TSG RAN#14 December 11-14, 2001 Tdoc RP-010947
Kyoto, Japan

Agenda Item: **9.8.5**
Source: **Nokia**
Title: **Proposal on way forward: Improvement of RRM across RNS and RNS/BSS**
Document for: **Approval**

At 3GPP RAN #12, SI on "Improvement of RRM across RNS and RNS/BSS" was agreed. TSG RAN WG3 has completed the studies and the TR is now for approval.

Considering the short time remaining for Release-5 as well as the requirements coming from the legacy equipment (GSM BSS), the following approach is proposed.

For Release –5 there is a joint meeting organised between TSG RAN3 & GERAN to discuss a simple proposal that would not require new interfaces and would be applicaple (with limited effort) to the legacy equipment. One example of such a methods is relaying load information in connection with handover request from UTRAN to GERAN (via core network). This to be done with either under a separate work item or under WI Technical Small Enhancements & Improvements as the specification impacts foreseen are very limited (adding one or few parameters).

The joint meeting would be organised before next TSG RAN in end January/February time frame and the meeting would have aim to create CRs (assuming details on Rel'5 method agreed with GERAN delegates) for TSG RAN#15 and for the next TSG GERAN. Possible finalisation of the CRs could take place in TSG RAN WG3 and in TSG GERAN meetings following the joint meeting.

For Release 6 a WI is set up to define the RRM solution that is targeted for the Iu-mode GERAN. Below is proposed work item for Release 6 on the issue proposed for approval.

Work Item Description

Title: **Improvement of RRM across RNS and RNS/BSS**

1 3GPP Work Area

X	Radio Access
	Core Network
	Services

2 Linked work items

None identified.

3 Justification

Radio resource management across RNS and RNS/BSS is a necessary tool for operators with GSM and UMTS networks. The operator must be able to place traffic on the technology that meets the operator's strategy and requirements be it for coverage, service or load. .

4 Objective

The objective of this work item is to identify tools for facilitating an efficient and cost effective method for radio resource management across RNS and RNS/BSS. The method, which allows resource management across RNS and RNS/BSS shall not affect UE/MS. The method is targeted for operation between UTRAN & Iu mode GERAN.

If there is a need to define new interface, then this interface shall be open.

5 Service Aspects

None identified.

6 MMI-Aspects

None identified.

7 Charging Aspects

None identified.

8 Security Aspects

None identified.

9 Impacts

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

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

This is a Release 6 work Item

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
New 3GPP TR	RRM between RNS and RNS/BSS	RAN WG3	TSG GERAN	RAN#16	RAN#18	

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
				To be determined based on the method(s) agreed

11 Work item raporteurs

Antti Toskala, Nokia, Helsinki, Finland

12 Work item leadership

RAN 3

13 Supporting Companies

Nokia, Omnitel-Vodafone, Mannesman Mobilfunk, Vodafone Group

14 Classification of the WI (if known)

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

14a The WI is a Feature: List of building blocks under this feature

14b The WI is a Building Block: Parent Feature: RAN Improvement

14c The WI is a Work Task: parent Building Block