

3GPP TSG SA #26

SP-040910

Athens, Greece, 13—16 September 2004



TSG-RAN #26 meeting Report

Source TSG-RAN Chairman



A GLOBAL INITIATIVE

Change Request Overview

- Number of CRs on Release '99 :
 - 4 CRs approved. (TSG-RAN #25: 10)
- Number of CRs on Release 4 only (non Cat A):
 - 2 CRs approved (TSG-RAN #25: 10).
- Number of CRs on Release 5 only (non Cat A):
 - 44 CRs approved (TSG-RAN #25: 53).
- Number of CRs on Release 6 only (non Cat A):
 - 112 CRs approved (TSG-RAN #25:35).
- Total number of CRs in RAN including Category A:
 - 213 CRs approved (TSG-RAN #25: 189)

ITU-R matters: Update 6 of Recommendation M.1457

- New schedule has been provided by ITU-R for Update 6. TSG RAN has agreed not to decide immediately on whether new specifications will be added or not. The situation will be reviewed by WGs in May. Approval by correspondence will take place for the June meeting of ITU-R WP8/F.
- Tdoc SP-040908 and SP-040909 contain preliminary version of documents that needs to be endorsed before sending them to PCG for approval. They will be then spent for discussion in ITU-R WP8/F for the meeting due in February 2006

Liaisons

- **LS on considerations to avoid interference for terrestrial networks for onboard GSM networks (from ETSI MSG)**
 - The issue of terrestrial networks being interfered by on board GSM systems has already been discussed in GERAN. RAN reviewed the LSs and forwarded them to RAN WG4 for the impacts on the UTRA.
- **LS on definition of RAT (from SA WG1)**
 - The LS from TSG SA WG1 on terminology introduction for 3GPP RAT was debated at length. The chairman agreed to elaborate an answer to be approved by correspondence. However it can already be noted that this introduction is creating several difficulties from a RAN perspective. RAN has to look at any technology for handover independently so has to look at the impact from a signaling perspective.
- **LS on guidance and error patterns for MBMS streaming simulations (from SA WG4)**
 - MBMS performance requirements in RAN WG4 will not be completed before September, this is the part of the RAN work most linked to SA WG4 request.
 - SA WG4 is suggested to send experts to the RAN WGs meeting in February
 - Response LS is in SP-040893.

Old Releases

- **Load due to CRs on Release 99 remains low, only a few CRs were approved.**
 - **Discussion took place during the meeting to remove one of the compressed mode configuration (TGPL2). The principle was agreed, but some of the CRs needed technical revision. The Release of introduction was also debated and the category of the CRs needs to be changed to Cat C.**
- **The situation in Rel-4 is very similar (2 non Cat. A CRs approved)**
- **Release 5: CRs (44 non Cat. A) have been approved. Stability is now achieved except for TSG RAN WG2.**

Release 6

- 112 CRs (non Cat. A) have been approved on Release 6
- Network initiated SCUDIF. One open issue still remaining where alternative CRs exist but not approved awaiting for a decision from TSG CN.
- 'DL Transmission Branch Load' measurement will be kept to allow inclusion of consequential work in TSG RAN WG3
- After discussion at the RAN level several small issues have been postponed at the last Working Group meetings and it was agreed that this is quite important to be included in Release 6. The exact list of issues is not provided as it would be quite long and meaningless.
- Several work items have been finished. See detail in following slides

Release 6 WIs/SIs finished in RAN#26

- Network Sharing is considered as complete from a RAN perspective but some small issues which are mainly coming from a change to the PLMN selection within CN impacting also RAN needs to be provided.
- MBMS is considered as complete from a RAN WG1, WG2 and WG3. The remaining issue is completion of the requirement part with completion date for September 2005. Hence this cannot be considered as completed from a RAN perspective. Due to the nature of the remaining work it is part of Release 6.
- HS-DPCCH ACK/NACK enhancement
- Feasibility Study on Evolution of UTRAN Architecture: The Item is closed, subsequent work in the area will be included in the frame of the Long Term Evolution Study.

