

P802.1Qbc

Submitter Email: tony@jeffree.co.uk

Type of Project: Amendment to IEEE Standard 802.1Q-2005

PAR Request Date: 19-Jul-2009

PAR Approval Date: 11-Sep-2009

PAR Expiration Date: 31-Dec-2013

Status: PAR for an Amendment to an existing IEEE Standard 802.1Q-2005

Project Record: 802.1Q

1.1 Project Number: P802.1Qbc

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Title: IEEE Standard for Local and Metropolitan Area Networks---Virtual Bridged Local Area Networks Amendment: Provider Bridging - Remote Customer Service Interfaces

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

Contact Information for Working Group Chair

Name: Anthony Jeffree

Email Address: tony@jeffree.co.uk

Phone: +44-161-973-4278

Contact Information for Working Group Vice-Chair

Name: Paul Congdon

Email Address: paul.congdon@hp.com

Phone: 916-785-5753

3.2 Sponsoring Society and Committee: IEEE Computer Society/Local and Metropolitan Area Networks (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

None

4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 01/2013

4.3 Projected Completion Date for Submittal to RevCom: 08/2013

5.1 Approximate number of people expected to be actively involved in the development of this project: 25

5.2 Scope: This standard allows a service-tagged (S-tagged) service interface connecting two independently administered Provider Bridged Networks to be used to handle traffic (identified by a single service virtual local area network (S-VLAN) identifier) for a given customer port attached to one provider backbone network (PBN) as if the customer were directly attached to the other PBN using a Port-based or customer tagged (C-tagged) service interface.

5.3 Is the completion of this standard dependent upon the completion of another standard: No

5.4 Purpose: Metro Ethernet service providers need to provide service to customer locations not directly accessible to their network. Such out-of-footprint access may be obtained via other (access) service providers; however, the primary service provider has an interest in minimizing the amount of provisioning required of an access provider. This standard meets this need by specifying Provider Bridging technology that allows the primary service provider to treat customers connected via an access network as if they were directly connected to the primary service provider's network.

5.5 Need for the Project: Metro Ethernet service providers need standardized Provider Bridge functionality that allows customers connected via an independently operated access network to be provided service as if they were directly connected to the service provider's network.

5.6 Stakeholders for the Standard: Developers and users of networking equipment and services for Provider network environments including networking integrated circuit (IC) developers, switch and network interface card (NIC) vendors.

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 International Activities

a. Adoption

Is there potential for this standard (in part or in whole) to be adopted by another national, regional or international organization?: No

b. Joint Development

Is it the intent to develop this document jointly with another organization?: No

c. Harmonization

Are you aware of another organization that may be interested in portions of this document in their standardization development efforts?: No

8.1 Additional Explanatory Notes (Item Number and Explanation):