

# ETSI TS 125 431 V9.0.1 (2011-04)

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*Technical Specification*

## **Universal Mobile Telecommunications System (UMTS); UTRAN Iub interface Layer 1 (3GPP TS 25.431 version 9.0.1 Release 9)**

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**Reference**

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**Keywords**

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# Contents

Intellectual Property Rights .....	2
Foreword.....	2
Foreword.....	4
1 Scope .....	5
2 References .....	5
3 Definitions and abbreviations.....	5
4 I <sub>ub</sub> Layer 1.....	5
<b>Annex A (informative): Change history .....</b>	<b>6</b>
History .....	7

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## Foreword

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Version x.y.z

where:

- x the first digit:
  - 1 presented to TSG for information;
  - 2 presented to TSG for approval;
  - 3 or greater indicates TSG approved document under change control.
- 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 present document specifies the standards allowed to implement Layer 1 on the I<sub>ub</sub> interface.

The specification of transmission delay requirements and O&M requirements is not in the scope of this document.

In the following "Layer 1" and "Physical Layer" are assumed to be synonymous.

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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.
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- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TS 25.411: "UTRAN Iu interface Layer 1".

[2] ATM Forum AF-PHY-0130.00 (10/99): "ATM on Fractional E1/T1".

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## 3 Definitions and abbreviations

For the purposes of the present document, the terms and definitions given in 3GPP TS 25.411 apply.

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## 4 I<sub>ub</sub> Layer 1

The I<sub>ub</sub> Layer 1 shall comply with the requirements of chapter 4 in TS 25.411 [1].

In addition, for the I<sub>ub</sub> Layer 1, it shall be possible to use n 64 kbit/s time slots within the scope of "ATM on Fractional E1/T1" as specified in AF-PHY-0130.00 [2], and to allow the co-existence of this interface with other interfaces on the same physical medium.

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## Annex A (informative): Change history

<b>Date / TSG</b>	<b>TSG Doc.</b>	<b>CR</b>	<b>Rev</b>	<b>Subject/Comment</b>	<b>New</b>
12/2008	-	-	-	Creation of Rel-8 version based on v7.0.0	8.0.0
12/2009	-	-	-	Creation of Rel-9 version based on v8.0.0	9.0.0
SP-49	SP-100629			Clarification on the use of References (TS 21.801 CR#0030)	9.0.1

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# History

<b>Document history</b>		
V9.0.0	January 2010	Publication
V9.0.1	April 2011	Publication