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AMENDMENT 7
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**Telecommunications and exchange
between information technology
systems — Requirements for local and
metropolitan area networks —**

Part 3:

Standard for Ethernet

**AMENDMENT 7: Physical layer and
management parameters for 400 Gb/s
over multimode fiber**

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

Partie 3: Norme pour Ethernet

*AMENDEMENT 7: Couche physique et paramètres de gestion pour
400 Gb/s sur fibres multimodales*



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IEEE Std 802.3bt™-2018,
IEEE Std 802.3cd™-2018,
IEEE Std 802.3cn™-2019,
IEEE Std 802.3cg™-2019,
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IEEE Standard for Ethernet

Amendment 7: Physical Layer and Management Parameters for 400 Gb/s over Multimode Fiber

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Abstract: This amendment to IEEE Std 802.3-2018 adds Clause 150. This amendment adds Physical Layer (PHY) specifications and management parameters for 400 Gb/s operation on four pairs (400GBASE-SR4.2) and eight pairs (400GBASE-SR8) of multimode fiber, over reaches of at least 100 m.

Keywords: 400 Gb/s Ethernet, 400 Gigabit Ethernet, 400GBASE-SR8, 400GBASE-SR4.2, amendment, Energy Efficient Ethernet (EEE), Ethernet, Forward Error Correction (FEC), IEEE 802.3™, IEEE 802.3cd, IEEE 802.3cm, Physical Coding Sublayer (PCS), Physical Medium Attachment (PMA) sublayer, Physical Medium Dependent (PMD) sublayer, Reconciliation Sublayer (RS), multimode fiber (MMF)

*This standard is dedicated to the memory of
our friend and colleague Jonathan P. King.*

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