

Source: TSG SA WG2
Title: Proposed Work Item for radio optimisation impacts on PS domain architecture
Agenda Item: 7.2.3

Work Item Description

Title: radio optimisation impacts on PS domain architecture

1 3GPP Work Area

X	Radio Access
X	Core Network
	Services

2 Linked work items

IMS
RAB support enhancement
Geran Header adaptation

3 Justification

For IM conversational services, some radio optimization such as Unequal Error Protection can be provided for PS multimedia services and the introduction of such enhancement may bring architectural questions that have to be studied.

4 Objective

The objective of the Work Item is to consider the architectural impacts of radio optimisation provided for services such as IMS that require the transport of real time traffic over PS domain .

This work item covers radio optimisation methods for both GERAN and UTRAN needs, covering impacts to core network.

Radio optimisation methods to be studied are, for example, header removal, UEP, 0 byte header compression...

5 Service Aspects

To be clarified by the TR

6 MMI-Aspects

No

7 Charging Aspects

To be clarified by the TR

8 Security Aspects

Yes, it should be studied how radio optimization methods works with different security protocols e.g. IPSEC.

9 Impacts

Affects :	USIM	ME	AN	CN	Others
Yes		X	X		
No	X				
Don't know				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
TRxxx	Radio optimisation impacts on the PS domain architecture	SA2		SA#16	SA#17	
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	

11 Work item rapporteurs

Laurence Lautier (Nortel Networks)

12 Work item leadership

SA2

13 Supporting Companies

Nortel Networks, Alcatel, FT, H3G

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

IMS

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