**IEEE P802.15**

**Wireless Specialty Networks**

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| Project | IEEE P802.15 Working Group for Wireless Specialty Networks (WSNs) | |
| Title | **Draft PAR 802.1ACea:** **Amendment to IEEE Standard 802.1AC-2016** | |
| Date Submitted | September 11th, 2023 | |
| Source | Marco Hernandez1,2, Ryuji Kohno1,3, Takumi Kobayashi1,3, Minsoo Kim1, Daisuke Anzai4 | 1YRP-IAI, Japan, 2CWC Oulu Univ. Finland, 3YNU, Japan, 4Nagoya I.T., Japan |
| Abstract | Draft PAR to amend IEEE Standard 802.1AC-2016 to support 802.15.6 and 6ma | |
| Purpose | For discussion with 802.1 WG | |
| Notice | This document has been prepared to assist the IEEE P802.15.6ma. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein. | |
| Release | The contributor acknowledges and accepts that this contribution becomes the property of IEEE and may be made publicly available by P802.15.6ma. | |

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**802.1ACea**

**Type of Project:** Amendment to IEEE Standard 802.1AC-2016

**Project Request Type:** Initiation / Amendment

**PAR Request Date:** 11 September 2023

**PAR Approval Date:** 12 September 2023

**PAR Expiration Date:** 31 Dec 2024

**PAR Status:**

**Root Project:** 802.1AC-2016

* 1. **Project Number:** 802.1ACea
  2. **Type of Document:** Standard
  3. **Life Cycle:** Full Use

**2.1 Project Title:** Standard for Local and Metropolitan Area Networks -- Media Access Control (MAC) Service Definition Amendment Support for IEEE Std 802.15.6

* 1. **Working Group:** Higher Layer LAN Protocols Working Group(C/LAN/MAN/802.1 WG)
     1. **Contact Information for Working Group Chair: Name:** Glenn Parsons

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* 1. **Society and Committee:** IEEE Computer Society/LAN/MAN Standards Committee(C/LAN/MAN)
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* 1. **Type of Ballot:** Individual
  2. **Expected Date of submission of draft to the IEEE SA for Initial Standards Committee Ballot:**

March 2024

* 1. **Projected Completion Date for Submittal to RevCom:** September 2024

**5.1 Approximate number of people expected to be actively involved in the development of this project:** 10

* + 1. **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.
    2. **Scope of the project:** This project adds support of the Internal Sublayer Service by the IEEE Std 802.15.6 MAC entity.
  1. **Is the completion of this standard contingent upon the completion of another standard?** No
  2. **Purpose:** This document will not include a purpose clause.
  3. **Need for the Project:** Support of 48-bit MAC addressing in IEEE Std 802.15.6-2016 allows the use of MAC bridging in 802.15.6 networks.
  4. **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.
  5. **Intellectual Property**
     1. **Is the Standards Committee aware of any copyright permissions needed for this project?**

No

* + 1. **Is the Standards Committee aware of possible registration activity related to this project**

Yes

**Explanation:** We anticipate that the interface will reference EtherTypes.

* 1. **Are there other standards or projects with a similar scope?** No
  2. **Is it the intent to develop this document jointly with another organization?** No

**8.1 Additional Explanatory Notes:**

7.2: Though not technically a joint development, 802.15 members that desire access will be invited to review drafts throughout the development process.