## P802.3.2

Submitter Email: <a href="mailto:david law@ieee.org">david law@ieee.org</a> **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** 

Name: David Law

Email Address: david law@ieee.org

**Phone:** +44 1631 563729

Contact Information for Working Group Vice-Chair

Name: Adam Healey

Email Address: adam.healey@broadcom.com

**Phone:** 6107123508

3.2 Sponsoring Society and Committee: IEEE Computer Society/LAN/MAN Standards Committee (C/LM)

**Contact Information for Sponsor Chair** 

Name: Paul Nikolich

Email Address: p.nikolich@ieee.org

**Phone:** 8572050050

**Contact Information for Standards Representative** 

Name: James Gilb

Email Address: gilb@ieee.org

**Phone:** 858-229-4822

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**

 $\textbf{6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: } \\ \text{No}$ 

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)