

Work Item Sheet

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 resp. WG	2ndary resp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments
		WG1			RAN#15	
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
<u>25.101</u>		<u>UE Radio Transmission and Reception (FDD)</u>		<u>RAN #15</u>		
<u>25.104</u>		<u>UTRA (BS) FDD; Radio transmission and Reception</u>		<u>RAN #15</u>		
<u>25.133</u>		<u>Requirements for Support of Radio Resource Management (FDD)</u>		<u>RAN #15</u>		
<u>25.141</u>		<u>Base station conformance testing (FDD)</u>		<u>RAN #15</u>		
25.211		Physical channels and mapping of transport channels onto physical channels (FDD)		RAN #15		
25.213		Spreading and modulation (FDD)		RAN #15		
25.214		FDD : Physical layer procedures		RAN #15		
25.302		Services provided by the physical layer		RAN #15		
25.331		Radio Resource Control (RRC) Protocol Specification		RAN #15		
25.413		UTRAN Iu Interface RANAP Signalling		RAN #15		
25.423		UTRAN Iur Interface RNSAP Signalling		RAN #15		
25.433		UTRAN Iub Interface NBAP Signalling		RAN #15		

11 Work item rapporteurs

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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)