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

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: Stream Metering

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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

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: 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.

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: 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.

5.6 Stakeholders for the Standard: 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. This includes software developers, networking IC developers, bridge and NIC vendors, and users.