TSG-RAN#8 Meeting Report

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SP-000319

General

- 120 Participants
- 136 Contributions
- Around 700 CRs
- 2.5 day meetings,
- No release’99 forms submitted
- R’00 work item sheets confirmed
- R’00 working method agreed

RAN WG1 (R’99)

- A total of 97 (120) CRs were submitted and approved, including revision during the meeting
  - Many corrections on category of CRs
- No more open issues remaining

RAN WG2 (R'99)

- A total of 169 (150) CRs were submitted and approved
  - Many corrections on CR category
- No more open issues remaining
- Although documents are stable, careful debugging, corrections will be necessary, especially on RRC

RAN WG3 (R'99)

- A total of 210 (280) CRs were submitted and approved, including category modification
- No more open issues
- Warning from WG3 chairman
  - A big risk for the quality, and openness, of the UTRAN interfaces (especially Iur/Iub) is the dependency on very few experts within RAN3. At the last meeting, more than 50% of the contributions to RAN3 were from one company. All companies finding inconsistencies in the specifications are requested to provide CRs to RAN3 as soon as possible.
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RAN WG4 (R'99)

- 102 (120) CRs were submitted and approved
- No more open issues
- Understanding of Japan on Handling of Measurement Uncertainty is different from that of RAN4. RAN confirmed WG4's position. Discussion is to be continued.

ITU Ad Hoc

- ITU Ad Hoc is re-activated to prepare the maintenance documents for ITU-R RSPC Specs
  - Draft version by Mid August
  - Final version by Mid October
- RAN propose to send a liaison on test spec. measurement accuracy.

General: Category of CRs

- Still, additional functionalities are proposed and agreed in RAN WGs
- Additional functionality should be limited to those that are essential for system operation but missing from current Specs.
- RAN proposed to have common understanding on categorization and acceptable ones in CRs (Annex-D of SP-000320)

MCC staff workload

- Workload for MCC staff is very high, especially for WG2, WG3
- Example
  - After RAN#7, the most critical specifications (25.413, 25.423, and 25.433) were not available until the following WG3 meeting, despite hard work by the MCC support team. Some extra resources need to be provided to the MCC support team for implementing CRs after each TSG meeting
- More support resource enhancement needed

RAN statistics from Oct.'99 to June'00

- Plenary: CRs-1690, Tdocs-598
- WG1: CRs-321, Tdocs-1356
- WG2: CRs-507, Tdocs-2052
- WG3: CRs-685, Tdocs-2282
- WG4: CRs-324, Tdocs-975

Release 2000

- Major work is still on R’99. Not so much progress on R’00 discussion
- Work item sheets are confirmed and endorsed, one by one
- Work procedure was discussed and drafted (Annex-E,F of SP-320)
  - Comments from delegates are yet to be received

Release 2000 work items

- Low chip rate TDD option
- Base station classification
- FDD Base station classification
- TDD Base stations classification
- High speed downlink packet access
- Support of Location Services in UTRA TDD
- Support of Location Services in UTRA FDD
- Hybrid ARQ II/III

Release 2000 work items

- NodeB Synchronisation for TDD
- UTRA Repeater Specification
- QoS optimization for AAL type 2 connections over Iub and Iur interfaces
- Terminal power saving features
- Handover for real-time services from PS-Domain

Release 2000 work items

- RAB Quality of Service
- Negotiation over Iu RRM optimizations
- Radio access bearer support enhancement
- Improvement of inter-frequency and inter-system measurements
  - (Compressed mode enhancements)
- Improved usage of downlink resource in FDD for CCTrCHs of dedicated type
  - (Support of Multiple CCTrCH in downlink (FDD))

Agreed study items

- Radio link performance enhancements
- High Speed downlink packet access
- USTS
- Feasibility Study for Improved Common DL Channel for Cell-FACH State

Work items newly identified

- Low Chip Rate TDD Physical Layer
- Low chip rate TDD layer 2 and layer 3 protocol aspects
- Low Chip Rate TDD RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing
- Low Chip Rate TDD Smart antenna
- Low Chip Rate TDD UE radio access Capability
- Low chip rate TDD UTRAN network Iub/Iur protocol aspects

Handling low chip rate TDD

- TR 25.928 v1.0.0 "1.28Mcps functionality for UTRA TDD Physical Layer “ was created in WG1, and made progress
- Discussion on whether new spec documents should be created or not
- Not to make new specs. Sections for lower chip rate is acceptable.

Missing work item sheets

- 6 Top level work items
- IP transport in the UTRAN (Update)
- TrFO/TFO

Concluding remark

- Still a lot of corrections are expected for R’99, especially for WG2,3
- List of R’00 WI for December completion is long. Prioritisation may be necessary to ensure the quality