3GPP TSG-SA5 (Telecom Management) **S5-038681**
Meeting #35bis, New Orleans, LOUISIANA, USA, 06 - 10 Oct 2003

Title:	**LS Reply on RAN Work Item "Control of Remote Electrical Tilting Antenna" and possible impact on SA5**
Response to:	**LS (S5-032520/S5-038639/R3-031247) on 'RAN Work Item "Control of Remote Electrical Tilting Antenna" and possible impact on SA5' from RAN3**
Release:	**Release 6**
Work Item:	**RAN Remote Control of Electrical Tilting Antennas**
Source:	**SA5**
To:	**RAN3**
Cc:	**RAN, SA, SA2**

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1. Overall Description:

SA5 would like to thank RAN3 for the LS on 'RAN Work Item "Control of Remote Electrical Tilting Antenna" and possible impact on SA5 (LS R3-031247). This LS in reply is for ACTION.

At a joint meeting between SA5 SWG-A and SWG-D the LS and its attachments were reviewed.

SA5 is studying the subject to be able to answer RAN3, but needs some further information from RAN3 in order to complete the study:

1) Under what situations are RET adjustments necessary ?

2) What needs to be measured and transferred over Itf-N in order to determine whether RET adjustments are needed ?

3) It is SA5's understanding that the Remote Electrical Tilting Control is an integrated subsystem in the Node B. That would mean that there are no architectural impacts in SA5. Please confirm this assumption.

4) In order to estimate the complexity of the work to be done, SA5 would like to know the order of magnitude of the number of control parameters and signalling commands that would be required for management of RET over Itf-N. For example can these be seen as a cell parameter(s) just like the frequencies, scrambling codes etc.?

5) Which aspects are most crucial for RAN3 and what are the priorities concerning the management of RET over Itf-N:
   - Configuration Management (e.g. setting of RET parameters, remote commands, number of RET antennas on a Node B);
   - Fault Management (e.g. RET alarm handling);
   - Performance Management (which measurements are required to ascertain the effectiveness of RET).

SA5 can't reply on behalf of SA whether an SA work item is needed. SA5 could create a new SA5 work item if as the result of study it is found to be a significant amount of work. If the work for SA5 is to add a small number of parameters and notifications to the Itf-N interface then no new SA5 work item would be needed.

Note that SA5 SWGA, SWGC and SWGD are not currently planning to do any further work on the Itf-R and Itf-B interfaces. (For more information on the Itf-R and Itf-B interfaces see SA5's TS 32.101 and TS 32.102.)

More inputs are expected from RAN3, for example a more complete version of the draft TR 25.802.

2. Action:

To RAN3 group.

ACTION: SA5 asks RAN3 to provide a response to the above questions. When answers to these questions are provided SA5 will be able to progress the RET work.

3. Date of Next SA5 Meetings:

3GPPSA5#36	WG	17 - 21 Nov 2003	Shanghai	CN
3GPPSA5#36-Bis	WG	12 - 16 Jan 2004	North America	?
3GPPSA5#37	WG	23 - 27 Feb 2004	Malaga	ES
3GPPSA5#37bis	WG	29 Mar. – 2 Apr. 2004	Sophia Antipolis	FR