

# ETSI TS 136 461 V14.0.0 (2017-04)



**LTE;  
Evolved Universal Terrestrial Radio Access  
Network (E-UTRAN) and Wireless LAN (WLAN);  
Xw layer 1  
(3GPP TS 36.461 version 14.0.0 Release 14)**



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Reference

RTS/TSGR-0336461ve00

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Keywords

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# Contents

Intellectual Property Rights .....	2
Foreword.....	2
Modal verbs terminology.....	2
Foreword.....	4
1 Scope .....	5
2 References .....	5
3 Definitions, symbols and abbreviations .....	5
3.1 Definitions .....	5
3.2 Symbols.....	5
3.3 Abbreviations .....	5
4 Introduction .....	5
<b>Annex A (informative): Change history .....</b>	<b>6</b>
History .....	7

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# Foreword

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  - 2 presented to TSG for approval;
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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 Xw 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.

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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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[1] 3GPP TS 36.411: "Evolved Universal Terrestrial Radio Access Network (E-UTRAN); S1 layer 1".

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# 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.

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# 4 Introduction

The Xw Layer 1 shall comply with the requirements of clauses 4 through 6 in TS 36.411 [1].

## Annex A (informative): Change history

Change history							
Date	Meeting	TDoc	CR	Rev	Cat	Subject/Comment	New version
2015-08	RAN3#89	R3-151685				Initial Skeleton	0.0.1
2015-10	RAN3#89bis	R3-152200				Initial Skeleton update	0.0.2
2015-10	RAN3#89bis	R3-152192				Layer 1 aspects of the Xw interface	0.1.0
2015-11	RAN3#90	R3-152416				Clean up	0.2.0
2015-12	RAN#70	RP-151742				Submitted for information	1.0.0
2016-01	RAN3#AH	RP-160003				Cover sheet update	1.1.0
2016-02	RAN3#91	RP-160154				Editorials	1.2.0
2016-03	RAN#71	RP-160224				Submitted for approval	2.0.0
2016-03	RAN#71					Upgraded to Rel-13 and placed under change control	13.0.0
2017-03	SA#75					Promotion to Release 14 without technical change	14.0.0

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# History

<b>Document history</b>		
V14.0.0	April 2017	Publication