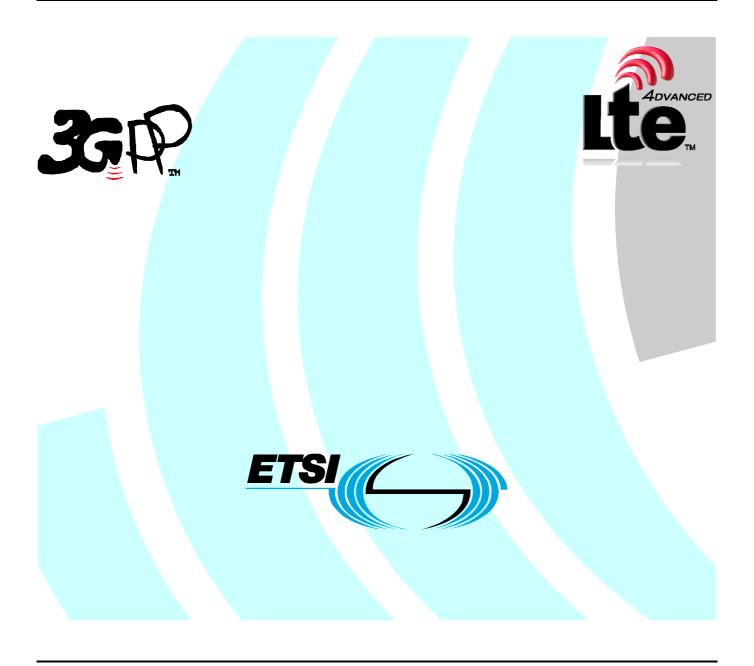
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Technical Specification

LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 layer 1 (3GPP TS 36.421 version 10.0.1 Release 10)



Reference RTS/TSGR-0336421va01 Keywords LTE

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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.

1 Scope

The present document specifies the standards allowed to implement Layer 1 on the X2 interface.

The specification of transmission delay requirements and O&M requirements are 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 36.411: "Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 layer 1".

3 Definitions, symbols and abbreviations

3.1 Definitions

For the purposes of the present document, the definitions given in TS 36.411 [1] apply.

3.2 Symbols

For the purposes of the present document, the symbols given in TS 36.411 [1] apply.

3.3 Abbreviations

For the purposes of the present document, the abbreviations given in TS 36.411 [1] apply.

4 Introduction

The X2 Layer 1 shall comply with the requirements of clauses 5 through 8 in TS 36.411 [1].

Annex A (informative): Change history

| Change history | | | | | | | | |
|----------------|-------|-----------|----|-----|---|--------|--------|--|
| Date | TSG# | TSG Doc. | CR | Rev | Subject/Comment | Old | New | |
| 2007-09 | 37 | RP-070587 | | | specification presented to TSG-RAN for information | 0.0.1 | 1.0.0 | |
| 2007-11 | 38 | RP-070854 | | | specification presented to TSG-RAN for approval | 1.0.0 | 2.0.0 | |
| 2007-12 | 38 | | | | specification approved at TSG-RAN and placed under change control | 2.0.0 | 8.0.0 | |
| 2009-12 | 46 | | | | Upgraded to Release 9 | 8.0.0 | 9.0.0 | |
| 2010-02 | | | | | History section updated | 9.0.0 | 9.0.1 | |
| 2010-12 | | | | | Rel-10 created based on v. 9.0.1 | 9.0.1 | 10.0.0 | |
| 2011-03 | SP-49 | SP-100629 | | | Clarification on the use of References (TS 21.801 CR#0030) | 10.0.0 | 10.0.1 | |
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History

| Document history | | | | | | | | |
|------------------|--------------|-------------------------|--|--|--|--|--|--|
| V10.0.0 | January 2011 | Publication (Withdrawn) | | | | | | |
| V10.0.1 | May 2011 | Publication | | | | | | |
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