P802.1xxx

Submitter Email:
Type of Project: Amendment to IEEE Standard 802.1Q-2011
PAR Request Date: xx-Nov-2014
PAR Approval Date:
PAR Expiration Date:
Status: Unapproved PAR, PAR for an Amendment to an existing IEEE Standard

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1.1 Project Number: P802.1Qxx
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Title: Standard for Local and metropolitan area networks--Media Access Control (MAC) Bridges and Virtual Bridged Local Area Networks Amendment: <mark>Stream Metering</mark>

3.1 Working Group: Higher Layer LAN Protocols Working Group (C/LM/WG802.1)
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3.2 Sponsoring Society and Committee: IEEE Computer Society/LAN/MAN Standards Committee (C/LM)
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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: mm/yyyy
4.3 Projected Completion Date for Submittal to RevCom: mm/yyyy

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5.1 Approximate number of people expected to be actively involved in the development of this project: xx
5.2.a. Scope of the complete standard: This standard specifies Media Access Control (MAC) Bridges that interconnect individual Local Area Networks (LANs), each supporting the IEEE 802 MAC service using a different or identical media access control method, to provide Bridged Local Area Networks and Virtual LANs (VLANs).

5.2.b. Scope of the project: <mark>This amendment specifies a stream metering mechanisms to enforce the reserved bandwidth and low latency for time-sensitive streams and also to guarantee bandwidth and latency for lower classes streams in converged networks based on IEEE Std. 802.1.</mark>

5.3 Is the completion of this standard dependent upon the completion of another standard: No
5.4 Purpose: MAC 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: <mark>This amendment specifies a stream metering and policing mechanism with diagnostic function to detect and limit corrupted streams and also helps to protect well-behaved streams in a converged network.</mark>

5.6 Stakeholders for the Standard: <mark>Developers, providers, and users of networking services and equipment for streaming of time-sensitive data such as Audio/Video Streams, Control-Data-Streams in industrial and automotive applications.</mark>
<mark>This includes software developers, networking IC developers, bridge and NIC vendors, and users.</mark>

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):