Agenda item: **6.11**

Source: Ericsson, Nokia, Philips, Qualcomm

Title: **Proposed Work Item description on "RL Timing Adjustement"**

Document for: Approval

Work Item Description

Title

Introduction of Radio Link Timing adjustment functionality in WG2 and WG3

1   3GPP Work Area

X	Radio Access
	Core Network
	Services

2   Linked work items

None

3   Justification

Optimising the existing procedures will increase the efficiency of UTRAN and the quality of service to the end user.

4   Objective

WG1 has already expressed (outgoing liaison R1-010135) that in the event of RL adjustment being required, the Rel99/Rel4 process of deleting and re-establishing a RL temporarily causes additional DL interference in one or more cells due to loss of macro-diversity gain. In addition it slightly increases the risk of dropped calls. Therefore RAN WG1 asked RAN WG3 to consider implementing a RL adjustment procedure for a future release.

This work task aims at introducing this possibility to execute a timing adjustment of one individual RL, typically one of several RLs in the active set.

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 rsp. WG	2ndary rsp. WG(s)	Presented for endorsement at plenary#	Approved at plenary#	Comments
25.xxx		WG3	WG2	RAN #14	RAN #14	
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
25.423		RNSAP		RAN #14		
25.433		NBAP		RAN #14		
25.331		RRC		RAN #14		

11 Work item raporteurs

Elena Voltolina (Ericsson)

12 Work item leadership

TSG-RAN WG3

13   **Supporting Companies**

Ericsson, Nokia, Philips, Qualcomm

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 optimizations for Iur and Iub