

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

Draft PAR Confirmation Number XXXXXXXX	
Submittal Email: tony@jeffree.co.uk	
Type of Project: PAR for an amendment to existing Standard 802.1Q-2005	
1.1 Project Number: P802.1Qbe	
1.2 Type of Document: Standard for	
1.3 Life Cycle: Full	
2.1 Title of Standard: IEEE Standard for Local and Metropolitan Area Networks---Virtual Bridged Local Area Networks - Amendment: Multiple Backbone Service Instance Identifier (I-SID) Registration Protocol (MIRP)	
3.1 Name of Working Group: Higher Layer LAN Protocols Working Group(C/LM/WG802.1) Contact information for Working Group Chair Anthony Jeffree 11a Poplar Grove Sale, Cheshire M33 3AX GB tony@jeffree.co.uk Working Group Vice Chair: Paul Congdon 9489 Treelake Road Granite Bay, CA 95746 US, Email: paul.congdon@hp.com	
3.2 Sponsoring Society and Committee: IEEE Computer Society/Local and Metropolitan Area Networks (C/LM) Contact information for Sponsor Chair: Paul Nikolich 79 newbury st YAS BBF LLC Boston, MA 02116-3019 US p.nikolich@ieee.org Contact information for Standards Representative:	
4.1 Type of Ballot: Individual	
4.2 Expected Date of Submission for Initial Sponsor Ballot: 2013-01	
4.3 Projected Completion Date for Submittal to RevCom: 2013-08	
5.1 Approximate number of people expected to work on this project: 25	
5.2 Scope of Proposed Standard: This standard specifies protocols, procedures, and managed objects to support topology change signaling to alter the binding (held in an I-Component) of Customer addresses to Backbone addresses on a per-Backbone Service Instance Identifier (I-SID) basis. This is accomplished by extending the use of the Multiple Registration Protocol (MRP).	Old Scope:
5.3 Is the completion of this standard is dependent upon the completion of another standard: No If yes, please explain:	
5.4 Purpose of Proposed Standard: MIRP provides the capabilities necessary when topology changes occur in networks attached to a Provider	

Backbone Bridged Network. A Backbone Edge Bridge (BEB) signals to other potentially affected BEBs the need to alter certain learned associations between Customer MAC Addresses and Backbone MAC Addresses. An access cloud that has an I-tagged connection to a Backbone network signals both its requirements for specific services, and topology change events in those services.

Old Purpose:

5.5 Need for the Project: The deployment of IEEE Provider Backbone Bridged Networks, including I-tagged connections between these networks, has raised requirements for both signaling among Provider Edge Bridges the need to forget MAC address associations, and for extending the capabilities of MRP to backbone service identifiers. In the absence of MIRP, customer connections across a Provider Backbone Network can take several minutes to restore connectivity after a topology change in an access network.

5.6 Stakeholders for the Standard: Vendors, users, administrators, designers, customers, and owners of Provider Backbone 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 solving this problem for IEEE 802.1Q bridges. Partial solutions to this problem have been offered to the IETF for the VPLS environment, and the problem has been discussed in ITU-T for the G.8032 ring environment. IEEE 802.1 intends that the semantics of the protocol commands and the data formats encoded in the MIRP PDUs be coordinated with ITU-T, for use in ITU-T topologies.

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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