

TSG-RAN Meeting #24
Seoul, South Korea
June 2nd – 4th, 2004

RP- 040163

Agenda item: 8.12.6
Title: Status Report for SI on Uplink enhancements for UTRA TDD
Source: Rapporteur

Status Report for SI for TSG RAN

Study Item Name: Uplink enhancements for UTRA TDD

SOURCE: Rapporteur (Marian Rudolf / InterDigital) **TSG:** RAN **WG:** 1

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Ref. to SI sheet: ftp://ftp.3gpp.org/tsg_ran/TSG_RAN/Work_Item_sheets/

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

During RAN1#37 2 contributions overall were submitted and discussed on R6 TDD UL Enhancements.

Based on several contributions presented and discussed already earlier during the RAN1#34, RAN1#35 and RAN1#36 meetings, a text proposal (R1-040591) covering Node-B Rate and Physical resources Scheduling was presented and approved by RAN1#37. Another presented text proposal (R1-040592) covering transport channel structure was approved; however the channel structure should also be reviewed by RAN2.

Current candidate techniques for potential enhancements now described in the TR are,

- Hybrid ARQ
- Node-B controlled scheduling (rate scheduling, physical resource scheduling)

List of Completed elements (for complex work items):

- Description of reference techniques in earlier Releases
- Description of Hybrid ARQ and Node - B controlled scheduling as candidate techniques for potential enhancements
- Proposed transport channel structure

List of open issues:

- 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): 20 %

SI completion date: RAN #26 (December 2004)

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

R1-040639 "3GPP TR 25.804 V0.2.0 (2004-05) Feasibility Study on Uplink Enhancements for UTRA TDD; (Release 6)"