

RAN 4 Report
RP-040032

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RAN 4 Chairman

Summary

- **1 RAN WG4 meeting after the last RAN meeting**
- **Usual number of delegates (around 80),**
- **168 input contributions**
- **Corrections to the specification (cat B & F numbers)**
 - **Release 99 - 1 CR**
 - **Release 4 - 1 CR**
 - **Release 5 - 8 CRs**
 - **Release 6 – 17 CRs**
- **There will be one WG meeting before the next plenary.**

Actions from RAN #22

- **Review HSDPA RX diversity work item sheet**
 - **Endorsed**
 - **Simulation assumptions approved**
 - **On schedule to meet WI dates**

Issues for Plenary decision

- **Combining of TPC commands in soft handover**
 - R99 CR agreed as technically correct
 - Only one scrambling code (34.108)
 - May need updated to cover different scrambling codes in the future
 - RAN asked to decide which release to approve this in

Issues for Plenary decision

- HSDPA PAR

- RAN1/4 joint meeting held (see RAN1 report)
- Issue caused by high peak to average ratio when additional HSDPA codes are transmitted in addition to existing services (e.g 64k)
- Proposal for reduction in peak TX power when codes reach predetermined ratios (β_c/β_d)

- Current status

- Solution generally agreed
- β_c/β_d factors still under discussion
- Lack of system level simulations to analyse impact on new and existing services

Ongoing Discussions

- Variable duplex spacing in current bands
 - Completed, agreed technically feasible
 - no changes to specifications before market demand arises
- ACS
 - Complete – CR approved (RP-040129)
 - Background information will be added to TR25.942 “RF System Scenarios” in the next meeting
- Proposal for Node B test setup over Iub received
 - Work concluded, no CRs were needed
- New UMTS Band
 - UMTS-1700/2100 WI, CR’s agreed.

Issues reported at RAN 22

- **A-GPS**
 - 1 physical ad-hoc session took place.
 - Jan 2004 Korpilampi
 - It was proposed to create a separate specification for A-GPS performance to cover both UE based and UE assisted.
 - Slow progress
 - Probably will not make current June WI date

Work and Study Items

| WI name | WI acronym | % | Finish date |
|---|-------------------------|------|-------------|
| UMTS 1.7/2.1 GHz | RInImp-UMTS1721 | 100% | Mar-04 |
| Multiple Input Multiple Output Antennas - RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing | RInImp-MIMO-RF | 15% | Dec-04 |
| A-GPS minimum performance specification | LCS-UEPos-AGPSPerf | 35% | Jun-04 |
| Improved Receiver Performance Requirements for HSDPA | RInImp-HSPerf | 30% | Sep-04 |
| Performance Requirements of Receive Diversity for HSDPA | RInImp-UERxHSPerf-RxDiv | 30% | Sep-04 |

| SI name | Acronym | % | Finish date |
|---|------------|-----|-------------|
| FS on UTRA Wideband Distribution System | RInImp-WDS | 60% | Mar-04 |

Future Meetings

- **RAN - 9 - 12 Mar US**
- RAN 4 - 10 - 14 May China
- **RAN - 1-4 Jun Korea**
- RAN 4 - 16-21 Aug Prague
- **RAN - 7-10 Sept US**
- RAN 4 - 15-19 Nov Japan
- **RAN 7-10 Dec TBD**