

[Email This Letter](#)

09 May 2007

Paul Nikolich
18 Bishops Lane
Lynnfield, MA 01940
p.nikolich@ieee.org

Re: P802.1Qay - IEEE Standard for Local and Metropolitan Area Networks---Virtual Bridged Local Area Networks - Amendment: Provider Backbone Bridge Traffic Engineering

Dear Paul:

I am pleased to inform you that on 07 May 2007 the IEEE-SA Standards Board approved the above referenced project until 31 December 2011. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/802-1Qay.pdf>.

Now that your project has been approved, please forward a roster of participants involved in the development of this project. This request is in accordance with the IEEE-SA Operations Manual, Clause 5.1.2i under Duties of the Sponsor which states:

"Submit annually to the IEEE Standards Department an electronic roster of individuals participating on standards projects"

For your convenience, an Excel spreadsheet for your use has been posted on our website at <http://standards.ieee.org/guides/par/roster.xls>. Please forward this list to me via e-mail at s.hampton@ieee.org no later than 05 August 2007.

Please visit our website, IEEE Standards Development Online (<http://standards.ieee.org/resources/development/index.html>), for tools, forms and training to assist you in the standards development process. Also, we strongly recommend that a copy of your draft be sent to this office for review prior to the final vote by the working group to allow for a quick review by editorial staff before sponsor balloting begins.

If you should have any further questions, please contact me at +1 732 562 6003 or by email at s.hampton@ieee.org.

Sincerely,

Sherry Hampton
Administrator, Governance
Standards Activities
Phone +1 732 562 6003
FAX +1 732 875 0695
Email: s.hampton@ieee.org

CC: tony@jeffree.co.uk BCC: s.hampton@ieee.org, t.t.lee@ieee.org

myProject™ - P802.1Qay PAR Detail

Submitter Email: tony@jeffree.co.uk

Type of Project: Amendment to IEEE Standard

PAR Request Date: 19-Mar-2007

PAR Approval Date: 07-May-2007

PAR Expiration Date: 31-Dec-2011

PAR Signature Page on File: Yes

Status: Amendment to an Existing IEEE Standard, Std 802.1Q-2005

Project: 802.1Q

Root Project: 802.1Q-2005

1.1 Project Number: P802.1Qay

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

1.4 Is this project in ballot now? No

2.1 Title: IEEE Standard for Local and Metropolitan Area Networks---Virtual Bridged Local Area Networks - Amendment: Provider Backbone Bridge Traffic Engineering

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

Contact Information for Working Group Chair

Anthony Jeffree

Email: tony@jeffree.co.uk

Phone: +44-161-973-4278

Contact Information for Working Group Vice-Chair

Paul Congdon

Email: 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

Paul Nikolich

Email: 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 for Initial Sponsor Ballot: 08/2010

4.3 Projected Completion Date for Submittal to RevCom: 02/2011

5.1 Approximate number of people expected to work on this project: 50

5.2 Scope: This amendment supports provisioning systems that explicitly select traffic engineered paths within Provider Backbone Bridge Networks (P802.1ah) by allowing a network operator to disable unknown destination address forwarding and source address

learning for administratively selected VLAN Identifiers, while allowing other network control protocols to dynamically determine active topologies for other services. These interoperable capabilities are supported by SNMP MIB management of individual bridges, by extensions to the other control protocols specified in this standard, by the use of CFM with the addresses and VLAN Identifiers that specify traffic engineered connections, and by 1:1 path protection switching capable of load sharing. This amendment does not take account of multi-domain networks.

5.3 Is the completion of this standard dependent upon the completion of another standard: Yes

If yes, please explain:This project is dependent on the completion of P802.1ag, Standard for Local and Metropolitan Area Networks Virtual Bridged Local Area Networks Amendment 5: Connectivity Fault Management, and P802.1ah, Standard for Local and Metropolitan Area Networks Virtual Bridged Local Area Networks - Amendment 6: Provider Backbone Bridges. P802.1ag is about to enter Sponsor ballot; P802.1ah is likely to start Sponsor ballot within the year.

5.4 Purpose: An essential requirement of many provider networks is supporting traffic engineered paths. Complete route selection freedom must be allowed for a large number of connections. This amendment enables a Service Provider to traffic engineer provisioned connections in a Provider Backbone Bridged network using familiar 802.1 bridging technology.

5.5 Need for the Project: Provider networks rely on direct control of path routing so that traffic engineering can be used to allocate bandwidth, assure diverse backup path routing, and select path performance as required by service level agreements. Most major carriers, who will be the users of this standard, are currently deploying IEEE 802 based networks and will need traffic engineering capabilities, for load balancing, protection switching, bandwidth management, etc. The existing architecture of bridges and their associated protocols, as specified by 802.1 standards and P802.1ah (Provider Backbone Bridged Networks), allows the further specification of interoperable bridge capabilities that support traffic engineering at the required scale. This project will develop that specification, meeting the (as yet unsatisfied) demand for multi-vendor interoperability and a coherent management framework.

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

Intellectual Property

6.1.a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR prior to the PAR submittal to the IEEE-SA Standards Board? Yes

If yes, state date: 01/22/2007

6.1.b. Is the Sponsor aware of any copyright permissions needed for this project? No

6.1.c. 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 Future Adoptions

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

7.3 Will this project result in any health, safety, security, or environmental guidance that affects or applies to human health or safety? No

7.4 Additional Explanatory Notes: (Item Number and Explanation)