

RAN 4 Report

RP-020471

Howard Benn
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 - 11 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

- NO CRs

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 Mcps 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
- **34.121**
 - 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 | <u>Sept-02</u> | <u>90%</u> |
| Base station classification | RInImp-BSCClass | Aug-00 | Dec-02 | |
| FDD Base station classification | RInImp-BSCClass-FDD | Aug-00 | Dec-02 | <u>85%</u> |
| TDD Base station classification | RInImp-BSCClass-TDD | Aug-00 | June-02 | <u>100%</u> |
| Base Station Classification for 1.28 Mcps TDD option | RInImp-BSCClass-LCRTDD | June-01 | June-02 | <u>100%</u> |
| FS on UTRA WideBand Distribution Systems | RInImp-WDS | March-01 | March-03 | <u>40%</u> |
| FS for the viable deployment of UTRA in additional and diverse spectrum arrangements | RInImp-UMTSBands | Sept-01 | <u>Dec-02</u> | <u>80%</u> |
| Improving Receiver Performance Requirements for the FDD UE | RInImp-UERecPerf | March-02 | Dec-02 | <u>xx%</u> |
| 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 - Sprint)
- **RAN#18 3 - 6 December 2002, New Orleans ,USA**
- RAN 4 17 - 21 Feb - ??Korea or Europe
- **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**