

Agenda item: 8.2.4
Title: Status report for WI
'Remote Control of Electrical Tilting Antennas'
Source: RAN3

Status Report for WI for TSG RAN

Work Item Name: 'Remote Control of Electrical Tilting Antennas' (RANimp-TiltAnt)

SOURCE: Rapporteur (Andreas Hauser, Vodafone Group) **TSG:** RAN **WG:** 3

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

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

RAN3#40:

- Proposal with a Client-Server Architecture for a link-oriented interface, a 2nd level address approach and some further comments on the proposal one in section 6.1 of TR 25.802. This new proposal is captured in section 6.2 of TR 25.802 as "Proposal Two" (R3-040022)
- Proposal for the RET Control Application Part (RETAP) which is captured as part of proposal one in section 6.1 of TR 25.802. (R3-040056)
- Proposal of DQPSK as a new modulation scheme for the Layer 1 Coaxial Option (R3-040142)
- Reply LS back to SA5 giving some information on the UTRAN cell parameters over ltf-N for RET Control, a need for a reset capability in the case one RET antenna of a set could not be successfully adjusted and a joint NetMeeting/telephone conference between TSG RAN WG 3 and TSG SA 5 SWG D. (Draft LS in R3-040566)

RAN3#41:

- Update of TR 25.802 v0.3.2 which includes editorial changes as well as corrections was agreed. (R3-040322 and R3-040323)
- Some comments on RETAP of proposal one were discussed and clarified. Some discussions will be continued offline. (R3-040315)
- Corrections to the figures regarding the protocol structure were partly agreed. (R3-040328).
- Proposal to include a statement on the need of a mediation function was discussed but not agreed. Some further clarifications and discussion with TSG SA 5 delegates needed. (R3-040457)
- Further information on DQPSK modulation and comparison of the two proposed modulation schemes were agreed to be included in TR 25.802. (R3-040426)

- Further information on the Client-Server Architecture were given and agreed to be included in TR 25.802. Approach of 2nd level addressing needs to be explained in more detail. (R3-040298)
- Proposal to have HDLC connection-less mode as Transport layer was discussed but not agreed to be included into TR 25.802. More details on the proposal are needed. (R3-040385)
- First agreements to be captured in section 7 of TR 25.802 were discussed and partly agreed to be included. It was proposed to have an Ad-Hoc meeting on RET at the end of March 2004 to progress the work on RET and keep the target date. (R3-040324)

List of Completed elements (for complex work items):

- Definition of Requirements
- Agreement on UTRAN Architecture for RET Control
- Agreement on Protocol Structure
- Agreement on General Interface Aspects
- Agreement on series of new Technical Specifications 25.4xx for RET Control

List of open issues:

- Layer 1: RS 485 and/or Coaxial Cable, Data Rates as mandatory / optional
- Layer 1: Modulation scheme for Coaxial Cable option
- Layer 2: Client-Server Architecture for Link-oriented Interface?
- Layer 2: HDLC connection-oriented or connection-less?
- Layer 2: Device Scan Procedure needed?
- Layer 7: Off-line discussions on some commands ongoing
- Agreement on the final solution, preparing of the needed CRs to existing specifications and preparing of new specifications

Estimates of the level of completion (when possible): 45 %

WI completion date review resulting from the discussion at RAN WG3: RAN#24

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

R3-040552 TR 25.802 v0.4.0 Remote Control of Electrical Tilting Antennas