### 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)  
**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)  
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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

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 #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)