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IEEE Standards Association Announces IEEE 802.3™ Projects to Meet Industry Demands for Higher Ethernet Speeds

Projects leveraging new technologies to advance 50 Gb/s, 100 Gb/s, and 200 Gb/s, and extend reach of 25 Gb/s Ethernet

PISCATAWAY, NEW JERSEY, USA, XX May 2016 – IEEE, the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity, and the [IEEE Standards Association \(IEEE-SA\)](#), today announced the approval of two new IEEE 802.3 projects, as well as a modification to the existing IEEE P802.3bs 400 Gb/s Ethernet project. These projects, approved by the IEEE-SA Standards Board in early May, will address the growing industry demand for additional Ethernet rates for use across a broad range of applications.

“The demand for Ethernet continues to expand rapidly throughout the industry and IEEE is at the forefront of advancing the technology and developing the standards needed to drive Ethernet growth and adoption today and for the future,” said David Law, chair, IEEE 802.3 Ethernet Working Group. “These latest undertakings of the IEEE 802.3 Ethernet Working Group underpin a focus and dedication to enable increased speeds and greater application of Ethernet across networks, and to ensure best practices are implemented through the principles of standardization.”

The IEEE P802.3cc 25 Gb/s over Single-Mode Fiber Task Force will develop new 10km and 40km PHYs over single-mode fiber for 25 Gb/s Ethernet. The IEEE P802.3cd 50 Gb/s Ethernet, 100 Gb/s Ethernet and 200 Gb/s Ethernet Task Force will develop 50 Gb/s Ethernet as well as a set of PHYs for 50 Gb/s Ethernet, 100 Gb/s Ethernet and 200 Gb/s Ethernet that leverage

common 50 Gb/s signaling optical and electrical technologies. Both Copper and multimode fiber PHYS will be developed for all three Ethernet rates as well as single mode fiber PHYs for 50 Gb/s Ethernet. The IEEE P802.3bs 400 Gb/s Ethernet project modification will expand the project to include 200 Gb/s Ethernet and 200 Gb/s single-mode fiber PHYs within its scope.

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.

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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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