

P802802d

Submitter Email: gparsons@ieee.org

Type of Project: Amendment to IEEE Standard 802-2014

PAR Request Date: 10-Sep-2015

PAR Approval Date:

PAR Expiration Date:

Status: Unapproved PAR, PAR for an Amendment to an existing IEEE Standard

1.1 Project Number: P802802d

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: URN Namespace

3.1 Working Group: Higher Layer LAN Protocols Working Group (C/LM/WG802.1)

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)

Contact Information for Sponsor Chair

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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: 11/2016

4.3 Projected Completion Date for Submittal to RevCom: 08/2017

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

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: This amendment specifies a URN namespace for IEEE 802 networks. This URN is used as the root identifier for YANG data models that allow configuration and status reporting for bridges and end stations.

5.3 Is the completion of this standard dependent upon the completion of another standard: Yes

If yes please explain: An IETF RFC is required to register the root for IEEE (<http://www.iana.org/assignments/urn-namespaces/urn-namespaces.xhtml>)

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 6020) is a formalized data modeling language that can be used by NETCONF (NETwork CONfiguration), a widely accepted protocol that is being used to simplify network configuration. Other SDOs (e.g. IETF and the Metro

Ethernet Forum) have adopted YANG, and are developing a broad range of data models. Development of YANG data models for manageable entities specified in IEEE 802 standards are already underway (e.g., IEEE P802.1Qcp & IEEE P802.1Xck) and others are expected.

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 Registration Authority is requested to develop a tutorial for the generalized version of the IEEE 802 URN namespace definition.

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 Number and Explanation): #2.1 Uniform Resource Names (URNs) are intended to serve as persistent, location-independent, resource identifiers.

#5.5 While 'YANG' (developed by the IETF) 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 participants and the target readership of the amendment.

#7.3A The base standard, IEEE Std 802, has already been adopted by ISO/IEC JTC1 under the PSDO Agreement and it is expected that this amendment will also be adopted with communication with JTC1 through existing channels.