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**Agenda Item:** 6  
**Source:** SK Telecom  
**Title:** Revised WI sheet for agreed study item "USTS"  
**Document for:** Approval

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**Work Item Description**

**Title**

Uplink Synchronous Transmission Scheme (USTS)

**1 3GPP Work Area**

X	Radio Access
	Core Network
	Services

**2 Linked work items**

*none*

**3 Justification**

In the preparation of Release 99, USTS was proposed to RAN1 and once included in the specifications. However, mainly due to missing support from other WGs, it was postponed to Release 2000 item. 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.

The following time schedule is considered for TSG RAN:

<b>Task</b>	<b>Planned Start</b>	<b>Planned Finish</b>
Work Item Creation	3/2000	3/2000
Work Item Approval		3/2000
Drafting and discussion, updates of specifications	4/2000	9/2000
Submission to TSG RAN for approval (TSG RAN WG1, WG2 & WG3 specifications)		9/2000
Submission of RAN WG4 specifications to TSG RAN		12/2000

for approval		
Possible remaining corrections and clarifications	09/2000	12/2000

**5 Service Aspects**

*None*

**6 MMI-Aspects**

*None*

**7 Charging Aspects**

*None*

**8 Security Aspects**

*None*

**9 Impacts**

Affects :	USIM	ME	AN	CN	Others
<b>Yes</b>		X	X		
<b>No</b>	X			X	X
<b>Don't know</b>					

**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
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 #9		
25.213		Spreading and modulation (FDD)		RAN #9		
25.214		FDD : Physical layer procedures		RAN #9		
25.331		Radio Resource Control (RRC) Protocol Specification		RAN #10		
25.413		UTRAN Iu Interface RANAP Signalling		RAN #10		
25.423		UTRAN Iur Interface RNSAP Signalling		RAN #10		
25.433		UTRAN Iub Interface NBAP Signalling		RAN #10		

**11 Work item rapporteurs**

Duk Kyung Kim (kdk@sktelecom.com)

**12 Work item leadership**

TSG RAN WG1

**13 Supporting Companies**

ETRI, LGIC, 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)