

RAN 4 Report

RP-030412

Howard Benn
RAN 4 Chairman

Summary

- **1 RAN WG4 meeting after the last RAN meeting**
- **Usual number of delegates (around 80),**
- **195 input contributions (finished 1 day early)**
- **Corrections to the specification (cat B & F numbers)**
 - **Release 99 - 1 CRs**
 - **Release 4 - 7 CRs**
 - **Release 5 - 6 CRs**
 - **Release 6 – 12 CRs**
- **There will be one WG meeting before the next plenary.**

Actions from RAN #20

- **Review MIMO WI**
 - **Still no agreement on the use of advanced receivers for MIMO with in RAN 4**
- **Galileo**
 - **Report presented for information, no comments made but it will be taken into consideration in the A-GPS work**

Release 99 Issues

- None

Ongoing Discussions

- Variable duplex spacing
 - Technical assessment started
 - Expected completion – RAN #22

New Issues

- **Combining of TPC commands in soft handover**
 - Suggestion that improvements in performance requirements may be needed
 - Simulations started
 - More information should be available at RAN #22
- **Proposal for NodeB test setup over lub received**
 - discussion is expected to continue in the next meeting
 - more information should be available in RAN #22

New frequency bands

CRs technically endorsed – RAN requested to discuss impact to ITU regarding square brackets in Band VI

Band Number	Frequency Band		Work Item	Remarks
	UL (UE tx / BS Rx)	DL (BS tx / UE rx)		
I	1920 – 1980 MHz	2110 –2170 MHz	-	WRC-1992
II	1850 – 1910 MHz	1930 – 1990 MHz	-	(UMTS1900)
III	1710 - 1785 MHz	1805 - 1880 MHz	-	(UMTS1800)
IV	1710-1770MHz	2110-2170MHz	UMTS1.7/2.1GHz [RInImp-UMTS1721]	for ITU-R region 2
V	824 – 849MHz	869-894MHz	UMTS850 [RInImp-UMTS850]	for ITU-R region 2
VI	[830-840MHz]	[875-885MHz]	DS-CDMA800 [RInImp-UMTS800]	for Japan

LS to ITU

- **RAN 4 request guidance from RAN on the LS to ITU WP8F covering their FDD/TDD interference mitigation report**
 - This will be the second LS RAN 4 have sent, most errors remain after the first LS was largely ignored
 - RAN 4 would like to add the following statement
- **RAN 4 ask ITU WP8F to allow RAN 4 to review the IMT.MIT before it is officially approved by the ITU**

Rel 6 Work Items

- **Improvement of Receiver Performance Requirements for FDD UE**
 - Work item closed
 - New proposal for improved test models under consideration
- **Additional bands**
 - Work progressing well – see WI reports for details

Rel 6 study items

- **Wide Band distribution Systems**
 - Ongoing discussion
- **Low Output Powers for general purpose FDD BSs**
 - Proposal presented that RAN 4 believe is feasible. Main impact on the proposal is on RAN 2 and 3 who have been requested for their view

Work and Study Items

Work Item name	WI acronym	%	Finish date
Improving Receiver Performance Requirements for the FDD UE	RInImp -UERecPerf	100	Sept 03
UMTS 850	RInImp-UMTS850	<u>40</u> %	March 04
DS-CDMA Introduction in the 800 MHz Band	RInImp-UMTS800	<u>45</u> %	Dec 03
UMTS 1.7/2.1 GHz	RInImp-UMTS1721	<u>35</u> %	Dec 03
A-GPS minimum performance specification	LCS-UEPos-AGPSPerf	<u>10</u> %	March 04
Multiple Input Multiple Output Antennas - RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing	RInImp-MIMO-RF	0%	Dec 04

Study Item name	Acronym	%	Finish date
FS on UTRA Wideband Distribution System	RInImp-WDS	<u>50</u> %	March 04
FS on Low Output Powers for general purpose FDD BSs	RInImp-FSLoPw	<u>50</u> %	Sept 03

Antenna testings

- **COST will not complete their work until first 1/4 2004**

Future Meetings

- RAN 4 - 17 - 21 Nov Qualcomm - San Diego
 - **RAN#22 - 9 - 12 December 2003 - HI, USA**
 - RAN 4 - 9 - 13 Feb R&S Munich
 - **RAN - 9 - 12 Mar China(TBD)**
 - RAN 4 - 10 - 14 May (China)
 - **RAN - 1-4 Jun Korea**
 - RAN 4 - 16-21 Aug (co-locate with RAN 2?)
 - **RAN - 7-10 Sept US**
 - RAN 4 - 15-19 Nov (US)
 - **RAN 7-10 Dec TBD**
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