

P802.1aq

This PAR is valid until 31-Dec-2011. It was extended on 11-Sep-2009.

PAR Extension Request Date: 20-Jul-2011

Extension Request Submitter Email: tony@jeffree.co.uk

Why is an extension required?: This project is nearing completion of its working group balloting, and is close to technical completion; however, there is not enough time to complete Sponsor balloting before the end date of the PAR. We therefore need an additional year to allow us to complete the project.

Do the title, scope and purpose match that of the current draft?: Yes

Number of Previous Extensions Requested: 0

Number of Years Being Requested: 1

Document Development Information

a. **What date did you begin writing the first draft?:** 04-Mar-2006

b. **How many people are actively working on the project?:** 35

c. **How many times a year does the working group meet?**

In person?: 6

Via teleconference?: 0

d. **How many times a year is a draft circulated to the working group via electronic means?:** 2

e. **What percentage of the Draft is stable?:** 85%

f. **How many significant work revisions has the Draft been through?:** 10

Project Plan

When will IEEE sponsor balloting begin?: 01-May-2012

When do you expect to submit the proposed standard to RevCom?: 01-Oct-2012

Has this document already been adopted by another source?: No

For an extension request, the information on the original PAR below is not open to modification.

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

PAR Request Date: 27-Jul-2005

PAR Approval Date: 22-Sep-2005

PAR Expiration Date: 31-Dec-2011

Status: PAR for an Amendment to an existing IEEE Standard

1.1 Project Number: P802.1aq

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 8: Shortest Path Bridging

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

Contact Information for Working Group Chair

Name: Anthony Jeffree

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Contact Information for Working Group Vice-Chair

Name: Paul Congdon

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

Contact Information for Sponsor Chair

Name: Paul Nikolich

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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: 12/2007

4.3 Projected Completion Date for Submittal to RevCom: 12/2008

5.1 Approximate number of people expected to be actively involved in the development of this project: 50

5.2 Scope: This standard specifies shortest path bridging of unicast and multicast frames, including protocols to

calculate multiple active topologies that can share learnt station location information, and support of a VLAN by multiple, per topology, VLAN identifiers (VIDs).

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

5.4 Purpose: This amendment will augment the existing, successful, multi-vendor interoperable bridging specifications to allow use of shortest path communication within administratively defined network regions, while retaining concurrent support for all existing capabilities and configurations.

5.5 Need for the Project: At present traffic for each VLAN (Virtual Local Area Network) is confined to a single spanning tree of bridges and LANs. By removing this restriction, this amendment will increase the bandwidth that can be supported by bridged subnetworks, improve network utilization, and minimize latency. The amended topology protocols will defend against bridge failures that cause long term network failures. This standard will be of benefit to manufacturers of conformant LAN equipment, their customers, and users of LANs or LAN services that are based on such equipment.

5.6 Stakeholders for the Standard:

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):