

RAN 4 Report

RP-050026

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RAN 4 Chairman

Summary

- **1 RAN WG4 meeting after the last RAN meeting**
- **Joint adhoc held with RAN 1/2/3 on EUL Node B RRM**
- **Usual number of delegates (around 80)**
- **285 input contributions, 30% increase**
 - But increase is greater due to very few cat A CRs
- **Corrections to the specification (cat B & F numbers)**
 - Release 99 - 1 CRs
 - Release 4 - 0 CRs
 - Release 5 - 1 CRs
 - Release 6 – 15 CRs
- **2 technically endorsed R99 CRs**
- **There will be one WG meeting before the next plenary.**

R99 – Rel-5 Highlights

R99

- **One CR related to testing**
 - **Correction to DPCH_Ec/Ior level in A.7.1 UE Transmit Timing**
- **Removal of TGPL 2**
 - **Technically endorsed CRs to be presented to plenary**
 - **Linked with feature clean-up documents to be discussed at plenary**

Rel - 5

- **HS-DPCCH time mask requirements**
 - **Related to testing issues**

Rel-6 Highlights

- **Request to study UE receiver blocking specifications for the US region**
 - Email and conference calls yet again quickly resolve the issue
 - Thanks to Don Zelmer from Cingular for chairing
 - CRs approved in RAN 4
- **RET – some work transferred from RAN 3**
 - Progress being made and a number of CRs approved and passed to RAN 3
 - Further work still needed
- **UE transmit report mapping**
 - Several CR presented but no agree reached
 - Discussion will continue
 - Companies advised that if offline agreement could be gained then a company contribution could be made to plenary
- **Fractional DPCH**
 - Work started
 - 1 CR provisionally approved
 - Simulation assumptions under discussion on email reflector

TEI 6

- **Improvements in RRM**
 - **Minimum performance for constant BLER testcases**
 - **Closes the ongoing outer loop power control issue reported at last plenary**
 - **GSM BSIC reconfirmation**
 - **Cell Search Requirement**
 - **Need to ensure work in RAN 2 does not affect RAN 4**
- **Testing related**
 - **OCNS definition for transmit diversity**
 - **Description of test procedure for Time alignment error in TX Diversity**
- **Node B TX diversity related**
 - **Introduction of DL Transmission Branch Load Measurement**
 - **Test model usage for TX diversity test case**

Work and Study Items

WI Name	WI Code	%	Finish Date
Performance Requirements of Receive Diversity for HSDPA	RInImp-HSPerf-RxDiv	100	March 2005
Improved Minimum Performance Requirements for HSDPA UE categories 7 and 8	RInImp-HSPerf-10code	50	June 2005
UMTS 2.6 GHz FDD	RInImp-UMTS2600	60	June 2005
UMTS 2.6 GHz TDD	RInImp-UMTS2600TDD	5	Dec 2005
UMTS 900	RInImp-UMTS900	10	Dec 2005
UE Antenna Performance Evaluation Method and Requirements		20	Sept 2005
UE Performance Requirements for MBMS	MBMS-RAN-RF	20	Sept 2005
MIMO - RF Radio Transmission/Reception, System Performance Requirements and Conformance Testing	MIMO-RF	5	Dec 2005
FDD Enhanced Uplink - RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing	EDCH-RF	35	June 2005
7.68Mcps TDD option: RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing	VHCRTDD-RF	10	March 2006

Highlights

U-TDOA

- No contributions

MIMO

- No contributions

UE Receive Diversity for HSDPA

- Work completed and CRs presented to plenary
- Many thanks to all the companies involved and especially to the work item rapporteur DoCoMo
- Very aggressive timescales met again with agreed timeplan, and the use of electronic working between meetings

Improved Minimum Performance Requirements for HSDPA UE categories 7 and 8

- Initial simulation results presented
- Work progressing well via email
- Expected to be completed on schedule

Highlights

Enhanced uplink

- Work under way, simulation assumptions agreed
- Concerns over stability of specifications in other working groups
- Physical adhoc suggested to speed up progress – more later

MBMS performance requirements

- Concerns over stability of specifications in other working groups
- Suggestion made to remove selective combining
 - Not agreed but still under consideration
- Physical adhoc suggested to speed up progress – more later

7.68 mcps TDD

- TR progressing

Highlights

New frequency bands

- Band numbering agreed
- Band VII for the UMTS 2.6 range, and Band VIII for the UMTS900

2.6 GHz FDD / 2.6 GHz TDD / 900 MHz FDD

- Work underway on all new frequency bands
- Progress appears to be on plan
- Active discussion on some guard band issues for the 2.6 GHz TDD/FDD interworking
 - Agreed that guard bands are regulatory issues not covered by 3GPP

UE Antenna Performance Evaluation Method and Requirements

- Draft TR presented but clarity sort on origin of sources
- New TR expected at next meeting
- On schedule

Future Meetings

- 27 - 09 - 11 March 2005 Tokyo, Japan
- EUL/MBMS adhoc - 4 - 6 April ETSI, France
 - Questions raised on location - same dates as RAN1/2 meet in Beijing
 - Chairman's preference is to stay at ETSI
 - RAN plenary guidance sort
- 35 - 09-13 May 2005 Athens, Greece
- 28 - 1 - 3 June 2005 Quebec, Canada
- 36 - 29 Aug - 02 Sept 2005 London, UK
- 29 - 21 - 23 September 2005 Tallinn, Estonia
- 37 - 07-11 November 2005 TBD, Korea
- 30 - 30 Nov. - 2 Dec. 2005 Europe (TBC)