

Status Report for WI to TSG

Work Item Name: UMTS1800, UMTS1900

SOURCE: Rapporteur

TSG: RAN

WG: 4

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Ref. to WI sheet: RP-010234, RP-000448

Progress Report since the last TSG (for all involved WGs):

In UMTS1800/1900 AdHoc in Philadelphia, discussions on the technical report and new inputs were continued. TSG RAN WG4#20 in East Brunswick several contributions were presented on various topics. These were:

- Capacity simulations between TIA/EIA –95 and WCDMA and between GSM and WCDMA.
- Blocking probability analysis based on simulations and measured field data.
- DL and UL signal strengths analysis vs. inter-site distances.
- Discussion papers of blocking signal type.

Meeting agreed the radio requirements for UE and base stations. Alignment of Io range in TS25.133 according to the changed sensitivity in band II and III was also agreed.

Also the handling of radio requirements in TS 25.307 was discussed and agreed, and proposal was sent to TSG RAN WG2 for review.

List of Completed elements (for complex work items):

TS 25.101 UE radio transmission and reception requirements (FDD) (rel-5)

- Channel raster, also correction to rel-99 and rel-4 specifications.
- UE Emission mask corrections according FCC requirements, also correction to rel-99 and rel-4 specifications.
- UE Sensitivity for bands II and III.
- UE Narrowband blocking requirement II and III.
- UE Narrowband Inter-modulation requirement II and III.

TS 25.104 BS radio transmission and reception requirements (FDD) (rel-5)

- Channel raster, also correction to rel-99 and rel-4 specifications.
- BS Emission mask corrections according FCC requirements, also correction to rel-99 and rel-4 specifications.
- BS Narrowband blocking requirement II and III.
- BS Narrowband Inter-modulation requirement II and III.
- Co-existence requirements II and III.

TS25.133 Requirements for Radio Resource Management (rel-5)

- Alignment of the Io measurement ranges according to changed UE sensitivity in bands II and III.

TS25.307 Release independent requirements (rel-99)

- Proposal of defining RF requirements and RRM management in TS25.307.

List of open issues:

None

Estimates of the level of completion (when possible):

WI is completed.

WI completion date review resulting from the discussion at the working group:

WI is completed.

References to WG's internal documentation and/or TRs:

The internal report was issued to the TSG RAN WG4#20 for discussion and approval. Significant amount of new inputs were submitted against the report during the meeting, and due to lack of time the report approval was agreed to be postponed to next meeting to allow more time to incorporate the contributions into the report.

[1] R4-011648 UMTS1800/1900 changes (Ericsson)

[2] R4-011598 UMTS 1800 band addition to TS 25.133v500 (Nokia)

[3] R4-011599 UMTS 1900 corrections to TS 25.101v380 (Nokia)

[4] R4-011659 Rel 5 frequency band re-structure and essential corrections for band II and III (Nortel)

[5] R4-011595 Correction for FCC emission mask and frequency raster for Band B (UMTS1900) (Ericsson)
- CR to 25.104 Rel99

[6] R4-011651 Proposed changes to TS25.307 (Nokia)