P802.1Qcw

This PAR is valid until 31-Dec-2021.

PAR Extension Request Date:
PAR Extension Approval Date:
Extension Request Submitter Email:
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): Finishing P802.1Qcw is gated by the ongoing P802.1Q-Rev revision project of the base standard.
The last Working Group recirculation ballot completed on March 31, 2021.
Actions to complete include initiating a WG recirculation ballot in mid-2021 and then conducting the Standards Association Ballot.
Even though submittal to RevCom is anticipated for March 2022, a two year extension is being requested in case more time is needed to complete the project.
3.1. What date did you begin writing the first draft: 09 Jul 2018
3.2. How many people are actively working on the project:35
3.3. How many times a year does the working group meet?
In person: 6
Via teleconference: 40
3.4. How many times a year is a draft circulated to the working group: 3
3.5. What percentage of the Draft is stable: 95%
3.6. How many significant work revisions has the Draft been through: 6
4. When will/did initial Standards Association Balloting begin: Nov 2021

When do you expect to submit the proposed standard to RevCom: Mar 2022
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.

Submitter Email: glenn.parsons@ericsson.com
Type of Project: Amendment to IEEE Standard 802.1Q-2014
Project Request Type: Initiation / Amendment
PAR Request Date: 18 Jul 2017
PAR Approval Date: 28 Sep 2017
PAR Expiration Date: 31 Dec 2021
PAR Status: Active
Root Project: 802.1Q-2014

1.1 Project Number: P802.1Qcw
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: YANG Data Models for Scheduled Traffic, Frame Preemption, and Per-Stream Filtering and Policing

3.1 Working Group: Higher Layer LAN Protocols Working Group(C/LM/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/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
Email Address: gilb@ieee.org

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: Oct 2021

5.1 Approximate number of people expected to be actively involved in the development of this project: 20
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 specifies a Unified Modeling Language (UML)-based information model and YANG data models that allow configuration and status reporting for bridges and bridge components (as specified by this standard) with the capabilities currently specified in clauses 12.29 (scheduled traffic), 12.30 (frame preemption) and 12.31 (per-stream filtering and policing) of this standard. It further defines the relationship between the information and data model and models for the other management capabilities specified in this standard. Additionally, this amendment will address errors or omissions to existing features related to the aforementioned clauses.

5.3 Is the completion of this standard contingent upon the completion of another standard? Yes
Explanation: P802.1Qcw builds upon the YANG Data Model being specified by IEEE P802.1Qcp, which cannot be approved until the maintenance revision of IEEE P802.1Q is approved.
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: YANG (RFC 7950) is a formalized data modeling language that is widely accepted and can be used to simplify network configuration. The ability to manage Scheduled Traffic, Frame Preemption, and Per-Stream Filtering and Policing via YANG models is needed for compatibility with modern network management systems.
5.6 Stakeholders for the Standard: Developers, providers, and users of networking services and equipment.

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: The YANG Data Model will be assigned a URN based on the RA URN tutorial and IEEE Std 802d.

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: #2.1 While 'YANG' (developed by the Internet Engineering Task Force) appears to be an acronym its expansion 'Yet Another Next Generation' is not meaningful. It is vital that 'YANG' appear in the project title to inform potential participants and the target readership of the amendment.
#5.3 IEEE P802.1Q-Rev Bridges and Bridged Networks
IEEE P802.1Qcp Bridges and Bridged Networks - Amendment: YANG Data Model
#5.5 RFC 7950 The YANG 1.1 Data Modeling Language
#6.1.b IEEE Std 802d IEEE Standard for Local and Metropolitan Area Networks: Overview and Architecture Amendment 1: Allocation of Uniform Resource Name (URN) Values in IEEE 802 Standards
RA URN tutorial: http://standards.ieee.org/develop/regauth/tut/ieeeurn.pdf
RA - Registration Authority
URN - Uniform Resource Name