

# 3G TR 25.XXX V0.1.0(2000-08)

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*Technical Report*

**3rd Generation Partnership Project;  
Technical Specification Group Radio Access Network;  
Uplink Synchronous Transmission Scheme (USTS)  
(Iur/Iub aspects)  
(Release 2000)**

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Reference

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<Workitem>  
(<Shortfilename>.PDF)

Keywords

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## Contents

1	Scope .....	5
2	References .....	5
3	Definitions, symbols and abbreviations.....	5
3.1	Definitions .....	5
3.2	Symbols .....	6
3.3	Abbreviations .....	6
4	Introduction .....	6
4.1	Background .....	6
5	Requirements .....	6
6	Study Area.....	6
6.1	General .....	6
6.2	Discussions in Leading Group.....	6
6.3	Discussions in WG3 .....	6
6.4	Impact to other WGs .....	7
7	Agreements and associated agreed contributions.....	7
8	Specification Impact and associated Change Requests .....	7
9	Backward Compatibility .....	7
10	Project Plan.....	8
10.1	Schedule .....	8
10.2	Study Item Status .....	8
11	History .....	8

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## Foreword

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- x the first digit:
  - 1 presented to TSG for information;
  - 2 presented to TSG for approval;
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- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
- z the third digit is incremented when editorial only changes have been incorporated in the document.

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# 1 Scope

The purpose of the present document is to help the TSG RAN WG3 group to specify the changes to existing specifications, needed for the introduction of the “Uplink Synchronous Transmission Scheme(USTS)” option for Release 2000.

WG1 is the leading working group of this Study Item and has its own TR. The purpose of this TR is not to replace the TR or any decisions made in the leading WG. Rather, it is intended to gather all the information in order to trace the history and the status of the Work Task in other RAN WGs, and discuss issues that WG3 has impact on.

It is not intended to replace contributions and Change Requests, but only to list conclusions and make references to agreed contributions and CRs. When solutions are sufficiently stable, the CRs can be issued.

It describes agreed requirements related to the Study Item.

It identifies the affected specifications with related Change Requests.

It also describes the schedule of the Study Item.

This document is a ‘living’ document, i.e. it is permanently updated and presented to all TSG-RAN meetings

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# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.

For a specific reference, subsequent revisions do not apply.

For a non-specific reference, the latest version applies.

- [1] TS 25.211 : Physical channels and mapping of transport channels onto physical channels (FDD)
- [2] TS 25.213 : Spreading and modulation (FDD)
- [3] TS 25.214 : FDD : Physical layer procedures
- [4] TS 25.302 : Services provided by the Physical Layer
- [5] TS 25.331 : Radio Resource Control (RRC) Protocol Specification
- [6] TS 25.423 : UTRAN Iur Interface RNSAP Signalling
- [7] TS 25.433 : UTRAN Iub Interface NBAP Signalling
- [8] TS 25.435 : UTRAN interface User Plane Protocol for Common Transport channel Data Streams
- [9] TR 25.926 : UE Radio access capabilities definition

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# 3 Definitions, symbols and abbreviations

## 3.1 Definitions

For the purposes of the present document, the following terms and definitions apply.

## 3.2 Symbols

## 3.3 Abbreviations

For the purposes of the present document, the following abbreviations apply:

CFN	Connection frame number
DPCCH	Dedicated physical control channel
DPDCH	Dedicated physical data channel
RTD	Round trip delay
RTPD	Round trip propagation delay
TAB	Time alignment bit
$T_{ref}$	Reference time
UE	User equipment
USTS	Uplink synchronous transmission scheme
UTRAN	Universal terrestrial radio access network

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# 4 Introduction

## 4.1 Background

Uplink Synchronous Transmission Scheme feature is one of the study items for the WCDMA Release 2000. In this technical report (draft), the requirements and detail solutions are described

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# 5 Requirements

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# 6 Study Area

*This section gives a summary of areas that have been identified where study needs to be performed to complete the study item.*

## 6.1 General

*In this section, the general aspect of the uplink synchronous transmission scheme will be discussed.*

## 6.2 Discussions in Leading Group

*In this section, the discussions in Leading group and contents TR of the Leading group will be described.*

## 6.3 Discussions in WG3

*In this section, the discussions in WG3 will be described.*

## 6.4 Impact to other WGs

*In this section, the impact to other WGs of the discussions in WG3 will be described.*

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## 7 Agreements and associated agreed contributions

*This section documents agreements that have been reached and makes reference to contributions agreed in RAN-WG3 with respect to this Study item.*

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## 8 Specification Impact and associated Change Requests

*This section is intended to list the affected specifications and the related agreed Change Requests. It also lists the possible new specifications that may be needed for the completion of the Work Task.*

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## 9 Backward Compatibility

*In this section, the backward compatibility will be discussed.*

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## 10 Project Plan

### 10.1 Schedule

Date	Meeting	Scope	[expected] Input	[expected]Output

### 10.2 Study Item Status

	Planned Date	Milestone	Status

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## 11 History

<b>Document history</b>			
V0.0.1	2000-08	First proposal	
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