	3852
8.3.7	Inter-system hard handover from UTRAN to GSM	3852
8.3.7.1	Inter system handover from UTRAN/To GSM/Speech/Success with UEA1/UIA1 and A5/1 ciphering	3857
8.3.7.1a	Inter system handover from UTRAN/To GSM/Speech/Success with UEA1/UIA1 and A5/3 ciphering	3861
8.3.7.1b	Inter system handover from UTRAN/To GSM/Speech/Success with UEA2/UIA2 and A5/3 ciphering	3861
8.3.7.1c	Inter system handover from UTRAN/To GSM/Speech/Success with UEA1/UIA1 and A5/4 ciphering	3862
8.3.7.1d	Inter system handover from UTRAN/To GSM/Speech/Success with UEA2/UIA2 and A5/4 ciphering	3863
8.3.7.2a	Inter system handover from UTRAN/To GSM/Data/Same data rate/Extended Rates/Success	3867
8.3.7.3	Inter system handover from UTRAN/To GSM/Data/Data rate down grading/Success	3871
8.3.7.3a	Inter system handover from UTRAN/To GSM/Data/Data rate down grading/Extended Rates/Success	3874
8.3.7.4	Inter system handover from UTRAN/To GSM/Speech/Establishment/Success	3877
8.3.7.5	Inter system handover from UTRAN/To GSM/Speech/Failure	3879
8.3.7.6	Inter system handover from UTRAN/To GSM/Speech/Failure (L2 Establishment)	3885
8.3.7.7	Inter system handover from UTRAN/To GSM/Speech/Failure (L1 Synchronization).....	3888
8.3.7.8	Inter system handover from UTRAN/To GSM/Speech/Failure (Invalid Inter-RAT message).....	3890
8.3.7.9	Inter system handover from UTRAN/To GSM/Speech/Failure (Unsupported configuration)	3892
8.3.7.10	Inter system handover from UTRAN/To GSM/Speech/Failure (Reception by UE in CELL_FACH).....	3894
8.3.7.11	Inter system handover from UTRAN/To GSM/Speech/Failure (Invalid message reception).....	3895
8.3.7.12	Inter system handover from UTRAN/To GSM/Speech/Failure (Physical channel Failure and Reversion Failure).....	3897
8.3.7.13	Inter system handover from UTRAN/To GSM/ success / call under establishment	3904
8.3.7.14	Inter system handover from UTRAN/To GSM/Speech/Success (stop of HS-DSCH reception)	3907
8.3.7.15	Inter system handover from UTRAN/To GSM/Speech/Failure(stop of HS-DSCH reception).....	3915
8.3.7.16	Inter system handover from UTRAN/To GSM/Simultaneous CS and PS domain services/Success/TBF Establishment Success.....	3917
8.3.7.17	Inter system handover from UTRAN/To GSM/DTM Support/Simultaneous CS and PS domain services/Success	3921
8.3.8	Inter system cell reselection to UTRAN	3924
8.3.9	Inter system cell reselection from UTRAN	3925
8.3.9.1	Cell reselection if cell becomes barred or S<0; UTRAN to GPRS (CELL_FACH)	3930
8.3.9.1a	Cell reselection if cell becomes barred or S<0; UTRAN to GPRS (CELL_FACH), 1.28Mcps TDD	3933

8.3.9.2	Cell reselection if cell becomes barred or $S < 0$; UTRAN to GPRS (URA_PCH)	3936
8.3.9.2a	Cell reselection if cell becomes barred or $S < 0$; UTRAN to GPRS (URA_PCH), 1.28Mcps TDD ..	3938
8.3.9.3	Cell reselection if cell rank changes; UTRAN to GPRS (UE in CELL_FACH fails to complete an inter-RAT cell reselection)	3940
8.3.9.4	Cell reselection if $S < 0$; UTRAN to GPRS (UE in CELL_PCH fails to complete an inter-RAT cell reselection)	3942
8.3.9.4a	Cell reselection if $S < 0$; UTRAN to GPRS (UE in CELL_PCH fails to complete an inter-RAT cell reselection), 1.28Mcps TDD	3944
8.3.9.5	Successful Cell Reselection with RAU – Q_{offset} value modification; UTRAN to GPRS (CELL_FACH)	3945
8.3.9.5a	Successful Cell Reselection with RAU – Q_{offset} value modification; UTRAN to GPRS (CELL_FACH), 1.28Mcps TDD	3948
8.3.10	Void	3950
8.3.11	Inter-RAT cell change order from UTRAN	3950
8.3.11.1	Inter-RAT cell change order from UTRAN/To GPRS/CELL_DCH/Success with UEA1/UIA1, GEA2 ciphering	3950
8.3.11.1a	Inter-RAT cell change order from UTRAN/To GPRS/CELL_DCH/Success with UEA2/UIA2, GEA2 ciphering	3953
8.3.11.1b	Inter-RAT cell change order from UTRAN/To GPRS/CELL_DCH/Success with UEA2/UIA2 and GEA3 ciphering.....	3954
8.3.11.1c	Inter-RAT cell change order from UTRAN/To GPRS/CELL_DCH/Success with UEA2/UIA2 and GEA4 ciphering.....	3954
8.3.11.2	Inter-RAT cell change order from UTRAN/To GPRS/CELL_FACH/Success	3955
8.3.11.3	Inter-RAT cell change order from UTRAN/To GPRS/CELL_DCH/Failure (T309 expiry).....	3957
8.3.11.4	Inter-RAT cell change order from UTRAN/To GPRS/CELL_DCH/Failure (Physical channel Failure and Reversion Failure)	3960
8.3.11.5	Inter-RAT cell change order from UTRAN/To GPRS/CELL_FACH/Failure (T309 expiry).....	3968
8.3.11.6	Inter-RAT cell change order from UTRAN/To GPRS/CELL_FACH/Failure (Physical channel Failure and Reversion Failure)	3970
8.3.11.7	Inter-RAT cell change order from UTRAN/To GPRS/ Failure (Unsupported configuration).....	3974
8.3.11.8	Inter-RAT cell change order from UTRAN/To GPRS/ Failure (Invalid Inter-RAT message)	3975
8.3.11.9	Inter-RAT Cell Change Order from UTRAN to GPRS/CELL_DCH/Success (stop of HS-DSCH reception)	3977
8.3.11.10	Inter-RAT Cell Change Order from UTRAN to GPRS/CELL_DCH/Failure (Physical channel Failure).....	3981
8.3.11.11	Inter-RAT cell change order from UTRAN/To GPRS/CELL_FACH/No RAB established/Success	3984
8.3.11.12	Inter-RAT cell change order from UTRAN/To GPRS/CELL_DCH/Network Assisted Cell Change/Success.....	3986
8.3.11.13	Inter-RAT cell change order from UTRAN/To GPRS/CELL_DCH/Network Assisted Cell Change with Invalid SI/Success	3988
8.3.11.14	Inter-RAT Cell Change Order from UTRAN to GPRS/CELL_DCH/Success (stop of E-DCH transmission)	3990
8.3.11.15	Inter-RAT Cell Change Order from UTRAN to GPRS/CELL_DCH/Success (stop of discontinuous uplink transmission).....	3993
8.3.11.16	Inter-RAT Cell Change Order from UTRAN to GPRS/ MIMO (Success: with PCI Restrictions and S-CPICH Power Offset)	3996
8.3.11.17	Inter-RAT Cell Change Order from UTRAN to GPRS/MIMO for S-CPICH based MIMO with DPCH in STTD (Failure;physical channel failure)	4005
8.3.11.18	Inter-RAT Cell Change Order from UTRAN to GPRS/ MIMO (Failure; with PCI Restrictions and S-CPICH Power Offset)	4011
8.3.12	Handover to CSG/Hybrid Cell.....	4018
8.3.12.1	Inter-frequency inbound handover to UMTS CSG cell without reporting proximity indication	4018
8.3.12.2	Inter-frequency inbound handover to UMTS CSG cell.....	4028
8.3.12.3	Inter-frequency Measurements of UMTS CSG cell by non-member UE	4036
8.3.12.4	Intra-frequency inbound handover to UMTS CSG cell without specifying PSCs for SI Acquisition	4044
8.3.12.5	Intra-frequency inbound handover to UMTS CSG cell without reporting proximity indication	4050
8.3.12.6	Intra-frequency inbound handover to UMTS CSG cell.....	4056
8.3.12.7	Intra-frequency Measurements for UMTS CSG Cell for Non-member UE.....	4063
8.3.12.8	Intra-frequency Inbound Handover to UMTS Hybrid Cell	4068
8.3.12.9	Intra-frequency Inbound Handover to UMTS Hybrid Cell for Non-member UE.....	4070

8.3.12.10	Intra-frequency inbound handover to UMTS non-CSG cell	4076
8.3.12.11	Inter-frequency Measurement of UMTS non-CSG cell	4081
8.3.12.12	Membership checking for handover to the CSG Cell	4089
8.3.12.13	Void.....	4096
8.3.12.14	Inter-frequency CSG proximity indication.....	4096
8.4	Measurement procedure	4100
8.4.1	Measurement Control and Report.....	4100
8.4.1.1	Measurement Control and Report: Intra-frequency measurement for transition from idle mode to CELL_DCH state (FDD)	4100
8.4.1.1a	Measurement Control and Report: Intra-frequency measurement for transition from idle mode to CELL_DCH state (TDD)	4114
8.4.1.2	Measurement Control and Report: Inter-frequency measurement for transition from idle mode to CELL_DCH state (FDD)	4125
8.4.1.2a	Measurement Control and Report: Inter-frequency measurement for transition from idle mode to CELL_DCH state (TDD).....	4138
8.4.1.2b	Measurement Control and Report: Inter-band measurement for transition from idle mode to CELL_DCH state (FDD)	4146
8.4.1.2c	Measurement Control and Report: Inter-frequency measurement for transition from idle mode to CELL_DCH state (Cells belong to different frequency bands for LCR TDD).....	4147
8.4.1.3	Measurement Control and Report: Intra-frequency measurement for transition from idle mode to CELL_FACH state (FDD)	4148
8.4.1.3a	Measurement Control and Report: Intra-frequency measurement for transition from idle mode to CELL_FACH state (TDD).....	4154
8.4.1.4	Measurement Control and Report: Inter-frequency measurement for transition from idle mode to CELL_FACH state (FDD)	4160
8.4.1.4a	Measurement Control and Report: Inter-frequency measurement for transition from idle mode to CELL_FACH state (TDD).....	4163
8.4.1.5	Measurement Control and Report: Intra-frequency measurement for transition from CELL_DCH to CELL_FACH state (FDD)	4166
8.4.1.5a	Measurement Control and Report: Intra-frequency measurement for transition from CELL_DCH to CELL_FACH state (TDD).....	4176
8.4.1.6	Measurement Control and Report: Inter-frequency measurement for transition from CELL_DCH to CELL_FACH state (FDD)	4186
8.4.1.6a	Measurement Control and Report: Inter-frequency measurement for transition from CELL_DCH to CELL_FACH state (TDD).....	4193
8.4.1.7	Measurement Control and Report: Intra-frequency measurement for transition from CELL_FACH to CELL_DCH state (FDD).....	4199
8.4.1.7a	Measurement Control and Report: Intra-frequency measurement for transition from CELL_FACH to CELL_DCH state (TDD).....	4219
8.4.1.8	Measurement Control and Report: Inter-frequency measurement for transition from CELL_FACH to CELL_DCH state (FDD).....	4242
8.4.1.8a	Measurement Control and Report: Inter-frequency measurement for transition from CELL_FACH to CELL_DCH state (TDD).....	4255
8.4.1.9	Measurement Control and Report: Unsupported measurement in the UE	4262
8.4.1.10	Measurement Control and Report: Failure (Invalid Message Reception)	4266
8.4.1.11	Void.....	4268
8.4.1.12	Void.....	4268
8.4.1.13	Void.....	4268
8.4.1.14	Measurement Control and Report: Cell forbidden to affect reporting range (FDD)	4268
8.4.1.15	Measurement Control and Report: Configuration Incomplete	4281
8.4.1.16	Measurement Control and Report: Traffic volume measurement for transition from idle mode to CELL_FACH state.....	4292
8.4.1.17	Measurement Control and Report: Traffic volume measurement for transition from idle mode to CELL_DCH state.....	4299
8.4.1.18	Measurement Control and Report: Traffic volume measurement for transition from CELL_FACH state to CELL_DCH state	4305
8.4.1.18a	Measurement Control and Report: Traffic volume measurement for transition from Enhanced CELL_FACH state (common E-DCH in UL and HS-DSCH DL) to CELL_DCH state	4314
8.4.1.19	Measurement Control and Report: Traffic volume measurement for transition from CELL_DCH to CELL_FACH state.....	4327
8.4.1.20	Void.....	4336
8.4.1.21	Void.....	4336

8.4.1.22	Measurement Control and Report: Quality measurements.....	4336
8.4.1.23	Measurement Control and Report: Intra-frequency measurement for events 1C and 1D	4339
8.4.1.24	Measurement Control and Report: Inter-frequency measurement for event 2A	4349
8.4.1.24a	Measurement Control and Report: Inter-band measurement for event 2A	4361
8.4.1.25	Measurement Control and Report: Inter-frequency measurement for events 2B and 2E.....	4362
8.4.1.25a	Measurement Control and Report: Inter-band measurement for events 2B and 2E.....	4378
8.4.1.26	Measurement Control and Report: Measurement for events 2D and 2F	4379
8.4.1.27	Measurement Control and Report: UE internal measurement for events 6A and 6B.....	4386
8.4.1.28	Measurement Control and Report: UE internal measurement for events 6F (FDD) and 6G	4390
8.4.1.28a	Measurement Control and Report: UE internal measurement for event 6F (1.28 Mcps TDD).....	4394
8.4.1.29	Measurement Control and Report: Event based Traffic Volume measurement in CELL_FACH state.	4396
8.4.1.30	Measurement Control and Report: Event based Traffic Volume measurement in CELL_DCH state.	4412
8.4.1.31	Measurement Control and Report: Inter-RAT measurement in CELL_DCH state.....	4418
8.4.1.32	Void.....	4431
8.4.1.33	Measurement Control and Report: Inter-RAT measurement, event 3a.....	4431
8.4.1.34	Measurement Control and Report: Inter-RAT measurement, event 3b.....	4442
8.4.1.35	Measurement Control and Report: Inter-RAT measurement, event 3c.....	4457
8.4.1.36	Measurement Control and Report: Inter-RAT measurement, event 3d.....	4466
8.4.1.37	Measurement Control and Report: UE internal measurement, event 6c	4479
8.4.1.38	Measurement Control and Report: UE internal measurement, event 6d	4483
8.4.1.39	Measurement Control and Report: UE internal measurement, event 6e	4487
8.4.1.40	Measurement Control and Report: Inter-RAT measurement, event 3C, in CELL_DCH state using sparse compressed mode pattern	4491
8.4.1.41	Measurement Control and Report: Additional Measurements list	4499
8.4.1.42	Measurement Control and Report: Change of Compressed Mode Method	4508
8.4.1.43	Measurement Control and Report: Compressed Mode Reconfiguration	4524
8.4.1.44	Measurement Control and Report: Intra-frequency measurement for events 1H and 1I (TDD).....	4543
8.4.1.45	Measurement Control and Report: Intra-frequency measurement for event 1G (TDD)	4550
8.4.1.46	Void.....	4557
8.4.1.47	Measurement Control and Report: Event triggered periodic measurement for event 1B (FDD).....	4557
8.4.1.48	Measurement Control and Report: Combined Inter-frequency measurement for event 2b and Inter-RAT measurement, event 3a (FDD).....	4568
8.4.1.48a	Measurement Control and Report: Combined Inter-frequency measurement for event 2b and Inter-RAT measurement, event 3a (TDD)	4580
8.4.1.49	Measurement Control and Report: Intra-frequency measurement for event 1J.....	4589
8.4.1.50	Measurement reporting when moving from CELL_PCH to CELL_FACH.....	4599
8.4.1.51	Measurement Control and Report: Inter-frequency measurement for events 2C for CSG cells	4605
8.4.1.52	Measurement Control and Report: Inter-frequency measurement for events 2B for CSG cells	4613
8.5	MBMS Specific Procedures	4623
8.5.1	MBMS Session Start.....	4623
8.5.1.1	MBMS PTP Session Start at MCCH Acquisition in Idle mode / MBMS Selected Service.....	4623
8.5.1.1m	MBMS PTP Session Start at MCCH Acquisition in Idle mode / MBMS Multicast Service	4630
8.5.1.2	MBMS PTP Session Start at MCCH Notification in CELL_PCH / MBMS Selected Service	4632
8.5.1.2m	MBMS PTP Session Start at MCCH Notification in CELL_PCH / MBMS Multicast Service	4635
8.5.1.3	MBMS PTM Session Start at MCCH Acquisition in CELL_FACH state / MBMS Broadcast Service.....	4636
8.5.1.3m	MBMS PTM Session Start at MCCH Acquisition in CELL_FACH state / MBMS Multicast Service.....	4639
8.5.1.4	MBMS PTM Session Start at MCCH Notification in CELL_DCH state / MBMS Broadcast Service.....	4640
8.5.1.4m	MBMS PTM Session Start at MCCH Notification in CELL_DCH state / MBMS Multicast Service.....	4652
8.5.1.5	MBMS PTM Session Start at MCCH Acquisition in CELL_DCH (for a non-MBMS service) when entering into an MBMS cell (UE capable of MBMS p-t-m reception in CELL_DCH) / MBMS Broadcast Service.....	4652
8.5.1.5m	MBMS PTM Session Start at MCCH Acquisition in CELL_DCH (for a non-MBMS service) when entering into an MBMS cell (UE capable of MBMS p-t-m reception in CELL_DCH) / MBMS Multicast Service.....	4655
8.5.1.6	Void.....	4656
8.5.1.6m	Void.....	4656

8.5.1.7	Void.....	4656
8.5.1.7m	Void.....	4656
8.5.1.8	Void.....	4656
8.5.1.9	MBMS PTM Session Start at MCCH Notification in Idle Mode / MBMS Broadcast Service.....	4656
8.5.1.9m	MBMS PTM Session Start at MCCH Notification in Idle Mode / MBMS Multicast Service.....	4660
8.5.1.10	Void.....	4660
8.5.1.11	MBMS PTP Session Start at MCCH Notification in Idle Mode / MBMS Selected Service.....	4660
8.5.1.11m	MBMS PTP Session Start at MCCH Notification in Idle Mode / MBMS Multicast Service.....	4664
8.5.1.12	MBMS PTP Session Start at MCCH Notification in URA_PCH / MBMS Selected Service.....	4666
8.5.1.12m	MBMS PTP Session Start at MCCH Notification in URA_PCH / MBMS Multicast Service.....	4670
8.5.1.13	MBMS PTP Session Start at MCCH Notification in CELL_FACH / MBMS Selected Service.....	4671
8.5.1.13m	MBMS PTP Session Start at MCCH Notification in CELL_FACH / MBMS Multicast Service.....	4675
8.5.1.14	MBMS PTM Session Start at MCCH Acquisition / MBSFN mode.....	4676
8.5.1.15	MBMS PTM Session Start at MCCH Notification / MBSFN mode.....	4680
8.5.2	MBMS Session Reconfiguration.....	4685
8.5.2.1	MBMS PTP Session Reconfiguration – Change of Activated Service / MBMS Selected Service...	4685
8.5.2.1m	MBMS PTM Session Reconfiguration - Change of Activated Service / MBSFN mode (FDD).....	4690
8.5.2.2	MBMS PTM Session Reconfiguration – Transfer Mode Change to PTP / MBMS Selected Service.....	4696
8.5.2.2m	MBMS PTM Session Reconfiguration - Transfer Mode Change to PTP / MBMS Multicast Service.....	4700
8.5.2.3	MBMS PTP Session Reconfiguration - Transfer mode change to PTM / MBMS Selected Service	4702
8.5.2.3m	MBMS PTP Session Reconfiguration - Transfer mode change to PTM / MBMS Multicast Service.....	4707
8.5.2.4	MBMS PTM Session Reconfiguration – MTCH data rate change / MBMS Broadcast Service.....	4709
8.5.2.4m	MBMS PTM Session Reconfiguration – MTCH data rate change / MBMS Multicast Service.....	4712
8.5.2.5	MBMS PTM Session Reconfiguration - MTCH Data Rate Change / MBSFN mode.....	4713
8.5.3	MBMS Frequency Layer Convergence and Dispersion.....	4718
8.5.3.1	MBMS Session Start (Frequency Layer Convergence)/Session Stop (Frequency Layer Dispersion) in Idle mode / MBMS Selected Service.....	4718
8.5.3.1m	MBMS Session Start (Frequency Layer Convergence)/Session Stop (Frequency Layer Dispersion) in Idle mode / MBMS Multicast Service.....	4724
8.5.3.2	MBMS Session Start (Frequency Layer Convergence)/Session Stop (Frequency Layer Dispersion) in CELL_PCH / MBMS Broadcast Service.....	4725
8.5.3.2m	MBMS Session Start (Frequency Layer Convergence)/Session Stop (Frequency Layer Dispersion) in CELL_PCH / MBMS Multicast Service.....	4731
8.5.3.3	MBMS Session Start (Frequency Layer Convergence)/Session Stop (Frequency Layer Dispersion) in CELL_FACH / MBMS Broadcast Service.....	4732
8.5.3.3m	MBMS Session Start (Frequency Layer Convergence)/Session Stop (Frequency Layer Dispersion) in CELL_FACH / MBMS Multicast Service.....	4739
8.5.3.4	MBMS Session Stop with Frequency Layer Dispersion - no previous frequency layer available (Idle Mode) / MBMS Broadcast Service.....	4740
8.5.3.4m	MBMS Session Stop with Frequency Layer Dispersion - no previous frequency layer available (Idle Mode) / MBMS Multicast Service.....	4743
8.5.3.5	MBMS Session Stop with Frequency Layer Dispersion - no previous frequency layer available (URA_PCH) / MBMS Broadcast Service.....	4744
8.5.3.5m	MBMS Session Stop with Frequency Layer Dispersion - no previous frequency layer available (URA_PCH) / MBMS Multicast Service.....	4748
8.5.3.6	MBMS Session Stop with Frequency Layer Dispersion - no previous frequency layer available (CELL_FACH) / MBMS Broadcast Service.....	4748
8.5.3.6m	MBMS Session Stop with Frequency Layer Dispersion - no previous frequency layer available (CELL_FACH) / MBMS Multicast Service.....	4752
8.5.4	MBMS Modification Request.....	4753
8.5.4.1	Transmission of the MBMS Selected Services Information when entering RRC connected mode and CELL_DCH state / MBMS Selected Service.....	4753
8.5.4.2	Modification of the MBMS Selected Services list whilst in URA_PCH & Cell_FACH / MBMS Selected Service.....	4755
8.5.4.3	Testing of the MBMS Selected Services indication from the network whilst in CELL_DCH / MBMS Selected Service.....	4760
8.5.5	MBMS Counting.....	4763
8.5.5.1	MBMS Counting in Idle Mode / MBMS Selected Service.....	4763
8.5.5.1m	MBMS Counting in Idle Mode / MBMS Multicast Service.....	4766

