**P802.1Qc…**

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**Submitter Email:** michael.johasteener@broadcom.com

**Type of Project:** Amendment to IEEE Standard 802.1Q-2014

**PAR Request Date:** 25-Mar-2016

**PAR Approval Date:**

**PAR Expiration Date:**

**Status:** PAR for an Amendment to an existing IEEE Standard

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**1.1 Project Number:** P802.1Q….

**1.2 Type of Document:** Standard

**1.3 Life Cycle:** Full Use

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**2.1 Title:** Standard for Local and Metropolitan Area Networks -- Bridges and Bridged Networks Amendment:

Multiple Registration Protocol for Stream Reservation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

**Contact Information for Working Group Chair**

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

**Contact Information for Sponsor Chair**

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**4.1 Type of Ballot:** Individual

**4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot:**

**4.3 Projected Completion Date for Submittal to RevCom:**

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**5.1 Approximate number of people expected to be actively involved in the development of this project:** 40

**5.2.a. Scope of the complete standard:** This standard specifies Bridges that interconnect individual LANs, each supporting the IEEE 802 MAC Service using a different or identical media access control method, to provide Bridged Networks and VLANs.

**5.2.b. Scope of the project:** This standard specifies procedure, managed objects and an enhanced version of a protocol to improve performance and scalability for the registration of attributes for layer 2 and above. A higher performance is achieved by an improved link local synchronization mechanism. The protocol should be designed that it can be used by many applications.

**5.3 Is the completion of this standard dependent upon the completion of another standard:** ?????

**5.4 Purpose:** Bridges, as specified by this standard, allow the compatible interconnection of information technology equipment attached to separate individual LANs.

**5.5 Need for the Project:** Current MRP is designed for a limited amount of data. In future it will be necessary to exceed this limit in a performant way.

**5.6 Stakeholders for the Standard:** Developers, providers, and users of networking services and equipment for Professional, Industrial, Consumer electronics.

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**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?:** Yes – 802.1Qcc

**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):**