

TSG-RAN Meeting #23
Phoenix, Arizona, USA
March 10th – 12th, 2004

RP-040025

Agenda item: 8.11.8
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#36, 3 contributions overall were submitted and discussed on R6 TDD UL Enhancements.

Based on several contributions presented and discussed already earlier during the RAN1#34 and RAN1#35 meetings, a joint text proposal (R1-040176) covering all areas of reference techniques in earlier releases for the TR plus Hybrid ARQ as a potential candidate technique for enhancements was presented and approved in RAN1#36.

The set of reference techniques in earlier releases now described in the TR are,

- Allocation of Dedicated Resources
- Allocation of Shared Resources
- Uplink TFCS Management with RRC Signalling
- Transport Format Combination Selection in the UE

Candidate techniques for potential enhancements now described in the TR are,

- Hybrid ARQ

Furthermore, R1-040237 and 238 discussed scheduling considerations and contained a text proposal for physical layer structure alternatives for the TDD UL enhancements. The discussion on these and work on the TDD UL Enhancements is expected to continue during RAN1#37.

List of Completed elements (for complex work items):

?? Description of reference techniques in earlier Releases

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): 10 %

SI completion date: RAN #25 (September 2004)

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

R1-040383 "3GPP TR 25.804 V0.1.0 (2004-02) Feasibility Study on Uplink Enhancements for UTRA TDD; (Release 6)"