IEEE P802.11
Wireless LANs

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| P802.11REVm revision PAR  |
| Date: 2024-05-13 |
| Author(s): |
| Name | Affiliation | Address | email |
| Michael Montemurro | Huawei |  |  |
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Abstract

This document contains a draft revision PAR to incorporate accumulated maintenance changes (editorial and technical corrections) and roll up approved amendments into the 802.11 standard.

P802.11REVmf is in the SA Ballot recirculation. Three amendments are expected to be ratified early in late 2024/early 2025: P802.11bh, P802.11bk, and P802.11be. This P802.11REVmf PAR will be submitted into the myProject tool once the ongoing revision project is completed (the tool allows only one active revision PAR). The P802.11REVme revision project is targeted to be completed in September 2024.

The proposed schedule shows completion in 2028 with incorporation of amendments 11bh, 11bk, 11be, 11bf, and 11bi (based on current and anticipated changes in published timelines).

Note that REVme is currently in SA Ballot and is targeted to be submitted to REVCOM in September 2024. At that time, this new IEEE 802 revision PAR will be submitted to NESCOM.

**P802.11**

**Submitter Email:** robert.stacey@intel.com

**Type of Project:** Revision to IEEE Standard 802.11-2024

**Project Request Type**: Initiation/Revision

**PAR Request Date:** xx-Sep-2024

**PAR Approval Date:**

**PAR Expiration Date:**

**PAR Status:** Unapproved PAR, PAR for a Revision to an existing IEEE Standard

**Root Project:** 802.11-2024

**1.1 Project Number:** P802.11

**1.2 Type of Document:** Standard

**1.3 Life Cycle:** Full Use

**2.1 Project Title:** Standard for Information Technology--Telecommunications and Information exchange between systems Local and Metropolitan Area Networks--Specific requirements - Part 11: Wireless Local Area Network (LAN) Medium Access Control (MAC) and Physical Layer (PHY) Specifications

**3.1 Working Group:** Wireless LAN Working Group (C/LM/WG802.11)

**3.1.1 Contact Information for Working Group Chair**

**Name:** Robert Stacey

**Email Address:** robert.stacey@intel.com

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

**Name:** Jon Rosdahl

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

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

**3.2.1 Contact Information for Sponsor Chair**

**Name:** James Gilb

**Email Address:** Gilb\_IEEE@yahoo.com

**3.2.2 Contact Information for Standards Committee Vice Chair**

**Name:** <>

**Email Address:** <>

**3.2.3 Contact Information for Standards Representative**

**Name:** <>

**Email Address:** <>

**4.1 Type of Ballot:** Individual

**4.2 Expected Date of submission of draft to the IEEE-SA for Initial Standards Association Ballot:**  Jul 2027

**4.3 Projected Completion Date for Submittal to RevCom:** Jul 2028

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

**5.1 Approximate number of people expected to be actively involved in the development of this project:** 300

**5.2 Scope:** The scope of this standard is to define one medium access control (MAC) and several physical layer (PHY) specifications for wireless connectivity for fixed, portable, and moving stations (STAs) within a local area.

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

**5.4 Purpose:** The purpose of this standard is to provide wireless connectivity for fixed, portable, and moving stations within a local area. This standard also offers regulatory bodies a means of standardizing access to one or more frequency bands for the purpose of local area communication.

**5.5 Need for the Project:** This project is needed to incorporate accumulated maintenance changes (editorial and technical corrections) into the standard and to include approved amendments. The amendments include P802.11bh, P802.11bk, and P802.11be which are expected to be ratified in late 2024/early 2025. Two additional amendments are currently under development.

**5.6 Stakeholders for the Standard:** The stakeholders of this standard are the developers and users of the Wireless LAN devices, including service providers, manufacturers, health care workers, retail service providers, and many others.

**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: The RAC may want to review for correct and consistent usage of registry terms.

 **7.1 Are there other standards or projects with a similar scope?:** No

**7.2.1 Is it the intent to develop this document jointly with another organization?:** No

**8.1 Additional Explanatory Notes:**

5.5 The amendments currently under development are

1. P802.11be Standard for Information technology--Telecommunications and information exchange between systems Local and metropolitan area networks--Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications Amendment: Enhancements for Extremely High Throughput (EHT)
2. P802.11bh Standard for Information Technology--Telecommunications and Information Exchange Between Systems Local and Metropolitan Area Networks--Specific Requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications Amendment: Operation with Randomized and Changing MAC Addresses
3. P802.11bk Standard for Information Technology--Telecommunications and Information Exchange between Systems - Local and Metropolitan Area Networks--Specific Requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications Amendment: 320MHz Positioning
4. P802.11bf Standard for Information Technology -- Telecommunications and Information Exchange Between Systems Local and Metropolitan Area Networks -- Specific Requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications Amendment: Enhancements for Wireless Local Area Network (WLAN) Sensing
5. P802.11bi Standard for Information Technology--Telecommunications and Information Exchange Between Systems Local and Metropolitan Area Networks--Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications Amendment: Enhanced Service with Data Privacy Protection
6. P802.11bp Standard for Information Technology--Telecommunications and Information Exchange between Systems - Local and Metropolitan Area Networks--Specific Requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications Amendment: Enhancements for Ambient Power Communication (AMP)