8.5.5.2	MBMS Counting in CELL_FACH / MBMS Selected Service	4768
8.5.5.2m	MBMS Counting in CELL_FACH / MBMS Multicast Service	4772
8.5.5.3	MBMS No Counting in CELL_DCH / MBMS Selected Service	4773
8.5.5.3m	MBMS No Counting in CELL_DCH / MBMS Multicast Service.....	4776
8.5.5.4	MBMS Counting in CELL_PCH / MBMS Selected Service.....	4777
8.5.5.4m	MBMS Counting in CELL_PCH / MBMS Multicast Service	4781
8.5.5.5	Void.....	4783
8.5.5.6	Void.....	4783
8.5.5.7	RRC Connection establishment for MBMS Counting :Success after T318 Timeout/ MBMS Selected Service	4783
8.5.5.7m	RRC Connection establishment for MBMS Counting :Success after T318 Timeout / MBMS Multicast Service.....	4788
8.5.5.8	RRC Connection establishment for MBMS Counting :Success after MAC Layer Failure Indication/ MBMS Selected Service	4789
8.5.5.8m	RRC Connection establishment for MBMS Counting :Success after MAC Layer Failure Indication / MBMS Multicast Service.....	4794
8.5.6	MBMS Controlling Cell Change	4795
8.5.6.1	MBMS Controlling Cell Change - Idle mode - Frequency Layer Convergence – HCS Not Used / MBMS Selected Service	4795
8.5.6.1m	MBMS Controlling Cell Change - Idle mode - Frequency Layer Convergence – HCS Not Used / MBMS Multicast Service.....	4800
8.5.6.2	MBMS Controlling Cell Change in CELL_FACH during ongoing session / MBMS Broadcast Service.....	4801
8.5.6.2m	MBMS Controlling Cell Change in CELL_FACH during ongoing session / MBMS Multicast Service.....	4806
8.5.6.3	MBMS Controlling Cell Change in CELL_PCH during ongoing session / MBMS Broadcast Service.....	4807
8.5.6.3m	MBMS Controlling Cell Change in CELL_PCH during ongoing session / MBMS Multicast Service.....	4814
8.5.6.4	MBMS Controlling Cell Change - Idle mode - Frequency Layer Convergence – With HCS / MBMS Selected Service	4814
8.5.6.4m	MBMS Controlling Cell Change - Idle mode - Frequency Layer Convergence – With HCS / MBMS Multicast Service.....	4821
8.5.6.5	MBMS Controlling Cell Change in CELL_DCH during ongoing session / MBMS Broadcast Service.....	4822
8.5.6.5m	MBMS Controlling Cell Change in CELL_DCH during ongoing session / MBMS Multicast Service.....	4827
8.5.7	MBSFN Specific Procedures (FDD/TDD)	4828
8.5.7.1	Cell Update: cell reselection in CELL_PCH (unicast carrier) during ongoing MBMS session in MBSFN mode	4828
8.5.7.2	Re-acquire MCCH - modified MBSFN inter frequency neighbour list / All MBSFN services notified	4832
8.5.7.3	Re-acquire MCCH - modified MBSFN inter frequency neighbour list / MBSFN services not notified	4843
8.5.7.4	MBSFN TDM Information / TDM services de-multiplexing	4854
8.5.7.5	MBSFN Session Reconfiguration / Change of MBSFN Cluster frequency on notification via MCCH (FDD)	4859
8.6	Minimization of Drive Test Specific Procedures	4864
8.6.1	Immediate MDT	4864
8.6.2	Logged MDT	4864
8.6.2.1	Logged MDT / Intra-frequency measurement, logging and reporting / Idle mode	4864
8.6.2.1a	Logged MDT / Intra-frequency measurement, logging and reporting / Idle mode/PLMN list	4871
8.6.2.2	Logged MDT / Intra-frequency measurement, logging and reporting / CELL_PCH.....	4876
8.6.2.2a	Logged MDT / Intra-frequency measurement, logging and reporting / CELL_PCH/PLMN list.....	4883
8.6.2.3	Logged MDT / Inter-frequency measurement, logging and reporting / URA_PCH	4889
8.6.2.3a	Logged MDT / Intra-frequency measurement, logging and reporting / URA_PCH / PLMN list	4896
8.6.2.4	Logged MDT / Intra-frequency measurement, logging and reporting / Idle mode / Limiting area scope	4901
8.6.2.4a	Logged MDT / Intra-frequency measurement, logging and reporting / Idle mode / Limiting area scope / Cell ID list with PLMN identity.....	4912
8.6.2.5	Logged MDT / Release of logged MDT measurement configuration / Expire of duration timer	4917

8.6.2.6	Logged MDT / Release of logged MDT measurement configuration / Reception of new logged measurement configuration, Detach or UE power off.....	4928
8.6.2.7	Logged MDT / Maintaining logged measurement configuration / UE state transitions and mobility	4934
8.6.2.8	Logged MDT / Reporting / Location information.....	4943
8.6.2.9	Logged MDT / Logging and reporting / PLMN list / PLMN change	4946
8.6.3	Inter-RAT Logged MDT	4951
8.6.3.1	Logged MDT / E-UTRAN Inter-RAT measurement, logging and reporting / Idle mode.....	4951
8.6.3.2	Logged MDT / GERAN Inter-RAT measurement, logging and reporting / Idle mode	4958
8.6.3.3	Logged MDT / Maintaining logged measurement configuration / UTRAN to E-UTRAN Inter-RAT mobility	4964
8.6.3.4	Logged MDT / Maintaining logged measurement configuration / UTRAN to GERAN Inter-RAT mobility	4974
8.6.4	Connection Establishment Failure	4981
8.6.4.1	Connection Establishment Failure logging / Logging and reporting / T300 expiry	4981
8.6.4.2	Connection Establishment Failure logging / Logging and reporting / Physical channel failure	4986
8.6.4.3	Connection Establishment Failure logging / Logging and reporting / Invalid RRC CONNECTION SETUP message	4992
8.6.4.4	Connection Establishment Failure logging / Logging and reporting / RRC CONNECTION REJECT message	4997
8.6.4.5	Connection Establishment Failure logging / Logging and reporting / Invalid RRC CONNECTION REJECT message	5003
8.6.4.6	Connection Establishment Failure logging / Logging and reporting / PLMN change	5007
8.6.4.7	Connection Establishment Failure logging / Logging and reporting / location information	5014
8.6.4.8	Connection Establishment Failure logging / Logging and reporting / Intra-frequency measurements	5018
8.6.4.9	Connection Establishment Failure logging / Logging and reporting / Inter-frequency measurements	5024
8.6.5	Inter-RAT Connection Establishment Failure	5029
8.6.5.1	Connection Establishment Failure logging / Reporting at E-UTRAN inter-RAT handover	5029
8.6.5.2	Connection Establishment Failure logging / Logging and reporting / E-UTRA Inter-RAT measurements	5040
8.6.5.3	Connection Establishment Failure logging / Logging and reporting / GERAN Inter-RAT measurements	5046
8.7	Automatic Neighbour Relation (ANR) for UTRAN	5052
8.7.1	Intra-UTRAN.....	5052
8.7.1.1	Intra-UTRA / Intra-frequency ANR measurement, logging and reporting in IDLE Mode / RSCP Absolute Threshold	5052
8.7.1.1a	Void.....	5058
8.7.1.2	Intra-UTRA / Intra-frequency ANR measurement, logging and reporting in Cell_PCH / Ec/N0 Absolute Threshold (FDD)	5058
8.7.1.2a	Intra-UTRA / Intra-frequency ANR measurement, logging and reporting in CELL_PCH (TDD).....	5062
8.7.1.3	Intra-UTRA / Inter-frequency ANR measurement, logging and reporting in URA_PCH / RSCP Relative Threshold	5066
8.7.1.3a	Void.....	5071
8.7.1.4	Intra-UTRA / Inter-frequency and Intra-frequency ANR measurement, logging and reporting in IDLE Mode / Ec/N0 Relative Threshold / T327 Expiry / Max Number of ANR Logged Items (FDD).....	5071
8.7.1.4a	Intra-UTRA / Inter-frequency and Intra-frequency ANR measurement, logging and reporting in IDLE Mode / T327 Expiry / Max Number of ANR Logged Items (TDD)	5079
8.7.1.5	Intra-UTRA / Re-configuration of ANR measurements	5085
8.7.1.5a	Void.....	5091
8.7.2	Inter-RAT	5091
8.7.2.1	Inter-RAT/ ANR measurement, logging and reporting / GERAN cell	5091
8.7.2.1a	Void.....	5097
9	Elementary procedures of mobility management.....	5098
9.1	TMSI reallocation.....	5098
9.2	Authentication	5101
9.2.1	Authentication accepted.....	5101
9.2.2	Authentication rejected by the network	5102
9.2.3	Authentication rejected by the UE (MAC code failure)	5105

9.2.4	Authentication rejected by the UE (SQN failure).....	5107
9.2.5	Authentication rejected by the UE / fraudulent network.....	5109
9.3	Identification	5112
9.3.1	General Identification	5112
9.3.2	Handling of IMSI shorter than the maximum length.....	5113
9.4	Location updating.....	5116
9.4.1	Location updating / accepted	5116
9.4.2	Location updating / rejected.....	5119
9.4.2.1	Location updating / rejected / IMSI invalid	5119
9.4.2.2	Location updating / rejected / PLMN not allowed	5122
9.4.2.3	Location updating / rejected / location area not allowed.....	5128
9.4.2.4	Location updating / rejected / roaming not allowed in this location area.....	5131
9.4.2.5	Location updating / rejected / No Suitable Cells In Location Area.....	5140
9.4.2.6	Location updating / rejected / Not authorized for this CSG	5141
9.4.3	Location updating / abnormal cases.....	5143
9.4.3.1	Void.....	5143
9.4.3.2	Location updating / abnormal cases / attempt counter less or equal to 4, LAI different	5143
9.4.3.3	Location updating / abnormal cases / attempt counter equal to 4.....	5150
9.4.3.3a	Location updating / abnormal cases / attempt counter equal to 4.....	5160
9.4.3.4	Location updating / abnormal cases / attempt counter less or equal to 4, stored LAI equal to broadcast LAI.....	5170
9.4.3.5	Location updating / abnormal cases / Failure due to non-integrity protection	5180
9.4.3.6	Location updating / abnormal cases / CS domain is changed from barred to unbarred because of domain specific access control.....	5181
9.4.3.7	Location updating / abnormal cases / Network reject with Extended Wait Timer	5183
9.4.4	Location updating / release / expiry of T3240	5186
9.4.5	Location updating / periodic	5187
9.4.5.1	Location updating / periodic spread.....	5187
9.4.5.2	Location updating / periodic normal / test 1.....	5189
9.4.5.3	Location updating / periodic normal / test 2.....	5192
9.4.5.4	Location updating / periodic search for HPLMN or higher priority PLMN when in VPLMN	5194
9.4.5.4.1	Location updating / periodic search for HPLMN or higher priority PLMN / UE waits time T...5194	
9.4.5.4.2	Location updating / periodic search for HPLMN or higher priority PLMN / UE in manual mode	5197
9.4.5.4.3	Location updating / periodic search for HPLMN or higher priority PLMN / UE waits at least two minutes and at most T minutes	5198
9.4.5.4.4	Location updating/periodic search of the higher priority PLMN, VPLMN in a foreign country – higher priority/UE is in automatic mode.	5200
9.4.5.4.5	Location updating/periodic search of the higher priority PLMN, VPLMN in a foreign country – lower priority/UE is in automatic mode.	5201
9.4.5.4.6	Location updating/periodic search of the higher priority PLMN, VPLMN in a foreign country – List of EPLMN contain HPLMN /UE is in automatic mode	5203
9.4.5.4.7	Location updating / periodic search for HPLMN or higher priority PLMN / UE waits UE waits Minimum Periodic search timer	5205
9.4.5.5	Location updating / periodic per-device timer	5208
9.4.6	Location updating / interworking of attach and periodic	5209
9.4.7	Location Updating / accept with replacement or deletion of Equivalent PLMN list	5212
9.4.8	Location Updating after UE power off	5215
9.4.9	Location Updating / Accept, Interaction between Equivalent PLMNs and Forbidden PLMNs.	5217
9.4.10	NITZ / MM/ Time zone, Time and DST Handling.....	5219
9.4.11	Location Updating / EAB active.....	5225
9.5	MM connection	5227
9.5.1	Introduction.....	5227
9.5.2	MM connection / establishment in security mode	5227
9.5.3	Void	5228
9.5.4	MM connection / establishment rejected	5228
9.5.5	MM connection / establishment rejected cause 4	5229
9.5.6	MM connection / expiry T3230	5231
9.5.7	MM connection / abortion by the network.....	5232
9.5.7.1	MM connection / abortion by the network / cause #6	5232
9.5.7.2	MM connection / abortion by the network / cause not equal to #6	5235
9.5.8	MM connection / follow-on request pending.....	5237

9.5.8.1	MM connection / follow-on request pending / test 1	5237
9.5.8.2	MM connection / follow-on request pending / test 2	5238
9.5.8.3	MM connection / follow-on request pending / test 3	5239
9.5.9	MM connection / abnormal cases / CS domain barred because of domain specific access control.....	5241
10	Circuit Switched Call Control (CC)	5243
10.1	Circuit switched Call Control (CC) state machine verification.....	5243
10.1.1	General on CC state machine verification	5243
10.1.2	Establishment of an outgoing call.....	5244
10.1.2.1	Outgoing call / U0 null state	5246
10.1.2.1.1	Outgoing call / U0 null state / MM connection requested.....	5246
10.1.2.2	Outgoing call / U0.1 MM connection pending.....	5247
10.1.2.2.1	Outgoing call / U0.1 MM connection pending / CM service rejected.....	5247
10.1.2.2.2	Outgoing call / U0.1 MM connection pending / CM service accepted.....	5248
10.1.2.2.3	Outgoing call / U0.1 MM connection pending / lower layer failure.....	5249
10.1.2.3	Outgoing call / U1 call initiated	5251
10.1.2.3.1	Outgoing call / U1 call initiated / receiving CALL PROCEEDING	5251
10.1.2.3.2	Outgoing call / U1 call initiated / rejecting with RELEASE COMPLETE	5252
10.1.2.3.3	Outgoing call / U1 call initiated / T303 expiry	5253
10.1.2.3.4	Outgoing call / U1 call initiated / lower layer failure	5254
10.1.2.3.5	Outgoing call / U1 call initiated / receiving ALERTING.....	5255
10.1.2.3.6	Outgoing call / U1 call initiated / entering state U10	5256
10.1.2.3.7	Outgoing call / U1 call initiated / unknown message received.....	5257
10.1.2.4	Outgoing call / U3 Mobile originating call proceeding.....	5258
10.1.2.4.1	Outgoing call / U3 Mobile originating call proceeding / ALERTING received.....	5258
10.1.2.4.2	Outgoing call / U3 Mobile originating call proceeding / CONNECT received.....	5259
10.1.2.4.3	Outgoing call / U3 Mobile originating call proceeding / PROGRESS received without in band information	5260
10.1.2.4.4	Outgoing call / U3 Mobile originating call proceeding / PROGRESS with in band information	5262
10.1.2.4.5	Outgoing call / U3 Mobile originating call proceeding / DISCONNECT with in band tones.....	5263
10.1.2.4.6	Outgoing call / U3 Mobile originating call proceeding / DISCONNECT without in band tones	5265
10.1.2.4.7	Outgoing call / U3 Mobile originating call proceeding / RELEASE received	5266
10.1.2.4.8	Outgoing call / U3 Mobile originating call proceeding / termination requested by the user	5268
10.1.2.4.9	Outgoing call / U3 Mobile originating call proceeding / traffic channel allocation	5269
10.1.2.4.10	Outgoing call / U3 Mobile originating call proceeding / timer T310 time-out.....	5270
10.1.2.4.11	Outgoing call / U3 Mobile originating call proceeding / lower layer failure.....	5271
10.1.2.4.12	Outgoing call / U3 Mobile originating call proceeding / unknown message received	5273
10.1.2.4.13	Outgoing call / U3 Mobile originating call proceeding / Internal alerting indication.....	5274
10.1.2.5	Outgoing call / U4 call delivered	5275
10.1.2.5.1	Outgoing call / U4 call delivered / CONNECT received	5275
10.1.2.5.2	Outgoing call / U4 call delivered / termination requested by the user.....	5276
10.1.2.5.3	Outgoing call / U4 call delivered / DISCONNECT with in band tones	5277
10.1.2.5.4	Outgoing call / U4 call delivered / DISCONNECT without in band tones	5279
10.1.2.5.5	Outgoing call / U4 call delivered / RELEASE received.....	5280
10.1.2.5.6	Outgoing call / U4 call delivered / lower layer failure	5281
10.1.2.5.7	Outgoing call / U4 call delivered / traffic channel allocation	5282
10.1.2.5.8	Outgoing call / U4 call delivered / unknown message received.....	5283
10.1.2.6	U10 active	5284
10.1.2.6.1	U10 active / termination requested by the user.....	5284
10.1.2.6.2	U10 active / RELEASE received.....	5285
10.1.2.6.3	U10 active / DISCONNECT with in band tones	5286
10.1.2.6.4	U10 active / DISCONNECT without in band tones	5288
10.1.2.6.5	U10 active / RELEASE COMPLETE received.....	5289
10.1.2.6.6	U10 active / SETUP received.....	5290
10.1.2.7	U11 disconnect request	5292
10.1.2.7.1	U11 disconnect request / clear collision	5292
10.1.2.7.2	U11 disconnect request / RELEASE received.....	5293
10.1.2.7.3	U11 disconnect request / timer T305 time-out	5294
10.1.2.7.4	U11 disconnect request / lower layer failure	5295
10.1.2.7.5	U11 disconnect request / unknown message received.....	5296

