

Agenda Item: 8
Source: Ericsson
Title: Proposed R00 WI: Radio access bearer support enhancement
Document for: Approval

Work Item Description

Title

Radio Access Bearer support enhancement

1 3GPP Work Area

X	Radio Access
	Core Network
	Services

2 Linked work items

(list of linked Wis)

1. "All IP UTRAN"

3 Justification

The increasing interest in IP based services demands special optimisation of the means by which a radio access bearer can be provided by UTRAN.

4 Objective

This work item should have the scope of adding necessary functionality to the Uu and Iu interface in order to efficiently support RT traffic, e.g. VoIP. Examples of such functionality are:

- Radio Access Bearer multiplexing in PDCP
- Header compression for VoIP
 - Normally referenced from an IETF RFC
- Support of variable formats over Iu and unequal error protection
- Channel type switching for logical channels
 - Today it is only possible to switch all logical channels of one UE, not individual. For DSCH it would be much better to be able to switch single logical channels

5 Service Aspects

The intention with the work item is to better and more efficient support IP based services.

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	2ndary resp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#		Comments
25.331		RRC protocol specification				
25.323		PDCCP protocol specification				
25.413		UTRAN Iu interface RANAP signalling				
25.415		UTRAN Iu interface user plane protocols				

11 Work item rapporteurs

Johan Lundsjo (Ericsson)

12 Work item leadership

TSG-RAN WG2

13 Supporting Companies

(at least 4 companies)

Ericsson, Bosch, Nortel Networks, Telia AB

14 Classification of the WI (if known)

	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

(list of Work Items identified as building blocks)

14b The WI is a Building Block: parent Feature

(one Work Item identified as a feature)

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

(one Work Item identified as a building block)