

# **RAN 4 Report**

# **RP-040404**

**Howard Benn**  
**RAN 4 Chairman**

# Summary

- **1 RAN WG4 meeting after the last RAN meeting**
- **Joint adhoc held with RAN 3 on RET**
- **Usual number of delegates (around 80)**
- **~200 input contributions**
- **Corrections to the specification (cat B & F numbers)**
  - **Release 99 - 0 CRs**
  - **Release 4 - 0 CRs**
  - **Release 5 - 5 CRs**
  - **Release 6 – 12 CRs**
- **There will be one WG meeting before the next plenary.**

# R99 – Rel-5 Highlights

## R99

- **Continue to see a number of issues raised by T1 on RAN 4 specifications**
  - **Looking forward to joint session in the near future**
  - **No major issues found**
  - **Clarification CRs in Rel-6**
- **Proposal to remove “test cases” from 25.133**
  - **CR to be discussed at next RAN 4 meeting**
  - **Guidance on test cases will continue to be given to T1 from RAN 4**

# Rel-6 Highlights

- **Request to study UE receiver blocking specifications for the US region**
  - Email group started
- **RET – some work transferred from RAN 3**
  - See RAN 3 report and WI status report for more detail
- **TEI**
  - Further discussions on cell search requirements – no CR yet.
  - TGPL2 – agree to remove. LS sent to other WGs
  - UE antenna testing – COST work completed, recommend work started again in RAN 4
  - Discussion on outer loop power control continue
    - CR on Windup test to be completed at next RAN 4 meeting

# Work and Study Items

WI name	WI acronym	%	Finish date
Multiple Input Multiple Output Antennas - RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing	RInImp-MIMO-RF	5	December 2005
Improved Receiver Performance Requirements for HSDPA	RInImp-HSPerf		June 2005
Performance Requirements of Receive Diversity for HSDPA	RInImp-UERxHSPerf-RxDiv	75	March 2005
Improved Minimum Performance Requirements for HSDPA UE categories 7 and 8	RInImp-HSPerf-10code	25	June 2005
FDD Enhanced Uplink: RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing	EDCH-RF	20	June 2005
UMTS 2.6 GHz	RInImp-UMTS2600	15	June 2005
UE Performance Requirements for MBMS	MBMS-RAN-RF	10	September 2005
7.68Mcps TDD option: RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing	VHCRTDD-RF	5	March 2006

# Highlights

## U-TDOA

- Clarification sort from RAN on WI status for RAN 4 LMU performance specification

## MIMO

- No contributions

## UE Receive Diversity for HSDPA

- Simulation work near completion, excellent participation, 8 sets of results. 10 code implement margin under consideration.

## Improved Minimum Performance Requirements for HSDPA UE categories 7 and 8

- Simulation assumptions agreed
- Work progressing via email

# Highlights

## Enhanced uplink

- Work underway but slow progress
- Conference calls started to speed things up

## 2.6 GHz

- Work underway
- Some disagreements over scope of work
  - Chairman asked interested companies to input contributions to plenary

## MBMS performance requirements

- Work underway
- Concerns over progress in other working group
- Completion date moved out to Sept 05

## 7.68 mcps TDD

- TR skeleton presented
- Concerns over links with 2.6 GHz WI raised

# Future Meetings

- 26 - 08 - 10 December 2004 Athens, Greece
- 34 - 14-18 February 2005 Scottsdale, US
- 27 - 09 - 11 March 2005 Tokyo, Japan
- 35 - 09-13 May 2005 European Friends of 3GPP
- 28 - 1 - 3 June 2005 Quebec, Canada
- 36 - 29 Aug - 02 Sept 2005 European Friends of 3GPP
- 29 - 21 - 23 September 2005 Tallinn, Estonia
- 37 - 07-11 November 2005 TBD, Korea Samsung
- 30 - 30 Nov. - 2 Dec. 2005 Europe (TBC)