10.1.2.8	U12 disconnect indication	5297
10.1.2.8.1	U12 disconnect indication / call releasing requested by the user	5297
10.1.2.8.2	U12 disconnect indication / RELEASE received	5298
10.1.2.8.3	U12 disconnect indication / lower layer failure	5299
10.1.2.8.4	U12 disconnect indication / unknown message received	5301
10.1.2.9	Outgoing call / U19 release request	5302
10.1.2.9.1	Outgoing call / U19 release request / timer T308 time-out	5302
10.1.2.9.2	Outgoing call / U19 release request / 2nd timer T308 time-out.....	5303
10.1.2.9.3	Outgoing call / U19 release request / RELEASE received.....	5304
10.1.2.9.4	Outgoing call / U19 release request / RELEASE COMPLETE received.....	5305
10.1.2.9.5	Outgoing call / U19 release request / lower layer failure	5306
10.1.3	Establishment of an incoming call / Initial conditions	5307
10.1.3.1	Incoming call / U0 null state	5309
10.1.3.1.1	Incoming call / U0 null state / SETUP received with a non supported bearer capability	5309
10.1.3.2	Incoming call / U6 call present	5310
10.1.3.2.1	Incoming call / U6 call present / automatic call rejection	5310
10.1.3.3	Incoming call / U9 mobile terminating call confirmed	5312
10.1.3.3.1	Incoming call / U9 mobile terminating call confirmed / alerting or immediate connecting	5312
10.1.3.3.2	Incoming call / U9 mobile terminating call confirmed / DTCH assignment	5313
10.1.3.3.3	Void	5314
10.1.3.3.4	Incoming call / U9 mobile terminating call confirmed / DISCONNECT received	5314
10.1.3.3.5	Incoming call / U9 mobile terminating call confirmed / RELEASE received.....	5316
10.1.3.3.6	Incoming call / U9 mobile terminating call confirmed / lower layer failure	5317
10.1.3.3.7	Incoming call / U9 mobile terminating call confirmed / unknown message received	5318
10.1.3.4	Incoming call / U7 call received	5319
10.1.3.4.1	Incoming call / U7 call received / call accepted	5319
10.1.3.4.2	Incoming call / U7 call received / termination requested by the user	5320
10.1.3.4.3	Incoming call / U7 call received / DISCONNECT received	5321
10.1.3.4.4	Incoming call / U7 call received / RELEASE received	5323
10.1.3.4.5	Incoming call / U7 call received / lower layer failure	5324
10.1.3.4.6	Incoming call / U7 call received / unknown message received	5325
10.1.3.4.7	Incoming call / U7 call received / DTCH assignment	5326
10.1.3.4.8	Incoming call / U7 call received / RELEASE COMPLETE received.....	5327
10.1.3.5	Incoming call / U8 connect request.....	5329
10.1.3.5.1	Incoming call / U8 connect request / CONNECT acknowledged	5329
10.1.3.5.2	Incoming call / U8 connect request / timer T313 time-out.....	5330
10.1.3.5.3	Incoming call / U8 connect request / termination requested by the user	5331
10.1.3.5.4	Incoming call / U8 connect request / DISCONNECT received with in-band information.....	5332
10.1.3.5.5	Incoming call / U8 connect request / DISCONNECT received without in-band information.....	5334
10.1.3.5.6	Incoming call / U8 connect request / RELEASE received	5335
10.1.3.5.7	Incoming call / U8 connect request / lower layer failure	5336
10.1.3.5.8	Incoming call / U8 connect request / DTCH assignment	5337
10.1.3.5.9	Incoming call / U8 connect request / unknown message received	5338
10.1.4	In call functions	5339
10.1.4.1	In-call functions / DTMF information transfer	5339
10.1.4.1.1	In-call functions / DTMF information transfer / basic procedures	5339
10.1.4.2	In-call functions / user notification	5341
10.1.4.2.1	In-call functions / User notification / UE terminated.....	5341
10.1.4.3	In-call functions / channel changes	5342
10.1.4.3.1	In-call functions / channel changes / a successful channel change in active state/ Hard handover	5342
10.1.4.3.2	In-call functions / channel changes / an unsuccessful channel change in active mode/Hard handover	5343
10.1.4.4	In-call functions / UE terminated in-call modification.....	5344
10.1.4.4.1	In-call functions / UE terminated in-call modification / modify when new mode is not supported	5344
10.1.4.5	In-call functions / UE originated in-call modification.....	5344
10.1.4.5.1	In-call functions / UE originated in-call modification / a successful case of modifying	5344
10.1.4.5.2	In-call functions / UE originated in-call modification / modify rejected.....	5344
10.1.4.5.3	In-call functions / UE originated in-call modification / an abnormal case of acceptance.....	5345
10.1.4.5.4	In-call functions / UE originated in-call modification / an abnormal case of rejection	5345
10.1.4.5.5	In-call functions / UE originated in-call modification / time-out of timer T323	5345

10.1.4.5.6	In-call functions / UE originated in-call modification / a successful channel change in state mobile originating modify	5345
10.1.4.5.7	In-call functions / UE originated in-call modification / an unsuccessful channel change in state mobile originating modify	5345
10.1.4.5.8	In-call functions / UE originated in-call modification / unknown message received	5345
10.1.4.5.9	In-call functions / UE originated in-call modification / a release complete received	5345
10.2	Call Re-establishment	5345
10.2.1	Void	5345
10.3	User to user signalling	5345
11	Session Management Procedures	5347
11.1	PDP context activation	5347
11.1.1	Initiated by the UE	5347
11.1.1.1	Attach initiated by context activation/QoS Offered by Network is the QoS Requested	5347
11.1.1.1a	Attach initiated by context activation/QoS Offered by Network is the QoS Requested/Correct handling of QoS extensions for rates above 8640 kbps	5350
11.1.1.2	QoS offered by the network is a lower QoS	5354
11.1.1.2.1	Void	5354
11.1.1.2.2	Void	5354
11.1.1.3	Dual priority / T3396 override	5354
11.1.1.4	Dual priority / T3346 override	5356
11.1.2	PDP context activation requested by the network, successful and unsuccessful	5358
11.1.3	Abnormal Cases	5362
11.1.3.1	T3380 Expiry	5362
11.1.3.2	Collision of UE initiated and network requested PDP context activation	5363
11.1.3.3	Network initiated PDP context activation request for an already activated PDP context (on the UE side)	5366
11.1.3.4	Network reject with Back-off Timer	5367
11.1.4	Secondary PDP context activation procedures	5370
11.1.4.1	Successful Secondary PDP Context Activation Procedure Initiated by the UE	5370
11.1.4.1.1	QoS Offered by Network is the QoS Requested	5370
11.1.4.1.2	QoS Offered by Network is a lower QoS	5373
11.1.4.2	Unsuccessful Secondary PDP Context Activation Procedure Initiated by the UE	5374
11.1.4.3	Abnormal cases	5376
11.1.4.3.1	T3380 Expiry	5376
11.1.5	Secondary PDP context activation procedures initiated by network	5378
11.1.5.1	Successful Secondary PDP Context Activation Procedure Initiated by the Network	5378
11.1.5.2	Successful Secondary PDP Context Activation, Deactivation and Re-activation Initiated by the Network	5382
11.2	PDP context modification procedure	5392
11.2.1	Network initiated PDP context modification	5392
11.2.1a	Network initiated PDP context modification / Adding and deleting filters to TFT of a secondary PDP context	5393
11.2.1b	Network initiated PDP context modification / Adding filters to TFT of the Primary PDP context	5402
11.2.2	UE initiated PDP context modification	5412
11.2.2.1	UE initiated PDP Context Modification accepted by network	5412
11.2.2.2	UE initiated PDP Context Modification not accepted by the network	5413
11.2.2.3	UE initiated PDP Context Modification / Dual priority / low priority override	5416
11.2.3	Abnormal cases	5418
11.2.3.1	T3381 Expiry	5418
11.2.3.2	Collision of UE and network initiated PDP context modification procedures	5419
11.3	PDP context deactivation procedures	5421
11.3.1	PDP context deactivation initiated by the UE	5421
11.3.2	PDP context deactivation initiated by the network	5424
11.3.2a	PDP context deactivation initiated by the network / secondary PDP context active / deactivation of primary PDP context	5426
11.3.3	Abnormal cases	5429
11.3.3.1	T3390 Expiry	5429
11.3.3.2	Collision of UE and network initiated PDP context deactivation requests	5431
11.4	Unknown or Unforeseen Transaction Identifier/Non-semantical Mandatory Information Element Errors	5433
11.4.1	Error cases	5433
11.5	MBMS Context Activation	5436

11.5.1m	MBMS Context Activation requested by the network, Successful and Unsuccessful procedure / MBMS Multicast Service	5436
11.5.2m	Abnormal Cases	5440
11.5.2.1m	T3380 Expiry / MBMS Multicast Service	5440
11.5.2.2m	Network initiated MBMS context activation request for an already activated context (on the UE side) / MBMS Multicast Service	5441
11.6	MBMS Context deactivation	5443
11.6.1m	MBMS Context deactivation requested by the network, Successful / MBMS Multicast Service	5443
11.6.2	Void	5447
11.6.3	Void	5447
11.7m	Network Feature Support IE for MBMS / MBMS Multicast Service	5447
11.8	MBMS Service Request	5451
11.8.1m	MBMS Service request procedure not accepted by the network / MBMS Multicast Service	5451
11.8.2	MBMS Service Request procedure collision with Routing Area Update/ MBMS Selected Service.....	5453
11.8.2m	MBMS Service Request procedure collision with Routing Area Update / MBMS Multicast Service ...	5455
11.9	UE routing of uplink packets.....	5456
11.9.1	UE routing of uplink packets	5456
12	Elementary procedure for Packet Switched Mobility Management.....	5478
12.1	Applicability, default conditions and default messages.....	5478
12.2	PS attach procedure	5479
12.2.1	Normal PS attach	5479
12.2.1.1	PS attach / accepted.....	5479
12.2.1.1a	PS attach / accepted / Attach with IMSI.....	5483
12.2.1.1b	PS attach / accepted / PSM.....	5487
12.2.1.2	PS attach / rejected / IMSI invalid / illegal UE	5489
12.2.1.3	PS attach / rejected / IMSI invalid / PS services not allowed.....	5492
12.2.1.4	PS attach / rejected / PLMN not allowed	5495
12.2.1.5a	PS attach / rejected / roaming not allowed in this location area	5500
12.2.1.5b	PS attach / rejected / No Suitable Cells In Location Area.....	5512
12.2.1.5c	PS attach / rejected / Location area not allowed.....	5514
12.2.1.5d	PS attach / rejected / PS services not allowed in this PLMN	5517
12.2.1.5e	PS attach / rejected / Not authorized for this CSG	5521
12.2.1.6	PS attach / abnormal cases / access barred due to access class control	5524
12.2.1.7	PS attach / abnormal cases / change of routing area	5528
12.2.1.8	PS attach / abnormal cases / power off.....	5530
12.2.1.9	PS attach / abnormal cases / PS detach procedure collision.....	5531
12.2.1.10	PS attach / abnormal cases / Failure due to non-integrity protection	5533
12.2.1.11	PS attach / accepted / follow-on request pending indicator set	5536
12.2.1.12	PS attach / abnormal cases / access barred due to domain specific access restriction for PS domain.....	5539
12.2.1.13	NITZ / GMM/ Time zone, Time and DST Handling	5541
12.2.1.14	NITZ / GMM/ NITZ Parameters Storage and Deletion	5545
12.2.1.15	NITZ / GMM/ / MM and GMM Signalling	5548
12.2.1.16	PS attach / EAB active	5553
12.2.2	Combined PS attach.....	5555
12.2.2.1	Combined PS attach / PS and non-PS attach accepted	5555
12.2.2.2	Combined PS attach / PS only attach accepted	5560
12.2.2.3	Combined PS attach / PS attach while IMSI attach	5567
12.2.2.3a	Combined PS attach / NMO-I enabled in UE	5569
12.2.2.3b	5571
12.2.2.3c	Combined PS attach / congestion / GPRS services only	5571
12.2.2.4	Combined PS attach / rejected / IMSI invalid / illegal ME	5573
12.2.2.5	Combined PS attach / rejected / PS services and non-PS services not allowed	5576
12.2.2.6	Combined PS attach / rejected / PS services not allowed.....	5579
12.2.2.7a	Combined PS attach / rejected / location area not allowed	5582
12.2.2.7b	Combined PS attach / rejected / No Suitable Cells In Location Area	5587
12.2.2.7c	Combined PS attach / rejected / Roaming not allowed in this location area	5590
12.2.2.7d	Combined PS attach / rejected / PS services not allowed in this PLMN.....	5592
12.2.2.7e	Combined PS attach / rejected / Not authorized for this CSG.....	5595
12.2.2.8	Combined PS attach / abnormal cases / attempt counter check / miscellaneous reject causes.....	5598
12.2.2.9	Combined PS attach / abnormal cases / PS detach procedure collision	5603

12.2.2.10	Combined PS attach / abnormal cases / access barred due to paging permission with access control	5605
12.3	PS detach procedure	5607
12.3.1	UE initiated PS detach procedure	5607
12.3.1.1	PS detach / power off / accepted	5607
12.3.1.2	PS detach / accepted	5610
12.3.1.3	PS detach / abnormal cases / attempt counter check / procedure timeout	5612
12.3.1.4	PS detach / abnormal cases / GMM common procedure collision	5615
12.3.1.5	PS detach / power off / accepted / PS/IMSI detach	5618
12.3.1.6	PS detach / accepted / PS/IMSI detach	5619
12.3.1.7	PS detach / accepted / IMSI detach	5622
12.3.1.8	PS detach / abnormal cases / change of cell into new routing area	5624
12.3.1.9	PS detach / abnormal cases / PS detach procedure collision	5627
12.3.1.10	UE initiated detach/abnormal case/ Not authorized for this CSG	5629
12.3.2	Network initiated PS detach procedure	5632
12.3.2.1	PS detach / re-attach not required / accepted	5632
12.3.2.2	PS detach / rejected / IMSI invalid / PS services not allowed	5634
12.3.2.3	PS detach / IMSI detach / accepted	5636
12.3.2.4	PS detach / re-attach requested / accepted	5639
12.3.2.5	PS detach / rejected / location area not allowed	5641
12.3.2.6	PS detach / rejected / No Suitable Cells In Location Area	5646
12.3.2.7	PS detach / rejected / Roaming not allowed in this location area	5649
12.3.2.8	PS detach / rejected / PS services not allowed in this PLMN	5653
12.4	Routing area updating procedure	5659
12.4.1	Normal routing area updating	5659
12.4.1.1a	Routing area updating / accepted	5659
12.4.1.1b	Routing area updating / accepted / Signalling connection re-establishment	5663
12.4.1.1c	Void	5666
12.4.1.1d	Routing area updating / accepted / SMS via GPRS supported	5666
12.4.1.1dm	Handling of MBMS context status information in ROUTING AREA UPDATE procedure/ MBMS Multicast Service	5668
12.4.1.1e	Routing area updating / accepted / low priority override	5672
12.4.1.1f	Routing area updating / accepted / PSM	5676
12.4.1.2	Routing area updating / rejected / IMSI invalid / illegal ME	5679
12.4.1.3	Routing area updating / rejected / UE identity cannot be derived by the network	5682
12.4.1.4a	Routing area updating / rejected / location area not allowed	5685
12.4.1.4b	Routing area updating / rejected / No Suitable Cells In Location Area	5690
12.4.1.4c	Routing area updating / rejected / PS services not allowed in this PLMN	5692
12.4.1.4d	Routing area updating / rejected / Roaming not allowed in this location area	5697
12.4.1.4e	Routing area updating / rejected / Not authorized for this CSG	5704
12.4.1.4f	Routing area updating / rejected / Congestion	5707
12.4.1.5	Routing area updating / abnormal cases / attempt counter check / miscellaneous reject causes	5710
12.4.1.6	Routing area updating / abnormal cases / change of cell into new routing area	5714
12.4.1.7	Void	5716
12.4.1.8	Routing area updating / abnormal cases / P-TMSI reallocation procedure collision	5716
12.4.1.9	Routing area updating / EAB active	5719
12.4.2	Combined routing area updating	5721
12.4.2.1	Combined routing area updating / combined RA/LA accepted	5721
12.4.2.2	Combined routing area updating / UE in CS operation at change of RA	5725
12.4.2.3	Combined routing area updating / RA only accepted	5727
12.4.2.3a	Void	5735
12.4.2.3b	Combined routing area updating / SMS only	5735
12.4.2.3c	Combined routing area updating / congestion / GPRS services only	5737
12.4.2.4	Combined routing area updating / rejected / PLMN not allowed	5740
12.4.2.5a	Combined routing area updating / rejected / roaming not allowed in this location area	5744
12.4.2.5b	Combined routing area updating / rejected / No Suitable Cells In Location Area	5752
12.4.2.5c	Combined routing area updating / rejected / Location area not allowed	5756
12.4.2.5d	Combined routing area updating / rejected / PS services not allowed in this PLMN	5758
12.4.2.5e	Combined routing area updating / rejected / Not authorized for this CSG	5761
12.4.2.6	Combined routing area updating / abnormal cases / access barred due to access class control	5764
12.4.2.7	Combined routing area updating / abnormal cases / attempt counter check / procedure timeout	5769
12.4.2.8	Combined routing area updating / abnormal cases / change of cell into new routing area	5773

12.4.2.9	Void.....	5776
12.4.2.10	Combined routing area updating / abnormal cases / PS detach procedure collision	5776
12.4.2.11	Combined routing area updating / abnormal cases / access barred due to domain specific access restriction for CS domain	5779
12.4.2.12	Combined routing area updating / abnormal cases / access barred due to domain specific access restriction for PS domain	5782
12.4.3	Periodic routing area updating	5785
12.4.3.1	Periodic routing area updating / accepted	5785
12.4.3.2	Periodic routing area updating / accepted / T3312 default value	5786
12.4.3.2a	Periodic routing area updating / accepted / per-device timer	5788
12.4.3.2b	Periodic routing area updating / accepted / PSM / T3312 Extended Value	5791
12.4.3.3	Periodic routing area updating / no cell available / network mode I	5794
12.4.3.4	Periodic routing area updating / no cell available	5797
12.5	P-TMSI reallocation	5798
12.6	PS authentication.....	5801
12.6.1	Test of authentication.....	5801
12.6.1.1	Authentication accepted	5801
12.6.1.2	Authentication rejected by the network.....	5804
12.6.1.3	Authentication rejected by the UE	5807
12.6.1.3.1	GMM cause 'MAC failure'	5807
12.6.1.3.2	GMM cause 'Synch failure'	5810
12.6.1.3.3	Authentication rejected by the UE / fraudulent network	5813
12.6.2	Void	5816
12.7	Identification procedure	5816
12.7.1	General Identification	5816
12.8	GMM READY timer handling.....	5819
12.9	Service Request procedure (UMTS Only).....	5822
12.9.1	Service Request Initiated by UE Procedure.....	5822
12.9.2	Service Request Initiated by Network Procedure	5824
12.9.3	Service Request / rejected / Illegal MS	5826
12.9.4	Service Request / rejected / PS services not allowed.....	5830
12.9.5	Service Request / rejected / MS identity cannot be derived by the network.....	5834
12.9.6	Service Request / rejected / PLMN not allowed	5837
12.9.7a	Service Request / rejected / No PDP context activated.....	5840
12.9.7b	Service Request / rejected / No Suitable Cells In Location Area.....	5843
12.9.7c	Service Request / rejected / Roaming not allowed in this location area	5846
12.9.7d	Service Request / rejected / Not authorized for this CSG	5849
12.9.8	Service Request / Abnormal cases / Access barred due to access class control.....	5852
12.9.9	Service Request / Abnormal cases / Routing area update procedure is triggered	5854
12.9.10	Service Request / Abnormal cases / Power off	5858
12.9.11	Service Request / Abnormal cases / Service request procedure collision	5860
12.9.12	Service Request / RAB re-establishment / UE initiated / Single PDP context	5862
12.9.13	Service Request / RAB re-establishment / UE initiated / multiple PDP contexts	5865
12.9.14	Service Request / RAB re-establishment / Network initiated / single PDP context.....	5867
12.9.15	Service Request / abnormal cases / access barred due to domain specific access restriction for PS domain	5868
12.9.16	MBMS SERVICE REQUEST / counting / MBMS Selected Service.....	5871
12.9.16m	MBMS SERVICE REQUEST / counting / MBMS Multicast Service	5872
12.9.17	MBMS SERVICE REQUEST / point to point RBs / MBMS Selected Service	5873
12.9.17m	MBMS SERVICE REQUEST / point to point RBs / MBMS Multicast Service.....	5875
12.9.18m	Handling of MBMS context status information in SERVICE REQUEST and SERVICE ACCEPT messages / MBMS Multicast Service	5876
13	General Tests.....	5878
13.1	Emergency call / general	5878
13.2	Emergency call	5878
13.2.1	Emergency call / with USIM	5879
13.2.1.1	Emergency call / with USIM / accept case.....	5879
13.2.2	Emergency call / without USIM.....	5881
13.2.2.1	Emergency call / without USIM / accept case	5881
13.2.2.2	Emergency call / without USIM / reject case	5883
13.3	eCall Emergency Call Procedures	5885

13.3.1	eCall / with USIM.....	5885
13.3.1.1	Void.....	5885
13.3.1.2	Test eCall using eCall capable UE with eCall only subscription.....	5885
13.3.1.3	Manually initiated eCall using eCall capable UE with "eCall only" subscription on USIM.....	5888
13.3.1.4	Reconfiguration eCall using eCall capable UE with an 'eCall only' subscription on USIM.....	5890
13.3.1.5	Manually initiated eCall using eCall capable UE with eCall and non eCall subscriptions on USIM.....	5893
13.3.1.6	eCall Inactivity State after T3242 expires.....	5895
13.3.1.7	Automatically initiated eCall.....	5898
13.3.1.8	Void.....	5901
13.3.1.9	Void.....	5901
13.3.1.10	eCall Inactivity State after T3243 expires.....	5901
13.4	Emergency calls over IMS.....	5904
13.4.1	Emergency bearer services over IMS / NORMAL-SERVICE / Success.....	5904
13.4.2	Emergency bearer services over IMS / LIMITED-SERVICE / Success.....	5906
13.4.3	Emergency bearer services over IMS / NO-IMSI / Success.....	5908
13.4.4	Emergency bearer services over IMS / NORMAL-SERVICE / Authentication not accepted by the UE and Timer 3318 expires.....	5910
13.4.5	Authentication not accepted by the UE / Synch failure / Authentication not accepted by the UE and Timer 3320 expires.....	5912
13.4.6	Handling of Local Emergency Numbers List provided during Attach procedure.....	5914
13.4.7	UE has PDN connection only for emergency bearer services / Normal routing area update / Accepted / Handling of the equivalent PLMNs list when PLMN is member of the "forbidden PLMN" list.....	5918
13.4.8	Handling of Local Emergency Numbers List provided during normal Routing area update procedure.....	5921
13.4.9	Attach for emergency bearer services / Rejected / No suitable cells in location area / Emergency call using the CS domain.....	5925
13.4.10	Emergency bearer services / CSG cell / LIMITED-SERVICE / Attach / Security mode control procedure without prior authentication / PDN connect / Service request / PDN disconnect / Detach upon UE switched off / Temporary storage of GMM information.....	5927
14	Interoperability Radio Bearer Tests.....	5931
14.1	General information for interoperability radio bearer tests.....	5931
14.1.1	Generic radio bearer test procedure for single RB configurations.....	5931
14.1.1a	Generic radio bearer test procedure for standalone AMR RB configurations using SRB#5 for TFC control.....	5933
14.1.2	Generic test procedure for testing multi-RB combinations and simultaneous signalling.....	5935
14.1.2a	Generic test procedure for testing multi-RB combinations and simultaneous signalling in case of DSCH.....	5939
14.1.3	General information interoperability radio bearer tests for HS-DSCH.....	5946
14.1.3.1	HS-DSCH radio bearer test parameters.....	5946
14.1.3.2	Selecting TFRC test points.....	5947
14.1.3.2.1	Principle for non-enhanced Layer 2.....	5947
14.1.3.2.1a	Principle for enhanced Layer 2.....	5949
14.1.3.3	TFRC test points for MAC-d PDU size=336.....	5949
14.1.3.4	TFRC test points for MAC-d PDU size=656.....	5958
14.1.3.4b	TB test points for enhanced Layer 2.....	5963
14.1.3.4b.1	TFRC test points for MAC-ehs and QPSK with fixed MAC-d PDU size=336.....	5963
14.1.3.4b.2	TFRC test points for MAC-ehs and fixed MAC-d PDU size=656 or flexible MAC-d PDU size; or for radio bearer combinations with mix of fixed and flexible MAC-d PDU sizes.....	5968
14.1.3.5	Generic test procedure for HS-DSCH radio bearer combinations with non-enhanced Layer 2.....	5989
14.1.3.5a	Generic test procedure for HS-DSCH radio bearer combinations with enhanced Layer 2.....	5992
14.1.3.5b	Generic test procedure for HS-DSCH radio bearer combinations with enhanced Layer 2 for Three-Cell case.....	5998
14.1.3.6	Generic test procedure for HS-DSCH radio bearer combinations with AMR RB configurations using SRB#5 for TFC control.....	6003
14.1.4	General information interoperability radio bearer tests for E-DCH and HS-DSCH combinations.....	6007
14.1.4.1	Generic test procedure for HS-DSCH and E-DCH radio bearer combinations.....	6007
14.1.4.1a	Generic test procedure for HS-DSCH and E-DCH radio bearer combinations with downlink enhanced Layer 2.....	6010
14.1.4.1b	Generic test procedure for HS-DSCH and E-DCH radio bearer combinations with downlink and uplink enhanced Layer 2.....	6011

