P802.1CQ

This PAR is valid until 31-Dec-2022. It was extended on 03-Jun-2020.

PAR Extension Request Date: 07 Apr 2020
PAR Extension Approval Date: 03 Jun 2020
Extension Request Submitter Email: glenn.parsons@ericsson.com
Number of Previous Extensions Requested: 1

1. Number of years that the extension is being requested: 2
2. Why an Extension is Required (include actions to complete): The extension is being requested well before the PAR expiration because of the low probability that it will be completed before then. The current expectation is to initiate Task Group ballot in July 2020 and a Working Group ballot in November 2020. This plan will allow for four months to complete Working Group ballot. The numbers below are estimates based on anticipated activity once Working Group letter ballot begins.
3.1. What date did you begin writing the first draft: 11 Sep 2019
3.2. How many people are actively working on the project: 15
3.3. How many times a year does the working group meet?
   In person: 6
   Via teleconference: 6
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: 40%
3.6. How many significant work revisions has the Draft been through: 2
4. When will/did initial Standards Association Balloting begin: Mar 2021

When do you expect to submit the proposed standard to RevCom: Dec 2021
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: New IEEE Standard
Project Request Type: Initiation / New
PAR Request Date: 13 Nov 2015
PAR Approval Date: 05 Feb 2016
PAR Expiration Date: 31 Dec 2022
PAR Status: Active

1.1 Project Number: P802.1CQ
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Project Title: Standard for Local and Metropolitan Area Networks: Multicast and Local Address Assignment

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: 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

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:
Jul 2017
4.3 Projected Completion Date for Submittal to RevCom: Feb 2018

5.1 Approximate number of people expected to be actively involved in the development of this project: 15
5.2 Scope of proposed standard: This standard specifies protocols, procedures, and management objects for locally-unique assignment of 48-bit and 64-bit addresses in IEEE 802 networks. Peer-to-peer address claiming and address server capabilities are specified.

5.3 Is the completion of this standard contingent upon the completion of another standard? Yes
Explanation: IEEE P802c Standard for Local and Metropolitan Area Networks: Overview and Architecture Amendment: Local Media Access Control (MAC) Address Usage
5.4 Purpose: This document will not include a purpose clause.
5.5 Need for the Project: Currently, global addresses are assigned to most IEEE 802 end station and bridge ports. Increasing use of virtual machines and Internet of Things (IoT) devices could exhaust the global address space. To provide a usable alternative to global addresses for such devices, this project will define a set of protocols that will allow ports to automatically obtain a locally-unique address in a range from a portion of the local address space. Multicast flows also need addresses to identify the flows. They will benefit from a set of protocols to distribute multicast addresses. Peer-to-peer address claiming and address server capabilities will be included to serve the needs of smaller (e.g. home) and larger (e.g. industrial plants and building control) networks.
5.6 Stakeholders for the Standard: Developers, providers, and users of networking services and equipment for IoT (including Industrial Automation, Transportation networking, Smart Grid) and of operating systems, hypervisors and orchestration systems for virtual machines. This includes software developers, networking equipment vendors, and users.

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: This protocol may require coordination with the IEEE Registration
    Authority.

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 :