RAN 4 Report

RP-020636

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RAN 4 Chairman

Summary

- **1 RAN WG4 meeting after the last RAN meeting**
- **Usual number of delegates (around 80),**
- **339 input contributions**
- **Regarding corrections to the BTS and UE**
  - **Release 99 - 12 CRs**
  - **Release 4 - 34 CRs**
  - **Release 5 - 69 CRs**
- **There will be one WG meeting before the next plenary.**

Action status

- Spacial channel models (Action from joint 3GPP/3GPP2 adhoc)
  - SCM status presented
- IPDL
  - No decision on Node B off power, so not completed – recommend
  - UE CR available but not approved
    - More time requested to look at the search window size
    - Concerns over other RRM issues
- Responded directly to ETSI TC ERM after reviewing the document attached to LS ETSI/ERM-RM21(02)MZ_37r1 (RP-020277).
- New spectrum report
  - Question to RAN on status report scope (RP-02xxx)

25.101/102 – release 99

- **25.101 – NO CRs**
- **25.102 – 1 CRs**
  - **Correction to DL power control averaging period**

25.104/105

- 25.104 – NO CRs
- 25.105 – NO CRs

25.123

- 3 CRs
  - Definition of “out of service area” condition which is used as a trigger to start RRC timers
  - Corrections to TDD-GSM measurement requirements and test cases
  - Corrections to TDD-TDD/FDD measurement requirements in Connected Mode

25.133

- 5 CRs
  - Correction of Identification times in CELL_FACH state for BSIC identification and reconfirmation
  - Correction of CELL_FACH test case
  - Correction of SCH side conditions and corrections of test cases
  - Definition of valid range for Rx-Tx time difference
  - Accuracy requirement of UE Rx-Tx time difference type 2

25.141

- **1 proposed CR**
  - **Correction of regional requirements, this follows on from the previous discussion held in RAN over the regulatory situation in Japan. The CR removes the specific test tolerances for Japan and aligns then with the other regions**

25.142

- **1 CRs**
  - **Alignment of minimum output power definition with core specification.**

Release 4

- **25.102**
  - **Correction to blocking exceptions for 1.28 Mcps TDD option**
  - **Correction of Out-of-Synchronisation test for 1,28 Mpcs TDD option**
- **25.106**
  - **Out of band gain**
- **25.113**
  - **Correction to radiated spurious emission limits for 1,28 Mcps TDD option**

Release 4

- **25.123**
  - **Many changes relating to low chip rate RRM**
  - **17 CRs**
- **25.133**
  - **Removal of AMR speech codec requirement**
  - **Completion of FDD-1.28 Mcps TDD option inter-working**

Release 4

- **25.142**
  - **Correction of Minimum Output power test for 1,28 Mcps TDD option.**
  - **Correction to blocking testing procedure for 1,28 Mcps TDD option.**
- **25.143**
  - **Out of band gain**

Release 5

- **25.101**
  - **Corrections to spectrum mask and PRACH, CPCH modulation quality**
  - **HSDPA FRC**
- **25.102**
  - **HSDPA**
  - **Correction to EMC reference**
- **34.124**
  - **Update of reference to ITU-R recommendation SM.329-9**

Release 5

- **25.104**
  - **Time alignment in TX Diversity**
  - **Correction to spurious emissions limits**
  - **Correction to CPICH measurement period**
- **25.105**
  - **3.84 Mcps TDD option LA ACS desired signal level correction**
  - **Alignment of ALCR definition with new power definition**
  - **Applicability of requirements in case of RF devices external to the BS**
  - **Total power dynamic range definition**
  - **Update of reference to ITU-R recommendation SM.329-9**
  - **1,28 Mcps TDD option Local Area BS ACS and Dynamic Range desired signal level correction**

Release 5

- **25.133**
  - **Inclusion of TTI uncertainty in event reporting delays for FDD measurement test cases.**
  - **Inclusion of AMR WB speech codec requirements**
- **25.141**
  - **Node-B EVM Test for Transmission of HSDPA 16QAM Signals**
  - **Correction of the internal BLER calculation verification test (Rel-5)**
  - **Correction of receiver spurious emission test method (Rel-5)**
  - **Correction of transmit inter modulation test method**
  - **Correction of Test Model 4**
  - **Corrections to Spectrum Emission Mask**
  - **Correction to CPICH accuracy measurement**
  - **UTRAN measurement Transmitted carrier power**

Release 5

- **25.142**
  - **3.84 Mcps TDD option LA ACS desired signal level correction**
  - **General corrections to TS25.142**
  - **Applicability of requirements in case of RF devices external to the BS**
  - **Total power dynamic range definition.**
  - **Correction of Node B test configurations**
  - **Correction of QPSK EVM/PCDE test for 1.28 Mcps TDD option.**
  - **Correction of 16QAM EVM/PCDE testing for HSDPA for 1.28 Mcps TDD option**
  - **Update of reference to ITU-R recommendation SM.329-9**
  - **1,28 Mcps TDD option Local Area BS ACS and Dynamic Range desired signal level correction**

Work/Study Items

Name	Acronym	Start	Finish	compl.
HSDPA RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing	HSDPA-RF	April-01	**Sept-02**	**90%**
Base station classification	RInImp-BSClass	Aug-00	Dec-02	
FDD Base station classification	RInImp-BSClass-FDD	Aug-00	Dec-02	**85%**
TDD Base station classification	RInImp-BSClass-TDD	Aug-00	June-02	**100%**
Base Station Classification for 1.28 Mcps TDD option	RInImp-BSClass-LCRTDD	June-01	June-02	**100%**
FS on UTRA WideBand Distribution Systems	RInImp-WDS	March-01	March-03	**40%**
FS for the viable deployment of UTRA in additional and diverse spectrum arrangements	RInImp-UMTSBands	Sept-01	**Dec-02**	**70%**
Improving Receiver Performance Requirements for the FDD UE	RInImp-UERecPerf	March-02	Dec-02	**xx%**
FS on UE antenna efficiency test methods performance requirements (2)	RInImp-UEAnTM2	March-02	Dec-02	

HSDPA

- FDD and Low chip rate TDD
  - FRC completed and CR presented
  - VRC simulations still in progress
    - Aim is completion for next plenary
  - Node B complete
- TDD – normal chip rate
  - Simulation assumptions agreed
  - Results presented
  - CR expected at next plenary

Release 6

- **Antenna testing**
  - **Antenna test group CTIA and COST have not completed the 3G test methods**
    - **Recommend RAN do not reopen study**
    - **RAN 4 to continue to monitor progress in both CTIA and COST**

Withdrawal of 25.8 series reports

- 25.845 – FDD RACH and AICH performance requirements
- 25.885 – UMTS 1800/1900
- 25.886 – TEI

Future Meetings

- RAN 4 - 11 – 15 Nov 2002 (New Jersey US - Sprient)
- RAN#18 3 - 6 December 2002, New Orleans ,USA
- RAN 4 17 – 21 Feb –Europe EF3
- RAN#19 – 11 – 14 March 2003, Jersey, UK
- RAN 4 - 19-23rd of May 2003 Paris EF3
- RAN#20 - 3 - 6 June 2003, Tampere, Finland
- RAN 4 – 18 – 22 Aug – (CATT - China)
- RAN#21 - 16 - 19 September 2003 Berlin, Germany
- RAN 4 – 17 - 21 Nov (Qualcomm – San Diego)
- RAN#22 - 9 - 12 December 2003 HI, USA