

**Title: Separation of resource reservation and radio link activation
Source: Ericsson**

Agenda item: 6.6.9

Separation of resource reservation and radio link activation

This contribution propose the work item sheet for the 'separation of resource reservation and radio link activation' to be included in release 5 as decided by TSG RAN#11. The work item is a left over from release 4 work item RRM Optimization for Iub and Iur.

Work Item Description

Title

Separation of resource reservation and radio link activation

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

This work task aims at introducing the possibility to have dedicated resources reserved in UTRAN without transmitting energy on the corresponding radio link(s). Furthermore, a separate mechanism for activating and deactivating radio transmission related to the reserved resources shall be introduced.

The separation will enable the following optimisations in UTRAN:

- delayed activation of a radio link at soft handover for high bit rate users, thus avoiding a potential handover problem;
- quicker channel type switching back to Cell_DCH;

- quicker radio link additions of radio links that recently were part of 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		
No	X	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	2 nd ary resp. WG(s)	Presented for endorsement at plenary#	Approved at plenary#	Comments
25.xxx		WG3		RAN #14	RAN #14	
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
25.420		Iur general aspects and principles		RAN #14		
25.423		RNSAP		RAN #14		
25.430		Iub general aspects and principles		RAN #14		
25.433		NBAP		RAN #14		

11 Work item rapporteurs

Gert-Jan van Lieshout (Ericsson)

12 Work item leadership

TSG-RAN WG3

13 Supporting Companies

TSG RAN

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