

Title: **Revision of WID "Radio access bearer support enhancement"**

Source: **Nokia**

Document for: **Approval**

Agenda Item: **9.2.3**

This contains the agreed changes for the scope section (section 4), including Iur and the specific example being worked on in WG2, based on the discussion in TSG RAN#13, changes on the all other sections have been cancelled. Further as agreed, only one rapporteur (from WG2) is retained.

## Work Item Description

### Title

Radio Access Bearer support enhancement

#### 1 3GPP Work Area

X	Radio Access
	Core Network
	Services

#### 2 Linked work items

#### 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, Iur and Iu interface in order to efficiently support RT traffic, e.g. VoIP. Examples of such functionality are:

- Radio Access Bearer multiplexing in PDCP
- Support of variable formats over Iu and unequal error protection over Uu
- 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
- IP header removal as developed within GERAN
- [RFC3095 context relocation in SRNS relocation](#)

#### 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

<b>Don't know</b>					
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**10 Expected Output and Time scale (to be updated at each plenary)**

<b>New specifications</b>						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for endorsement at plenary#	Approved at plenary#	Comments
					RAN#14	
<b>Affected existing specifications</b>						
Spec No.	CR	Subject	Approved at plenary#		Comments	

**11 Work item rapporteurs**

TSG-RAN WG2: Ainkaran Krishnarajah (Ericsson)  
~~TSG-RAN WG3: Martin Israelsson (Ericsson)~~

**12 Work item leadership**

TSG-RAN WG2

**13 Supporting Companies**

TSG-RAN

**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

(list of Work Items identified as building blocks)

14b The WI is a Building Block: parent Feature  
 (one Work Item identified as a feature)

- RAN Improvement

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

(one Work Item identified as a building block)