

## P802.11bk

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**Type of Project:** Amendment to IEEE Standard 802.11-2020

**Project Request Type:** Initiation / Amendment

**PAR Request Date:** 04 Oct 2022

**PAR Approval Date:** 03 Dec 2022

**PAR Expiration Date:** 31 Dec 2026

**PAR Status:** Active

**Root Project:** 802.11-2020

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**1.1 Project Number:** P802.11bk

**1.2 Type of Document:** Standard

**1.3 Life Cycle:** Full Use

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**2.1 Project Title:** 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

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**3.1 Working Group:** Wireless LAN Working Group(C/LAN/MAN/802.11 WG)

**3.1.1 Contact Information for Working Group Chair:**

**Name:** Dorothy Stanley

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

**Name:** Jon Rosdahl

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**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:**  
Jun 2024

**4.3 Projected Completion Date for Submittal to RevCom:** Jun 2025

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**5.1 Approximate number of people expected to be actively involved in the development of this project:** 50

**5.2.a Scope of the complete standard:**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.

**5.2.b Scope of the project:** This standard defines extensions to positioning mechanisms to support 320 MHz channel operation.

**5.3 Is the completion of this standard contingent upon the completion of another standard?** Yes

**Explanation:** P802.11az defines positioning enhancements, and P802.11be defines 320 MHz channel operation in the 6 GHz frequency band.

**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:** The current standard and amendments under development define positioning operation in channels up to 160 MHz. P802.11be defines use of 320 MHz operation in the 6 GHz band. A project is needed to extend positioning protocols to support 320 MHz channels.

**5.6 Stakeholders for the Standard:** The stakeholders of this standard are the developers and users of the Wireless LAN devices, including wireless network access service providers, manufacturers, health care

workers, retail service providers, and many others.

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## **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?**

No

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**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

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## **8.1 Additional Explanatory Notes:** 5.3, 5.5:

P802.11az™/D7.0

Draft 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 4: Enhancements for positioning

IEEE P802.11be™/D2.1.1

Draft 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 8: Enhancements for extremely high throughput (EHT)