P802.3.2

Submitter Email: david_law@ieee.org
Type of Project: New IEEE Standard
PAR Request Date: 18-Apr-2016
PAR Approval Date:
PAR Expiration Date:
Status: Unapproved PAR, PAR for a New IEEE Standard

1.1 Project Number: P802.3.2
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Title: Standard for Ethernet YANG data model definitions

3.1 Working Group: Ethernet Working Group (C/LM/WG802.3)
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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: 01/2018
4.3 Projected Completion Date for Submittal to RevCom
Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 10/2018

5.1 Approximate number of people expected to be actively involved in the development of this project: 14
5.2 Scope: This standard defines YANG data models for IEEE Std 802.3 Ethernet.

5.3 Is the completion of this standard dependent upon the completion of another standard: No
5.4 Purpose: The purpose of the standard is to define YANG models for IEEE Std 802.3 and publish these models in a machine-readable format.

5.5 Need for the Project: YANG (IETF RFC 6020 or subsequent revision) is a formalized data modeling language that can be used by protocols such as NETCONF (NETwork CONFiguration, IETF RFC 6241), a widely accepted network configuration protocol. Other standards development organizations, e.g., Internet Engineering Task Force (IETF) and the Metro Ethernet Forum (MEF) have adopted YANG, and are developing a broad range of YANG data models. Development of standardized YANG models for IEEE Std 802.3 Ethernet will help to reduce the operational cost of managing Ethernet networks.

5.6 Stakeholders for the Standard: Ethernet network component suppliers, system suppliers, network management software suppliers, network administrators.

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

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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

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8.1 Additional Explanatory Notes: Item #5.2, #5.4 and #5.5: IEEE Std 802.3 IEEE Standard for Ethernet
Item #5.5: IETF RFC 6020 YANG - A Data Modeling Language for the Network Configuration Protocol (NETCONF)
Item #5.5: IETF RFC 6241 Network Configuration Protocol (NETCONF)