
**Information technology —
Telecommunications and information
exchange between systems — Local and
metropolitan area networks — Specific
requirements —**

**Part 1Q:
Bridges and bridged networks**

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*Technologies de l'information — Télécommunications et échange
d'information entre systèmes — Réseaux locaux et métropolitains —
Exigences spécifiques*

Partie 1Q: Ponts et réseaux pontés

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ISO/IEC/IEEE 8802 consists of the following parts, under the general title *Information technology — Telecommunications and information exchange between systems — Local and metropolitan area networks — Specific requirements*

- *Part 1: Overview of Local Area Network Standards*
- *Part 2: Logical link control*
- *Part 5: Token ring access method and physical layer specifications*
- *Part 11: Wireless LAN medium access control (MAC) and physical layer (PHY) specifications*
- *Part 1X: Port-based network access control*
- *Part 1AB: Station and media access control connectivity discovery*

- *Part 1AE: Media access control (MAC) security*
- *Part 1AR: Secure device identity*
- *Part 1AS: Timing and synchronization for time-sensitive applications in bridged local area networks*
- *Part 15-4: Wireless medium access control (MAC) and physical layer (PHY) specifications for low-rate wireless personal area networks (WPANs)*

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IEEE Standard for Local and metropolitan area networks— Bridges and Bridged Networks

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IEEE Std 802.1Q™-2014

(Revision of
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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 networks, MSTP, Multiple Spanning Tree Protocol, Rapid Spanning Tree Protocol, RSTP, PBN, Provider Bridged Network, Shortest Path Bridging Protocol, SPB Protocol, Virtual Bridged Network, virtual LAN, VLAN Bridge

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IEEE Std 802.1Q-2005	7 December 2005	Tony Jeffree , <i>Chair and Editor</i> Paul Congdon , <i>Vice Chair</i> Mick Seaman , <i>Chair, Interworking Task Group</i>
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