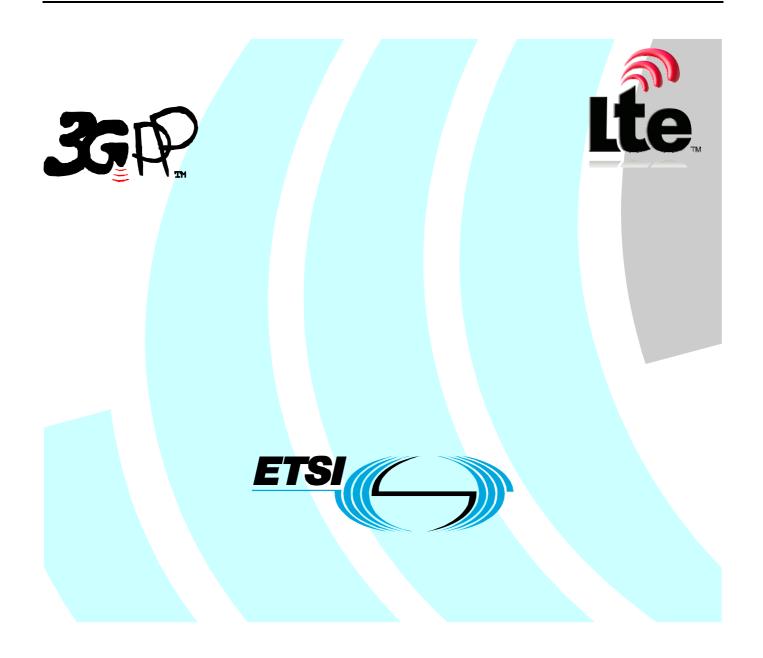
ETSI TS 136 421 V9.0.2 (2011-05)

Technical Specification

LTE; Evolved Universal Terrestrial Radio Access Network (E-UTRAN); X2 layer 1 (3GPP TS 36.421 version 9.0.2 Release 9)



1

Reference RTS/TSGR-0336421v902

Keywords

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Contents

Intelle	ectual Property Rights	2		
Forew	/ord	2		
Forew	/ord	4		
1	Scope	5		
2	References	5		
3	Definitions, symbols and abbreviations Definitions Symbols Abbreviations	5		
3.1	Definitions	5		
3.2	Symbols	5		
3.3	Abbreviations	5		
4	Introduction	.5		
Annex A (informative): Change history				
Histor	 · · · · · · · · · · · · · ·	.7		

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.

5

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 3GPP TS 36.411 [1] apply.

3.2 Symbols

For the purposes of the present document, the symbols given in 3GPP TS 36.411 [1] apply.

3.3 Abbreviations

For the purposes of the present document, the abbreviations given in 3GPP 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].

ETSI TS 136 421 V9.0.2 (2011-05)

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		
2011-03	SP-49	SP-100629			Clarification on the use of References (TS 21.801 CR#0030)	9.0.1	9.0.2		

6

7

History

	Document history								
V9.0.1	February 2010	February 2010 Publication (Withdrawn)							
V9.0.2	May 2011	Publication							