

Status Report for SI to TSG

Study Item Name: Feasibility Study on UTRA Wideband Distribution System (WDS)

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TSG: RAN WG: 4

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Ref. to SI sheet: RAN_Study_Items.doc

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

A new version of TR25.867 was discussed during RAN4 meeting 21 in Sophia Antipolis. It was noted that the way the TR is presented is not according to RAN4 procedures. Separate contributions, with the new proposals or simulations, should be presented, and then approved and added to the TR. Instead, in this case a new version of the TR is presented with the new technical contents already included; and it is very difficult for the group to analyse what has been introduced.

It is agreed that this version will not be presented to RAN, the document was noted.

Being this feasibility study strictly connected with the BS classification WI, its completion date was postponed to March 2003 a quartile after the new date of completion of BS classification, which is now December 2002.

The level of completion was agreed to be 60%

List of Completed elements (for complex work items):

There is no progress since the last TSG RAN.

List of open issues:

Ran WG4 shall evaluate the validity of the technical content of TR25.867.

The rapporteur shall apply the Ran_4 process on the Technical Report change and evolution.

The relationship between the WDS and the BS classification is still to be defined due to the fact that the WI on the BS classes is not yet finished. Because of the specific interest for using WDS for small cell applications, the way WDS may be included in 3GPP specs is not clear yet and needs further co-ordination with other ongoing work in related areas (e.g. BS classification and Repeaters). Concluding the work on WDS may be completed only after completion of the WI on BS classification (TR25.951, TR25.952).

Further work is required to verify the recommended margin consistency for the RF uplink parameters (e.g. Noise Figure, Blocking, and Intermodulation) and downlink parameters (e.g. Modulation Accuracy, Frequency Stability and Accuracy, Output Power Stability and Accuracy) for all scenarios, particularly in the multi-carrier case.

More work is also required in order to address all practical issues that may arise from system integration activities, this may require co-ordination with RAN3, and SA5.

Estimates of the level of completion (when possible):

60%

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

March 2003

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

[1] TR 25.867 v 1.0.0 "Feasibility Study for Wideband Distribution Systems in 3rd Generation Networks"

[2] RP-010938 Status report of SI "Feasibility Study for Wideband Distribution Systems in 3rd Generation Networks"