

TSG-RAN Meeting #7
Madrid, Spain, 13 - 15 March 2000

TSGRP#7(00)0139

Agenda Item: 8
Source: SK Telecom
Title: Proposed Work Item on USTS
Document for: Discussion

Work Item Description

Title

Uplink Synchronous Transmission Scheme (USTS)

1 3GPP Work Area

×	UMTS Radio Access
	GSM Radio Access
	GSM-UMTS Core Network
	UMTS Services

2 Intended Output

Modification of the specifications to include support for USTS

TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)
TS	25.213	Spreading and modulation (FDD)
TS	25.214	FDD; physical layer procedures

3 Impact on Other Technical Specifications

There may be impact on the following technical specifications and technical reports:

TS	25.331	Radio Resource Control (RRC) Protocol Specification
TS	25.413	UTRAN Iu Interface RANAP Signalling
TS	25.423	UTRAN Iur Interface RNSAP Signalling
TS	25.433	UTRAN Iub Interface NBAP Signalling

(Note: We will further check the impacts of the USTS on other specifications.)

4 Justification

In the preparation of Release 99, USTS was proposed to RAN1 and included in this specifications produced by RAN1. This feature is intended to support uplink synchronous transmission with low overhead, good capacity characteristics and minimal impact on hardware and software resources at the UE and in the UTRAN. However, it was postponed to Release-2000 item. In Release 2000, the expected amount of work in RAN1 seems to be small because most of the issues were discussed already. The work in other working groups will affect the specifications for higher layers, e.g., RRC, Iu, Iur, and Iub interfaces.

5 Schedule of Tasks to be performed.

Task	Planned Start	Planned Finish
Drafting CRs to existing specifications	04/2000	07/2000
Possible remaining corrections and clarifications	07/2000	10/2000

6 Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		×	×		
No	×			×	×
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
						None
Affected existing specifications						
Spec No.	CR	Subject		Approved at plenary#	Comments	
25.211				RAN#8		
25.213				RAN#8		
25.214				RAN#8		
25.331				RAN#8		
25.413				RAN#8		
25.423				RAN#8		
25.433				RAN#8		