P802.1ACea

Type of Project: Amendment to IEEE Standard 802.1AC-2016
Project Request Type: Initiation / Amendment
PAR Request Date:
PAR Approval Date:
PAR Expiration Date:
PAR Status: Draft
Root Project: 802.1AC-2016

1.1 Project Number: P802.1ACea
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Project Title: IEEE Standard for Local and metropolitan area networks -- Media Access Control (MAC) Service Definition
Amendment: Support for IEEE Std 802.15.6

3.1 Working Group: Higher Layer LAN Protocols Working Group(C/LAN/MAN/802.1 WG)
    3.1.1 Contact Information for Working Group Chair:
    Name: Glenn Parsons
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    3.1.2 Contact Information for Working Group Vice Chair:
    Name: Jessy Rouyer
    Email Address: jessy.rouyer@nokia.com
3.2 Society and Committee: IEEE Computer Society/LAN/MAN Standards Committee(C/LAN/MAN)
    3.2.1 Contact Information for Standards Committee Chair:
    Name: Paul Nikolich
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    3.2.2 Contact Information for Standards Committee Vice Chair:
    Name: James Gilb
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    3.2.3 Contact Information for Standards Representative:
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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: Mar 2025

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: The scope of this standard is to define the Media Access Control (MAC) Service provided by all IEEE 802(R) MACs, and the Internal Sublayer Service (ISS) provided within MAC Bridges, in abstract terms of the following: a) Their semantics, primitive actions, and events; and b) The parameters of, interrelationship between, and valid sequences of these actions and events.
5.2.b Scope of the project: This project adds support of the Internal Sublayer Service by the IEEE Std 802.15.6 MAC entity. This amendment also includes technical and editorial corrections in the description of existing IEEE Std 802.1AC functionality.

5.3 Is the completion of this standard contingent upon the completion of another standard? No
5.4 Purpose: This document will not include a purpose clause.
5.5 Need for the Project: Support of 48-bit MAC addressing in IEEE Std 802.15.6-2012 allows the use of MAC bridging in 802.15.6 networks.
5.6 Stakeholders for the Standard: Developers, providers, and users of networking services and equipment for data centers and portable device vendors. This includes software developers, networking integrated circuit developers, bridge and network interface controller vendors, and users.

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: We anticipate that the interface will reference EtherTypes.

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: 5.5: IEEE Std 802.15.6-2012 IEEE Standard for Local and metropolitan area networks Part 15.6: Wireless Body Area Networks.
7.2: IEEE 802.15 Working Group members that desire access will be invited to review drafts throughout the development process.