P802d

Submitter Email: gparsons@ieee.org
Type of Project: Amendment to IEEE Standard 802-2014
PAR Request Date: 16-Oct-2015
PAR Approval Date:
PAR Expiration Date:
Status: Unapproved PAR, PAR for an Amendment to an existing IEEE Standard
Root Project: 802-2014

1.1 Project Number: P802d
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: Uniform Resource Names (URN) Namespace

3.1 Working Group: Higher Layer LAN Protocols Working Group (C/LM/WG802.1)
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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: 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 Uniform Resource Names (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 802 network elements.

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 review and refine 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

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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.