14.1.4.1c	Generic test procedure for Dual-Cell HS-DSCH and Dual-Cell E-DCH radio bearer combinations	6011
14.1.4.2	Generic test procedure for HS-DSCH and E-DCH radio bearer combinations with AMR RB configurations using SRB#5 for TFC control	6013
14.1.4.3	Generic test procedure for HS-DSCH and E-DCH radio bearer combinations for enhanced uplink in CELL_FACH.....	6017
14.1.5	Generic test procedure for radio bearers on MTCH.....	6020
14.1.5m	Generic test procedure for radio bearers on MTCH in MBSFN Mode.....	6022
14.1.6	Generic test procedure for MBMS PTP radio bearers for HS-DSCH combinations	6024
14.2	Combinations on DPCH.....	6027
14.2.1	Stand-alone UL:1.7 DL:1.7 kbps SRBs for DCCH	6027
14.2.2	Stand-alone UL:3.4 DL:3.4 kbps SRBs for DCCH	6028
14.2.3	Stand-alone UL:13.6 DL:13.6 kbps SRBs for DCCH	6028
14.2.4	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH..	6028
14.2.4a	Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6030
14.2.4b	Conversational / speech / UL:(12.2 7.4 5.9 4.75) DL:(12.2 7.4 5.9 4.75) kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH + DL:0.15 kbps SRB#5 for DCCH	6032
14.2.5	Conversational / speech / UL:10.2 DL:10.2 kbps / CS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH.	6034
14.2.5a	Conversational / speech / UL:(10.2, 6.7, 5.9, 4.75) DL:(10.2, 6.7, 5.9, 4.75) kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.	6036
14.2.6	Conversational / speech / UL:7.95 DL:7.95 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH..	6039
14.2.7	Conversational / speech / UL:7.4 DL:7.4 kbps / CS RAB+ UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6040
14.2.7a	Conversational / speech / UL:(7.4, 6.7, 5.9, 4.75) DL:(7.4, 6.7, 5.9, 4.75) kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6042
14.2.8	Conversational / speech / UL:6.7 DL:6.7 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6044
14.2.9	Conversational / speech / UL:5.9 DL:5.9 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6045
14.2.10	Conversational / speech / UL:5.15 DL:5.15 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH..	6047
14.2.11	Conversational / speech / UL:4.75 DL:4.75 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH..	6048
14.2.12	Conversational / unknown / UL:28.8 DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6050
14.2.13	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH....	6052
14.2.13.1	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 20 ms TTI	6052
14.2.13.2	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 40 ms TTI	6053
14.2.14	Conversational / unknown / UL:32 DL:32 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH....	6055
14.2.14.1	Conversational / unknown / UL:32 DL:32 kbps / CS RAB / 20 ms TTI	6055
14.2.14.2	Conversational / unknown / UL:32 DL:32 kbps / CS RAB / 40 ms TTI	6056
14.2.15	Streaming / unknown / UL:14.4/DL:14.4 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6057
14.2.16	Streaming / unknown / UL:28.8/DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6059
14.2.17	Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6060
14.2.18	Void	6063
14.2.19	Void	6063
14.2.20	Void	6063
14.2.21	Void	6063
14.2.22	Void	6063
14.2.23	Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6063
14.2.23.1	Interactive or background / UL:32 DL:8 kbps / PS RAB / (TC, 10 ms TTI)	6063
14.2.23.2	Interactive or background / UL:32 DL:8 kbps / PS RAB / (TC, 20 ms TTI).....	6064
14.2.23.3	Interactive or background / UL:32 DL:8 kbps / PS RAB / (CC, 10 ms TTI).....	6065
14.2.23.4	Interactive or background / UL:32 DL:8 kbps / PS RAB / (CC, 20 ms TTI).....	6065
14.2.23a	Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.	6066
14.2.23a.1	Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / CC	6066
14.2.23a.2	Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / TC	6067
14.2.23b	Interactive or background / UL:16 DL:16 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.	6067
14.2.23c	Interactive or background / UL:32 DL:32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.	6069
14.2.23d	Interactive or background / UL:32 DL:32 kbps / PS RAB (20 ms TTI) + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6071
14.2.24	Void	6072
14.2.25	Interactive or background / UL:32 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6072
14.2.25.1	Interactive or background / UL:32 DL: 64 kbps / PS RAB / (TC, 10 ms TTI).....	6072

14.2.25.2	Interactive or background / UL:32 DL: 64 kbps / PS RAB / (TC, 20 ms TTI).....	6074
14.2.25.3	Interactive or background / UL:32 DL:64 kbps / PS RAB / (CC, 10 ms TTI).....	6075
14.2.25.4	Interactive or background / UL:32 DL:64 kbps / PS RAB / (CC, 20 ms TTI).....	6075
14.2.26	Interactive or background / UL:64 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6076
14.2.27	Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH ...	6078
14.2.28	Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH .	6080
14.2.29	Interactive or background / UL:64 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH ..	6082
14.2.30	Interactive or background / UL:144 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH	6084
14.2.31	Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH ..	6086
14.2.31.1	Interactive or background / UL:64 DL:256 kbps / PS RAB / 10 ms TTI.....	6086
14.2.31.2	Interactive or background / UL:64 DL:256 kbps / PS RAB / 20 ms TTI.....	6088
14.2.32	Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH ..	6090
14.2.32.1	Interactive or background / UL:64 DL:384 kbps / PS RAB / 10 ms TTI.....	6090
14.2.32.2	Interactive or background / UL:64 DL:384 kbps / PS RAB / 20 ms TTI.....	6092
14.2.33	Interactive or background / UL:128 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH	6095
14.2.33.1	Interactive or background / UL:128 DL:384 kbps / PS RAB / 10 ms TTI.....	6095
14.2.33.2	Interactive or background / UL:128 DL:384 kbps / PS RAB / 20 ms TTI.....	6097
14.2.34	Interactive or background / UL:384 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH .	6100
14.2.34.1	Interactive or background / UL:384 DL:384 kbps / PS RAB / 10 ms TTI.....	6100
14.2.34.2	Interactive or background / UL:384 DL:384 kbps / PS RAB / 20 ms TTI.....	6102
14.2.35	Interactive or background / UL:64 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH .	6105
14.2.35.1	Interactive or background / UL:64 DL:2048 kbps / PS RAB / 10 ms TTI.....	6105
14.2.35.2	Interactive or background / UL:64 DL:2048 kbps / PS RAB / 20 ms TTI.....	6108
14.2.36	Void	6113
14.2.37	Void	6113
14.2.38	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6113
14.2.38.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:8 kbps / PS RAB / (TC, 20 ms TTI)	6113
14.2.38.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:8 kbps / PS RAB / (TC, 10 ms TTI)	6116
14.2.38.3	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:8 kbps / PS RAB / (CC, 20 ms TTI)	6119
14.2.38.4	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:8 kbps / PS RAB / (CC, 10 ms TTI)	6119
14.2.38a	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:0 DL:0 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6119
14.2.38b	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6120
14.2.38c	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6123
14.2.38d	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:64 kbps / PS RAB + Interactive or background / UL:64 DL:64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6128
14.2.38e	Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB + Interactive or background / UL:0 DL:0 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.	6133
14.2.38f	Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.	6136
14.2.38g	Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB + Interactive or background / UL:16 DL:16 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.	6141
14.2.38h	Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB + Interactive or background / UL:32 DL:32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.	6148
14.2.38i	Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB + Interactive or background / UL:64 DL:64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.	6156
14.2.38j	Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB + Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH. ..	6166
14.2.39	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:64 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH.....	6177
14.2.39.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:64 kbps / PS RAB / (TC, 10 ms TTI)	6177
14.2.39.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:64 kbps / PS RAB / (TC, 20 ms TTI)	6182

14.2.39.3	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:64 kbps / PS RAB / (CC, 10 ms TTI)	6188
14.2.39.4	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:64 kbps / PS RAB / (CC, 20 ms TTI)	6188
14.2.40	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:64 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH.....	6188
14.2.41	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6193
14.2.42	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6199
14.2.42.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:256 kbps / PS RAB / 10 ms TTI	6199
14.2.42.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:256 kbps / PS RAB / 20 ms TTI	6205
14.2.43	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6212
14.2.43.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:384 kbps / PS RAB / 10 ms TTI	6212
14.2.43.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:384 kbps / PS RAB / 20 ms TTI	6218
14.2.44	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:128 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6227
14.2.44.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:128 DL:2048 kbps / PS RAB / 10 ms TTI.....	6227
14.2.44.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:128 DL:2048 kbps / PS RAB / 20 ms TTI.....	6237
14.2.45	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / unknown / UL:57.6 DL:57.6 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6252
14.2.46	Void	6257
14.2.47	Void	6257
14.2.48	Void	6257
14.2.49	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6257
14.2.49.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 20 ms TTI.....	6257
14.2.49.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 40 ms TTI	6260
14.2.49a	Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL(12.2 7.95 5.9 4.75) kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH (20ms TTI).....	6263
14.2.49a.1	Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL(12.2 7.95 5.9 4.75) kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH (40ms TTI).....	6268
14.2.50	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6273
14.2.50.1	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI.....	6273
14.2.50.2	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 40 ms TTI.....	6276
14.2.51	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or background / UL:64 DL:64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6278
14.2.51.1	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 20 ms TTI + Interactive or background / UL:64 DL:64 kbps / PS RAB	6278
14.2.51.2	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 40 ms TTI + Interactive or background / UL:64 DL:64 kbps / PS RAB	6281
14.2.51a	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or Background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.	6285
14.2.51a.1	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 20 ms TTI + Interactive or background / UL:8 DL:8 kbps / PS RAB.....	6285
14.2.51a.2	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 40 ms TTI + Interactive or background / UL:8 DL:8 kbps / PS RAB.....	6288

14.2.51b	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or Background / UL:16 DL:64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6290
14.2.51b.1	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 20 ms TTI + Interactive or background / UL:16 DL:64 kbps / PS RAB.....	6290
14.2.51b.2	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 40 ms TTI + Interactive or background / UL:16 DL:64 kbps / PS RAB.....	6293
14.2.52	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6297
14.2.52.1	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 20 ms TTI + Interactive or background / UL:64 DL:128 kbps / PS RAB.....	6297
14.2.52.2	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 40 ms TTI + Interactive or background / UL:64 DL:128 kbps / PS RAB.....	6301
14.2.53	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6305
14.2.53.1	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 20 ms TTI + Interactive or background / UL:128 DL:128 kbps / PS RAB.....	6305
14.2.53.2	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 40 ms TTI + Interactive or background / UL:128 DL:128 kbps / PS RAB.....	6309
14.2.54	Void.....	6313
14.2.55	Void.....	6313
14.2.56	Interactive or background / UL:8 DL:8 kbps / PS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6313
14.2.57	Interactive or background / UL:64 DL:64 kbps / PS RAB + Interactive or background / UL:64 DL:64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6315
14.2.58	Streaming / unknown / UL:16 DL:64 kbps / PS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6319
14.2.58a	Streaming / unknown / UL:16 DL:128 kbps / PS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6322
14.2.59	Void.....	6329
14.2.60	Void.....	6329
14.2.61	Void.....	6329
14.2.62	Conversational / speech / UL:(12.65 8.85 6.6) DL:(12.65 8.85 6.6) kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH + DL:0.15 kbps SRB#5 for DCCH.....	6329
14.2.63	Interactive or background / UL:64 DL:768 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6331
14.2.63.1	Interactive or background / UL:64 DL:768 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH/ 10 ms TTI.....	6331
14.2.63.2	Interactive or background / UL:64 DL:768 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH / 20 ms TTI.....	6334
14.3	Combinations on PDSCH and DPCH.....	6338
14.3.1	Void.....	6338
14.3.2	Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH.....	6338
14.3.2.1	Interactive or background / UL:64 DL:384 kbps / PS RAB / 10 ms TTI.....	6338
14.3.2.2	Interactive or background / UL:64 DL:384 kbps / PS RAB / 20 ms TTI.....	6340
14.3.3	Interactive or background / UL:64 DL:2048 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH.....	6342
14.3.3.1	Interactive or background / UL:64 DL:2048 kbps / PS RAB / 10 ms TTI.....	6342
14.3.3.2	Interactive or background / UL:64 DL:2048 kbps / PS RAB / 20 ms TTI.....	6345
14.3.4	Void.....	6350
14.3.5	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6350
14.3.5.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI.....	6350
14.3.5.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI.....	6355
14.3.6	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6361
14.3.6.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI.....	6361
14.3.6.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 10 ms TTI.....	6368
14.4	Combinations on SCCPCH.....	6377
14.4.1	Stand-alone signalling RB for PCCH.....	6377
14.4.2	Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH.....	6377

14.4.2.1	One SCCPCH: Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH.....	6378
14.4.2.2	Two SCCPCHs: Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH	6379
14.4.2.3	One SCCPCH/connected mode: Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH.....	6380
14.4.2a	Interactive/Background 32 kbps PS RAB + Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH.....	6382
14.4.2a.1	One SCCPCH: Interactive/Background 32 kbps PS RAB + Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH	6385
14.4.2a.2	Two SCCPCHs: Interactive/Background 32 kbps PS RAB + Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH	6386
14.4.2a.3	One SCCPCH/connected mode: Interactive/Background 32 kbps PS RAB + Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH.....	6388
14.4.3	Interactive/Background 32 kbps RAB + SRBs for PCCH + SRB for CCCH + SRB for DCCH + SRB for BCCH	6389
14.4.4	RB for CTCH + SRB for CCCH +SRB for BCCH	6391
14.4.5	64.8kbps RB for MTCH with 80 ms TTI / MBMS Broadcast Service.....	6393
14.4.5m	64.8kbps RB for MTCH with 80 ms TTI / MBMS Multicast Service.....	6394
14.4.5n	64.8kbps RB for MTCH with 80 ms TTI / MBMS Multicast Service in MBSFN mode	6395
14.4.6	129.6 kbps RB for MTCH with 80 ms TTI / MBMS Broadcast Service.....	6396
14.4.6m	129.6 kbps RB for MTCH with 80 ms TTI / MBMS Multicast Service.....	6398
14.4.6n	129.6 kbps RB for MTCH with 80 ms TTI / MBMS Broadcast Service in MBSFN mode	6398
14.4.7	259.2 kbps RB for MTCH with 40 ms TTI / MBMS Broadcast Service.....	6399
14.4.7m	259.2 kbps RB for MTCH with 40 ms TTI / MBMS Multicast Service.....	6401
14.4.7n	259.2 kbps RB for MTCH with 40 ms TTI / MBMS Broadcast Service in MBSFN mode	6401
14.5	Combinations on PRACH	6402
14.5.1	Interactive/Background 32 kbps PS RAB + SRB for CCCH + SRB for DCCH	6402
14.5.2	Interactive/Background 32 kbps PS RAB + Interactive/Background 32 kbps PS RAB + SRB for CCCH + SRB for DCCH	6402
14.5.3	Interactive/Background / UL:32 DL: [max bit rate depending on UE category] with fixed RLC and MAC-ehs / PS RAB + SRBs for DCCH on RACH and SRB with fixed RLC and MAC-ehs on HS-DSCH / DL:QPSK.....	6402
14.6	Combinations on DPCH and HS-PDSCH.....	6404
14.6.1	Interactive or background / UL:64 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6404
14.6.1a	Interactive or background / UL:128 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6410
14.6.1b	Interactive or background / UL:64 DL: [max bit rate depending on UE category] with Fixed RLC and MAC-ehs PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: QPSK and 16QAM.....	6413
14.6.1c	Interactive or background / UL:64 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: 64QAM	6416
14.6.1d	Interactive or background / UL:64 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: QPSK, 16QAM and MIMO	6419
14.6.1e	Interactive or background / UL:64 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: 64QAM and MIMO	6421
14.6.1f	Interactive or background / UL:64 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: QPSK, 16QAM and Dual-Cell	6423
14.6.1g	Interactive or background / UL:64 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: 64QAM and Dual-Cell	6425
14.6.1h	Interactive or background / UL:64 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: 16QAM, Dual-Cell and MIMO	6427
14.6.1i	Interactive or background / UL:64 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: 64QAM, Dual-Cell and MIMO	6429
14.6.1j	Interactive or background / UL: 64 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs PS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH / DL: QPSK, 16QAM, 64QAM and 3C - 3C on Single Band (3-0)	6431
14.6.1k	Interactive or background / UL: 64 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs PS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH / DL: QPSK, 16QAM, 64QAM and 3C - 3C on Dual Band (2-1).....	6433

14.6.11	Interactive or background / UL: 64 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs PS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH / DL: QPSK, 16QAM, 64QAM and 3C - 3C on Dual Band (1-2).....	6434
14.6.2	Interactive or background / UL:384 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6435
14.6.3	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:384 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6437
14.6.3a	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL: 64 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6442
14.6.4	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or background / UL:384 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6446
14.6.4a	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or background / UL:64 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6450
14.6.5	Interactive or background / UL:384 DL:[Bit rate depending on the UE category] / PS RAB + Interactive or background / UL:384 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6455
14.6.5a	Interactive or background / UL:64 DL:[Bit rate depending on the UE category] / PS RAB + Interactive or background / UL:64 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6459
14.6.6	Streaming / unknown / UL:128 DL: [guaranteed 128, max bit rate depending on UE category] kbps / PS RAB + Interactive or background / UL:128 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6463
14.6.6a	Streaming / unknown / UL:128 DL: [guaranteed 128, max bit rate depending on UE category] with Fixed RLC and MAC-ehs / PS RAB + Interactive or background / UL:128 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: QPSK and 16QAM.....	6470
14.6.6b	Streaming / unknown / UL:128 DL: [guaranteed 128, max bit rate depending on UE category] with Fixed RLC and MAC-ehs / PS RAB + Interactive or background / UL:128 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: 64QAM.....	6476
14.6.6c	Streaming / unknown / UL:128 DL: [guaranteed 128, max bit rate depending on UE category] with Fixed RLC and MAC-ehs / PS RAB + Interactive or background / UL:128 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: QPSK, 16QAM and MIMO.....	6481
14.6.6d	Streaming / unknown / UL:128 DL: [guaranteed 128, max bit rate depending on UE category] with Fixed RLC and MAC-ehs / PS RAB + Interactive or background / UL:128 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: 64QAM and MIMO.....	6487
14.6.6e	Streaming / unknown / UL:128 DL: [guaranteed 128, max bit rate depending on UE category] with Fixed RLC and MAC-ehs / PS RAB + Interactive or background / UL:128 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: QPSK, 16QAM and Dual-Cell	6491
14.6.6f	Streaming / unknown / UL:128 DL: [guaranteed 128, max bit rate depending on UE category] with Fixed RLC and MAC-ehs / PS RAB + Interactive or background / UL:128 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: 64QAM and Dual-Cell	6494
14.6.6g	Streaming / unknown / UL:128 DL: [guaranteed 128, max bit rate depending on UE category] with Fixed RLC and MAC-ehs / PS RAB + Interactive or background / UL:128 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: combination of 16QAM, Dual-Carrier and MIMO	6497
14.6.6h	Streaming / unknown / UL:128 DL: [guaranteed 128, max bit rate depending on UE category] with Fixed RLC and MAC-ehs / PS RAB + Interactive or background / UL:128 DL: [max bit rate depending on UE category] with Flexible RLC and MAC-ehs / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / DL: combination of 64QAM, Dual-Carrier and MIMO	6501
14.6.7	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / unknown / UL:128 DL: [guaranteed 128, max bit rate depending on UE category] kbps / PS RAB + Interactive or background / UL:128 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6504
14.6.8	Conversational / speech / UL:(12.65 8.85 6.6) DL:(12.65 8.85 6.6) kbps / CS RAB + Interactive or Background / UL:384 DL:[Bit rate depending on the UE category] / PS RAB+ UL:3.4 DL:3.4 kbps SRBs for DCCH + DL:0.15 kbps SRB#5 for DCCH	6512

