

---

**P802.16**

---

**Type of Project:** Revision to IEEE Standard 802.16-2017

**Project Request Type:** Initiation / Revision

**PAR Request Date:**

**PAR Approval Date:**

**PAR Expiration Date:**

**PAR Status:** Draft

**Root Project:** 802.16-2017

---

**1.1 Project Number:** P802.16

**1.2 Type of Document:** Standard

**1.3 Life Cycle:** Full Use

---

**2.1 Project Title:** Standard for Air Interface for Broadband Wireless Access Systems

**Change to Title:** ~~IEEE~~ Standard for Air Interface for Broadband Wireless Access Systems

---

**3.1 Working Group:** Wireless Specialty Networks (WSN) Working Group(C/LAN/MAN/802.15 WG)

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

**Name:** Clinton Powell

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

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

**Name:** PHILIP E BEECHER

**Email Address:** phil@beecher.co.uk

**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:** James Gilb

**Email Address:** gilb\_ieee@tuta.com

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

**Name:** David Halasz

**Email Address:** dave.halasz@ieee.org

**3.2.3 Contact Information for Standards Representative:**

**Name:** George Zimmerman

**Email Address:** george@cmephyconsulting.com

**Change to Co-Std(s) Committee(s):**

~~IEEE Microwave Theory and Techniques Society/Standards Committee(MTT/SC)~~

---

**4.1 Type of Ballot:** Individual

**4.2 Expected Date of submission of draft to the IEEE SA for Initial Standards Committee Ballot:**

Dec 2026

**4.3 Projected Completion Date for Submittal to RevCom:** Dec 2027

---

**5.1 Approximate number of people expected to be actively involved in the development of this project:** 15

**5.2 Scope of proposed standard:** This standard specifies the air interface, including the medium access control layer (MAC) and physical layer (PHY), of combined fixed and mobile point-to-multipoint broadband wireless access (BWA) systems providing multiple services. The MAC is structured to support the Wireless Metropolitan Area Network - Single Carrier (WirelessMAN-SC), Wireless Metropolitan Area Network - Orthogonal Frequency Division Multiplexing (WirelessMAN-OFDM), and Wireless Metropolitan Area Network - Orthogonal Frequency Division Multiple Access (WirelessMAN-OFDMA) PHY specifications, each suited to a particular operational environment.

**Change to scope of proposed standard:**This standard specifies the air interface, including the medium access control layer (MAC) and physical layer (PHY), of combined fixed and mobile point-to-multipoint broadband wireless access (BWA) systems providing multiple services. The MAC is structured to support the Wireless Metropolitan Area Network - Single Carrier ( WirelessMAN-SC ), ~~WirelessMANOFDM~~ Wireless Metropolitan Area Network - Orthogonal Frequency Division Multiplexing (WirelessMAN-OFDM), and Wireless Metropolitan Area Network - Orthogonal Frequency Division Multiple Access ( WirelessMAN-OFDMA ) PHY specifications, each suited to a particular operational environment.

**5.3 Is the completion of this standard contingent upon the completion of another standard?** No

**5.4 Purpose:** This standard enables rapid worldwide deployment of innovative, cost-effective, and interoperable

multivendor broadband wireless access products, facilitates competition in broadband access by providing alternatives to wireline broadband access, encourages consistent worldwide spectrum allocation, and accelerates the commercialization of broadband wireless access systems.

**5.5 Need for the Project:** Revision of the standard is required to incorporate one amendment (P802.16t). P802.16t is expected to complete SA ballot in early 2025 and subsequently submitted to RevCom for approval. We are also approaching the 10 year revision deadline to keep the standard active.

**Change to Need for the Project:** Revision of the standard is required to incorporate ~~three~~ one ~~amendments~~ amendment (P802. ~~16p-2012,~~ 16t). P802. ~~16n-2013,~~ 16t is expected to complete SA ballot in early 2025 and ~~P802-~~ subsequently submitted to RevCom for approval. We are also approaching the 10 year revision deadline to keep the standard active. ~~16q-2015~~)

**5.6 Stakeholders for the Standard:** Vendors developing IEEE 802.16 products and users of those products.

**Change to Stakeholders for the Standard:** ~~ITU-R Working Party 5D, the WiMAX Forum, vendors~~ Vendors developing IEEE 802.16 products, ~~and operators using~~ users ~~IEEE~~ of ~~802.16~~ those products.

---

## 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

---

**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: