P802.1Qdq

This PAR is valid until 31-Dec-2025.

PAR Extension Request Date:
PAR Extension Approval Date:
Number of Previous Extensions Requested: 0

1. Number of years that the extension is being requested: 2
2. Why an Extension is Required (include actions to complete): ~~Due to unforeseen~~ The editor's unavailability caused delays in the progress of the project; hence, we could not complete the ~~P802.1Qdq~~ project by the PAR expiration date ~~of the original P802.1Qdq PAR~~. We expect Working Group balloting to be completed in September 2025, and we expect to start the initial Standard Association ballot in November 2025. ~~Furthermore, and as a consequence, the completion of this project now depends on the completion of the ongoing revision project for the base standard.~~
3.1. What date did you begin writing the first draft: 21 Sep 2021
3.2. How many people are actively working on the project:23
3.3. How many times a year does the working group meet?
In person: 6
Via teleconference: 20
3.4. How many times a year is a draft circulated to the working group: 2
3.5. What percentage of the Draft is stable: 90%
3.6. How many significant work revisions has the Draft been through: 7
4. When will/did initial Standards Association Balloting begin: Nov 2025

When do you expect to submit the proposed standard to RevCom: Mar 2027
Has this document already been adopted by another source? (if so please identify) No

For an extension request, the information on the original PAR below is not open to modification.

Type of Project: Amendment to IEEE Standard 802.1Q-2022
Project Request Type: Initiation / Amendment
PAR Request Date: 18 Mar 2021
PAR Approval Date: 21 May 2021
PAR Expiration Date: 31 Dec 2025
PAR Status: Active
Root Project: 802.1Q-2022

1.1 Project Number: P802.1Qdq
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 Amendment: Shaper Parameter Settings for Bursty Traffic Requiring Bounded Latency

3.1 Working Group: Higher Layer LAN Protocols Working Group(C/LAN/MAN/802.1 WG)
3.1.1 Contact Information for Working Group Chair:
Name: Glenn Parsons
Email Address: glenn.parsons@ericsson.com
3.1.2 Contact Information for Working Group Vice Chair:
Name: Jessy Rouyer
Email Address: jessy.rouyer@nokia.com
3.2 Society and Committee: IEEE Computer Society/LAN/MAN Standards Committee(C/LAN/MAN)
3.2.1 Contact Information for Standards Committee Chair:
Name: James Gilb
Email Address: gilb_ieee@tuta.com
3.2.2 Contact Information for Standards Committee Vice Chair:
Name: David Halasz
Email Address: dave.halasz@ieee.org
3.2.3 Contact Information for Standards Representative:
Name: George Zimmerman
Email Address: george@cmephyconsulting.com

4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE SA for Initial Standards Committee Ballot: Mar 2022
4.3 Projected Completion Date for Submittal to RevCom: Nov 2022

5.1 Approximate number of people expected to be actively involved in the development of this project: 30
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 amendment adds an informative annex that describes recommended shaper parameter settings for bursty traffic requiring bounded latency.

5.3 Is the completion of this standard contingent 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: Many networks serve traffic with a variety of characteristics including bursty traffic, such as the one generated from Internet of Things (IoT) devices, which requires traffic to be conveyed between end stations with bounded latency. Shaping is needed to mitigate the impact of a temporarily high network load caused by this bursty traffic that shares a port with other traffic, and to reduce over-provisioning of bandwidth reservation, while ensuring its delivery within its delivery time tolerance.
5.6 Stakeholders for the Standard: Developers, providers, and users of networking services and equipment for systems requiring bursty traffic to be delivered with bounded latency.

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? No

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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

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8.1 Additional Explanatory Notes: None