14.6.9	Streaming MBMS PTP / unknown / UL:16 DL: [max bit rate depending on UE category] kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / MBMS Selected Service.....	6517
14.6.9m	Streaming MBMS PTP / unknown / UL:16 DL: [max bit rate depending on UE category] kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / MBMS Multicast Service	6519
14.6.10	Streaming MBMS PTP / unknown / UL:16 DL: [max bit rate depending on UE category] kbps / PS RAB + Interactive or background / UL:64 DL: [max bit rate depending on UE category] / PS RAB + Interactive or background / UL:64 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / MBMS Selected Service	6519
14.6.10m	Streaming MBMS PTP / unknown / UL:16 DL: [max bit rate depending on UE category] kbps / PS RAB + Interactive or background / UL:64 DL: [max bit rate depending on UE category] / PS RAB + Interactive or background / UL:64 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / MBMS Multicast Service	6523
14.7	Combinations on DPCH, HS-PDSCH and E-DPDCH.....	6524
14.7.1	Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH on DCH	6524
14.7.1a	Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL: [max bit rate depending on UE category and TTI] DL:3.4 kbps SRBs for DCCH on E-DCH and DL DCH/ UL 16QAM	6526
14.7.2	Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:[max bit rate depending on UE category and TTI] DL:3.4 kbps SRBs for DCCH on E-DCH and DL DCH	6527
14.7.3	Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH ..	6528
14.7.3a	Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] with Flexible RLC, MAC-ehs and MAC-i/is / PS RAB + UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH with MAC-ehs and MAC-i/is	6528
14.7.3b	Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] with Flexible RLC, MAC-ehs and MAC-i/is / PS RAB + UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH with MAC-ehs and MAC-i/is / UL: QPSK and Dual-Cell DL: 16QAM and Dual-Cell.....	6530
14.7.3c	Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] with Flexible RLC, MAC-ehs and MAC-i/is / PS RAB + UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH with MAC-ehs and MAC-i/is / UL: 16QAM and Dual-Cell.....	6532
14.7.4	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6533
14.7.5	Streaming or interactive or background / UL:[max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] kbps / PS RAB + Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:[max bit rate depending on UE category and TTI] DL:3.4 kbps SRBs for DCCH on E-DCH and DL DCH.....	6537
14.7.6	Conversational / unknown or speech / UL:[max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] kbps / PS RAB + Streaming or Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:[max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH	6539
14.7.6a	Conversational / unknown or speech / UL:[max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] kbps / PS RAB + Streaming or Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:[max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH/ UL 16QAM.....	6542

14.7.6b	Conversational / unknown or speech / UL:[max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] kbps with Flexible RLC and MAC-ehs / PS RAB + Streaming or Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] with Fixed RLC and MAC-ehs / PS RAB + UL:[max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] SRBs for DCCH on E-DCH and SRBs with Fixed RLC and MAC-ehs on HS-DSCH / UL: QPSK and DL: QPSK	6545
14.7.6c	Conversational / unknown or speech / UL:[max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] kbps with Flexible RLC, MAC-ehs and MAC-i/is / PS RAB + Streaming or Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] with Fixed RLC, MAC-ehs and MAC-i/is / PS RAB + UL:[max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH with MAC-ehs and MAC-i/is / UL: QPSK and DL: QPSK	6548
14.7.7	Conversational / unknown or speech / UL:[max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] kbps / PS RAB + Streaming or Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + Streaming or Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:[max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH	6551
14.7.8	Conversational / speech / UL:(12.65 8.85 6.6) DL:(12.65 8.85 6.6) kbps / CS RAB + Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH + DL:0.15 kbps SRB#5 for DCCH	6556
14.7.9	Conversational / speech / UL:(12.2, 7.95, 5.9, 4.75) kbps DL: (12.2, 7.95, 5.9, 4.75) kbps / CS RAB on E-DCH and HS-DSCH + UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH	6560
14.7.10	Conversational / speech / UL:(12.65, 8.85, 6.6) kbps DL: (12.65, 8.85, 6.6) kbps / CS RAB on E-DCH and HS-DSCH + UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH	6561
14.7.11	Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH for enhanced uplink/downlink in CELL_FACH	6563
14.7.11a	Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] SRBs for DCCH on common E-DCH and HS-DSCH for enhanced CELL_FACH with DRX configured	6565
15	Supplementary Services	6567
15.1	CLIP	6567
15.1.1	CLIP / Normal operation	6567
15.2	CLIR	6569
15.2.1	CLIR / Normal operation - requesting presentation of CLI	6569
15.2.2	CLIR / Normal operation - requesting restriction of CLI presentation	6570
15.3	CNAP	6572
15.3.1	CNAP/Normal Operation – Name indication contained in Setup message	6572
15.3.2	CNAP/Normal Operation – Name indication contained in Facility message	6574
15.3.3	CNAP/Interrogation accepted	6576
15.3.4	CNAP/Interrogation rejected	6577
15.4	Call forwarding	6580
15.4.1	Call forwarding supplementary services, Registration accepted	6580
15.4.2	Call forwarding supplementary services, Registration rejected	6585
15.4.3	Call forwarding supplementary services, Erasure accepted	6589
15.4.4	Call forwarding supplementary services, Erasure rejected	6592
15.4.5	Call forwarding supplementary services, Activation	6595
15.4.6	Call forwarding supplementary services, Deactivation	6598
15.4.7	Call forwarding supplementary services, Interrogation accepted	6601
15.4.8	Call forwarding supplementary services, Interrogation rejected	6604
15.5	Call waiting	6608
15.5.1	Call completion supplementary services, Waiting call indication and confirmation	6608

15.5.2	Call completion supplementary services, Waiting call accepted; existing call released.....	6610
15.5.3	Call completion supplementary services, Waiting call accepted; existing call on hold, no additional calls.....	6611
15.5.4	Call completion supplementary services, Existing call released by user A; waiting call accepted.....	6614
15.5.5	Call completion supplementary services, Waiting call released by subscriber B.....	6615
15.5.6	Call completion supplementary services, Waiting call released by calling user C.....	6617
15.5.7	Call completion supplementary services, Activation.....	6618
15.5.8	Call completion supplementary services, Deactivation.....	6621
15.6	Call Hold supplementary services.....	6625
15.6.1	Call completion supplementary services, Hold invocation.....	6625
15.6.2	Call completion supplementary services, Retrieve procedure.....	6628
15.6.3	Call completion supplementary services, Alternate from one call to the other.....	6631
15.7	Multi-party supplementary services.....	6635
15.7.1	Multi-party supplementary services, Beginning the MultiParty service, successful case.....	6635
15.7.2	Multi-party supplementary services, Beginning the MultiParty service, unsuccessful case.....	6637
15.7.3	Multi-party supplementary services, Beginning the MultiParty service, expiry of timer T(BuildMPTY).....	6641
15.7.4	Multi-party, Managing an active MultiParty call, Put the MultiParty call on hold, successful case.....	6643
15.7.5	Multi-party, Managing an active MultiParty call, Put the MultiParty call on hold, unsuccessful case...	6646
15.7.6	Multi-party, Managing an active MultiParty call, Put the MultiParty call on hold, expiry of timer T(HoldMPTY).....	6649
15.7.7	Multi-party, Managing an active MultiParty call, Create a private communication with one of the remote parties, successful case.....	6652
15.7.8	Multi-party, Managing an active MultiParty call, Create a private communication with one of the remote parties, unsuccessful case.....	6654
15.7.9	Multi-party, Managing an active MultiParty call, Create a private communication with one of the remote parties, expiry of timer T(SplitMPTY).....	6656
15.7.10	Multi-party supplementary services, Terminate the entire MultiParty call.....	6658
15.7.11	Multi-party supplementary services, Explicitly disconnect a remote party.....	6659
15.7.12	Multi-party supplementary services, Release from the MultiParty call.....	6660
15.7.13	Multi-party supplementary services, Retrieve the held MultiParty call, successful case.....	6662
15.7.14	Multi-party supplementary services, Retrieve the held MultiParty call, unsuccessful case.....	6664
15.7.15	Multi-party supplementary services, Retrieve the held MultiParty call, expiry of timer T(RetrieveMPTY).....	6667
15.7.16	Multi-party supplementary services, Initiate a new call.....	6670
15.7.17	Multi-party supplementary services, Process a call waiting request.....	6671
15.7.18	Multi-party supplementary services, Terminate the held MultiParty call.....	6673
15.7.19	Multi-party, Managing a single call and a MultiParty call, Disconnect the single call, single call active.....	6674
15.7.20	Multi-party, Managing a single call and a MultiParty call, Disconnect the single call, single call held.	6677
15.7.21	Clear all parties of held MultiParty call.....	6678
15.7.22	Clear all parties of active MultiParty call.....	6679
15.7.23	Multi-party supplementary services, Disconnect all calls.....	6681
15.7.24	Multi-party supplementary services, Add the single call to the MPTY, successful case.....	6683
15.7.25	Multi-party supplementary services, Add the single call to the MPTY, maximum number of participants exceeded.....	6685
15.7.26	Multi-party supplementary services, Alternate between the MPTY call and the single call.....	6687
15.7.27	Multi-party supplementary services, Adding extra remote parties.....	6690
15.8	Call restriction.....	6693
15.8.1	Registration accepted.....	6693
15.8.2	Rejection after invoke of the operation "register password" with subscription violation.....	6696
15.8.3	Rejection after password check with negative result.....	6698
15.8.4	Activation accepted.....	6701
15.8.5	Rejection after invoke of ActivateSS operation.....	6704
15.8.6	Deactivation accepted.....	6707
15.8.7	Rejection after invoke of DeactivateSS operation.....	6710
15.8.8	Rejection after use of password procedure.....	6713
15.8.9	Normal operation.....	6716
15.9	USSD.....	6717
15.9.1	ProcessUnstructuredSS-request/accepted.....	6717
15.9.2	ProcessUnstructuredSS-request/cross phase compatibility and error handling.....	6724
15.9.3	UnstructuredSS-Notify/accepted.....	6730

15.9.4	UnstructuredSS-Notify/rejected on user busy.....	6733
15.9.5	UnstructuredSS-Request/accepted.....	6736
15.9.6	MMI input for USSD.....	6739
15.10	Explicit Call Transfer (ECT).....	6741
15.10.1	Explicit Call Transfer invocation, successful case, both calls active, clearing using DISCONNECT ...	6741
15.10.2	Explicit Call Transfer invocation, successful case, both calls active, clearing using RELEASE	6744
15.10.3	Explicit Call Transfer invocation, successful case, both calls active, clearing using RELEASE COMPLETE	6746
15.10.4	Explicit Call Transfer invocation, successful case, second call alerting.....	6748
15.10.5	Explicit Call Transfer invocation, expiry of T(ECT).....	6750
16	Short message service (SMS).....	6753
16.1	Short message service point to point on CS mode	6753
16.1.1	SMS mobile terminated	6753
16.1.2	SMS mobile originated	6759
16.1.3	Test of memory full condition and memory available notification:.....	6762
16.1.4	Test of the status report capabilities and of SMS-COMMAND:	6766
16.1.5	Test of message class 0 to 3.....	6768
16.1.5.1	Short message class 0.....	6768
16.1.5.2	Test of class 1 short messages.....	6770
16.1.5.3	Test of class 2 short messages.....	6772
16.1.5.4	Test of class 3 short messages.....	6775
16.1.6	Test of short message type 0 (R99 and REL-4 UE).....	6775
16.1.6a	Test of short message type 0 (\geq REL-5 UE).....	6776
16.1.7	Test of the replace mechanism for SM type 1-7	6779
16.1.8	Test of the reply path scheme	6781
16.1.9	Multiple SMS mobile originated	6784
16.1.9.1	UE in idle mode	6784
16.1.9.2	UE in active mode.....	6787
16.1.10	Test of capabilities of simultaneously receiving a short message whilst sending a mobile originated short message.....	6790
16.2	Short message service point to point on PS mode.....	6791
16.2.1	SMS mobile terminated	6791
16.2.2	SMS mobile originated	6798
16.2.3	Test of memory full condition and memory available notification:.....	6801
16.2.4	Test of the status report capabilities and of SMS-COMMAND:	6805
16.2.5	Test of message class 0 to 3.....	6808
16.2.5.1	Short message class 0.....	6808
16.2.5.2	Test of class 1 short messages.....	6810
16.2.5.3	Test of class 2 short messages.....	6811
16.2.5.4	Test of class 3 short messages.....	6814
16.2.6	Test of short message type 0 (R99 and REL-4 UE).....	6814
16.2.6a	Test of short message type 0 (\geq REL-5 UE).....	6816
16.2.7	Test of the replace mechanism for SM type 1-7	6818
16.2.8	Test of the reply path scheme	6821
16.2.9	Multiple SMS mobile originated	6823
16.2.9.1	UE in idle mode	6823
16.2.9.2	UE in active mode.....	6823
16.2.10	Test of capabilities of simultaneously receiving a short message whilst sending a mobile originated short message.....	6823
16.3	Short message service cell broadcast.....	6825
16.3a	Short message service cell broadcast Discontinuous Reception (DRX)	6827
16.4	Default message contents:	6832
16.4.1	Default message contents for SM-CP protocol.....	6832
16.4.2	Default message contents for SM-RP protocol.....	6833
16.4.3	Default message contents for SM-TP protocol.....	6834
17	Specific features	6835
17.1	Test of autocalling restrictions	6835
17.1.1	General.....	6835
17.1.2	Constraining the access to a single number (TS 22.001 category 3)	6835
17.1.3	Constraining the access to a single number (TS 22.001 categories 1 and 2)	6837

17.1.4	Behaviour of the UE when its list of blacklisted numbers is full.....	6838
17.2	Location Services	6839
17.2.1	Void	6839
17.2.2	Assisted GPS Network Induced Tests	6839
17.2.2.1	LCS Network Induced location request/ UE-Based GPS/ Emergency Call / with USIM.....	6839
17.2.2.2	LCS Network Induced location request/ UE-Based GPS/ Emergency Call / without USIM.....	6839
17.2.2.3	LCS Network induced location request/ UE-Assisted GPS/ Emergency call/ With USIM	6839
17.2.2.4	LCS Network induced location request/ UE-Assisted GPS/ Emergency call/ Without USIM	6839
17.2.3	Assisted GPS Mobile Originated Tests.....	6840
17.2.3.1	Void.....	6840
17.2.3.2	LCS Mobile originated location request/ UE-Based GPS/ Position estimate request/ Success	6840
17.2.3.3	LCS Mobile originated location request/ UE-Based or UE-Assisted GPS/ Assistance data request/ Success	6840
17.2.3.4	LCS Mobile originated location request/ UE-Assisted GPS/ Position Estimate/ Success	6840
17.2.3.5	Void.....	6840
17.2.3.6	LCS Mobile originated location request/ UE-Based GPS/ Transfer to third party/ Success.....	6840
17.2.3.7	LCS Mobile originated location request/ UE-Assisted GPS/ Transfer to third party/ Success	6840
17.2.3.8	LCS Mobile originated location request/ UE-Based or UE-Assisted GPS/ Assistance data request/ Failure.....	6840
17.2.3.9	LCS Mobile originated location request/ UE-Based GPS/ Position estimate request/ Failure.....	6840
17.2.4	Assisted GPS Mobile Terminated Tests	6840
17.2.4.1	LCS Mobile terminated location request/ UE-Based GPS	6840
17.2.4.2	LCS Mobile-terminated location request/UE-Based GPS/ Request for additional assistance data/ Success	6840
17.2.4.3	LCS Mobile-terminated location request/UE-Based GPS/ Failure – Not Enough Satellites	6840
17.2.4.4	LCS Mobile terminated location request/ UE-Assisted GPS/ Success	6840
17.2.4.5	LCS Mobile terminated location request/ UE-Assisted GPS/ Request for additional assistance data/ Success	6841
17.2.4.6	LCS Mobile terminated location request/ UE-Based GPS/ Privacy Verification/ Location Allowed if No Response	6841
17.2.4.7	LCS Mobile terminated location request/ UE-Based GPS/ Privacy Verification/ Location Not Allowed if No Response	6841
17.2.4.8	LCS Mobile terminated location request/ UE-Assisted GPS/ Privacy Verification/ Location Allowed if No Response	6841
17.2.4.9	LCS Mobile terminated location request/ UE-Assisted GPS/ Privacy Verification/ Location Not Allowed if No Response	6841
17.2.4.10	LCS Mobile terminated location request/ UE-Based or UE-Assisted GPS/ Configuration Incomplete.....	6841
17.2.5	Void	6841
17.2.6	Void	6841
17.2.7	Void	6841
17.3	Mobility between 3GPP WLAN Interworking and 3GPP Systems.....	6841
17.3.1	Discovery of the Home Agent via DNS.....	6841
17.3.2	Discovery of the Home Agent address and Home Network Prefix during PDP context activation procedure	6843
17.3.3	Void	6846
17.3.4	Security association establishment	6846
17.3.5	Registration of a new IPv6 CoA (Binding Update/Acknowledgment procedure in IPv6 network)	6857
17.3.6	Registration of a new IPv4 CoA (Binding Update/Acknowledgment procedure in IPv4 network)	6861
17.3.7	Re-registration of IPv6 CoA	6864
17.3.8	Re-registration of Ipv4 CoA	6866
17.3.9	Return to home link	6867
17.3.10	Security association establishment	6869
17.3.11	Termination of protection of DSMIPv6 tunnel traffic by Home Agent.....	6874
17.3.12	Dual-Stack Mobile IPv6 detach in IPv6 network	6877
17.3.13	Dual-Stack Mobile IPv6 detach in IPv4 network	6879
18	Multi-Layer Functional Tests.....	6882
18.1	Radio Bearer Tests for 1.28 Mcps TDD option.....	6882
18.1.1	General information for radio bearer tests (1.28 Mcps TDD).....	6882
18.1.1.1	Generic radio bearer test procedure for Single RB configuration	6882
18.1.1.2	Generic test procedure for testing multi-RB configuration and simultaneous signalling.....	6882

18.1.1.3	Generic test procedure radio bearers on MTCH.....	6882
18.1.1.4	General information interoperability radio bearer tests for E-DCH and HS-DSCH combinations...	6882
18.1.1.5	Generic test procedure for radio bearers on MBSFN MTCH	6882
18.1.1.6	Generic test procedure for HS-DSCH radio bearer combinations with non-enhanced Layer 2	6882
18.1.1.6a	General information interoperability radio bearer tests for HS-DSCH	6883
18.1.1.6a.1	HS-DSCH radio bearer test parameters	6883
18.1.1.6a.2	Selecting TFRC test points	6884
18.1.1.6a.2.1	Principle for non-enhanced Layer 2	6884
18.1.1.6a.2.1a	Principle for enhanced Layer 2.....	6885
18.1.1.6a.3	TFRC test points for MAC-d PDU size=336	6885
18.1.1.6a.4	TFRC test points for MAC-d PDU size=656	6890
18.1.1.6a.5	TFRC test points for MAC-ehs with fixed MAC-d PDU size=336.....	6893
18.1.1.6a.6	TFRC test points for MAC-ehs with fixed MAC-d PDU size=656.....	6906
18.1.1.7	Generic test procedure for HS-DSCH radio bearer combinations with enhanced Layer 2	6914
18.1.1.8	Generic test procedure for HS-DSCH and E-DCH radio bearer combinations with downlink and uplink enhanced Layer 2	6914
18.1.1.9	Generic test procedure for HS-DSCH and E-DCH radio bearer combinations for enhanced uplink in CELL_FACH.....	6914
18.1.2	Combinations on DPCH	6914
18.1.2.1	Stand-alone UL:1.7 DL:1.7 kbps SRBs for DCCH.....	6914
18.1.2.2	Stand-alone UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6914
18.1.2.3	Stand-alone UL:13.6 DL:13.6 kbps SRBs for DCCH.....	6914
18.1.2.4	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6915
18.1.2.4a	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH(TDD).....	6916
18.1.2.5	Conversational / speech / UL:10.2 DL:10.2 kbps / CS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH	6918
18.1.2.6	Conversational / speech / UL:7.95 DL:7.95 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6920
18.1.2.7	Conversational / speech / UL:7.4 DL:7.4 kbps / CS RAB+ UL:3.4 DL:3.4 kbps SRBs for DCCH .	6921
18.1.2.8	Conversational / speech / UL:6.7 DL:6.7 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6923
18.1.2.9	Conversational / speech / UL:5.9 DL:5.9 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6924
18.1.2.10	Conversational / speech / UL:5.15 DL:5.15 kbps / CS RAB + UL:1.7 DL:1.7 kbps SRBs for DCCH	6926
18.1.2.11	Conversational / speech / UL:4.75 DL:4.75 kbps / CS RAB + UL:1.7 DL:1.7 kbps SRBs for DCCH	6927
18.1.2.12	Conversational / unknown / UL:28.8 DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6929
18.1.2.13	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6930
18.1.2.13.1	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 20 ms TTI.....	6930
18.1.2.13.1a	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 20 ms TTI(TDD).....	6932
18.1.2.13.2	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 40 ms TTI.....	6933
18.1.2.14	Conversational / unknown / UL:32 DL:32 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6935
18.1.2.14.1	Conversational / unknown / UL:32 DL:32 kbps / CS RAB / 20 ms TTI.....	6935
18.1.2.14.2	Conversational / unknown / UL:32 DL:32 kbps / CS RAB / 40 ms TTI.....	6936
18.1.2.15	Streaming / unknown / UL:14.4/DL:14.4 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6938
18.1.2.16	Streaming / unknown / UL:28.8/DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6939
18.1.2.17	Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6941
18.1.2.18	Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6944
18.1.2.19	Streaming / unknown / UL:64 DL:0 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	6945
18.1.2.20	Void.....	6948
18.1.2.21	Void.....	6948
18.1.2.22	Void.....	6948
18.1.2.23	Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH .	6948
18.1.2.23.1	Interactive or background / UL:32 DL:8 kbps / PS RAB / (TC,10 ms TTI)	6948
18.1.2.23.2	Interactive or background / UL:32 DL:8 kbps / PS RAB / (TC, 20 ms TTI)	6949

