

P802.1Qcj

Submitter Email: gparsons@ieee.org

Type of Project: Amendment to IEEE Standard 802.1Q-2014

PAR Request Date: 14-Mar-2015

PAR Approval Date: 11-Jun-2015

PAR Expiration Date: 31-Dec-2019

Status: PAR for an Amendment to an existing IEEE Standard

Root Project: 802.1Q-2014

1.1 Project Number: P802.1Qcj

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Title: Standard for Local and Metropolitan Area Networks -- Bridges and Bridged Networks Amendment: Automatic Attachment to Provider Backbone Bridging (PBB) services

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

Contact Information for Working Group Chair

Name: Glenn Parsons

Email Address: gparsons@ieee.org

Phone: 613-963-8141

Contact Information for Working Group Vice-Chair

Name: John Messenger

Email Address: jmessenger@advaoptical.com

Phone: +441904699309

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

Contact Information for Sponsor Chair

Name: Paul Nikolich

Email Address: p.nikolich@ieee.org

Phone: 857.205.0050

Contact Information for Standards Representative

Name: James Gilb

Email Address: gilb@ieee.org

Phone: 858-229-4822

4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 01/2017

4.3 Projected Completion Date for Submittal to RevCom: 10/2017

5.1 Approximate number of people expected to be actively involved in the development of this project: 35

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 standard specifies the protocols, procedures and management objects for auto-attachment of network devices to Provider Backbone service instances by using Type, Length, Value (TLVs) within the Link Layer Discovery Protocol (LLDP)

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.

5.5 Need for the Project: This amendment simplifies the deployment and administration of PBB networks, e.g. controlled by Shortest Path Bridging (SPB), by allowing for automatic configuration of the virtual LANs and service identifiers, thus allowing access to services of network devices without the need of manual configuration.

5.6 Stakeholders for the Standard: Developers, providers, and users of networking services and equipment such as software developers, bridge and NIC vendors, network operators and users.

Intellectual Property

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

8.1 Additional Explanatory Notes (Item Number and Explanation):