

Status Report for SI to TSG

Study Item Name: Uplink Enhancements for Dedicated Transport Channels

SOURCE: Rapporteur (Karri Ranta-aho, Nokia) **TSG:** RAN **WG:** 1

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Ref. to SI sheet: RAN_Study_Items.doc

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

Only one RAN WG1 meeting, meeting #33 took place since the last TSG RAN meeting.

63 documents related to the study item were submitted before the meeting and 42 of those were treated. (The numbers in meeting #32 were ~60 and ~30). 5 modified text proposals were produced, 4 of which were agreed to be included in the technical report. Further 6 text proposals or parts of them were in principle agreed for inclusion to the TR but the revised versions were left for email review. Four of those were agreed for inclusion and discussion continues for the two others.

The eight agreed text proposals contained simulation results of uplink HARQ performance and Rel'99 reference case performance simulation results. Also text related to shorter frame size, HARQ operation during SHO and clarification of issues to be considered when studying multiplexing were among the agreed text proposals.

None of the open issues listed in the last SI two report can be considered completed even though progress was made in the field of performance analysis compatibility issues and more detailed descriptions of the techniques. Significant progress in the field of reference case performance results were also seen.

RAN WG1 also decided to submit the SI technical report [1] to the RAN plenary and to the other RAN working groups for information.

List of Completed elements (for complex work items):

- Simulation assumptions
- Traffic model descriptions
- Reference technique descriptions
- Overview of techniques to be studied

List of open issues:

- Detailed descriptions of the techniques to be studied
- Compatibility of the enhancements with the existing system
- Interaction of the enhancement techniques
- Simulation results of the enhancement techniques
- Complexity analysis of the enhancements
- Feasibility study conclusion and recommendations for work item

Estimates of the level of completion (when possible):

Estimated level of completion is 50%

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

The latest estimate for the SI completion date is RAN#22 (December 2003).

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

[1] RP-030512, TR25.896, Feasibility Study for Enhanced Uplink for UTRA FDD, v1.0.0 updated according to agreements in RAN1 #33 and subsequent email review and sent to RAN#21 for information.