18.1.2.23.3	Interactive or background / UL:32 DL:8 kbps / PS RAB / (CC, 10 ms TTI)	6950
18.1.2.23.4	Interactive or background / UL:32 DL:8 kbps / PS RAB / (CC, 20 ms TTI)	6950
18.1.2.24	Interactive or background / UL:64 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH .	6950
18.1.2.24.1	Interactive or background / UL:64 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / TC	6950
18.1.2.24.2	Interactive or background / UL:64 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / CC	6952
18.1.2.25	Interactive or background / UL:32 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6952
18.1.2.25.1	Interactive or background / UL:32 DL: 64 kbps / PS RAB / (TC, 10 ms TTI)	6952
18.1.2.25.2	Interactive or background / UL:32 DL: 64 kbps / PS RAB / (TC, 20 ms TTI)	6954
18.1.2.25.3	Interactive or background / UL:32 DL:64 kbps / PS RAB / (CC, 10 ms TTI)	6956
18.1.2.25.4	Interactive or background / UL:32 DL:64 kbps / PS RAB / (CC, 20 ms TTI)	6956
18.1.2.26	Interactive or background / UL:64 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6956
18.1.2.27	Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6958
18.1.2.28	Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6960
18.1.2.29	Interactive or background / UL:64 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH	6962
18.1.2.30	Interactive or background / UL:144 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH	6964
18.1.2.31	Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH	6966
18.1.2.31.1	Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH/ 10 ms TTI.....	6966
18.1.2.31.2	Interactive or background / UL:64 DL:256 kbps / PS RAB / 20 ms TTI.....	6968
18.1.2.32	Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH	6970
18.1.2.32.1	Interactive or background / UL:64 DL:384 kbps / PS RAB / 10 ms TTI.....	6970
18.1.2.32.2	Interactive or background / UL:64 DL:384 kbps / PS RAB / 20 ms TTI.....	6972
18.1.2.33	Interactive or background / UL:128 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH	6975
18.1.2.33.1	Interactive or background / UL:128 DL:384 kbps / PS RAB / 10 ms TTI.....	6975
18.1.2.33.2	Interactive or background / UL:128 DL:384 kbps / PS RAB / 20 ms TTI.....	6977
18.1.2.34	Interactive or background / UL:384 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6979
18.1.2.34.1	Interactive or background / UL:384 DL:384 kbps / PS RAB / 10 ms TTI.....	6979
18.1.2.34.2	Interactive or background / UL:384 DL:384 kbps / PS RAB / 20 ms TTI.....	6981
18.1.2.35	Interactive or background / UL:64 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6984
18.1.2.35.1	Interactive or background / UL:64 DL:2048 kbps / PS RAB / 10 ms TTI.....	6984
18.1.2.35.2	Interactive or background / UL:64 DL:2048 kbps / PS RAB / 20 ms TTI.....	6987
18.1.2.36	Interactive or background / UL:128 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6990
18.1.2.36.1	Interactive or background / UL:128 DL:2048 kbps / PS RAB / 10 ms TTI.....	6990
18.1.2.36.2	Interactive or background / UL:128 DL:2048 kbps / PS RAB / 20 ms TTI.....	6993
18.1.2.37	Interactive or background / UL:384 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	6996
18.1.2.37.1	Interactive or background / UL:384 DL:2048 kbps / PS RAB / 10 ms TTI.....	6996
18.1.2.37.2	Interactive or background / UL:384 DL:2048 kbps / PS RAB / 20 ms TTI.....	6999
18.1.2.38	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7003
18.1.2.38.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:8 kbps / PS RAB / (TC, 20 ms TTI)	7003
18.1.2.38.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:8 kbps / PS RAB / (TC, 10 ms TTI)	7006
18.1.2.38.3	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:8 kbps / PS RAB / (CC, 20 ms TTI)	7008
18.1.2.38.4	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:8 kbps / PS RAB / (CC, 10 ms TTI)	7008

18.1.2.39	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:64 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH.....	7008
18.1.2.39.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:64 kbps / PS RAB / (TC, 10 ms TTI)	7008
18.1.2.39.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:64 kbps / PS RAB / (TC, 20 ms TTI)	7013
18.1.2.39.3	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:64 kbps / PS RAB / (CC, 10 ms TTI)	7018
18.1.2.39.4	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:64 kbps / PS RAB / (CC, 20 ms TTI)	7018
18.1.2.40	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:64 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH.....	7018
18.1.2.41	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7023
18.1.2.42	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7027
18.1.2.42.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:256 kbps / PS RAB / 10 ms TTI	7027
18.1.2.42.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:256 kbps / PS RAB / 20 ms TTI	7032
18.1.2.43	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7038
18.1.2.43.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:384 kbps / PS RAB / 10 ms TTI	7038
18.1.2.43.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:384 kbps / PS RAB / 20 ms TTI	7044
18.1.2.44	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:128 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7051
18.1.2.44.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:128 DL:2048 kbps / PS RAB / 10 ms TTI	7051
18.1.2.44.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:128 DL:2048 kbps / PS RAB / 20 ms TTI	7059
18.1.2.45	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / unknown / UL:57.6 DL:57.6 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7072
18.1.2.46	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7077
18.1.2.47	Void.....	7081
18.1.2.48	Void.....	7081
18.1.2.49	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7081
18.1.2.49.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 20 ms TTI.....	7081
18.1.2.49.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 40 ms TTI.....	7084
18.1.2.50	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7086
18.1.2.50.1	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20 ms TTI.....	7086
18.1.2.50.2	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 40 ms TTI.....	7088
18.1.2.51	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or background / UL:64 DL:64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7091
18.1.2.51.1	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 20 ms TTI + Interactive or background / UL:64 DL:64 kbps / PS RAB	7091
18.1.2.51.2	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 40 ms TTI + Interactive or background / UL:64 DL:64 kbps / PS RAB	7094
18.1.2.52	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7097
18.1.2.52.1	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 20 ms TTI + Interactive or background / UL:64 DL:128 kbps / PS RAB	7097
18.1.2.52.2	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 40 ms TTI + Interactive or background / UL:64 DL:128 kbps / PS RAB	7101

18.1.2.53	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7105
18.1.2.53.1	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 20 ms TTI + Interactive or background / UL:128 DL:128 kbps / PS RAB	7105
18.1.2.53.2	Conversational / unknown / UL:64 DL:64 kbps / CS RAB / 40 ms TTI + Interactive or background / UL:128 DL:128 kbps / PS RAB	7108
18.1.2.54	Interactive or background / UL:64 DL:128 kbps / PS RAB + Streaming / unknown / UL:0 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7112
18.1.2.55	Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH ...	7118
18.1.2.56	Interactive or background / UL:16 DL: 16 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7119
18.1.2.57	Interactive or background / UL:32 DL: 32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7120
18.1.2.58	Interactive or background / UL:256 DL:64 kbps / PS RAB / 20 ms TTI+ UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7122
18.1.2.59	Streaming / unknown / UL:16 DL:32 kbps / PS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7124
18.1.2.60	Streaming / unknown / UL:16 DL:64 kbps / PS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7126
18.1.2.61	Streaming / unknown / UL:16 DL:128 kbps / PS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7129
18.1.2.62	Streaming / unknown / UL:32 DL:256 kbps / PS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7132
18.1.2.63	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:0 DL:0 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH.....	7136
18.1.2.64	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH.....	7137
18.1.2.65	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:32 kbps / PS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH.....	7140
18.1.2.66	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7144
18.1.2.67	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:64 kbps / PS RAB + Interactive or background / UL:64 DL:64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7149
18.1.2.68	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7154
18.1.2.69	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / unknown / UL:16 DL:64 kbps / PS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7156
18.1.2.70	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / unknown / UL:16 DL:128 kbps / PS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7163
18.1.2.71	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / unknown / UL:128 DL:64 kbps / PS RAB + Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7172
18.1.2.72	Interactive or background / UL:64 DL:64 kbps / PS RAB + Interactive or background / UL:64 DL:64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7179
18.1.2.73	Interactive or background / UL:64 DL:64 kbps / PS RAB + Interactive or background / UL:64 DL:64 kbps / PS RAB + Interactive or background / UL:64 DL:64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7184
18.1.3	Combinations on SCCPCH.....	7186
18.1.3.1	Stand-alone signalling RB for PCCH.....	7186
18.1.3.2	Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH	7187
18.1.3.2.1	One SCCPCH: Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH.....	7187
18.1.3.2.2	Two SCCPCHs: Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH.....	7188
18.1.3.2.3	One SCCPCH/connected mode: Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH	7190
18.1.3.3	Interactive/Background UL:12.8 DL:32 kbps RAB + SRBs for PCCH + SRB for CCCH + SRB for DCCH + SRB for BCCH.....	7191
18.1.3.4	64.8kbps RB for MTCH with 40 ms TTI.....	7192

18.1.3.5	129.6 kbps RB for MTCH with 40 ms TTI.....	7194
18.1.3.6	259.2 kbps RB for MTCH with 40 ms TTI.....	7195
18.1.3.7	128kbps RB for MBSFN MTCH with 40 ms TTI	7197
18.1.3.8	192kbps RB for MBSFN MTCH with 40 ms TTI	7198
18.1.3.9	384kbps RB for MBSFN MTCH with 40 ms TTI	7198
18.1.4	Combinations on PRACH.....	7199
18.1.4.1	Interactive/Background 32 kbps PS RAB + SRB for CCCH + SRB for DCCH	7199
18.1.5	Combinations on DPCH and HS-PDSCH	7199
18.1.5.1	Interactive or background / UL:8 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH (REL-5)	7199
18.1.5.1a	Interactive or background / UL:8 (multiframe) DL: [max bit rate depending on UE category] / PS RAB+ UL:3.4 DL:3.4 kbps SRBs for DCCH (multiframe) (REL-5).....	7204
18.1.5.1b	Interactive or background / UL:8 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH (64QAM).....	7207
18.1.5.2	Interactive or background / UL:16 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH (REL-5)	7214
18.1.5.2a	Interactive or background / UL:16(multiframe) DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH(multiframe) (REL-5)	7216
18.1.5.3	Interactive or background / UL:32 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH (REL-5)	7218
18.1.5.3a	Interactive or background / UL:32(multiframe) DL: [max bit rate depending on UE category] / PS RAB +UL:3.4 DL:3.4 kbps SRBs for DCCH(multiframe) (REL-5)	7220
18.1.5.4	Interactive or background / UL:64 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH (REL-5)	7222
18.1.5.5	Interactive or background / UL:128 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH (REL-5)	7225
18.1.5.6	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:32 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH (REL-5)	7228
18.1.5.7	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH (REL-5)	7232
18.1.5.8	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or background / UL:64 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH....	7236
18.1.5.9	Interactive or background / UL:64 DL: [max bit rate depending on UE category] / PS RAB + Interactive or background / UL:64 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH (REL-5)	7240
18.1.5.10	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:384 DL:[max bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH (REL-5)	7242
18.1.5.11	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:64 DL: [max bit rate depending on UE category] / PS RAB + Interactive or background / UL:64 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH (REL-5)	7246
18.1.5.12	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / UL:64 DL: [max bit rate depending on UE category] / PS RAB + Interactive or background / UL:8 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH (REL-5).....	7249
18.1.5.13	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / UL:16 DL: [max bit rate depending on UE category] / PS RAB + Interactive or background / UL:8 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH (REL-5).....	7255
18.1.5.14	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / UL:32 DL: [max bit rate depending on UE category] / PS RAB + Interactive or background / UL:8 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH (REL-5).....	7258
18.1.5.15	Streaming / UL:64 DL: [max bit rate depending on UE category] / PS RAB + Interactive or background / UL:8 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH (REL-5).....	7262
18.1.5.16	Streaming / UL:32 DL: [max bit rate depending on UE category] / PS RAB + Interactive or background / UL:8 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH (REL-5).....	7265
18.1.5.17	Streaming / UL:16 DL: [max bit rate depending on UE category] / PS RAB + Interactive or background / UL:8 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH (REL-5).....	7268

18.1.6	Combinations on DPCH, HS-PDSCH and E-DPDCH.....	7271
18.1.6.1	Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH on DCH	7271
18.1.6.1a	Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH on DCH/ UL 16QAM	7273
18.1.6.1b	Interactive or background / UL:64 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH (MIMO)	7274
18.1.6.1c	Interactive or background / UL:64 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH (64QAM+MIMO).....	7277
18.1.6.2	Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:[max bit rate depending on UE category and TTI] DL:3.4 kbps SRBs for DCCH on E-DCH and DL DCH.....	7279
18.1.6.3	Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH.....	7279
18.1.6.3a	Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] with Flexible RLC, MAC-ehs and MAC-i/is / PS RAB + UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH with MAC-ehs and MAC-i/is	7279
18.1.6.4	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7282
18.1.6.5	Streaming or interactive or background / UL:[max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] kbps / PS RAB + Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:[max bit rate depending on UE category and TTI] DL:3.4 kbps SRBs for DCCH on E-DCH and DL DCH	7285
18.1.6.6	Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: 384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7286
18.1.6.7	Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: 128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7289
18.1.6.8	Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7291
18.1.6.9	Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: 32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7293
18.1.6.10	Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: 64 kbps / PS RAB + Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7295
18.1.6.11	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: 384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7297
18.1.6.12	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7301
18.1.6.13	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: 64 kbps / PS RAB + Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7304
18.1.6.14	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / UL: [max bit rate depending on UE category and TTI] DL: 64 kbps / PS RAB + Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: 8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7308
18.1.6.15	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / UL: [max bit rate depending on UE category and TTI] DL: 32 kbps / PS RAB + Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: 8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7314

18.1.6.16	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming / UL: [max bit rate depending on UE category and TTI] DL: 16 kbps / PS RAB + Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: 8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7317
18.1.6.17	Streaming / UL: [max bit rate depending on UE category and TTI] DL: 64 kbps / PS RAB + Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: 8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7320
18.1.6.18	Streaming / UL: [max bit rate depending on UE category and TTI] DL: 32 kbps / PS RAB + Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: 8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7322
18.1.6.19	Streaming / UL: [max bit rate depending on UE category and TTI] DL: 16 kbps / PS RAB + Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: 8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7323
18.1.6.20	Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH for enhanced uplink/downlink in CELL_FACH	7324
18.1.6.20a	Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] SRBs for DCCH on common E-DCH and HS-DSCH for enhanced CELL_FACH with DRX configured.....	7326
18.1.6.21	Conversational / unknown or speech / UL:[max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] kbps with Flexible RLC and MAC-ehs / PS RAB + Streaming or Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] with Fixed RLC and MAC-ehs / PS RAB + UL:[max bit rate depending on UE category and TTI] DL: :[max bit rate depending on UE category] SRBs for DCCH on E-DCH and SRBs with Fixed RLC and MAC-ehs on HS-DSCH / UL: QPSK and DL: QPSK.....	7328
18.1.6.22	Conversational / unknown or speech / UL:[max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] kbps with Flexible RLC, MAC-ehs and MAC-i/is / PS RAB + Streaming or Interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] with Fixed RLC, MAC-ehs and MAC-i/is / PS RAB + UL:[max bit rate depending on UE category and TTI] DL: :[max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH with MAC-ehs and MAC-i/is / UL: QPSK and DL: QPSK	7330
18.2	Radio Bearer Tests for 3.84 Mcps TDD option.....	7334
18.2.1	General information for radio bearer tests (3.84 Mcps TDD).....	7334
18.2.1.1	Generic radio bearer test procedure for Single RB configuration	7334
18.2.1.2	Generic test procedure for testing multi-RB configuration and simultaneous signalling.....	7334
18.2.1.2a	Generic test procedure for testing multi-RB combinations and simultaneous signalling in case of DSCH.....	7334
18.2.1.3	Generic test procedure for testing Single Speech Radio Bearers on USCH/DSCH channels and multiple radio configuration signalling on RACH/FACH	7341
18.2.1.4	General information interoperability radio bearer tests for HS-DSCH	7345
18.2.1.4.1	HS-DSCH radio bearer test parameters	7345
18.2.1.4.2	Selecting TFRC test points	7345
18.2.1.4.3	TFRC test points for MAC-d PDU size=336	7347
18.2.1.4.4	TFRC test points for MAC-d PDU size=656	7387
18.2.1.5	Generic test procedure for radio bearers on MTCH.....	7409
18.2.1.6	Generic test procedure for radio bearers on MBSFN MTCH	7409
18.2.1.7	General information for interoperability radio bearer tests for E-DCH and HS-DSCH combinations	7411
18.2.1.7.1	Generic test procedure for HS-DSCH and E-DCH radio bearer combinations	7411
18.2.2	Combinations on DPCH	7414
18.2.2.1	Stand-alone UL:1.7 DL:1.7 kbps SRBs for DCCH.....	7414
18.2.2.1a	Stand-alone UL:1.7 DL:1.7 kbps SRBs for DCCH (multiframe)	7414
18.2.2.2	Stand-alone UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7414
18.2.2.3	Stand-alone UL:13.6 DL:13.6 kbps SRBs for DCCH.....	7415
18.2.2.4	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7415
18.2.2.4a	Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7416

18.2.2.5	Conversational / speech / UL:10.2 DL:10.2 kbps / CS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH	7419
18.2.2.5a	Conversational / speech / UL:(10.2, 6.7, 5.9, 4.75) DL:(10.2, 6.7, 5.9, 4.75) kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7420
18.2.2.6	Conversational / speech / UL:7.95 DL:7.95 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7423
18.2.2.7	Conversational / speech / UL:7.4 DL:7.4 kbps / CS RAB+ UL:3.4 DL:3.4 kbps SRBs for DCCH ..	7424
18.2.2.7a	Conversational / speech / UL:(7.4, 6.7, 5.9, 4.75) DL:(7.4, 6.7, 5.9, 4.75) kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7426
18.2.2.8	Conversational / speech / UL:6.7 DL:6.7 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH ..	7428
18.2.2.9	Conversational / speech / UL:5.9 DL:5.9 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH ..	7429
18.2.2.10	Conversational / speech / UL:5.15 DL:5.15 kbps / CS RAB + UL:1.7 DL:1.7 kbps SRBs for DCCH	7431
18.2.2.11	Conversational / speech / UL:4.75 DL:4.75 kbps / CS RAB + UL:1.7 DL:1.7 kbps SRBs for DCCH	7432
18.2.2.12	Conversational / unknown / UL:28.8 DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7434
18.2.2.13	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7435
18.2.2.14	Conversational / unknown / UL:32 DL:32 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7437
18.2.2.15	Streaming / unknown / UL:14.4/DL:14.4 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7438
18.2.2.16	Streaming / unknown / UL:28.8/DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7439
18.2.2.17	Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7440
18.2.2.18	Void.....	7443
18.2.2.19	Void.....	7443
18.2.2.20	Void.....	7443
18.2.2.21	Void.....	7443
18.2.2.22	Void.....	7443
18.2.2.23	Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH ..	7443
18.2.2.23.1	Interactive or background / UL:32 DL:8 kbps / PS RAB / (Payload size 320)	7443
18.2.2.23.2	Interactive or background / UL:32 DL:8 kbps / PS RAB / Payload size 128.....	7444
18.2.2.23a	Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH. ..	7446
18.2.2.23a.1	Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 40 ms TTI.....	7446
18.2.2.23a.2	Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 80 ms TTI.....	7447
18.2.2.23b	Interactive or background / UL:16 DL:16 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.	7447
18.2.2.23b.1	Interactive or background / UL:16 DL:16 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / Payload size 320.....	7447
18.2.2.23b.2	Interactive or background / UL:16 DL:16 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / Payload size 128.....	7449
18.2.2.23c	Interactive or background / UL:32 DL:32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.	7450
18.2.2.23c.1	Interactive or background / UL:32 DL:32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / Payload size 320.....	7450
18.2.2.23c.2	Interactive or background / UL:32 DL:32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / Payload size 128.....	7452
18.2.2.23d	Interactive or background / UL:32 DL:32 kbps / PS RAB (20 ms TTI) + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7455
18.2.2.23d.1	Interactive or background / UL:32 DL:32 kbps / PS RAB (20 ms TTI) + UL:3.4 DL:3.4 kbps SRBs for DCCH / Payload size 320.....	7455
18.2.2.23d.2	Interactive or background / UL:32 DL:32 kbps / PS RAB (20 ms TTI) + UL:3.4 DL:3.4 kbps SRBs for DCCH / Payload size 128.....	7456
18.2.2.24	Void.....	7458
18.2.2.25	Interactive or background / UL:32 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7458
18.2.2.25.1	Interactive or background / UL:32 DL: 64 kbps / PS RAB / Payload size 320.....	7458

