INTERNATIONAL STANDARD

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**AMENDMENT 3**
2021-12

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

## Part 3: Standard for Ethernet

## AMENDMENT 3: Media access control parameters for 50 Gb/s and physical layers and management parameters for 50 Gb/s, 100 Gb/s, and 200 Gb/s operation



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

*Partie 3: Norme pour Ethernet*

*AMENDEMENT 3: Paramètres de commande d'accès media pour 50 Gb/s et couches physiques et paramètres de gestion pour fonctionnement à 50 Gb/s, 100 Gb/s et 200 Gb/s*

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**IEEE Std 802.3cd™-2018**
(Amendment to IEEE Std 802.3™-2018
as amended by IEEE Std 802.3cb™-2018
and IEEE Std 802.3bt™-2018)

# IEEE Standard for Ethernet

# Amendment 3:
# Media Access Control Parameters for 50 Gb/s and Physical Layers and Management Parameters for 50 Gb/s, 100 Gb/s, and 200 Gb/s Operation



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**LAN/MAN Standards Committee**
of the
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**IEEE-SA Standards Board**

**Abstract:** Clause 131 through Clause 140 and Annex 135A through Annex 136D are added to IEEE Std 802.3-2018 by this amendment to specify IEEE 802.3 Media Access Control (MAC) parameters, Physical Layer specifications, and management parameters for the transfer of IEEE 802.3 format frames at 50 Gb/s, 100 Gb/s, and 200 Gb/s.

**Keywords:** 50GAUI-1, 50GAUI-2, 50GBASE-CR, 50GBASE-FR, 50GBASE-KR, 50GBASE-LR, 50GBASE-SR, 50 Gigabit Ethernet, 50GMII, 100GAUI-2, 100GAUI-4, 100GBASE-CR2, 100GBASE-DR, 100GBASE-KR2, 100GBASE-SR2, 100 Gigabit Ethernet, 200GBASE-CR4, 200GBASE-KR4, 200GBASE-SR4, 200 Gigabit Ethernet, amendment, EEE, Energy-Efficient Ethernet, Ethernet, FEC, forward error correction, IEEE 802.3™, IEEE 802.3cd™, LAUI-2, MMF, SMF



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