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Part 1Q: Bridges and bridged networks

AMENDMENT 3: Virtual station interface (VSI) discovery and configuration protocol (VDP) extension to support network virtualization overlays over layer 3 (NVO3)

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

Partie 1Q: Ponts et réseaux pontés

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IEEE Std 802.1Qcy™-2019
(Amendment to IEEE Std 802.1Q™-2018
as amended by IEEE Std 802.1Qcp™-2018
and IEEE Std 802.1Qcc™-2018)

IEEE Standard for
Local and Metropolitan Area Networks—

Bridges and Bridged Networks

Amendment 32: Virtual Station Interface (VSI) Discovery and Configuration Protocol (VDP) Extension to Support Network Virtualization Overlays Over Layer 3 (NVO3)

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Approved 21 March 2019

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Abstract: Extensions to the Virtual Station Interface (VSI) Discovery and Configuration Protocol (VDP) to support using the protocol between an end station and a device doing encapsulation/ decapsulation for Network Virtualization Overlays Over Layer 3 (NVO3) are specified in this amendment to IEEE Std 802.1Q-2018. The extensions include adding format types [e.g., Internet Protocol (IP) addresses] and enhancing indication of migration events.

Keywords: amendment, IEEE 802.1Q™, IEEE 802.1Qcy™, NVO3, VDP extension, VDP IP address extension

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Introduction

This introduction is not part of IEEE Std 802.1Qcy-2019, IEEE Standard for Local and Metropolitan Area Networks—Bridges and Bridged Networks—Amendment 32: Virtual Station Interface (VSI) Discovery and Configuration Protocol (VDP) Extension to Support Network Virtualization Overlays over Layer 3 (NVO3).

This amendment to IEEE Std 802.1Q-2018 provides extensions to the Virtual Station Interface (VSI) Discovery and Configuration Protocol (VDP) to support using the protocol between an end station and a device doing encapsulation/decapsulation for Network Virtualization Overlays Over Layer 3 (NVO3). The extensions include adding format types [e.g., Internet Protocol (IP) addresses] and enhancing indication of migration events.

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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