18.2.2.25.2	Interactive or background / UL:32 DL: 64 kbps / PS RAB / Payload 128	7459
18.2.2.26	Interactive or background / UL:64 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7461
18.2.2.26.1	Interactive or background / UL:64 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / Payload 320, Physical Configuration 1	7461
18.2.2.26.2	Interactive or background / UL:64 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / Payload 128, Physical Configuration 2	7464
18.2.2.27	Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7466
18.2.2.27.1	Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / Payload 320, Physical Configuration 1	7466
18.2.2.27.2	Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / Payload 128, Physical Configuration 2	7468
18.2.2.28	Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7471
18.2.2.28.1	Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / Payload 320, Physical Configuration 1	7471
18.2.2.28.2	Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / Payload 128, Physical Configuration 2	7473
18.2.2.29	Interactive or background / UL:64 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH	7475
18.2.2.29.1	Interactive or background / UL:64 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH / Payload 320	7475
18.2.2.29.2	Interactive or background / UL:64 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH / Payload 128, Physical Configuration 2	7478
18.2.2.30	Interactive or background / UL:144 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH	7480
18.2.2.30.1	Interactive or background / UL:144 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH / Payload 320, TTI 20 ms	7480
18.2.2.30.2	Interactive or background / UL:144 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH / Payload 128, TTI 40 ms	7482
18.2.2.31	Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH	7485
18.2.2.31.1	Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH/ Payload 320, 10 ms TTI Down Link, Physical Configuration 1	7485
18.2.2.31.2	Interactive or background / UL:64 DL:256 kbps / PS RAB / Payload 128, 20 ms TTI Down Link, Physical Configuration 2.....	7487
18.2.2.32	Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH	7490
18.2.2.32.1	Interactive or background / UL:64 DL:384 kbps / PS RAB / Payload 320, 10 ms TTI Down Link, Physical Configuration 1.....	7490
18.2.2.32.2	Interactive or background / UL:64 DL:384 kbps / PS RAB / Payload 128, 20 ms TTI Down Link, Physical Configuration 2.....	7492
18.2.2.33	Interactive or background / UL:128 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH	7496
18.2.2.33.1	Interactive or background / UL:128 DL:384 kbps / PS RAB / Payload 320, 10 ms TTI Down Link, Physical Configuration 1.....	7496
18.2.2.33.2	Interactive or background / UL:128 DL:384 kbps / PS RAB / Payload 128, 20 ms TTI Down Link, Physical Configuration 2.....	7498
18.2.2.34	Interactive or background / UL:384 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7502
18.2.2.34.1	Interactive or background / UL:384 DL:384 kbps / PS RAB / 10 ms TTI, Physical Configuration 1.....	7502
18.2.2.34.2	Interactive or background / UL:384 DL:384 kbps / PS RAB / 20 ms TTI, Physical Configuration 2.....	7504
18.2.2.35	Interactive or background / UL:64 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7508
18.2.2.35.1	Interactive or background / UL:64 DL:2048 kbps / PS RAB / Payload 320, 10 ms TTI Down Link, Physical Configuration 1.....	7508
18.2.2.35.2	Interactive or background / UL:64 DL:2048 kbps / PS RAB / Payload 128, 20 ms TTI Down Link, Physical Configuration 2.....	7511
18.2.2.36	Void.....	7515

18.2.2.37	Void.....	7515
18.2.3	Combinations on PDSCH, SCCPCH, PUSCH and PRACH.....	7516
18.2.3.1	Interactive or background / UL: 64 DL: 256 kbps / PS RAB + UL: 3.4/16.8 DL: 3.4/33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH.....	7516
18.2.3.1.1	Interactive or background / UL: 64(payload 320) DL: 256 kbps (10 ms TTI) / PS RAB + UL: 3.4/16.8 DL: 3.4/33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH.....	7516
18.2.3.1.2	Interactive or background / UL: 64(145 bit TBS – 20 ms TTI) DL: 256 kbps (337 bit TBS – 10 ms TTI) / PS RAB + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH.....	7520
18.2.3.1.3	Interactive or background / UL: 64(337 bit TBS – 20 ms TTI) DL: 256 kbps (337 bit TBS – 20 ms TTI) / PS RAB + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH.....	7523
18.2.3.1.4	Interactive or background / UL: 64(145 bit TBS – 20 ms TTI) DL: 256 kbps (337 bit TBS – 20 ms TTI) / PS RAB + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH 64 kbps + UL: 16.8 DL: 16 kbps SRBs for SHCCH.....	7527
18.2.3.2	Interactive or background / UL: 64 DL: 384 kbps / PS RAB + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH.....	7530
18.2.3.2.1	Interactive or background / UL: 64(337 bit TBS – 20 ms TTI) DL: 384 kbps (337 bit TBS – 10 ms TTI) / PS RAB + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH.....	7530
18.2.3.2.2	Interactive or background / UL: 64(145 bit TBS – 20 ms TTI) DL: 384 kbps / PS RAB/10 ms TTI/145 bits TBS (337 bit TBS – 10 ms TTI) + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH.....	7533
18.2.3.2.3	Interactive or background / UL: 64 (337 bit TBS – 20 ms TTI) DL: 384 kbps (337 bit TBS – 20 ms TTI) / PS RAB + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH.....	7536
18.2.3.2.4	Interactive or background / UL: 64 (145 bit TBS – 20 ms TTI) DL: 384 kbps (337 bit TBS – 20 ms TTI) / PS RAB+ UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH.....	7540
18.2.3.3	Interactive or background / UL: 64 DL: 2048 kbps/ PS RAB + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH.....	7543
18.2.3.3.1	Interactive or background / UL: 64 (337 bit TBS – 20 ms TTI) DL: 2048 kbps (657 bit TBS – 10 ms TTI) / PS RAB + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH.....	7543
18.2.3.3.2	Interactive or background / UL: 64(145 bit TBS – 20 ms TTI) DL: 2048 kbps (657 bit TBS – 10 ms TTI) / PS RAB + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH.....	7548
18.2.3.3.3	Interactive or background / UL: 64 (337 bit TBS – 20 ms TTI) DL: 2048 kbps (657 bit TBS – 20 ms TTI) / PS RAB+ UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH.....	7552
18.2.3.3.4	Interactive or background / UL: 64(145 bit TBS – 20 ms TTI) DL: 2048 kbps (657 bit TBS – 20 ms TTI) / PS RAB + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH.....	7559
18.2.3.4	Interactive or background / UL: 384 DL: 2048 kbps / PS RAB + UL: 3.4 DL: 16.8 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH.....	7564
18.2.3.4.1	Interactive or background / UL: 384 DL (337 bit TBS – 20 ms TTI): 2048 kbps (657 bit TBS – 10 ms TTI) / PS RAB+ UL: 3.4 DL: 16.8 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH.....	7564
18.2.3.4.2	Interactive or background / UL: 384(145 bit TBS – 20 ms TTI) DL: 2048 kbps (657 bit TBS – 10 ms TTI) / PS RAB + UL: 3.4 DL: 16.8 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH.....	7568
18.2.3.4.3	Interactive or background / UL: 384 (337 bit TBS – 20 ms TTI) DL: 2048 kbps (657 bit TBS – 20 ms TTI) / PS RAB + UL: 3.4 DL: 16.8 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH.....	7572
18.2.3.4.4	Interactive or background / UL: 384(145 bit TBS – 20 ms TTI) DL: 2048 kbps (657 bit TBS – 20 ms TTI) / PS RAB + UL: 3.4 DL: 16.8 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH.....	7577
18.2.4	Combinations on PDSCH, SCCPCH, DPCH, PUSCH and PRACH.....	7582
18.2.4.1	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64 DL: 256 kbps / PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH.....	7582

18.2.4.1.1	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64 kbps (320 bit payload – 20 ms TTI) DL: 256 kbps (320 bit payload – 10 ms TTI) / PS RAB/ + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH	7582
18.2.4.1.2	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64(128 bit payload - 20 ms TTI) DL: 256 kbps (320 bit payload – 10 ms TTI) / PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH.....	7587
18.2.4.1.3	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64(320 bit payload – 20 ms TTI) DL: 256 kbps (320 bit payload – 20 ms TTI) / PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH.....	7591
18.2.4.1.4	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64(128 bit payload - 20 ms TTI) DL: 256 kbps (320 bit payload – 20 ms TTI)/ PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH.....	7597
18.2.4.2	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64 DL: 384 kbps / PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH+ DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH	7602
18.2.4.2.1	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64 (320 bit payload – 20 ms TTI) DL: 384 kbps (320 bit payload – 10 ms TTI) / PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH.....	7602
18.2.4.2.2	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64 (128 bit payload - 20 ms TTI) DL: 384 kbps (320 bit payload – 10 ms TTI) / PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH.....	7606
18.2.4.2.3	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64(320 bit payload – 20 ms TTI) DL: 384 kbps (320 bit payload – 20 ms TTI) / PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH.....	7611
18.2.4.2.4	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64(128 bit payload - 20 ms TTI) DL: 384 kbps (320 bit payload – 20 ms TTI)/ PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH.....	7616
18.2.4.3	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64 DL: 2048 kbps / PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH.....	7621
18.2.4.3.1	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64(320 bit payload – 20 ms TTI) DL: 2048 kbps (640 bit payload - 10 ms TTI) / PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH.....	7621
18.2.4.3.2	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64 (128 bit payload - 20 ms TTI) DL: 2048 kbps (640 bit payload - 10 ms TTI) / PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH.....	7628
18.2.4.3.3	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64(320 bit payload – 20 ms TTI) DL: 2048 kbps (640 bit payload - 20 ms TTI) / PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH.....	7634
18.2.4.3.4	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64(128 bit payload - 20 ms TTI) DL: 2048 kbps (640 bit payload - 20 ms TTI) / PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH.....	7643
18.2.5	Combinations on SCCPCH.....	7651
18.2.5.1	Stand-alone signalling RB for PCCH.....	7651
18.2.5.1.1	Stand-alone signalling RB for PCCH at 12 kbps.....	7651
18.2.5.1.2	Stand-alone signalling RB for PCCH at 8 kbps.....	7652
18.2.5.2	Interactive/Background PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH	7652
18.2.5.2.1	One SCCPCH: Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH.....	7653

18.2.5.2.2	Two SCCPCHs: Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH.....	7654
18.2.5.2.3	One SCCPCH/connected mode: Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH	7656
18.2.5.2a	Interactive/Background 32 kbps PS RAB + Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH	7657
18.2.5.2a.1	One SCCPCH: Interactive/Background 32 kbps PS RAB + Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH	7661
18.2.5.2a.2	Two SCCPCHs: Interactive/Background 32 kbps PS RAB + Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH	7662
18.2.5.2a.3	One SCCPCH/connected mode: Interactive/Background 32 kbps PS RAB + Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH	7664
18.2.5.2b	SRBs for CCCH + SRB for DCCH + SRB for BCCH.....	7666
18.2.5.3	Interactive/Background RAB + SRBs for PCCH + SRB for CCCH + SRB for DCCH + SRB for BCCH.....	7667
18.2.5.3.1	Interactive/Background 32 kbps RAB + SRBs for PCCH + SRB for CCCH + SRB for DCCH + SRB for BCCH.....	7667
18.2.5.3.2	Interactive/Background 16 kbps RAB + SRBs for PCCH + SRB for CCCH + SRB for DCCH + SRB for BCCH.....	7668
18.2.5.3a	SRBs for PCCH + SRB for CCCH + SRB for DCCH + SRB for BCCH.....	7670
18.2.5.3a.1	SRBs for PCCH at 12 kbps + SRB for CCCH + SRB for DCCH + SRB for BCCH at 32 kbps.....	7670
18.2.5.3a.2	SRBs for PCCH at 8 kbps kbps + SRB for CCCH + SRB for DCCH + SRB for BCCH at 16 kbps	7671
18.2.5.4	RB for CTCH + SRB for CCCH +SRB for BCCH.....	7672
18.2.5.5	64.8kbps RB for MTCH with 80 ms TTI.....	7673
18.2.5.5.1	Conformance Requirement.....	7673
18.2.5.6	129.6 kbps RB for MTCH with 80 ms TTI.....	7675
18.2.5.7	259.2 kbps RB for MTCH with 40 ms TTI.....	7677
18.2.5.8	124.4kbps RB for MBSFN MTCH with 80 ms TTI	7679
18.2.5.9	320.4kbps RB for MBSFN MTCH with 80 ms TTI	7680
18.2.5.10	497.6kbps RB for MBSFN MTCH with 80 ms TTI	7681
18.2.5a	Combinations on SCCPCH type 2.....	7682
18.2.5a.1	124.4kbps RB for MBSFN MTCH with 80 ms TTI	7682
18.2.5a.1.1	Conformance Requirement.....	7682
18.2.5a.1.2	Test purpose	7683
18.2.5a.1.3	Method of Test	7683
18.2.5a.1.4	Test Requirements.....	7683
18.2.5a.2	320.4kbps RB for MBSFN MTCH with 80 ms TTI	7683
18.2.5a.2.1	Conformance Requirement.....	7683
18.2.5a.2.2	Test purpose	7683
18.2.5a.2.3	Method of Test	7684
18.2.5a.2.4	Test Requirements.....	7684
18.2.5a.3	497.6kbps RB for MBSFN MTCH with 80 ms TTI	7685
18.2.5a.3.1	Conformance Requirement.....	7685
18.2.5a.3.2	Test purpose	7685
18.2.5a.3.3	Method of Test	7685
18.2.5a.3.4	Test Requirements.....	7686
18.2.6	Combinations on PRACH.....	7686
18.2.6.1	SRB for CCCH + SRB for DCCH	7686
18.2.6.2	Interactive/Background 12.8 kbps PS RAB + SRB for CCCH + SRB for DCCH.....	7686
18.2.6.3	Interactive/Background 12.8 kbps PS RAB + Interactive/Background 12.8 kbps PS RAB + SRB for CCCH + SRB for DCCH.....	7686
18.2.7	Combinations on DPCH and HS-PDSCH	7686
18.2.7.1	Interactive or background / UL:64 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7686
18.2.7.1.1	Interactive or background / UL:64 DL: [max bit rate depending on UE category] / PS RAB, UL 336bit block size	7686
18.2.7.1.2	Interactive or background / UL:64 DL: [max bit rate depending on UE category] / PS RAB, UL 144bit block size	7692
18.2.7.2	Interactive or background / UL:128 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7695

18.2.7.2.1	Interactive or background / UL:128 DL: [max bit rate depending on UE category] / PS RAB, UL 336bit block size	7695
18.2.7.2.2	Interactive or background / UL:128 DL: [max bit rate depending on UE category] / PS RAB, UL 144bit block size	7698
18.2.7.3	Interactive or background / UL:384 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7701
18.2.7.4	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:384 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7704
18.2.7.5	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL: 64 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH....	7708
18.2.7.5.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL: 64 DL:[Bit rate depending on the UE category] / PS RAB, UL 336bit block size.....	7708
18.2.7.5.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL: 64 DL:[Bit rate depending on the UE category] / PS RAB, UL 144bit block size.....	7712
18.2.7.6	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or background / UL:384 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH....	7716
18.2.7.7	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or background / UL:64 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH....	7720
18.2.7.7.1	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or background / UL:64 DL:[Bit rate depending on the UE category] / PS RAB, UL 336bit block size	7720
18.2.7.7.2	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or background / UL:64 DL:[Bit rate depending on the UE category] / PS RAB, UL 144bit block size	7724
18.2.7.8	Interactive or background / UL:384 DL:[Bit rate depending on the UE category] / PS RAB + Interactive or background / UL:384 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7728
18.2.7.9	Interactive or background / UL:64 DL:[Bit rate depending on the UE category] / PS RAB + Interactive or background / UL:64 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7732
18.2.7.9.1	Interactive or background / UL:64 DL:[Bit rate depending on the UE category] / PS RAB + Interactive or background / UL:64 DL:[Bit rate depending on the UE category] / PS RAB, UL 340bit block size	7732
18.2.7.9.1	Interactive or background / UL:64 DL:[Bit rate depending on the UE category] / PS RAB + Interactive or background / UL:64 DL:[Bit rate depending on the UE category] / PS RAB, UL 148bit block size	7736
18.2.7.10	Streaming / unknown / UL:128 DL: [guaranteed 128, max bit rate depending on UE category] kbps / PS RAB + Interactive or background / UL:128 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7739
18.2.7.10.1	Streaming / unknown / UL:128 DL: [guaranteed 128, max bit rate depending on UE category] kbps / PS RAB + Interactive or background / UL:128 DL: [max bit rate depending on UE category] / PS RAB, UL 336bit block size.....	7739
18.2.7.10.2	Streaming / unknown / UL:128 DL: [guaranteed 128, max bit rate depending on UE category] kbps / PS RAB + Interactive or background / UL:128 DL: [max bit rate depending on UE category] / PS RAB, UL 144bit block size.....	7744
18.2.8	Combinations on DPCH, HS-DSCH and E-PUCH	7749
18.2.8.1	Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH on DCH	7749
18.2.8.2	Void.....	7750
18.2.8.3	Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH.....	7750
18.2.8.4	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7751
18.2.8.5	Streaming or interactive or background / UL:[max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] kbps / PS RAB + Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:[max bit rate depending on UE category and TTI] DL:3.4 kbps SRBs for DCCH on E-DCH and DL DCH	7754
18.3	Radio Bearer Tests for 7.68 Mcps TDD option.....	7756

18.3.1	General information for radio bearer tests (7.68 Mcps TDD).....	7756
18.3.1.1	Generic radio bearer test procedure for Single RB configuration	7756
18.3.1.2	Generic test procedure for testing multi-RB configuration and simultaneous signalling.....	7756
18.3.1.2a	Generic test procedure for testing multi-RB combinations and simultaneous signalling in case of DSCH.....	7756
18.3.1.3	Generic test procedure for testing Single Speech Radio Bearers on USCH/DSCH channels and multiple radio configuration signalling on RACH/FACH	7763
18.3.1.4	General information interoperability radio bearer tests for HS-DSCH	7767
18.3.1.4.1	HS-DSCH radio bearer test parameters	7767
18.3.1.4.2	Selecting TFRC test points	7767
18.3.1.4.3	TFRC test points for MAC-d PDU size=336	7768
18.3.1.4.4	TFRC test points for MAC-d PDU size=656	7850
18.3.1.5	Generic test procedure radio bearers on MTCH.....	7895
18.3.1.6	Generic test procedure for radio bearers on MBSFN MTCH	7895
18.3.1.7	General information for interoperability radio bearer tests for E-DCH and HS-DSCH combinations	7898
18.3.1.7.1	Generic test procedure for HS-DSCH and E-DCH radio bearer combinations	7898
18.3.2	Combinations on DPCH	7901
18.3.2.1	Stand-alone UL:1.7 DL:1.7 kbps SRBs for DCCH.....	7901
18.3.2.1a	Stand-alone UL:1.7 DL:1.7 kbps SRBs for DCCH (multiframe)	7901
18.3.2.2	Stand-alone UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7901
18.3.2.3	Stand-alone UL:13.6 DL:13.6 kbps SRBs for DCCH.....	7901
18.3.2.4	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7902
18.3.2.4a	Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL:(12.2 7.95 5.9 4.75) kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7903
18.3.2.5	Conversational / speech / UL:10.2 DL:10.2 kbps / CS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH	7906
18.3.2.5a	Conversational / speech / UL:(10.2, 6.7, 5.9, 4.75) DL:(10.2, 6.7, 5.9, 4.75) kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7907
18.3.2.6	Conversational / speech / UL:7.95 DL:7.95 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7910
18.3.2.7	Conversational / speech / UL:7.4 DL:7.4 kbps / CS RAB+ UL:3.4 DL:3.4 kbps SRBs for DCCH ..	7911
18.3.2.7a	Conversational / speech / UL:(7.4, 6.7, 5.9, 4.75) DL:(7.4, 6.7, 5.9, 4.75) kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7913
18.3.2.8	Conversational / speech / UL:6.7 DL:6.7 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7915
18.3.2.9	Conversational / speech / UL:5.9 DL:5.9 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7916
18.3.2.10	Conversational / speech / UL:5.15 DL:5.15 kbps / CS RAB + UL:1.7 DL:1.7 kbps SRBs for DCCH	7918
18.3.2.11	Conversational / speech / UL:4.75 DL:4.75 kbps / CS RAB + UL:1.7 DL:1.7 kbps SRBs for DCCH	7919
18.3.2.12	Conversational / unknown / UL:28.8 DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7921
18.3.2.13	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7922
18.3.2.13.1	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20ms TTI.....	7922
18.3.2.13.2	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 40ms TTI.....	7924
18.3.2.14	Conversational / unknown / UL:32 DL:32 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7926
18.3.2.14.1	Conversational / unknown / UL:32 DL:32 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 20ms TTI.....	7926
18.3.2.14.1	Conversational / unknown / UL:32 DL:32 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 40ms TTI.....	7927
18.3.2.15	Streaming / unknown / UL:14.4/DL:14.4 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7928
18.3.2.16	Streaming / unknown / UL:28.8/DL:28.8 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7930
18.3.2.17	Streaming / unknown / UL:57.6/DL:57.6 kbps / CS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7931
18.3.2.18	Void.....	7934

