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23 September 2005

Paul Nikolich  
18 Bishops Lane  
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p.nikolich@ieee.org

Re: P802.1aq - Standard for Local and Metropolitan Area Networks: Virtual Bridged Local Area Networks – Amendment 8: Shortest Path Bridging

Dear Paul:

I am pleased to inform you that on 22 September 2005 the IEEE-SA Standards Board approved the above referenced project until 31 December 2009. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/802-1aq.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 [j.haasz@ieee.org](mailto:j.haasz@ieee.org) no later than 21 December 2005.

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 732-562-6367 or by email at [j.haasz@ieee.org](mailto:j.haasz@ieee.org).

Sincerely,

Jodi Haasz  
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International Stds Programs and Governance  
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# PAR FORM

**PAR Status:** Amendment of Standard

**PAR Approval Date:** 2005-09-22

**PAR Signature Page on File:** Yes

**1. Assigned Project Number:** P802.1aq

**2. Sponsor Date of Request:** 2005-07-27

**3. Type of Document:**

**4. Title of Document:**

**Draft:** Standard for Local and Metropolitan Area Networks: Virtual Bridged Local Area Networks – Amendment 8: Shortest Path Bridging

**5. Life Cycle:** Full-Use

**6. Type of Project:**

**6a. Is this an update to an existing PAR?** No

**6b. The Project is a:** Amendment to Std 802.1Q

**7. Working Group Information:**

**Name of Working Group:** IEEE 802.1 Working Group

**Approximate Number of Expected Working Group Members:**50

**8. Contact information for Working Group Chair:**

**Name of Working Group Chair:** Tony A Jeffree

**Telephone:** +44-161-973-4278 **FAX:** +44-161-973-6534

**Email:** tony@jeffree.co.uk

**9. Contact information for Co-Chair/Official Reporter, Project Editor or Document Custodian if different from the Working Group Chair:**

**Name of Co-Chair/Official Reporter, Project Editor or Document Custodian:**

**Telephone:** **FAX:**

**Email:**

**10. Contact information for Sponsoring Society or Standards Coordinating Committee:**

**Name of Sponsoring Society and Committee:** IEEE Computer Society Local and Metropolitan Area Networks

**Name of Sponsoring Committee Chair:** Paul Nikolich

**Telephone:** 857-205-0050 **FAX:** 781-334-2255

**Email:** p.nikolich@ieee.org

**Name of Liaison Rep. (if different from the Sponsor Chair):**

**Telephone:** **FAX:**

**Email:**

**Name of Co-Sponsoring Society and Committee:****Name of Co-Sponsoring Committee Chair:****Telephone: FAX:****Email:****Name of Liaison Rep. (if different from the Sponsor Chair):****Telephone: FAX:****Email:****11. The Type of ballot is:** Individual Sponsor Ballot**Expected Date of Submission for Initial Sponsor Ballot:** December 2007**12. Projected Completion Date for Submittal to RevCom:** December 2008**Target Extension Request Information for a Modified PAR whose completion date is being extended past the original four-year life of the PAR:****13. Scope of Proposed Project:**

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).

**Is the completion of this document contingent upon the completion of another document?**

No

**14. Purpose of Proposed Project:**

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.

**15. Reason for the Proposed 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.

**16. Intellectual Property:****a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR?** Yes 2005-05-09**b. Is the sponsor aware of copyright permissions needed for this project?** No**c. Is the sponsor aware of trademarks that apply to this project?** No**d. Is the sponsor aware of possible registration activity related to this project?** No

**17. Are there other documents or projects with a similar scope? No**

**Similar Scope Project Information:**

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

**If yes, the following questions must be answered:**

**Organization Name?**

**Technical**

**Committee**

**International**

**Contact**

**Information?**

**19. Will this project result in any health, safety, or environmental guidance that affects or applies to human health or safety? No**

**If yes, please explain:**

**20. Sponsor Information**

**a. Is the scope of this project within the approved/scope/definition of the Sponsor's Charter? Yes**

**If no, please explain:**

**b. The Sponsor's procedures have been accepted by the IEEE-SA Standards Board Audit Committee? Yes**

**21. Additional Explanatory Notes: (Item Number and Explanation)**