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AMENDMENT 2
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Information technology — Telecommunications and information exchange between systems — Local and metropolitan area networks — Specific requirements —

Part 1Q: Bridges and bridged networks

AMENDMENT 2: Application virtual local area network (VLAN) type, length, value (TLV)

Technologies de l'information — Télécommunications et échange d'information entre systèmes — Réseaux locaux et métropolitains — Exigences spécifiques —
Partie 1Q: Ponts et réseaux pontés

AMENDEMENT 2: Type, longueur, valeur (TLV) pour applications de réseaux locaux virtuels (VLAN)

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IEEE Std 802.1Qcd™-2015
(Amendment to
IEEE Std 802.1Q™-2014)

IEEE Standard for
Local and metropolitan area networks—

Bridges and Bridged Networks

Amendment 23: Application Virtual Local Area Network (VLAN) Type, Length, Value (TLV)

Sponsor

LAN/MAN Standards Committee
of the
IEEE Computer Society

Approved 16 February 2015

IEEE SA-Standards Board

Abstract: Enhancements to the set of TLVs used by the Data Center Bridging eXchange protocol (DCBX) for the purpose of simplifying the management of networks utilizing Data Center Bridging (DCB) features are defined in this amendment to IEEE Std 802.1Q-2014.

Keywords: Bridged Networks, Data Center Bridging (DCB), Data Center Bridging eXchange protocol (DCBX), IEEE 802®, IEEE 802.1Q™, IEEE 802.1Qcd™, local area networks (LANs), MAC Bridges, metropolitan area networks, Virtual Bridged Networks (virtual LANs), VLAN Bridges

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Introduction

This introduction is not part of IEEE Std 802.1Qcd™-2015, IEEE Standard for Local and metropolitan area networks—Bridges and Bridged Networks—Amendment 23: Application Virtual Local Area Network (VLAN) Type, Length, Value (TLV).

This amendment specifies the protocols, procedures, and management objects for an Application Virtual Local Area Network (VLAN) identifier (ID) Type, Length, Value (TLV) within the Data Center Bridging eXchange protocol (DCBX) defined in IEEE Std 802.1Q. This standard also specifies minor extensions and editorial corrections to the Application Priority TLV.

This standard contains state-of-the-art material. The area covered by this standard is undergoing evolution. Revisions are anticipated within the next few years to clarify existing material, to correct possible errors, and to incorporate new related material. Information on the current revision state of this and other IEEE 802 standards may be obtained from

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