

P802.1Q

Submitter Email:

Type of Project: Revision to IEEE Standard 802.1Q-2018

Project Request Type: Initiation / Revision

PAR Request Date:

PAR Approval Date:

PAR Expiration Date:

PAR Status: Draft

Root Project: 802.1Q-2018

1.1 Project Number: P802.1Q

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Project Title: Standard for Local and Metropolitan Area Networks--Bridges and Bridged Networks

Change To Title: ~~IEEE~~ Standard for Local and Metropolitan Area Networks--Bridges and Bridged Networks

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

3.1.1 Contact Information for Working Group Chair:

Name: Glenn Parsons

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3.1.2 Contact Information for Working Group Vice Chair:

Name: John Messenger

Email Address: j.l.messenger@ieee.org

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

3.2.1 Contact Information for Standards Committee Chair:

Name: Paul Nikolich

Email Address: p.nikolich@ieee.org

3.2.2 Contact Information for Standards Committee Vice Chair:

Name: James Gilb

Email Address: gilb@ieee.org

3.2.3 Contact Information for Standards Representative:

Name: James Gilb

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4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE SA for Initial Standards Committee Ballot:

Nov 2020

4.3 Projected Completion Date for Submittal to RevCom: May 2021

5.1 Approximate number of people expected to be actively involved in the development of this project: 80

5.2 Scope of proposed 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.

5.3 Is the completion of this standard contingent upon the completion of another standard? Yes
Change to Is the completion of this standard contingent upon the completion of another standard? ~~No~~ Yes

Explanation: This is a maintenance roll-up of 802.1Q-2018 with the amendments of 802.1Qcc, 802.1Qcp & 802.1Qcy. Depending on their progress to approval, P802.1Qcr, P802.1Qcx, P802.1Qcw or other amendments in progress may also be included.

Change to Explanation: This is a maintenance roll-up of 802.1Q-2018 with the amendments of 802.1Qcc, 802.1Qcp & 802.1Qcy. Depending on their progress to approval, P802.1Qcr, P802.1Qcx, P802.1Qcw or other amendments in progress may also be included.

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 revision project is needed in order to incorporate approved amendments and corrigenda, to incorporate maintenance items from the 802.1 Maintenance Process and to ensure that

consistency is maintained in the consolidated text.

5.6 Stakeholders for the Standard: Manufacturers, distributors, vendors, and users of Virtual LAN bridging equipment and components thereof.

6.1 Intellectual Property

6.1.1 Is the Standards Committee aware of any copyright permissions needed for this project?

No

6.1.2 Is the Standards Committee aware of possible registration activity related to this project?

Yes

Explanation: There are existing RA registries defined by 802.1Q. There are no planned additions with this revision.

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

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

8.1 Additional Explanatory Notes : 5.3:

802.1Qcp-2018 - Amendment 30: YANG Data Model Improvements

802.1Qcy-2019 - Amendment 32: Virtual Station Interface (VSI) Discovery and Configuration Protocol (VDP) Extension to Support Network Virtualization Overlays Over Layer 3 (NVO3)

P802.1Qcr – Bridges and Bridged Networks Amendment: Asynchronous Traffic Shaping

P802.1Qcw – YANG Data Models for Scheduled Traffic, Frame Preemption, and Per-Stream Filtering and Policing

P802.1Qcx – YANG Data Model for Connectivity Fault Management