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## **IEEE Publishes 802.3by™ 25 Gb/s Ethernet Standard for Server Interconnectivity**

*Standard amendment defines Ethernet Media Access Control (MAC) parameters, physical layer specifications, and management parameters to transfer Ethernet format frames at 25 Gb/s for server to switch interconnections.*

**PISCATAWAY, NEW JERSEY, USA, XX August 2016** – IEEE, the world's largest technical professional organization dedicated to advancing technology for humanity, and the [IEEE Standards Association \(IEEE-SA\)](#), today announced the publishing and availability of IEEE 802.3by™ Standard for Media Access Control Parameters, Physical Layers and Management Parameters for 25 Gb/s Operation. The new amendment to IEEE Standard 802.3™ represents the first available industry standard developed specifically to address the growing need for increased Ethernet speeds for server interconnects exceeding 10 Gb/s, and one that offers cost-saving advantages over current higher speed Ethernet offerings.

“We have been fortunate to pool the resources of many individuals who’ve demonstrated considerable dedication and commitment to work collaboratively to advance a much sought after standard for 25 Gb/s Ethernet,” said Mark Nowell, chair, IEEE P802.3by 25 Gb/s Ethernet Task Force. “The work of the IEEE P802.3by 25 Gb/s Ethernet Task Force epitomizes how standards development is a key factor in ensuring best practices, and how best to meet the rapid demands of industry as technological advancements are pursued in the respective areas where Ethernet continues to play a growing role.”

IEEE 802.3by supports efficient Ethernet operation and defines single-lane 25 Gb/s PHYs for operation over electrical backplanes, copper twin axial cables with lengths up to 3-5 meters and multimode fiber with lengths up to 100m.

IEEE 802.3by is available for purchase at the IEEE Standards Store.

Deployment of technology defined by IEEE 802® standards is already globally pervasive, driven by the ever-growing needs of data networks around the world. New application areas are constantly being considered that might leverage IEEE 802 standards in their networks from wireless, through twisted-pair cabling, to fiber-optic cabling solutions. To better address the needs of all of these areas, IEEE 802 standards are constantly evolving and expanding. The success of IEEE 802 standards—from their inception through today—has been their fair, open and transparent development process.

To learn more about IEEE-SA, visit us on [Facebook](#), follow us on [Twitter](#), connect with us on [LinkedIn](#) or on the [Standards Insight Blog](#).

#### **About the IEEE Standards Association**

The IEEE Standards Association, a globally recognized standards-setting body within IEEE, develops consensus standards through an open process that engages industry and brings together a broad stakeholder community. IEEE standards set specifications and best practices based on current scientific and technological knowledge. The IEEE-SA has a portfolio of over 1,100 active standards and more than 500 standards under development. For more information visit <http://standards.ieee.org>.

#### **About IEEE**

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