Agenda Item:	3
Source:	ETSI MCC
Title:	Report of 3GPP TSG RAN WG2 meeting #61bis, Shenzhen, China, March 31 – April 4, 2008
Document for:	Approval

Report of 3GPP TSG RAN WG2 meeting #61bis

held in Shenzhen, China
March 31 – April 4, 2008

DOCKET ALARM Find authenticated court documents without watermarks at docketalarm.com.

3GPP

Postal address

3GPP support office address

650 Route des Lucioles - Sophia Antipolis
Valbonne - FRANCE
Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Internet

http://www.3gpp.org

© 2008, 3GPP Organizational Partners (ARIB, ATIS, CCSA, ETSI, TTA, TTC).
All rights reserved.

DOCKET ALARM

Find authenticated court documents without watermarks at docketalarm.com.

Contents

Organisation of the meeting....6

Statistics....6

1 Opening of the meeting....7
1.1 Call for IPR....7

2 Approval of the agenda....8

3 Minutes of the previous meeting/reporting from other meetings....8

4 LTE General....9
4.1 Incoming LS to LTE....9
4.2 Stage-2 status....14
4.3 Identified issues....14
4.3.1 Multi-layer RACH modelling (including Msg3/4 failures)....14
4.3.2 Handover/Reconfiguration failure handling....17
4.3.3 Use of PDCP for RE_ESTABLISHMENT message....22
4.3.4 Security....23
4.4 L1/2 control in RRC....25
4.4.1 General....25
4.4.2 L1....25
4.4.3 MAC....26
4.4.4 RLC....27
4.4.5 PDCP....27
4.5 Other (unicast)....27
4.6 Broadcast services....29
4.6.1 MBMS....29
4.6.2 ETWS support in Rel-8....30
4.7 Home-(e)NB....30
4.7.1 Review of SP-080188 (Home-(e)NB requirements)....30
4.7.2 Home-eNB handling (LTE-only)....31
4.8 UE specific RRM information at handover....32
4.9 SON (Self Optimising Networks)....33
4.9.1 Radio protocol extensions....33
4.9.2 Standardised eNB measurements....33
4.10 Inter-RAT mobility UMTS->LTE....33

5 UTRA/UTRAN Long Term Evolution Stage 3....36
5.1 User plane....36
5.2 Control plane....36

6 UTRA/UTRAN....36
6.0 Open issues from last meeting....36
6.1 Incoming LSs on UTRA (all releases)....36
6.2 Release 6 corrections (and corrections to earlier releases)....37
6.3 Release 7 corrections....38
6.3.1 Enhanced CELL_FACH state in FDD....38
6.3.2 Improved L2 support for high data rates....38
6.3.3 CPC....39
6.3.4 MIMO....39
6.3.5 16 QAM UL....39
6.3.6 64 QAM DL....39
6.3.7 MBMS Physical layer Enhancements....40
6.3.8 GNSS in UTRAN....40
6.3.9 1.28 Mcps TDD Enhanced Uplink....40
6.3.10 7.68 Mcps TDD....42
6.3.11 3.84/7.68 Mcps TDD Enhanced Uplink....42

DOCKET ALARM
Find authenticated court documents without watermarks at docketalarm.com.

6.3.12 TEI7 43
6.4 Release 8 44
6.4.1 Improved L2 for uplink 44
6.4.2 CS voice service over HSPA 46
6.4.3 Enhanced Uplink for CELL_FACH State in FDD 47
6.4.4 Enhanced UE DRX 53
6.4.5 Enhanced CELL_FACH state in 1.28 Mcps TDD 54
6.4.6 Mobility between UMTS and LTE 56
6.4.7 HSPA VoIP to WCDMA/GSM CS continuity 56
6.4.8 HS-DSCH Serving Cell Change Enhancements 57
6.4.9 Support of UTRA HNB 59
6.4.10 WIs / SIs under the reasonability of other working groups 60
6.4.11 TEI8 61
6.5 Outgoing LS and email discussions for UTRA/UTRAN 62

7 Left-overs 63
7.1 LTE Control Plane session 63
7.2 LTE User plane session 63

8 Liaison and output to other groups 64

9 Any other business 67

10 Closing of the meeting 67

Annex A: List of participants 68

Annex B: List of Tdocs 68

Annex C: Incoming liaison statements for TSG RAN WG2 #61bis 68

Annex D: Outgoing liaison statements of TSG RAN WG2 #61bis 75

Annex E: List of endorsed CRs from TSG RAN WG2 #61bis 78

Annex F: Report of LTE user plane session (AI 5.1) 83
5.1 User plane 83
5.1.1 MAC (36.321) 83
5.1.1.1 Status 83
5.1.1.2 Dynamic scheduling 84
5.1.1.3 DRX handling 86
5.1.1.4 QoS 90
5.1.1.5 UL Information for scheduler 92
5.1.1.6 Random Access procedure 95
5.1.1.7 MAC PDU format 100
5.1.1.8 Semi-persistent scheduling 101
5.1.1.9 RRC configurable parameters 103
5.1.1.10 Other (unicast) 103
5.1.2 RLC (36.322) 103
5.1.2.1 Status 103
5.1.2.2 RLC header formats 104
5.1.2.3 RLC-UM 104
5.1.2.4 RLC-AM 104
5.1.2.5 Segmentation and concatenation 107
5.1.2.6 RRC configurable parameters 107
5.1.2.7 Other (unicast) 107
5.1.3 PDCP (36.323) 109
5.1.3.1 Status 109
5.1.3.2 Lossless handovers 109
5.1.3.3 Other (unicast) 111
5.1.4 UE capabilities (36.306) 112
5.1.4.1 Status 112
5.1.4.2 L2 buffer size 112
5.1.4.3 Other 113

DOCKET ALARM
Find authenticated court documents without watermarks at docketalarm.com.

5.1.5 Model of the physical layer (36.302) 114
5.1.5.1 Status 114
5.1.5.2 Other 114

Annex G: Report of LTE control plane session (AI 5.2) 115
5.2 Control plane 115
5.2.1 RRC (36.331) 115
5.2.1.1 Status 115
5.2.1.2 Connection control 115
5.2.1.3 Measurements 120
5.2.1.4 Inter-RAT Mobility 122
5.2.1.5 System information broadcast 123
5.2.1.6 Other (unicast) 127
5.2.1.7 PDU contents details 128
5.2.1.8 Methodology 129
5.2.2 Cell selection & re-selection (36.304) 129
5.2.2.1 Status 129
5.2.2.2 Cell reselection 129
5.2.2.3 Paging 130
5.2.2.4 Speed Dependant Cell Reselection 130
5.2.2.5 Other 130

Annex H: RAN WG2 meeting #61bis post processing 132
Email discussions/approvals 132

Annex I: History 135

DOCKET ALARM
Find authenticated court documents without watermarks at docketalarm.com.

DOCKET ALARM

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts

Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research

With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips

Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS
Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS
Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS
Sync your system to PACER to automate legal marketing.