<u>Work Item Sheet</u>

Uplink Synchronous Transmission Scheme (USTS)

1   **3GPP Work Area**

X	Radio Access
	Core Network
	Services

2   **Linked work items**

none

3   **Justification**

USTS is expected to provide good capacity in the uplink with low overhead and minimal impact on hardware and software resources at UE and in the UTRAN.

4   **Objective**

The purpose of this work item is to increase the uplink capacity by means of making a cell receive orthogonalized signals from UEs.

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
		WG1			RAN#14	
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
25.211		Physical channels and mapping of transport channels onto physical channels (FDD)		RAN #14		
25.213		Spreading and modulation (FDD)		RAN #14		
25.214		FDD : Physical layer procedures		RAN #14		
25.331		Radio Resource Control (RRC) Protocol Specification		RAN #14		
25.413		UTRAN Iu Interface RANAP Signalling		RAN #14		
25.423		UTRAN Iur Interface RNSAP Signalling		RAN #14		
25.433		UTRAN Iub Interface NBAP Signalling		RAN #14		

11 Work item raporteurs

Duk Kyung Kim (kdk@sktelecom.com)

12 Work item leadership

TSG RAN WG1

13 Supporting Companies

ETRI, LGE, Nokia, Samsung, Shinsegi, SK Telecom

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
(list of Work Items identified as building blocks)

14b   The WI is a Building Block: parent Feature

This is a building block part of the radio interface improvement feature.

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

(one Work Item identified as a building block)