

INTERNATIONAL  
STANDARD

ISO/IEC/  
IEEE  
8802-3

Second edition  
2017-03-01

AMENDMENT 10  
2019-02

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**Information technology —  
Telecommunications and information  
exchange between systems — Local  
and metropolitan area networks —  
Specific requirements —**

**Part 3:  
Standard for Ethernet**

**AMENDMENT 10: Media access control  
parameters, physical layers, and  
management parameters for 200 Gb/s  
and 400 Gb/s operation**

*Technologies de l'information — Télécommunications et échange  
d'information entre systèmes — Réseaux locaux et métropolitains —  
Prescriptions spécifiques —*

*Partie 3: Norme pour Ethernet*

*AMENDEMENT 10: Paramètres de commande d'accès aux supports,  
couches physiques et paramètres de gestion pour le fonctionnement  
en 200 Gb/s et 400 Gb/s*



Reference number  
ISO/IEC/IEEE 8802-3:2017/Amd.10:2019(E)

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Published in Switzerland

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**IEEE Std 802.3bs™-2017**  
(Amendment to  
IEEE Std 802.3™-2015  
as amended by  
IEEE Std 802.3bw™-2015,  
IEEE Std 802.3by™-2016,  
IEEE Std 802.3bq™-2016,  
IEEE Std 802.3bp™-2016,  
IEEE Std 802.3br™-2016,  
IEEE Std 802.3bn™-2016,  
IEEE Std 802.3bz™-2016,  
IEEE Std 802.3bu™-2016,  
IEEE Std 802.3bv™-2017, and  
IEEE Std 802.3-2015/Cor 1-2017)

# IEEE Standard for Ethernet

## Amendment 10: Media Access Control Parameters, Physical Layers, and Management Parameters for 200 Gb/s and 400 Gb/s Operation

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IEEE Computer Society

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Approved 6 December 2017  
of the  
IEEE-SA Standards Board

2019

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**Abstract:** Clause 116 through Clause 124 and Annex 119A through Annex 120E are added by this amendment to IEEE Std 802.3-2015. This amendment includes IEEE 802.3 Media Access Control (MAC) parameters, Physical Layer specifications, and management parameters for the transfer of IEEE 802.3 format frames at 200 Gb/s and 400 Gb/s.

**Keywords:** 200 Gb/s Ethernet, 200GAUI-4, 200GAUI-8, 200GBASE-DR4, 200GBASE-FR4, 200GBASE-LR4, 200GBASE-R, 200GMII, 200GXS, 400 Gb/s Ethernet, 400GAUI-8, 400GAUI-16, 400GBASE-DR4, 400GBASE-FR8, 400GBASE-LR8, 400GBASE-SR16, 400GBASE-R, 400GMII, 400GXS, EEE, Energy Efficient Ethernet, Ethernet, FEC, forward error correction, IEEE 802.3™, IEEE 802.3bs™, MMF, PAM4, Physical Medium Dependent sublayer, PMD, SMF

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PDF: ISBN 978-1-5044-4450-7 STD22871  
Print: ISBN 978-1-5044-4451-4 STDPD22871

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