3GPP TSG RAN Meeting #23 RP-040118
Phoenix, US, 10 - 12 March 2004

3GPP TSG-SA5 (Telecom Management) S5-048193
Meeting #37, Malaga, SPAIN, 23 - 27 Feb 2004

Title: LS reply on RAN Work Item "Control of Remote Electrical Tilting Antenna" and possible impact on SA5

Response to: LS (R3-040569 / S5-048175) on Reply LS to S5-048060 = R3-040208 on RAN Work Item "'Control of Remote Electrical Tilting Antenna" and possible impact on TSG SA 5' from RAN3

Release: 6

Work Item: RAN Remote Control of Electrical Tilting Antennas

Source: SA5 SWGD

To: RAN3

Cc: RAN

Contact Person:
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Attachments: S5-048176 WID on "The Remote Control of Electrical Tilting Antennas OAM&P Impacts"

1. Overall Description:

SA5 thanks RAN3 for the LS on RAN Work Item "'Control of Remote Electrical Tilting Antenna" and possible impact on TSG SA 5' (R3-040569 / S5-048175). SA5 SWG-D is grateful for the answers to the questions and is pleased that the new reflector 3GPP_TSG_RAN3-SA5-RET has been set up. SA5 delegates who have questions on RET will post them to the new reflector.

SA5 has approved an SA5 work task entitled "The Remote Control of Electrical Tilting Antennas OAM&P Impacts" that is a child of the RAN work task "RAN Remote Control of Electrical Tilting Antennas" (Unique_ID 23010, RP-030193). The SA5 WT is attached and SA5 would welcome feedback on it. Furthermore SA5 requests that RAN3 links the RAN RET WT to the child WT SA5 RET so the dependencies between the WTs are clearly represented. **This LS is for ACTION.**

SA5 hopes that the creation of the SA5 RET WT will allow the RET OAM&P aspects to be promptly completed.

2. Actions:

To RAN3 group.

ACTION 1: If RAN3 has any feedback on the SA5 WT "The Remote Control of Electrical Tilting Antennas OAM&P Impacts" then SA5 requests that it be communicated to SA5.

ACTION 2: SA5 requests that RAN3 links the RAN WT "RAN Remote Control of Electrical Tilting Antennas" to the child WT "The Remote Control of Electrical Tilting Antennas OAM&P Impacts".

3. Date of Next SA5 Meetings:

3GPPSA5#37-Bis	29 Mar - 2 Apr 2004	Sophia Antipolis	FR
3GPPSA5#38	10 - 14 May 2004	Beijing	CN

3GPPSA5#38-bis	28 Jun - 2 Jul 2004	Sophia Antipolis	FR

3GPP TSG-SA5 (Telecom Management) **S5-048176**
Meeting #37, Malaga, SPAIN, 23 - 27 Feb 2004

Source: **SA5 SWGD**

Title: **Work Item Description:**
[WI: title: The Remote Control of Electrical Tilting Antennas OAM&P Impacts]
WI type: [Work Task]

Status: **WT WID is SA5 Approved**

Work Item Description

Title: The Remote Control of Electrical Tilting Antennas OAM&P Impacts

1 3GPP Work Area

X	Radio Access
	Core Network
	Services
	Terminals

2 Linked work items

RAN Remote Control of Electrical Tilting Antennas (Unique_ID: 23010) (RP-030193)

Release 6 OA&M (TSGS#17(02)0445)

Network Resource Model (NRM) Enhancements (Rel 6, WT12, S5-027007)

3 Justification

To provide a standardized capability to manage Antenna Tilt via the ITF-N.

RAN has approved the WID on “Remote Control of Electrical Tilting Antennas” RET (RP-030193). TR 25.802 entitled "Remote Control of Electrical Tilting Antennas" identifies that the tilting of antennas is essential for the successful operation and optimisation of UMTS network coverage. It would be very beneficial if it were possible to remotely control the tilting of antennas in order to optimise radio coverage areas. Enhancing the Ift-N interface to provide RET antenna control from the Network Manager would allow operators to optimise the whole network using consistent commands – even in a multi-vendor environment.

4 Objective

To study the impact of RET on the Itf-N, and provide enhancements to permit RET to be remotely managed from Network Management systems via the Itf-N.

5 Service Aspects

None.

6 MMI-Aspects

None.

7 Charging Aspects

None.

8 Security Aspects

Some consideration may be necessary for shared network

9 Impacts

Affects:	USIM	ME	AN	CN	Others
Yes			X		
No	X	X		X	X
Don't know					

10 Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime resp. WG	2ndary resp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
TR 32.803	Telecommunications Management: Remote Control of Electrical Tilting Antennas OAM&P Requirements	SA5		06/2004	09/2004	
TS 32.abc	TBD	SA5				A new TS may be necessary. To be decided in TR 32.803.

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TBD		TBD	TBD	Existing specifications may be affected. To be decided in TR 32.803.

11 Work item raporteurs

John MUDGE (Vodafone Group)[john.mudge@vodafone.co.uk]

12 Work item leadership

SA5

13 Supporting Companies

Vodafone Group, Alcatel, CATT, China Mobile, Huawei, Lucent, Nortel Networks, Siemens, T-Mobile.

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c The WI is a Work Task parent OAM-NIM.

The WI is a Work Task parent RANimp-TiltAnt