

**Agenda Item:** 8

**Source:** Motorola

**Document for:** Decision

### Work Item Description

**Title**

RAB Quality of Service Negotiation over Iu

**1 3GPP Work Area**

X	Radio Access
X	Core Network
	Services

**2 Linked work items**

*None*

**3 Justification**

In release 99, UTRAN can only accept or reject a radio access bearer request from the core network. For services that could accept looser QoS requirements than those requested by the CN in the RAB establishment request there exist no means for UTRAN to propose alternative (looser) QoS. For such services the RAB establishment will fail, or alternatively the CN could re-attempt the RAB reestablishment with looser QoS requirements which would significantly increase the setup time.

Release 99 also does not allow the UTRAN to renegotiate RAB/QoS parameters for on-going calls. Since the UTRAN is responsible for managing the radio resources, it is necessary for the UTRAN to be able to initiate RAB renegotiation for efficient use of the radio interface.

**4 Objective**

This work item should enhance the Radio Access Bearer setup to something more sophisticated using e.g. QoS profiles to align with the already existing CN solution used in GPRS. However, it should be as simple as possible.

This work item should also enhance the management of Radio Access Bearers for on-going calls so that QoS parameters can be renegotiated by the UTRAN.

**5 Service Aspects**

The intention with the work item is to reduce the setup time of services.

The intention is also to allow continuation of service through UTRAN initiated QoS renegotiation.

**6 MMI-Aspects**

*None*

**7 Charging Aspects**

*None*

Prepared by Xx/yy/zz Foo Bar	No xx/0363-2/FCP 103 1959	Limited Internal Information	
Approved ERA/T/BF Mikael Gudmundson	Date 1999-03-01	Rev PA1	SELECT & CUT FOOTER BEFORE SUBMITTING DOC TO 3GPP!

**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 rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
25.413				RAN #10		
23.060						
24.008						

**11 Work item raporteurs**

Anders Molander, Ericsson

**12 Work item leadership**

RAN3

**13 Supporting Companies**

Ericsson, NEC, Nokia, Siemens.

[Motorola, BT, NEC, Nortel, Vodafone](#)

**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

UTRAN Improvement Feature