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IEEE Publishes Standard Amendment for YANG Data Models in Bridged Networks

IEEE 802.1Qcp™-2018 enables state-of-the-art network management and configuration of bridging equipment through YANG data models in support of the evolution towards programmable networks.

PISCATAWAY, NJ, XX March 2019 – 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 802.1Qcp-2018—IEEE Standard for Local and metropolitan area networks—Bridges and Bridged Networks—YANG Data Model. YANG is a formalized data modeling language that can be used by widely accepted protocols used to simplify network configuration such as NETCONF and RESTCONF. Development of a YANG data model for manageable entities specified in IEEE 802.1Q™ leverages the flexibility and extensibility of YANG to ensure interoperability, helping to streamline industry network management practices and save on time and costs.

“IEEE 802.1Qcp enables state-of-the-art network management and configuration of bridging equipment through YANG data models, enabling dynamic network programmability,” said John Messenger, acting chair, IEEE 802.1 Working Group. “The standard amendment builds upon an industry-wide recognition that YANG has emerged as the basis for ensuring interoperability for next-generation network management systems.”

IEEE 802.1Qcp 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 based upon their fair, open and transparent development process.

To learn more about IEEE-SA or about any of its multitude of market initiatives visit us on Facebook, follow us on Twitter, connect with us on LinkedIn or on the Beyond Standards Blog.

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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 1,200 active standards and more than 650 standards under development. For more information visit http://standards.ieee.org.

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