

P802.1Qcn

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Type of Project: Amendment to IEEE Standard 802.1Q-2014

PAR Request Date: 10-Jun-2015

PAR Approval Date:

PAR Expiration Date:

Status: Unapproved PAR, PAR for an Amendment to an existing IEEE Standard

1.1 Project Number: P802.1Qcn

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Title: Standard for Local and metropolitan area networks--Bridges and Bridged Networks

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

3.1 Working Group: Higher Layer LAN Protocols Working Group (C/LM/WG802.1)

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3.2 Sponsoring Society and Committee: IEEE Computer Society/LAN/MAN Standards Committee (C/LM)

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4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 09/2017

4.3 Projected Completion Date for Submittal to RevCom: 05/2018

5.1 Approximate number of people expected to be actively involved in the development of this project: 15

5.2.a. Scope of the complete standard: This standard specifies Bridges that interconnect individual LANs, each supporting the IEEE 802 MAC

Service using a different or identical media access control method, to provide Bridged Networks and VLANs.

5.2.b. Scope of the project: This standard specifies extensions to VDP to support using the protocol between an end station and a device doing encapsulation/decapsulation for NVO3. The extensions will include adding format types that include Internet Protocol (IP) addresses and enhancing indication of migration events.

5.3 Is the completion of this standard dependent upon the completion of another standard: No

5.4 Purpose: Bridges, as specified by this standard, allow the compatible interconnection of information technology equipment attached to separate individual LANs.

5.5 Need for the Project: This amendment extends VDP protocol to fulfill the requirements for the control plane protocol between the virtualized end device (end station) and the external network virtualization edge (e.g. bridge or router) in an NVO3 network.

5.6 Stakeholders for the Standard: Developers, providers, and users of networking equipment and services, including networking IC developers, switch and NIC vendors, service providers, and end users.

Intellectual Property

6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: No

6.1.b. Is the Sponsor aware of possible registration activity related to this project?: No

7.1 Are there other standards or projects with a similar scope?: No

7.2 Joint Development

Is it the intent to develop this document jointly with another organization?: No

8.1 Additional Explanatory Notes (Item Number and Explanation):