18.3.2.19	Void.....	7934
18.3.2.20	Void.....	7934
18.3.2.21	Void.....	7934
18.3.2.22	Void.....	7934
18.3.2.23	Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH .	7934
18.3.2.23.1	Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (PS RAB payload size 320).....	7934
18.3.2.23.2	Interactive or background / UL:32 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (PS RAB payload size 128).....	7935
18.3.2.23a	Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH. ..	7937
18.3.2.23a.1	Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 40 ms TTI.....	7937
18.3.2.23a.2	Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / 80 ms TTI.....	7938
18.3.2.23b	Interactive or background / UL:16 DL:16 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.	7938
18.3.2.23b.1	Interactive or background / UL:16 DL:16 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / Payload size 320.....	7938
18.3.2.23b.2	Interactive or background / UL:16 DL:16 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / Payload size 128.....	7940
18.3.2.23c	Interactive or background / UL:32 DL:32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.	7941
18.3.2.23c.1	Interactive or background / UL:32 DL:32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / Payload size 320.....	7941
18.3.2.23c.2	Interactive or background / UL:32 DL:32 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / Payload size 128.....	7943
18.3.2.23d	Interactive or background / UL:32 DL:32 kbps / PS RAB (20 ms TTI) + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	7946
18.3.2.23d.1	Interactive or background / UL:32 DL:32 kbps / PS RAB (20 ms TTI) + UL:3.4 DL:3.4 kbps SRBs for DCCH / Payload size 320.	7946
18.3.2.23d.2	Interactive or background / UL:32 DL:32 kbps / PS RAB (20 ms TTI) + UL:3.4 DL:3.4 kbps SRBs for DCCH / Payload size 128.	7947
18.3.2.24	Void.....	7949
18.3.2.25	Interactive or background / UL:32 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7949
18.3.2.25.1	Interactive or background / UL:32 DL: 64 kbps / PS RAB+ UL:3.4 DL:3.4 kbps SRBs for DCCH / (PS RAB payload size 320).....	7949
18.3.2.25.2	Interactive or background / UL:32 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / (PS RAB payload 128).....	7951
18.3.2.26	Interactive or background / UL:64 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7953
18.3.2.26.1	Interactive or background / UL:64 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / Payload 320, Physical Configuration 1	7953
18.3.2.26.2	Interactive or background / UL:64 DL: 64 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / Payload 128, Physical Configuration 2	7955
18.3.2.27	Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7958
18.3.2.27.1	Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / Payload 320, Physical Configuration 1	7958
18.3.2.27.2	Interactive or background / UL:64 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / Payload 128, Physical Configuration 2	7960
18.3.2.28	Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7963
18.3.2.28.1	Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / Payload 320, Physical Configuration 1	7963
18.3.2.28.2	Interactive or background / UL:128 DL:128 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH / Payload 128, Physical Configuration 2	7965
18.3.2.29	Interactive or background / UL:64 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH	7968
18.3.2.29.1	Interactive or background / UL:64 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH / Payload 320, Physical Configuration 1	7968

18.3.2.29.2	Interactive or background / UL:64 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH / Payload 128, Physical Configuration 2	7970
18.3.2.30	Interactive or background / UL:144 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH	7973
18.3.2.30.1	Interactive or background / UL:144 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH / Payload 320, TTI 20 ms	7973
18.3.2.30.2	Interactive or background / UL:144 DL:144 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH / Payload 128, TTI 40 ms	7975
18.3.2.31	Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH	7977
18.3.2.31.1	Interactive or background / UL:64 DL:256 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH/ Payload 320, 10 ms TTI Down Link, Physical Configuration 1	7977
18.3.2.31.2	Interactive or background / UL:64 DL:256 kbps / PS RAB / Payload 128, 20 ms TTI Down Link, Physical Configuration 2.....	7979
18.3.2.32	Interactive or background / UL:64 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH	7982
18.3.2.32.1	Interactive or background / UL:64 DL:384 kbps / PS RAB / Payload 320, 10 ms TTI Down Link, Physical Configuration 1.....	7982
18.3.2.32.2	Interactive or background / UL:64 DL:384 kbps / PS RAB / Payload 128, 20 ms TTI Down Link, Physical Configuration 2.....	7985
18.3.2.33	Interactive or background / UL:128 DL:384 kbps / PS RAB + UL:3.4 DL: 3.4 kbps SRBs for DCCH	7988
18.3.2.33.1	Interactive or background / UL:128 DL:384 kbps / PS RAB / Payload 320, 10 ms TTI Down Link, Physical Configuration 1.....	7988
18.3.2.33.2	Interactive or background / UL:128 DL:384 kbps / PS RAB / Payload 128, 20 ms TTI Down Link, Physical Configuration 2.....	7990
18.3.2.34	Interactive or background / UL:384 DL:384 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	7994
18.3.2.34.1	Interactive or background / UL:384 DL:384 kbps / PS RAB / 10 ms TTI, Physical Configuration 1.....	7994
18.3.2.34.2	Interactive or background / UL:384 DL:384 kbps / PS RAB / 20 ms TTI, Physical Configuration 2.....	7997
18.3.2.35	Interactive or background / UL:64 DL:2048 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	8000
18.3.2.35.1	Interactive or background / UL:64 DL:2048 kbps / PS RAB / Payload 320, 10 ms TTI Down Link, Physical Configuration 1.....	8000
18.3.2.35.2	Interactive or background / UL:64 DL:2048 kbps / PS RAB / Payload 128, 20 ms TTI Down Link, Physical Configuration 2.....	8003
18.3.2.36	Void.....	8007
18.3.2.37	Void.....	8007
18.3.3	Combinations on PDSCH, SCCPCH, PUSCH and PRACH	8008
18.3.3.1	Interactive or background / UL: 64 DL: 256 kbps / PS RAB + UL: 3.4/16.8 DL: 3.4/33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH	8008
18.3.3.1.1	Interactive or background / UL: 64(payload 320) DL: 256 kbps (10 ms TTI) / PS RAB + UL: 3.4/16.8 DL: 3.4/33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH.....	8008
18.3.3.1.2	Interactive or background / UL: 64(145 bit TBS – 20 ms TTI) DL: 256 kbps (337 bit TBS – 10 ms TTI) / PS RAB + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH	8013
18.3.3.1.3	Interactive or background / UL: 64(337 bit TBS – 20 ms TTI) DL: 256 kbps (337 bit TBS – 20 ms TTI) / PS RAB + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH	8016
18.3.3.1.4	Interactive or background / UL: 64(145 bit TBS – 20 ms TTI) DL: 256 kbps (337 bit TBS – 20 ms TTI) / PS RAB + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH 64 kbps + UL: 16.8 DL: 16 kbps SRBs for SHCCH	8019
18.3.3.2	Interactive or background / UL: 64 DL: 384 kbps / PS RAB + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH.....	8022
18.3.3.2.1	Interactive or background / UL: 64(337 bit TBS – 20 ms TTI) DL: 384 kbps (337 bit TBS – 10 ms TTI) / PS RAB + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH	8022

18.3.3.2.2	Interactive or background / UL: 64(145 bit TBS – 20 ms TTI) DL: 384 kbps / PS RAB/10 ms TTI/145 bits TBS (337 bit TBS – 10 ms TTI) + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH	8025
18.3.3.2.3	Interactive or background / UL: 64 (337 bit TBS – 20 ms TTI) DL: 384 kbps (337 bit TBS – 20 ms TTI) / PS RAB + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH	8028
18.3.3.2.4	Interactive or background / UL: 64 (145 bit TBS – 20 ms TTI) DL: 384 kbps (337 bit TBS – 20 ms TTI) / PS RAB+ UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH	8032
18.3.3.3	Interactive or background / UL: 64 DL: 2048 kbps/ PS RAB + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH.....	8037
18.3.3.3.1	Interactive or background / UL: 64 (337 bit TBS – 20 ms TTI) DL: 2048 kbps (657 bit TBS – 10 ms TTI) / PS RAB + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH	8037
18.3.3.3.2	Interactive or background / UL: 64(145 bit TBS – 20 ms TTI) DL: 2048 kbps (657 bit TBS – 10 ms TTI) / PS RAB + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH	8043
18.3.3.3.3	Interactive or background / UL: 64 (337 bit TBS – 20 ms TTI) DL: 2048 kbps (657 bit TBS – 20 ms TTI) / PS RAB+ UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH	8047
18.3.3.3.4	Interactive or background / UL: 64(145 bit TBS – 20 ms TTI) DL: 2048 kbps (657 bit TBS – 20 ms TTI) / PS RAB + UL: 16.8 DL: 33.6 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH.....	8053
18.3.3.4	Interactive or background / UL: 384 DL: 2048 kbps / PS RAB + UL: 3.4 DL: 16.8 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH	8058
18.3.3.4.1	Interactive or background / UL: 384 DL (337 bit TBS – 20 ms TTI): 2048 kbps (657 bit TBS – 10 ms TTI) / PS RAB+ UL: 3.4 DL: 16.8 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH	8058
18.3.3.4.2	Interactive or background / UL: 384(145 bit TBS – 20 ms TTI) DL: 2048 kbps (657 bit TBS – 10 ms TTI) / PS RAB + UL: 3.4 DL: 16.8 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH	8062
18.3.3.4.3	Interactive or background / UL: 384 (337 bit TBS – 20 ms TTI) DL: 2048 kbps (657 bit TBS – 20 ms TTI) / PS RAB + UL: 3.4 DL: 16.8 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH	8066
18.3.3.4.4	Interactive or background / UL: 384(145 bit TBS – 20 ms TTI) DL: 2048 kbps (657 bit TBS – 20 ms TTI) / PS RAB + UL: 3.4 DL: 16.8 kbps SRBs for DCCH, CCCH and BCCH + UL: 16.8 DL: 16 kbps SRBs for SHCCH	8071
18.3.4	Combinations on PDSCH, SCCPCH, DPCH, PUSCH and PRACH.....	8076
18.3.4.1	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64 DL: 256 kbps / PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH	8076
18.3.4.1.1	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64 kbps (320 bit payload – 20 ms TTI) DL: 256 kbps (320 bit payload – 10 ms TTI) / PS RAB/ + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH	8076
18.3.4.1.2	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64(128 bit payload - 20 ms TTI) DL: 256 kbps (320 bit payload – 10 ms TTI) / PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH.....	8081
18.3.4.1.3	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64(320 bit payload – 20 ms TTI) DL: 256 kbps (320 bit payload – 20 ms TTI) / PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH.....	8085
18.3.4.1.4	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64(128 bit payload - 20 ms TTI) DL: 256 kbps (320 bit payload – 20 ms TTI)/ PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH.....	8091
18.3.4.2	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64 DL: 384 kbps / PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH+ DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH	8096

18.3.4.2.1	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64 (320 bit payload – 20 ms TTI) DL: 384 kbps (320 bit payload – 10 ms TTI) / PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH.....	8096
18.3.4.2.2	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64 (128 bit payload - 20 ms TTI) DL: 384 kbps (320 bit payload – 10 ms TTI) / PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH.....	8100
18.3.4.2.3	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64(320 bit payload – 20 ms TTI) DL: 384 kbps (320 bit payload – 20 ms TTI) / PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH.....	8105
18.3.4.2.4	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64(128 bit payload - 20 ms TTI) DL: 384 kbps (320 bit payload – 20 ms TTI)/ PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH.....	8110
18.3.4.3	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64 DL: 2048 kbps / PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH.....	8115
18.3.4.3.1	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64(320 bit payload – 20 ms TTI) DL: 2048 kbps (640 bit payload - 10 ms TTI) / PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH.....	8115
18.3.4.3.2	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64 (128 bit payload - 20 ms TTI) DL: 2048 kbps (640 bit payload - 10 ms TTI) / PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH.....	8122
18.3.4.3.3	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64(320 bit payload – 20 ms TTI) DL: 2048 kbps (640 bit payload - 20 ms TTI) / PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH.....	8128
18.3.4.3.4	Conversational / speech / UL: 12.2 DL: 12.2 kbps / CS RAB + UL: 3.4 DL: 3.4 kbps SRBs for DCCH + Interactive or background / UL: 64(128 bit payload - 20 ms TTI) DL: 2048 kbps (640 bit payload - 20 ms TTI) / PS RAB + UL: 16.8 kbps SRBs for CCCH and SHCCH + DL: 33.6 kbps SRBs for CCCH SHCCH and BCCH.....	8137
18.3.5	Combinations on SCCPCH.....	8145
18.3.5.1	Stand-alone signalling RB for PCCH.....	8145
18.3.5.1.1	Stand-alone signalling RB for PCCH at 12 kbps.....	8145
18.3.5.1.2	Stand-alone signalling RB for PCCH at 8 kbps.....	8146
18.3.5.2	Interactive/Background PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH	8147
18.3.5.2.1	One SCCPCH: Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH.....	8147
18.3.5.2.2	Two SCCPCHs: Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH.....	8149
18.3.5.2.3	One SCCPCH/connected mode: Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH	8150
18.3.5.2a	Interactive/Background 32 kbps PS RAB + Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH	8151
18.3.5.2a.1	One SCCPCH: Interactive/Background 32 kbps PS RAB + Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH	8155
18.3.5.2a.2	Two SCCPCHs: Interactive/Background 32 kbps PS RAB + Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH	8156
18.3.5.2a.3	One SCCPCH/connected mode: Interactive/Background 32 kbps PS RAB + Interactive/Background 32 kbps PS RAB + SRBs for CCCH + SRB for DCCH + SRB for BCCH	8158
18.3.5.2b	SRBs for CCCH + SRB for DCCH + SRB for BCCH.....	8160
18.3.5.3	Interactive/Background RAB + SRBs for PCCH + SRB for CCCH + SRB for DCCH + SRB for BCCH.....	8161
18.3.5.3.1	Interactive/Background 32 kbps RAB + SRBs for PCCH + SRB for CCCH + SRB for DCCH + SRB for BCCH.....	8161
18.3.5.3.2	Interactive/Background 16 kbps RAB + SRBs for PCCH + SRB for CCCH + SRB for DCCH + SRB for BCCH.....	8163

18.3.5.3a	SRBs for PCCH + SRB for CCCH + SRB for DCCH + SRB for BCCH.....	8164
18.3.5.3a.1	SRBs for PCCH at 12 kbps + SRB for CCCH + SRB for DCCH + SRB for BCCH at 32 kbps.	8164
18.3.5.3a.2	SRBs for PCCH at 8 kbps kbps + SRB for CCCH + SRB for DCCH + SRB for BCCH at 16 kbps	8165
18.3.5.4	RB for CTCH + SRB for CCCH +SRB for BCCH.....	8166
18.3.5.5	64.8kbps RB for MTCH with 80 ms TTI.....	8168
18.3.5.5.1	Conformance Requirement.....	8168
18.3.5.6	129.6 kbps RB for MTCH with 80 ms TTI.....	8170
18.3.5.7	259.2 kbps RB for MTCH with 40 ms TTI.....	8171
18.3.5.8	124.4kbps RB for MBSFN MTCH with 80 ms TTI	8173
18.3.5.9	320.4 kbps RB for MBSFN MTCH with 80 ms TTI	8174
18.3.5.9.2	Test purpose	8174
18.3.5.10	497.6 kbps RB for MBSFN MTCH with 80 ms TTI	8175
18.3.6	Combinations on PRACH.....	8176
18.3.6.1	SRB for CCCH + SRB for DCCH	8176
18.3.6.2	Interactive/Background 12.8 kbps PS RAB + SRB for CCCH + SRB for DCCH.....	8176
18.3.6.3	Interactive/Background 12.8 kbps PS RAB + Interactive/Background 12.8 kbps PS RAB + SRB for CCCH + SRB for DCCH.....	8177
18.3.7	Combinations on DPCH and HS-PDSCH	8177
18.3.7.1	Interactive or background / UL:64 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	8177
18.3.7.1.1	Interactive or background / UL:64 DL: [max bit rate depending on UE category] / PS RAB, UL 336bit block size	8177
18.3.7.1.2	Interactive or background / UL:64 DL: [max bit rate depending on UE category] / PS RAB, UL 144bit block size	8182
18.3.7.2	Interactive or background / UL:128 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	8185
18.3.7.2.1	Interactive or background / UL:128 DL: [max bit rate depending on UE category] / PS RAB, UL 336bit block size	8185
18.3.7.2.2	Interactive or background / UL:128 DL: [max bit rate depending on UE category] / PS RAB, UL 144bit block size	8188
18.3.7.3	Interactive or background / UL:384 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	8191
18.3.7.4	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL:384 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	8194
18.3.7.5	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL: 64 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH....	8199
18.3.7.5.1	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL: 64 DL:[Bit rate depending on the UE category] / PS RAB, UL 336bit block size.....	8199
18.3.7.5.2	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Interactive or background / UL: 64 DL:[Bit rate depending on the UE category] / PS RAB, UL 144bit block size.....	8203
18.3.7.6	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or background / UL:384 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH....	8207
18.3.7.7	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or background / UL:64 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH....	8211
18.3.7.7.1	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or background / UL:64 DL:[Bit rate depending on the UE category] / PS RAB, UL 336bit block size	8211
18.3.7.7.2	Conversational / unknown / UL:64 DL:64 kbps / CS RAB + Interactive or background / UL:64 DL:[Bit rate depending on the UE category] / PS RAB, UL 144bit block size	8216
18.3.7.8	Interactive or background / UL:384 DL:[Bit rate depending on the UE category] / PS RAB + Interactive or background / UL:384 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	8220
18.3.7.9	Interactive or background / UL:64 DL:[Bit rate depending on the UE category] / PS RAB + Interactive or background / UL:64 DL:[Bit rate depending on the UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	8224
18.3.7.9.1	Interactive or background / UL:64 DL:[Bit rate depending on the UE category] / PS RAB + Interactive or background / UL:64 DL:[Bit rate depending on the UE category] / PS RAB, UL 340bit block size	8224
18.3.7.9.1	Interactive or background / UL:64 DL:[Bit rate depending on the UE category] / PS RAB + Interactive or background / UL:64 DL:[Bit rate depending on the UE category] / PS RAB, UL 148bit block size	8228

18.3.7.10	Streaming / unknown / UL:128 DL: [guaranteed 128, max bit rate depending on UE category] kbps / PS RAB + Interactive or background / UL:128 DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	8232
18.3.7.10.1	Streaming / unknown / UL:128 DL: [guaranteed 128, max bit rate depending on UE category] kbps / PS RAB + Interactive or background / UL:128 DL: [max bit rate depending on UE category] / PS RAB, UL 336bit block size.....	8232
18.3.7.10.2	Streaming / unknown / UL:128 DL: [guaranteed 128, max bit rate depending on UE category] kbps / PS RAB + Interactive or background / UL:128 DL: [max bit rate depending on UE category] / PS RAB, UL 144bit block size.....	8237
18.3.8	Combinations on DPCH, HS-DSCH and E-PUCH	8242
18.3.8.1	Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH on DCH	8242
18.3.8.3	Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] SRBs for DCCH on E-DCH and HS-DSCH.....	8244
18.3.8.4	Conversational / speech / UL:12.2 DL:12.2 kbps / CS RAB + Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH.....	8244
18.3.8.5	Streaming or interactive or background / UL:[max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] kbps / PS RAB + Streaming or interactive or background / UL: [max bit rate depending on UE category and TTI] DL: [max bit rate depending on UE category] / PS RAB + UL:[max bit rate depending on UE category and TTI] DL:3.4 kbps SRBs for DCCH on E-DCH and DL DCH	8248
Annex A (normative):	Default RRC Message Contents	8250
Annex B (informative):	Void	8251
Annex C (normative):	Generic Test Procedures to Check UE's State	8252
C.1	Verify that UE is in Idle Mode State	8252
C.2	Verify that UE is in CELL_FACH State	8254
C.3	Verify that UE is in CELL_DCH State	8255
C.4	Verify that UE is in CELL_PCH State	8256
C.5	Verify that UE is in URA_PCH State	8258
C.6	Procedures for RAN Assisted WLAN interworking	8259
C.6.1	Offload from UTRAN to WLAN	8259
C.6.2	Offload from WLAN to UTRAN	8260
C.6.3	Check no Offload to UTRAN, UE in Idle state	8260
C.6.4	Check no Offload to UTRAN, UE in Connected (Cell_DCH) state.....	8260
Annex D (normative):	Generic procedure to use before and following inter-RAT handover/cell change order signalling test cases.....	8262
D.1	Preamble for UTRAN to GERAN test cases	8262
D.2	Postamble to be used following for inter-RAT handover / cell change order test cases	8262
D.2.1	UTRAN to GERAN handover in CS	8262
D.2.2	UTRAN to GERAN handover in CS+PS	8262
D.2.3	UTRAN to GERAN cell change in PS (in PMM-CONNECTED).....	8263
Annex E (informative):	Change history	8264
History		8368

Foreword

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

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

Version x.y.z

where:

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

Introduction

The present document is part 1 of a multi-part conformance test specification for UE.

3GPP TS 34.123-1: "User Equipment (UE) conformance specification; Part 1: Protocol conformance specification". (the present document)

3GPP TS 34.123-2 [11]: "User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification".
Containing as well the TCs applicability.

3GPP TS 34.123-3 [12]: "Abstract Test Suite (ATS)".
Containing TTCN-2 (Tree and Tabular Combined Notation version 2) and TTCN-3 (Testing and Test Control Notation version 3) design frame work, test model, Implementation eXtra Information for Testing (IXIT) proforma, and Test Suites (the detailed test specifications in TTCN2 and TTCN-3). Note that there may be tests described in the present document which do not have a matching test case implementation in TTCN.

1 Scope

The present document specifies the protocol conformance testing for the 3rd Generation User Equipment (UE).

This is the first part of a multi-part test specification. The following information can be found in this part:

- the overall test structure;
- the test configurations;
- the conformance requirement and reference to the core specifications;
- the test purposes; and
- the description of the tests' procedures, the specific test requirements and the messages exchanged.

The following information relevant to the tests described in the present document can be found in accompanying specifications:

- the default setting of the test parameters [9];
- the applicability of each test case and the Implementation Conformance Statement (ICS) pro-forma [11].

Note: The present document does not contain any tests on the USIM, or the interface between the UE and the USIM. These tests are documented elsewhere.

The present document is valid for UE implemented according to 3GPP releases starting from Release 1999 up to the Release indicated on the cover page of the present document.