P802F

Submitter Email: scott.mansfield@ieee.org
Type of Project: Amendment to IEEE Standard 802-2014
PAR Request Date: 11-Sep-2019
PAR Approval Date:
PAR Expiration Date:
Status: Unapproved PAR, PAR for an Amendment to an existing IEEE Standard

1.1 Project Number: P802F
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Title: Standard for Local and Metropolitan Area Networks: Overview and Architecture
Amendment: YANG Data Model for Ethertype Friendly Names

3.1 Working Group: Higher Layer LAN Protocols Working Group (C/LM/WG802.1)
Contact Information for Working Group Chair
  Name: John Messenger
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3.2 Sponsoring Society and Committee: IEEE Computer Society/LAN/MAN Standards Committee (C/LM)
Contact Information for Sponsor Chair
  Name: Paul Nikolich
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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: 07/2020
4.3 Projected Completion Date for Submittal to RevCom
Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 02/2021

5.1 Approximate number of people expected to be actively involved in the development of this project: 10
5.2.a. Scope of the complete standard: This standard contains descriptions of the IEEE 802(R) standards published by the IEEE for frame-based data networks as well as a reference model (RM) for protocol standards. The IEEE 802 architecture is defined, and a specification for the identification of public, private, and standard protocols is included.

5.2.b. Scope of the project: Create a YANG module that contains friendly names for the Ethertype information found in the IEEE Registration Authority Ethertype public list. This standard provides a listing of commonly used protocol names for selected Ethertype values. These names may differ from the IEEE Registration Authority Ethertype public list.

5.3 Is the completion of this standard dependent upon the completion of another standard: No
5.4 Purpose: This standard serves as the foundation for the family of IEEE 802 standards published by IEEE for local area networks (LANs), metropolitan area networks (MANs), personal area networks (PANs), and regional area networks (RANs).

5.5 Need for the Project: YANG (RFC 7950) is a formalized data modeling language that is widely accepted and can be used to simplify network configuration. The ability to utilize standardized well-known names for Ethertypes will aid in compatibility and efficiency of management of modern networks.

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?: Yes
If yes please explain: The YANG Data Model will be assigned a URN based on the RA URN tutorial and IEEE Std 802d. The YANG data model will use a type definition for MAC addresses.

7.1 Are there other standards or projects with a similar scope?: Yes
If Yes please explain: The IETF has requested that the IEEE create an Ethertypes YANG module, since the IEEE owns the Ethertypes registry. The IETF will use the IEEE module once completed and deprecate the Ethertypes Modules they have written which is found in RFC 8519 "YANG Data Model for Network Access Control Lists (ACLs)" https://tools.ietf.org/html/rfc8519.

and answer the following
  Sponsor Organization: IETF
  Project/Standard Number: RFC8519
  Project/Standard Date: 01-Mar-2019
  Project/Standard Title: YANG Data Model for Network Access Control Lists (ACLs)
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: #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 that 'YANG' appear in the project title to inform potential participant and the target readership of the amendment.
#5.1 Drafts will be shared with IETF YANG experts, it will use content from IETF work (http://standards-oui.ieee.org/ethertype/eth.txt), and will be reviewed by IETF YANG experts and a broader set of 802.1 participants (Working Group ballot) prior to Standards Committee ballot.