

**Agenda Item:**

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

**Work Item Description**

**Title**

Uplink Synchronous Transmission Scheme (USTS)

**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

**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.)

**Technical Scope**

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.

In RAN1 this will include

- The Physical Channel details
- Modulation and spreading
- Physical layer procedures

**Impact on Other 3GPP work items**

None

**Schedule of Tasks to be performed.**

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