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**5G;
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Xn layer 1
(3GPP TS 38.421 version 19.0.0 Release 19)**



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Foreword

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Version x.y.z

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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.

1 Scope

The present document specifies the standards allowed to implement layer 1 on the Xn 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.
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[1] 3GPP TS 38.411: "NG-RAN; NG layer 1".

3 Abbreviations

For the purposes of the present document, the abbreviations given in TS 38.411 [1] apply.

4 Introduction

The Xn Layer 1 shall comply with the requirements of clauses 4 through 6 in TS 38.411 [1].

5 Void

6 Void

Annex A (informative): Change history

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	New	
2017-04	R3#95b	R3-171078	-	-	TS skeleton	0.0.0	
2017-04	R3#95b	R3-171314	-	-	Update of the new template and Editor's note	0.0.1	
2017-05	R3#96	R3-171972	-	-	Update of abbreviations and note	0.1.0	
2018-01	R3#NR AH1801	R3-180171	-	-	Update the title of the spec	0.2.0	
2018-06	R3#100	R3-183606			Removal of editor's note	0.3.0	
2018-06	RAN#80	RP-180982			Submitted to RAN plenary for approval.	1.0.0	
2018-06	RAN#80		-	-	- Specification approved at TSG-RAN and placed under change control	15.0.0	
2019-09	RP-85	RP-192167	0002	1	Reference 38.411 and clean up empty sections	15.1.0	
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	
2025-09	SA#109	-	-	-	- Update to Rel-19 version (MCC)	19.0.0	

History

Document history		
V19.0.0	October 2025	Publication