Title: **Revised Work Item description sheet on "Beamforming Enhancements"**
Document for: **Approval**
Source: **Nokia**
Agenda Item   **9.2.5**

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Work Item Description

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Title
Beamforming Enhancements

1   3GPP Work Area

X	Radio Access
	Core Network
	Services

2   Linked work items
        None

3   Justification
        Beamforming with dedicated pilot symbols or with S-CPICH has potential to improve system capacity. Also UTRAN RRM could be improved by defining support for measurements that take into account the possible use of beamforming with S-CPICH or with dedicated pilots only.

4   Objective
        This work item should define ~~the Rel'5 performance requirements and~~ potential new measurements for UTRA FDD for efficient support of of RRM in case beamforming is used in UTRAN. ~~The work also covers necessary corrections for Rel'99/Rel'4 specifications for the physical layer procedures to enable support of the beamforming operation.~~

5   Service Aspects
        None/Text

6   MMI-Aspects
        None/Text

7   Charging Aspects
        None/Text

8   Security Aspects
        None/Text

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
New TR	Beamforming Enhancements~~Concept Clarification~~	TSG RAN WG1	TSG RAN WG4	TSG RAN#14	TSG RAN#15<u>6</u>	
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
~~TS 25.214~~				TSG RAN#16<s>15</s>		
TS 25.133				TSG RAN#16		
~~TS 25.101~~				~~TSG RAN#16~~		
TS 25.433				TSG RAN#16		
~~TS 34.121~~				~~TSG T#15~~<u>16</u>		
TS 25.215				TSG RAN#16		

~~Note: CRs correcting Release'99 for 25.214 shall be provided for TSG RAN as soon as completed by TSG RAN WG1.~~

11 Work item raporteurs
Jussi Kähtävä, Nokia.

12 Work item leadership
TSG-RAN WG1

13 Supporting Companies
Nokia, ~~Motorola,~~<u>Ericsson,</u> Panasonic, 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

UTRAN Improvement Feature