

# ETSI TS 125 431 V18.0.0 (2024-04)



**Universal Mobile Telecommunications System (UMTS);  
UTRAN Iub interface Layer 1  
(3GPP TS 25.431 version 18.0.0 Release 18)**



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**Reference**

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**Keywords**

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# Foreword

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

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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.
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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 (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.

## 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
09/2014				Update to Rel-12 version (MCC)	12.0.0
12/2015				Update to Rel-13 version (MCC)	13.0.0

Change history							
Date	Meeting	TDoc	CR	Rev	Cat	Subject/Comment	New version
2017-03	SA#75					Promotion to Release 14 without technical change	14.0.0
2018-07	SA#80	-	-	-	-	Promotion to Release 15 without technical change	15.0.0
2020-07	SA#88-e	-	-	-	-	Update to Rel-16 version (MCC)	16.0.0
2022-03	SA#95-e					Promotion to Release 17 without technical change	17.0.0
2024-03	SA#103-	-	-	-	-	Update to Rel-18 version (MCC)	18.0.0

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# History

<b>Document history</b>		
V18.0.0	April 2024	Publication