

Agenda item: 8.2.3
Title: Status report for WI
'Remote Control of Electrical Tilting Antennas'
Source: Vodafone Group

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#41bis:

- Skeletons for new Specifications on luant
- Update of propopsal two (e.g. FSK as modulation scheme, multi data rate ltf)
- Clarifications on Error Handling
- Discussions on supported data rates (mandatory/optional)
- Controversial discussion on modulation schemes, supported data rates and client-server approach without final agreement.
- Offline discussions requested by chairman in order to keep target dates
- Possibility of voting on still open issues at RAN3#42 announced to keep target dates

RAN3#42:

- Update of proposal two for clarification
- Further discussion on modulation schemes and 2nd level address concept
- Correction of Error Handling
- Discussion on DC Power Supply
- Finally decision for On-Off-Keying as RAN3 compromise solution for the modulation scheme (no objecting company)
- Agreement on final solution for luant after decision for OOK captured in TR 25.802 v1.0.0

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
- Agreement on a Three Layer Protocol with Layer 1, Transport Layer and RETAP
- Agreement on RS 485 and Coaxial Cable as two Layer 1 options
- Agreement to use subset of HDLC as Signalling Protocol
- Agreement on Normative and Informative Annexes for Return Codes, Fields for Additional Data and Vendor Codes
- Agreement on final solution for luant interface
- Agreement on TR 25.802 v1.0.0

List of open issues:

- Clarification of minor parts which are marked ffs in TR 25.802 v1.0.0 (device scan, software download, alarm handling)
- Preparing of the needed CRs to existing specifications
- Preparing of series of new Technical Specifications 25.4xx for luant

Estimates of the level of completion (when possible): 75 %

WI completion date review resulting from the discussion at RAN WG3: RAN#25

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

R3-040922 TR 25.802 v1.0.0 Remote Control of Electrical Tilting Antennas