

Once you approve and submit the following information, changes may only be made through the NesCom Administrator.

<b>Draft PAR Confirmation Number</b> XXXXXXXX	
<b>Submittal Email:</b> tony@jeffree.co.uk	
<b>Type of Project:</b> PAR for an amendment to existing Standard 802.1Q-2005	
<b>1.1 Project Number:</b> P802.1Qbf	
<b>1.2 Type of Document:</b> Standard for	
<b>1.3 Life Cycle:</b> Full	
<b>2.1 Title of Standard:</b> IEEE Standard for Local and Metropolitan Area Networks---Virtual Bridged Local Area Networks - Amendment: Provider Backbone Bridge Traffic Engineering (PBB-TE) Infrastructure Segment Protection	
<b>3.1 Name of Working Group:</b> Higher Layer LAN Protocols Working Group(C/LM/WG802.1) <b>Contact information for Working Group Chair</b> Anthony Jeffree 11a Poplar Grove Sale, Cheshire M33 3AX GB tony@jeffree.co.uk <b>Working Group Vice Chair:</b> Paul Congdon 9489 Treelake Road Granite Bay, CA 95746 US, <b>Email:</b> paul.congdon@hp.com	
<b>3.2 Sponsoring Society and Committee:</b> IEEE Computer Society/Local and Metropolitan Area Networks (C/LM) <b>Contact information for Sponsor Chair:</b> Paul Nikolich 79 newbury st YAS BBF LLC Boston, MA 02116-3019 US p.nikolich@ieee.org <b>Contact information for Standards Representative:</b>	
<b>4.1 Type of Ballot:</b> Individual	
<b>4.2 Expected Date of Submission for Initial Sponsor Ballot:</b> 2013-01	
<b>4.3 Projected Completion Date for Submittal to RevCom:</b> 2013-08	
<b>5.1 Approximate number of people expected to work on this project:</b> 25	
<b>5.2 Scope of Proposed Standard:</b> This standard specifies procedures and managed objects to provide 1:1 (M:1 if practical) protection switching, without modifying data or control frames and using connectivity fault management (CFM), for a group of Traffic Engineered Service Instances (TESIs) that traverses a sequence of local area networks (LANs) and intervening bridges. Operator requests and operational modes consistent with those supported by PBB-TE TESI Protection are specified.	<b>Old Scope:</b>
<b>5.3 Is the completion of this standard is dependent upon the completion of another standard:</b> No <b>If yes, please explain:</b>	
<b>5.4 Purpose of Proposed Standard:</b> This standard	

allows service providers to:

- Address the relatively high failure rate of particular links or bridges within a network.
- Address the likelihood of concurrent failures occurring in different segments of a network.
- Allow maintenance activities to be performed independently in different segments of the network.
- Allow maintenance activities to be performed in one segment of a network without disabling protection in another segment.
- Localize changes in traffic distribution due to failure or maintenance actions.

**Old Purpose:**

**5.5 Need for the Project:** It is anticipated that Traffic Engineered bridged networks will be widely deployed when the PBB-TE (IEEE Std. 802.1Qay) standard becomes available. Currently, only a hierarchy of end-to-end 1:1 TESI protection is specified. Localized infrastructure protection is supported by TDM-based and MPLS-based networks. A simple localized protection capability would strengthen the applicability of PBB-TE networks.

**5.6 Stakeholders for the Standard:** Vendors, users, administrators, designers, customers, and owners of traffic-engineered bridged networks.

**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: 2009-05-18

If no, please explain:

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

If yes, please explain:

**6.1.c.** Is the Sponsor aware of possible registration activity related to this project? No

If yes, please explain:

**7.1 Are there other standards or projects with a similar scope?** No

Explanation: There are no standards providing localized protection for IEEE 802.1Q PBB-TE networks that preserve the frame format. Coordination with ITU on projects with related scope is in progress through overlapping membership as has been the case for prior P802.1 projects.

Sponsor Organization:

Project/Standard Number:

Project/Standard Date: 0000-00-00

Project/Standard Title:

**7.2 International Standards Activities**

**a. Adoptions**

Is there potential for this standard to be adopted by another organization? No

Organization:

Technical Committee Name:

Technical Committee Number:

Contact person Name:

Contact Phone:

Contact Email:

**b. Joint Development**

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

Organization:

Technical Committee Name:

Technical Committee Number:

Contact person Name:

Contact Phone:

Contact Email:

**c. Harmonization**

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

Organization:

Technical Committee Name:  
Technical Committee Number:  
Contact person Name:  
Contact Phone:  
Contact Email:

**8.1 Additional Explanatory Notes: (Item Number and Explanation)**

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