

P802.3.2

Type of Project: Revision to IEEE Standard 802.3.2-2019

Project Request Type: Initiation / Revision

PAR Request Date:

PAR Approval Date:

PAR Expiration Date:

PAR Status: Draft

Root Project: 802.3.2-2019

1.1 Project Number: P802.3.2

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Project Title: Standard for Ethernet - YANG Data Model Definitions

Change to Title: ~~IEEE~~ Standard for Ethernet - YANG Data Model Definitions

3.1 Working Group: Ethernet Working Group(C/LM/802.3 WG)

3.1.1 Contact Information for Working Group Chair:

Name: David Law

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3.1.2 Contact Information for Working Group Vice Chair:

Name: Adam Healey

Email Address: adam.healey@broadcom.com

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

3.2.1 Contact Information for Standards Committee Chair:

Name: Paul Nikolich

Email Address: p.nikolich@ieee.org

3.2.2 Contact Information for Standards Committee Vice Chair:

Name: James Gilb

Email Address: gilb@ieee.org

3.2.3 Contact Information for Standards Representative:

Name: James Gilb

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4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE SA for Initial Standards Committee Ballot:

Jul 2024

4.3 Projected Completion Date for Submittal to RevCom: Jan 2025

5.1 Approximate number of people expected to be actively involved in the development of this project: 20

5.2 Scope of proposed standard: This standard defines YANG data models for IEEE Std 802.3 Ethernet.

5.3 Is the completion of this standard contingent upon the completion of another standard? No

5.4 Purpose: The purpose of the standard is to define YANG modules for IEEE Std 802.3 and publish these modules in a machine-readable format.

5.5 Need for the Project: This revision is to addresses accumulated maintenance changes as well as appropriate updates to the IEEE Std 802.3.2 YANG modules to support IEEE Std 802.3 amendments published since IEEE Std 802.3.2 was first published.

Change to Need for the Project: ~~YANG (IETF RFC 6020 or subsequent~~ This revision ~~) is a~~ to ~~formalized~~ addresses ~~data~~ accumulated ~~modeling~~ maintenance ~~language that can be used by~~ changes ~~as~~ as ~~NETCONF (NETwork CONFIguration,~~ well ~~well~~ as ~~RFC 6241),~~ appropriate ~~a~~ updates ~~widely~~ to ~~accepted~~ the ~~network~~ IEEE ~~configuration~~ Std ~~protocol~~ 802 ~~.~~ Other standards ~~development organizations, e~~ 3 ~~.g.,~~ Internet Engineering Task Force (IETF) and the Metro Ethernet Forum ~~(MEF) have adopted~~ 2 ~~YANG,~~ and ~~modules~~ are ~~to~~ developing ~~support~~ a ~~broad range of YANG~~ IEEE ~~data~~ Std ~~models~~ 802 ~~.~~ Development of standardized 3 ~~YANG~~ amendments ~~models~~ published ~~for~~ since ~~IEEE Std 802.3~~ 2 ~~Ethernet~~ was ~~will help~~ first ~~to reduce the operational cost of managing~~ Ethernet networks ~~published~~ .

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

6.1 Intellectual Property

6.1.1 Is the Standards Committee aware of any copyright permissions needed for this project?

No

6.1.2 Is the Standards Committee aware of possible registration activity related to this project?

Yes

Explanation: RAC review of previously reviewed text is appropriate to assure terminology and descriptions of usage are current.

7.1 Are there other standards or projects with a similar scope? No

7.2 Is it the intent to develop this document jointly with another organization? No

8.1 Additional Explanatory Notes: Items #5.2, #5.4 and #5.5: IEEE Std 802.3 - IEEE Standard for Ethernet
Item #2.1: While 'YANG' (developed by the Internet Engineering Task Force) appears to be an acronym, its expansion 'Yet Another Next Generation' is not meaningful. It is vital to keep 'YANG' in the project title to inform potential participants and the target readership of the standard.