

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):

RAN WG1 meeting #30:

Six text proposals were agreed to be included in the technical report. The text proposals contained requirements for the study item, simulation assumptions, traffic models, and reference TFCS management and TFC selection techniques. In the meeting a total of 31 contributions were submitted and treated for this SI. Six text proposals were left for email review, but the agreement was not reached.

RAN WG1 meeting #31:

Nine text proposals were agreed to be included in the technical report. The text proposals contained some definitions to the terminology, general descriptions of the techniques to be studied (hybrid ARQ, fast DCH setup, scheduling) along with considerations to multiplexing alternatives and physical layer structures. Also a general level description of one proposed Node B based scheduling technique was included to the TR. In the meeting a total of 42 contributions were submitted and 30 treated for this SI. Especially hybrid ARQ, scheduling, multiplexing and physical layer structures draw a lot of attention from several companies and a lot of contributions addressed these issues. The discussion on these topics will still continue in the forthcoming RAN WG1 meetings.

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 30-40%

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

The completion date of RAN#20 (June 2003) indicated earlier by the RAN WG1 is seen unachievable considering the current completion level of the SI. The latest estimate for the SI completion date is RAN#22 (December 2003).

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

[1] R1-030377, TR25.896, Feasibility Study for Enhanced Uplink for UTRA FDD, v0.2.2 updated according to agreement in RAN1 #31.