

**TSG-RAN Meeting #11
Palm Springs, CA, USA, 13 - 16 March 2001**

RP-010014

(R3-010304, copy TSG-RAN) LS on Feedback on UTRAN OAM Procedures Work Item

Title: Feedback on UTRAN OAM Procedures Work Item

Source: TSG RAN WG3

TO: TSG SA5

Cc: TSG RAN, TSG SA, TSG CN

WI: UTRAN OAM Procedures

Contact Person:

Name: Gert-Jan van Lieshout (Ericsson)
E-mail Address: Gert-Jan.van.Lieshout@eln.ericsson.se
Tel. Number: +31 534505406

Attachments:



"S5-000569_Feature
UOAM.doc"

SP-000524

TSG RAN3 was asked by TSG SA#10 to provide feedback on the SA5 work item "UTRAN Operation and Maintenance Procedures" to the groups addressed by this LS.

RAN3 has briefly reviewed the work item sheet in SP-000524, and has a number of questions on the proposed work item, as well as some general comments. It should be noted that this response is based entirely upon the work item sheet, and **not** on the comments/explanations that were recorded in the minutes of TSG RAN#10.

- 1) RAN3 was unsure as to whether there would be changes to 25.433 and 25.430 specifications as a result of the work item (suggested by section 10), or if they were simply sources of information for the document 32.800 (suggested by section 15).
- 2) The stated Release 4 deadline of June 2001 for changes to 25.433 and 25.430 is not aligned with the RAN3 target for Release 4 changes. RAN3 understands that the deadline for OAM specifications may be later, but is hoping to have completed its Release 4 work by TSG RAN/SA#11 (March 2001).
- 3) RAN3 was unclear about the connection between the proposed SA5 work item and the RAN3 work items "RRM Optimisation" and "RAN Enhancements", as indicated in the work item sheet. RAN3 would appreciate some clarification about whether this implies that changes to the RAN3 work in these areas will be required.
- 4) The indicated objectives appear to suggest that RNC behaviour with regard to NBAP may be specified in detail, which is not in-line with the Release '99 Iub protocol design. NBAP basically follows a client-server approach, with the Node B behaviour well-specified, leaving flexibility for the RNC to decide when to use specific procedures. It was also commented that it was not clear what the scope of the "solutions" referred to in the objectives would be.
- 5) In general, RAN3 would prefer to avoid external dependencies on its protocols, and believes that discussions on impacts to Iub signalling should occur in RAN3.

Work Item Description

Title: UTRAN Operations and Maintenance procedures (Feature: UOAM)

1 3GPP Work Area

	Radio Access
	Core Network
X	Services (specifically, 3G Telecom Management: UTRAN O&M procedures)
	Terminals

2 Linked work items

- RAN Enhancements (RAN3 Feature)
- RRM Support over Iub and Iur: RRM optimisation (RAN3 BB)
- Charging and OAM&P (SA5 Feature)
 - Principles, high level Requirements and Architecture (SA5 BB)
 - Configuration Management (SA5 BB)
 - Fault Management (SA5 BB)
 - Performance Management (SA5 BB)

3 Justification

The use of multi-vendor networks increases the need to have a common network management method. This concept is already covered by the IRPs. However, in order to verify the completeness of the IRPs and their co-operation with other resource management interfaces, a total overview of management procedures is needed. These procedures were deduced from experiences of operating GSM networks.

4 Objective

To capture procedures and guidelines for identifying solutions to manage a multi-vendor network effectively. It shall develop:

- Use cases for the complete O&M process from NMC to Node B
- Guidelines for solutions
- General O&M requirements

5 Service Aspects

None

6 MMI-Aspects

None

7 Charging Aspects

None

8 Security Aspects

None

9 Impacts

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

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
32.800	Management level procedures and interaction with UTRAN	SA5	RAN3	TSG#11 (03/01)	TSG#12 (06/01)	Release 4
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
32-Series (SA5)				TSG#12 (06/01)	Release 4	
25.433 (RAN3)				TSG#12 (06/01)	Release 4	
25.430 (RAN3)				TSG#12 (06/01)	Release 4	

11 Work item rapporteurs

Bert BODEN (Mannesmann Mobilfunk) bert.boden@d2mannesmann.de

12 **Work item leadership**
SA5

13 **Supporting Companies**
Mannesmann Mobilfunk, T-Mobil, Viag Interkom, Vodafone Group, France Telecom, Telenor.

14 **Classification of the WI (if known)**

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

- 14a The WI is a **Feature**: List of **Building Blocks** under this **Feature**
- Principles, high level Requirements and Architecture (SA5)
 - Configuration Management (SA5)
 - Fault Management (SA5)
 - Performance Management (SA5)

15 Work Tasks under this Feature

Building Block	Work Task	Release
To be Identified	Consistency check with RAN3 NBAP (25.433) document.	Release 4
	Consistency check with RAN3 IUB Interface: General Aspects and Principles (25.430) document.	Release 4