

802.1Qxy PAR and Criteria for Standards Development for Quality of Service Provision for Non-Bridges

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Introduction

- See [new-finn-non-bridge-queuing-0917-v01](#) for a rationale for this PAR and CSD.

PAR header

- **Type of Project:** Amendment to IEEE Standard 802.1Q-2014
- **PAR Request Date:** 10-Mar-2018
- **PAR Approval Date:**
- **PAR Expiration Date:** 31-Mar-2022
- **Status:** PAR for an Amendment to an existing IEEE Standard
- **1.1 Project Number:** P802.1Qxy
- **1.2 Type of Document:** Standard
- **1.3 Life Cycle:** Full Use

PAR title

- **2.1 Title:** Standard for Local and Metropolitan Area Networks-Amendment: Quality of Service Provision for non-Bridges

PAR lifecycle

- 4.1 Type of Ballot: **Individual**
- 4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: **01/2020**
- 4.3 Projected Completion Date for Submittal to RevCom
Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: **10/2020**
- 5.1 Approximate number of people expected to be actively involved in the development of this project: **40**

PAR scope of complete standard

- **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.

PAR scope of project

- **5.2.b. Scope of the project:** This project specifies procedures and managed objects for a system, which is not a Bridge, to employ the Quality of Service features specified in IEEE Std 802.1Q-2018, sections 8.6.5 through 8.6.9, 34, 36, and 37.

PAR Purpose (of 802.1Q)

- **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.

PAR Need (for this amendment)

- **5.5 Need for the Project:** IEEE Std 802.1Q have defines various Quality of Service (QoS) techniques. Especially those that support Time-Sensitive Networking (TSN), on Bridges. These QoS techniques are applicable to non-Bridges (e.g., end stations, routers, or firewall appliances) as well as Bridges, but their current specifications are in a form that is applicable only to a Bridge.

PAR Stakeholders

- **5.6 Stakeholders for the Standard:** Software developers, networking integrated circuit developers, and developers and users of networking services and equipment, for streaming of time-sensitive data. Such equipment includes bridges, end stations, hosts, routers, and other packet relay devices.

PAR Other

- 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

Thank you