3GPP TSG RAN #13 ***RP-010653***
Beijing, China, 18th-21st Sept. 2001

Agenda Item: **9.10**
Source: **NEC**
TO: **RAN #13**
Title: **Proposed WI "Enhancement of SSDT"**
Document for: **Approval**

Work Item Description

Title

Enhancement of Site Selection Diversity Transmit power control

1 3GPP Work Area

X	Radio Access
	Core Network
	Services

2 Linked work items

None

3 Justification

In R99 SSDT, non-primary cells suspend transmission of DPDCH but continue transmission of DPCCH in downlink. Therefore system capacity is reduced due to interference of the DPCCH transmitted from non-primary cells when the ratio of DPCCH bits in DPCH is not small.

4 Objective

The main objective of this work item is to reduce interference transmitted from non-primary cells in the active set. Furthermore it is also necessary to reduce decision errors of ID codes at Node B, if the number of ID codes is increased due to the enhancement.

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 information at plenary#	Approved at plenary#	Comments
25. XXX		WG1		RAN#14	RAN#14	

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS 25.214		Physical layer procedures	RAN#14	
TS 25.331		RRC	RAN#14	
TS 25.433		NBAP	RAN#14	
TS 25.423		RNSAP	RAN#14	
TS 25.101		UE Radio Transmission and Reception	RAN#14	
TS 25.104		UTRA Radio Transmission and Reception	RAN#14	
TS 25. 141		Base station conformance testing	RAN#14	

11 Work item raporteurs

Nahoko Takano (NEC)

12 Work item leadership

RAN WG1

13 Supporting Companies

NEC, Telecom-MODUS, NTT DoCoMo, Siemens, Fujitsu, Mitsubishi, Sony, Samsung

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

14b The WI is a Building Block: parent Feature

This is a building block of Radio Interface Improvement Feature.

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