Release 6

WI to be completed in March 2005 or later but proposed to be kept in Release 6

- FDD Enhanced Uplink the signalling part is mainly done but CRs to introduce the signalling needs to be finalised
- Optimisation of downlink channelisation code utilisation for FDD and 3.84 Mcps TDD will be completed for the next meeting
- RAB support enhancements Could not be completed as some discussion needs to be completed for the finalization of the work on ROHC which was agreed to be necessary
- Performance Requirements of Receive Diversity for HSDPA
- Improved Minimum Performance Requirements for HSDPA UE categories 7 & 8

Beyond Release 6 Existing WIs

- **UMTS 2600 FDD**
- **Inclusion of Uplink TDOA UE positioning method in the UTRAN specifications**
- **Multiple Input Multiple Output Antennas.**
 - Since MIMO will also be studied as part of the Long Term Evolution, it was proposed to close this WI. As an intermediate step, the work is put on hold until June 2005. The situation of MIMO in 3GPP will be re-evaluated by then.
- **7.68 Mcps TDD Option**
- **Optimisation of channelisation code utilisation for 1.28 Mcps TDD**
 - Work item removed from Release 6 due to the impossibility to complete the work in due time

Beyond Release 6

New WIs approved at RAN#26

- **UMTS 2600 TDD (WG4 leads, completion Dec 2005)**
 - Background: UMTS 2600 FDD was agreed in September 2004 following the official request from ECC PT1
 - After discussion it was agreed also to create a new one specifically for the TDD option not to mix the two aspects even though coordination is required while progressing the one on FDD
- **UMTS 900 (WG4 leads, completion Sept 2005)**
 - Following the discussion at the last TSG RAN this work item was presented and also agreed.
- **UE Antenna Performance Evaluation Method and Requirements (WG4 leads, completion Sept 2005)**
 - Following some work done by COST new possibilities have been identified. This work item was hence approved
- **Optimisation of channelisation code utilisation for TDD**
 - This WI is splitted in two:
 - 3.84 Mcps TDD (to be completed by March and proposed for Rel-6)
 - 1.28 Mcps TDD (to be completed by March and proposed for Rel-7)

Beyond Release 6

Long term evolution for the UTRA and UTRAN

- **Long Term Evolution Work Shop**

- Long Term Evolution for UTRA and UTRAN was subject to a workshop that took place early November in Toronto and gathered more than 150 delegates.
- A lot of contribution were dealt with presenting views on the requirements for the new study and views of companies on what could be done in terms of Radio technology and architecture to solve current identified technical difficulties.
- Tdoc SP-040914 contains the summary of the requirements from the Work Shop.

- **Study Item on Evolved UTRA and UTRAN**

- A SI is approved in RAN #26 as a framework to start the work (WIDS in SP-040915). Once that the Study phase is completed (June 2005), work will proceed as usual with Work Items in the WGs.
- Tdoc SP-040916 provides the decided way of working for this study item.
- The fact that it is a long term activity should not not prevent introduction in Rel-7 of Work Items that could be considered as an intermediate step. Work on the enhancement of current UTRAN should continue normally.
- It is also important to note that Coordination with SA and SA WG is of utmost importance in this Feasibility Study. See the description of the working method.

Project management

- A joint meeting was held with TSG T to prepare the re-organization agreed by PCG. It was confirmed that New TSG RAN will have 3 Vice chairs. The new terms of reference have been endorsed and are proposed to be sent to the PCG for approval.
- The situation regarding whether the WG are new or old was left for consideration after completion of the meeting of old RAN and to have a short meeting of New RAN to check the result of the discussion in RAN on WGs organization.

TSG RAN Meeting Calendar

Meeting #	Date	Host	Location
27	09 - 11 March 2005		Tokyo, Japan
28	1 - 3 June 2005		Quebec, Canada
29	21 - 23 September 2005	European Friends of 3GPP	Tallinn, Estonia
30	30 Nov. - 2 Dec. 2005		Europe (TBC)
31	08 – 10 March 2006		China

Ad Hoc on "Long term evolution for the UMTS Radio", 7 - 8 March 2005, Tokyo
(Monday & Tuesday before TSG RAN meeting #27)

TSG RAN WG1 Meeting Calendar

Meeting #	Date	Host	Location
40	14-18 February 2005	North American Friends of 3GPP	Scottsdale, US
40bis	4-8 April 2005	Huawei	Beijing, China
41	09-13 May 2005	European Friends of 3GPP	
42	29 Aug – 02 Sept 2005	European Friends of 3GPP	
43	07-11 November 2005	Samsung	Korea

TSG RAN WG4 Meeting Calendar

Meeting #	Date	Host	Location
34	14-18 February 2005	North American Friends of 3GPP	Scottsdale, US
35	09-13 May 2005	European Friends of 3GPP	
36	29 Aug – 02 Sept 2005	European Friends of 3GPP	
37	07-11 November 2005	Samsung	Korea

TSG RAN WG2 & WG3 Meeting Calendar

Meeting #	Date	Host	Location
46	14-18 February 2005	North American Friends of 3GPP	Scottsdale, US
47	09-13 May 2005	European Friends of 3GPP	
48	29 Aug – 02 Sept 2005	European Friends of 3GPP	
49	07-11 November 2005	Samsung	Korea

RAN2 #45bis: 10-14 January 2005, Sophia-Antipolis.

RAN2 #46bis: 04-08 April 2005, China (Huawei).