

INTERNATIONAL  
STANDARD

ISO/IEC/  
IEEE  
8802-1CM

First edition  
2019-07

AMENDMENT 1  
2021-10

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**Telecommunications and information  
exchange between information  
technology systems — Requirements  
for local and metropolitan area  
networks —**

Part 1CM:  
**Time-sensitive networking for  
fronthaul**

**AMENDMENT 1: Enhancements to  
fronthaul profiles to support new  
fronthaul interface, synchronization, and  
syntonization standards**

*Télécommunications et échange entre systèmes informatiques —  
Exigences pour les réseaux locaux et métropolitains —*

*Partie 1CM: Réseaux à temps critique pour fronthaul*

*AMENDEMENT 1: Perfectionnement des profils fronthaul pour  
la prise en charge de la nouvelle interface fronthaul, normes de  
synchronisation et de recherche*



Reference number  
ISO/IEC/IEEE 8802-1CM:2019/Amd.1:2021(E)

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**IEEE Std 802.1CMde™-2020**  
(Amendment to IEEE Std 802.1CM™-2018)

**IEEE Standard for  
Local and metropolitan area networks—**

# **Time-Sensitive Networking for Fronthaul**

**Amendment 1: Enhancements to Fronthaul  
Profiles to Support New Fronthaul Interface,  
Synchronization, and Syntonization Standards**

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Approved 4 June 2020

**IEEE SA Standards Board**

# ISO/IEC/IEEE 8802-1CM:2019/Amd.1:2021(E)

**Abstract:** Enhancements to fronthaul profiles are defined in this amendment to IEEE Std 802.1CM™-2018 in order to address new developments in fronthaul interface standards and in related synchronization and syntonization standards.

**Keywords:** amendment, bridged network, CPRI, eCPRI, F1, fronthaul, IEEE 802®, IEEE 802.1™, IEEE 802.1CM™, IEEE 802.1CMde™, synchronization, time-sensitive networking, TSN, Virtual Local Area Network, VLAN, VLAN Bridge

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PDF: ISBN 978-1-5044-6814-5 STD24245  
Print: ISBN 978-1-5044-6815-2 STDPD24245

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## Introduction

This introduction is not part of IEEE Std 802.1CMde-2020, IEEE Standard for local and metropolitan area networks—Time-Sensitive Networking for Fronthaul—Amendment 1: Enhancements to Fronthaul Profiles to Support New Fronthaul Interface, Synchronization, and Syntonization Standards.

This amendment to IEEE Std 802.1CM-2018 defines enhancements to fronthaul profiles in order to address new developments in fronthaul interface standards and in related synchronization and syntonization standards.

The standard contains state-of-the-art material. The area covered by this standard is undergoing evolution. Revisions are anticipated within the next few years to clarify existing material, to correct possible errors, and to incorporate new related material. Information on the current revision state of this and other IEEE 802<sup>®</sup> standards may be obtained from

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