Agenda item	3
Title:	**Final Report of 3GPP TSG RAN WG1 #55bis v3.0.0 (Ljubljana, Slovenia, 12 – 16 January, 2009)**
Document for:	**Approval**
Source:	**MCC Support**

<u>Fact Summary</u>

Meeting:	**3GPP TSG RAN WG1 #55bis**
Dates:	**12th through 16th January, 2009**
Venue:	**Grand Hotel Union in Ljubljana, SLOVENIA**
Host:	**European Friends of 3GPP**
Attendees:	**159 delegates**
Documents:	**543 (including some withdrawn and post-meeting artefacts)**

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Executive summary

3GPP TSG WG RAN1 #55bis meeting took place in Grand Hotel Union, Ljubljana, SLOVENIA.

The meeting started at 9:20 on Monday 12th January and finished at 17:00 on Friday 16th January 2009.

The week was scheduled as follows:

- Monday: Common session on Agenda items 1, 2, 3, 4, 6, 6.1 and 6.2.

- Tuesday: Parallel sessions. On one hand, session dedicated to corrections to TS36.213 (AI 6.3) chaired by Sadayuki Abeta and on the other hand, session on Agenda items 5,7,8 and 9 chaired by Dirk Gerstenberger.

- Wednesday morning: Parallel sessions on Agenda items 12 and 12.2 chaired by Dirk Gerstenberger and Agenda item 12.5 (DL MIMO in LTE-A) chaired by Juho Lee

- Wednesday afternoon: Common session on Agenda item 12.1 chaired by Dirk Gerstenberger.

- Thursday morning: Parallel sessions on Agenda items 12.3 and 12.6 chaired by Dirk Gerstenberger and Agenda items 12.4 and 12.5 chaired by Juho Lee

- Friday morning: Common session on Agenda items 10 and 11.

- Friday afternoon: Revisions

The list of action points that required RAN1 close follow-up is listed in Annex F (end of document).

The number of contribution documents for this meeting was 529, and those documents were categorized as followed.

Agenda Item	Input Document	Discussed Document
Liaison statement handling	28	25
Maintenance of UTRA R99 – Rel-8	33	30
Maintenance of Evolved UTRA Rel-8	148	
Continuous Connectivity for Packet Data users for 1.28Mcps TDD	7	7
MIMO for 1.28Mcps TDD	7	7
UTRA Multi-Carrier Evolution	22	21
Positioning support for LTE	4	4
Study Item on E-UTRAN Mobility Evaluation & Enhancement	5	3
Study Item on LTE-A	20	10
Study Item on LTE-A: UL transmission scheme	35	19
Study Item on LTE-A: Bandwidth extension	57	5
Study Item on LTE-A: COMP	44	5
Study Item on LTE-A: UL MIMO extension up to 4x4	28	1
Study Item on LTE-A: DL MIMO extension up to 8x8	46	20
Study Item on LTE-A: Relaying	45	3

Note: The amount of documents includes those discussed during the email discussion session post meeting.

The following document are missing. The corresponding contributions have not been handed over by companies.

R1-090097	UL A/N Multiplexing for Carrier aggregation	Samsung
R1-090212	Codebook-based PMI Restriction for LTE-advanced system	LG Electronics
R1-090324	Supporting Asymmetric Carrier Aggregation and Non Rel-8 Carriers in LTE-A (TBD)	Motorola
R1-090376	Evaluation of UE specific RS for COMP schemes	Ericsson
R1-090378	Downlink SU-MIMO in LTE-A	Ericsson

1. Opening of the meeting

Mr. Dirk Gerstenberger (RAN1 Chairman) welcomed the participants to the 55th RAN WG1 bis meeting and opened the meeting at 09:20. Highlight was put on the 10th year of existence of 3GPP starting with first meeting in Espoo, Finland in January 1999.

Eric Hardouin from Orange welcomed the delegates on behalf of European Friends of 3GPP and informed them about logistic issues during the week.

1.1 Call for IPR

The Chairman drew attention to Members' obligations under the 3GPP Partner Organizations' IPR policies. Every Individual Member organization is obliged to declare to the Partner Organization or Organizations of which it is a member any IPR owned by the Individual Member or any other organization which is or is likely to become essential to the work of 3GPP.

> The attention of the members of this Technical Specification Group is drawn to the fact **that 3GPP Individual Members have the obligation** under the IPR Policies of their respective Organizational Partners to **inform their respective** Organizational Partners **of Essential IPRs they become aware of**.
>
> The members take note that they are hereby invited:
>
> - to investigate in their company whether their company does own IPRs which are, or are likely to become Essential in respect of the work of the Technical Specification Group.
>
> - to notify the Director-General, or the Chairman of their **respective** Organizational Partners, of all potential IPRs that their company may own, by means of the IPR Statement and the Licensing declaration forms (e.g. see the ETSI IPR forms http://webapp.etsi.org/Ipr/).

2. Approval of the agenda

R1-090001	Draft Agenda for RAN1#55bis meeting	RAN1 Chairman	

Dirk Gerstenberger (Chairman) proposed the agenda for the meeting.

Discussion (Question / Comment):
Decision: The agenda was approved.

3. Approval of the minutes from previous meeting

R1-090002	Draft report of RAN1#55 meeting	MCC Support	

The document was presented by Patrick Mérias and draws the minutes from last meeting with special attention to RAN1 email approval issues not resolved prior to RAN1#55b meeting, namely:

- LTE 55/10: on path loss definition

- LTE 55/18: on CQI reporting for trnasmission mode 7

- LTE-A 55/1 (resp. LTE-A 55/3) on TP for evaluation methodology (resp. for default antenna tilt)

Discussion (Question / Comment): Mr Chairman confirmed that August 2009 meeting was of course co-located the same week as the other WGs (due to confusion in recent email on the reflector).

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