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Technical Specification

3rd Generation Partnership Project;

Technical Specification Group Radio Access Network;

UTRAN Iupc interface layer 1

(Release 16)

 

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# Foreword

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

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Version x.y.z

where:

x the first digit:

1 presented to TSG for information;

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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.

# 1 Scope

The present document specifies the standards allowed to implement Layer 1 on the Iupc interface.

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

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

# 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".

# 3 Definitions, symbols and abbreviations

For the purposes of the present document, the terms and definitions given in 3GPP TS 25.411 [1] apply.

# 4 Iupc Layer 1

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

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 |
| 03/2011 | - | - | - | Creation of Rel-10 version based on v9.0.0 | 10.0.0 |
| 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 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |