

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 RAN1 meeting, meeting #32 took place since the last TSG RAN meeting.

Approximately 60 documents related to the study item were submitted and 29 of those were treated. From those, 6 modified text proposals were produced and included in the technical report. The submitted text proposals addressed several topics, such as fast DCH setup, scheduling techniques, channel structures and hybrid ARQ. Among the submitted documents were also simulation results relating to hybrid ARQ performance, L1 synchronisation in DCH setup and peak to average ratios of different channel structures.

The agreed text proposals contained a general level description of a new scheduling technique, considerations of scheduling in soft handover, more detailed description of faster L1 synchronization and a TCP modelling methodology for the FTP traffic model in the simulation assumptions. Also minor additions were made to HARQ processing times and to the already existing rate scheduling method.

None of the open issues listed in the last SI report can be considered completed. Main progress was related to the elements that were already listed as completed in the last SI report.

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
- Feasibility study conclusion and recommendations for work item

Estimates of the level of completion (when possible):

Estimated level of completion is 40%

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] R1-030633, TR25.896, Feasibility Study for Enhanced Uplink for UTRA FDD, v0.3.1 updated according to agreement in RAN1 #32.