

Agenda item: 9.10
Source: Ericsson
Title: Proposed Work Item description on " Introduction of protocol extension for research purposes in NBAP, RNSAP, RANAP and SABP messages"
Document for: Approval

Work Item Description

Title

Introduction of protocol extensions for research purposes in NBAP, RNSAP, RANAP and SABP messages.

1 3GPP Work Area

X	Radio Access
X	Core Network
	Services

2 Linked work items

None

3 Justification

Increased efficiency of the UTRAN and the quality of service to the end user.

4 Objective

When discussing vendor/operator specific protocol extensions for R99, it was agreed that at that point in time it was too early to allow specific message extensions. Such message extensions would endanger multi-vendor interoperability for basic functionality. Therefore R99 NBAP, RNSAP, RANAP and SABP specifications only allow vendor/operator specific messages, but no vendor/operator specific extensions to standardised protocol messages.

Since, as a result of the effort performed for Rel99 and Rel4, multi-vendor interoperability for basic functionality should be ensured sufficiently, Rel5 is considered a good moment in time for introducing

message extension mechanisms for research use, i.e. to experiment with new features in operational networks without endangering multi-vendor interoperability. This WI should introduce this capability.

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	X	
No	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	2 nd ary resp. WG(s)	Presented for endorsement at plenary#	Approved at plenary#	Comments
25.xxx		WG3		RAN #14	RAN #14	
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
25.413		RANAP		RAN #14		
25.419		SABP		RAN #14		
25.423		RNSAP		RAN #14		
25.433		NBAP		RAN #14		

11 Work item rapporteurs

Anders Molander (Ericsson)

12 Work item leadership

TSG-RAN WG3

13 Supporting Companies

Ericsson, NTT DoCoMo, Lucent, NEC

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	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

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

RRM optimisations for Iur and Iub