

# 3GPP TS 25.431 V11.0.0 (2012-09)

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*Technical Specification*

## **3rd Generation Partnership Project; Technical Specification Group Radio Access Network; UTRAN Iub interface layer 1 (Release 11)**



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**3GPP**

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Postal address

---

3GPP support office address

---

650 Route des Lucioles - Sophia Antipolis  
Valbonne - FRANCE  
Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

---

Internet

<http://www.3gpp.org>

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## Foreword

This Technical Specification has been produced by the 3<sup>rd</sup> Generation Partnership Project (3GPP).

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

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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 present document specifies the standards allowed to implement Layer 1 on the Iub 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.
- For a specific reference, subsequent revisions do not apply.
- 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 (1999-10): "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 [1] apply.

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## 4 Iub Layer 1

The Iub Layer 1 shall comply with the requirements of chapter 4 in TS 25.411 [1].

In addition, for the Iub 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 ATM Forum 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

Date / TSG	TSG Doc.	CR	Rev	Subject/Comment	New
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
03/2011				Creation of Rel-10 version based on v9.0.1	10.0.0
52	RP-110684	0003	-	Correction of references	10.1.0
09/2012				Update to Rel-11 version (MCC)	11.0.0