INTERNATIONAL STANDARD

ISO/IEC/IEEE 8802-1Q

Second edition
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Telecommunications and exchange between information technology systems — Requirements for local and metropolitan area networks —

Part 1Q:
Bridges and bridged networks

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

Partie 1Q: Ponts et réseaux pontés

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This second edition cancels and replaces the first edition (ISO/IEC/IEEE 8802-1Q:2016), which has been technically revised. It also incorporates the Amendments ISO/IEC/IEEE 8802-1Q:2016/Amd.1:2017, ISO/IEC/IEEE 8802-1Q:2016/Amd.2:2018, ISO/IEC/IEEE 8802-1Q:2016/Amd.3:2017, ISO/IEC/IEEE 8802-1Q:2016/Amd.4:2017, ISO/IEC/IEEE 8802-1Q:2016/Amd.5:2017, ISO/IEC/IEEE 8802-1Q:2016/Amd.6:2019, ISO/IEC/IEEE 8802-1Q:2016/Amd.7:2019 and the Corrigendum ISO/IEC/IEEE 8802-1Q:2016/Cor.1:2017.

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IEEE Std 802.1Q™-2018
(Revision of
IEEE Std 802.1Q-2014)

IEEE Standard for
Local and Metropolitan Area Networks—

Bridges and Bridged Networks

Sponsor

LAN/MAN Standards Committee
of the
IEEE Computer Society

Approved 7 May 2018

IEEE-SA Standards Board

Abstract: This standard specifies how the Media Access Control (MAC) Service is supported by Bridged Networks, the principles of operation of those networks, and the operation of MAC Bridges and VLAN Bridges, including management, protocols, and algorithms.

Keywords: Bridged Network, IEEE 802.1Q™, LAN, local area network, MAC Bridge, metropolitan area network, MSTP, Multiple Spanning Tree Protocol, Rapid Spanning Tree Protocol, RSTP, PBN, Provider Bridged Network, Shortest Path Bridging Protocol, SPB Protocol, Time-Sensitive Networking, TSN, Virtual Bridged Network, virtual LAN, VLAN Bridge

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