**IEEE P802.15**

**Wireless Personal Area Networks**

|  |  |  |
| --- | --- | --- |
| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | **TG4 2020 Cor1 PAR - Working Draft** | |
| Date Submitted | 11 May 2021 | |
| Source | [Kunal Shah, Itron inc.] | E-mail: [Kunal.Shah@itron.com] |
| Abstract | Draft PAR update for TG4 2020 Cor1 | |
| Purpose | Prepare PAR update for submission | |
| Notice | This document has been prepared to assist the IEEE P802.15. 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. | |

**P802.15.4 2020/Cor1**

**Submitter Email:** pat.kinney@kinneyconsultingllc.com

**Type of Project:** Corrigendum to IEEE Standard 802.15.4

**PAR Request Date:** 11 Aug 2020

**PAR Approval Date:** 24 Sep 2020

**PAR Expiration Date:** 31 Dec 2024

**Status:** Active

**Root Projec**t: 802.15.4-2020

**1.1 Project Number:** P802.15.4-2020/Cor1

**1.2 Type of Document:** Standard

**1.3 Life Cycle:** Full Use

**2.1 Title:** Standard for Low-Rate Wireless Networks

-2020 Corrigendum 1: Correction of errors preventing backward compatibility

**3.1 Working Group:** Wireless Personal Area Network (WPAN) Working Group (C/LM/WG802.15)

**Contact Information for Working Group Chair:**

**Name:** Patrick Kinney

**Email Address:** [pat.kinney@kinneyconsultingllc.com](mailto:pat.kinney@kinneyconsultingllc.com)

**Phone:** 781-929-4832

**Contact Information for Working Group Vice-Chair**

**Name:** Richard Alfvin

**Email Address:** alfvin@ieee.org

**3.2 Sponsoring Society and Committee:** IEEE Computer Society/LAN/MAN Standards Committee (C/LM)

**Contact Information for Sponsor Chair**

**Name:** Paul Nikolich

**Email Address:** [p.nikolich@ieee.org](mailto:p.nikolich@ieee.org)

**Phone:** 857.205.0050

**Contact Information for Standards Representative**

**Name:** James Gilb

**Email Address:**  [[gilb@ieee.org](mailto:gilb@ieee.org)](mailto:gilb@ieee.org)

**Phone:** 858-229-4822

**4.1 Type of Ballot:** Individual

**4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot:** 11/2021

**4.3 Projected Completion Date for Submittal to RevCom**

**Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months:** 03/2022

**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 defines the physical layer (PHY) and medium access control (MAC) sublayer specifications for low-data-rate wireless connectivity with fixed, portable, and moving devices with no battery or very limited battery consumption requirements. In addition, the standard provides modes that allow for precision ranging. PHYs are defined for devices operating various license-free bands in a variety of geographic regions.

**5.2.b. Scope of the project:** This corrigendum addresses significant errors found in approved IEEE Std 802.15.4-2020 and subsequent approved amendments.

**5.3 Is the completion of this standard dependent upon the completion of another standard: No**

**5.4 Purpose:** This document will not include a purpose clause. ~~The standard provides for ultra low complexity, ultra low cost, ultra low power consumption, and low data rate wireless connectivity among inexpensive devices. In addition, one of the alternate PHYs provides precision ranging capability that is accurate to one meter. Multiple PHYs are defined to support a variety of frequency bands.~~

**5.5 Need for the Project:** This correction is needed to maintain backward compatibility to the millions of currently installed devices implemented to previous versions of the standard.

**5.6 Stakeholders for the Standard:** Wireless semiconductor vendors, and consortiums/standards development organizations such as CSA (Zigbee), Thread, WiSUN, W-HART, ISA100, 6tisch, 6lo, ETSI (TS 102 887-1), TIA (TR51), Wireshark

**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?:** No

**If yes please explain:**

**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:** ~~Note from the NesCom Administrator: This is Corrigendum 1, but the PAR was approved by the Committee as Corrigendum 2. The draft will reflect the correct corrigendum number (1).~~