P802.1Qzz

Submitter Email: janos.farkas@ericsson.com
Type of Project: Amendment to IEEE Standard 802.1Q-2014
PAR Request Date: 03-May-2017
PAR Approval Date:
PAR Expiration Date:
Status: Unapproved PAR, PAR for an Amendment to an existing IEEE Standard

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

2.1 Title: Standard for Local and metropolitan area networks—Bridges and Bridged Networks Amendment: YANG Data Model for Connectivity Fault Management,

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: 11/2019
4.3 Projected Completion Date for Submittal to RevCom: 10/2020

5.1 Approximate number of people expected to be actively involved in the development of this project: 20
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 amendment specifies a Unified Modeling Language (UML)-based information model and a YANG data model that allows configuration and status reporting for bridges and bridge components including TPMRs, MAC Bridges, Customer VLAN Bridges, and Provider Bridges (as specified by this standard) with the capabilities currently specified in clauses 12.14 (CFM entities) of this standard. It further defines the

relationship between the information and data model and models for the other management capabilities specified in this standard.

5.3 Is the completion of this standard dependent upon the completion of another standard: Yes, IEEE 802.1Qcp.

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: YANG (RFC ~~6020~~7950) is a formalized data modeling language ~~that can be used by NETCONF, a~~that is widely accepted ~~protocol that is being~~ and can be used to simplify network configuration. The ability to manage CFM via YANG is needed.~~Other standards development organizations (e.g., the IETF) have adopted YANG, and are developing a broad range of data models. Development of YANG data models for manageable entities specified in IEEE Std 802.1Q will support this industry-wide effort.~~

5.6 Stakeholders for the Standard: Developers, providers, and users of networking services and equipment.

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): #2.1 While 'YANG' (developed by the IETF) appears to be an acronym its expansion 'Yet Another Next Generation' is not meaningful. It is vital that 'YANG' appear in the project title to inform potential participants and the target readership of the amendment.