Call for Contributions:

IEEE 802.16 Working Group on Broadband Wireless Access

*GRIDMAN Task Group:*

*Narrower Channel Operation*

# Issued: 12 April 2016

The GRIDMAN Task Group of the [IEEE 802.16 Working Group](http://wirelessman.org) is planning to develop the IEEE 802.16s Amendment for operation in channel bandwidth up to 1.25 MHz according to the [Project Authorization Request (PAR)](http://doc.wirelessman.org/16-16-0012-03) endorsed by the IEEE 802 Sponsor in March 2016. The project will amend the WirelessMAN-OFDMA system profile of IEEE Std 802.16, and if necessary, introduce minor consequential amendments to other clauses.

This Call for Contributions solicits input documentation toward the development of a Project P802.16s on Narrower Channel Operation. The scope of the project and need for the project are defined in the PAR:

5.2.b. **Scope of the project:** This project specifies WirelessMAN-OFDMA TDD operation in exclusively-licensed spectrum with channel bandwidth from 100 kHz up to 1.25 MHz, including 1 MHz explicitly. The amendment will target operation in the 700 MHz band but will also support operation in other VHF/UHF bands. The project amends Clause 12 of IEEE Std 802.16, adding a new system profile and amending other clauses as required to support the narrower channel widths. The range and data rate supported by the added profile are commensurate with those of the base standard, as scaled by the reduced channel bandwidth.

5.5 **Need for the Project:** Mission critical entities have a strong preference for private, licensed networks in VHF/UHF frequencies for their data communications needs. VHF/UHF licensed channels narrower than 1.25 MHz are readily available in the secondary markets at a lower cost than commercial wideband channels. Example operating frequencies include 217 MHz, 700 MHz, 900 MHz, and 1.4 GHz. The base standard, and thus this amendment, is not limited to specific operating frequencies. Furthermore, VHF/UHF channels have superior propagation characteristics requiring less infrastructure and are capable of meeting capacity needs of private networks.

The schedule anticipates formal IEEE-SA authorization of the project on 30 June 2016. In preparation, with the PAR already submitted to the IEEE-SA, a face-to-face meeting will take place at the [IEEE 802 Wireless Interim Session](http://802world.org/wireless/) the week of 16 May 2016 at Waikoloa, Hawaii, USA. The WG meetings will comprise [802.16 Session #103](http:///ieee802.org/16/meetings/mtg103) and will be scheduled for 17-19 May. Contributions are particularly sought on the following

* project development schedule, including milestones
* proposed program of face-to-face meetings and teleconferences
* table of contents of the draft standard, indicating subclauses to be added or amended
* proposed publicity efforts to notify potential participants

The deadline for contributions to be considered at Session #103 is Friday, 13 May 2016, AOE[[1]](#footnote-1)

Submit your contribution *by the deadline above* following the IEEE 802.16 Document Submission Instructions <http://ieee802.org/16/submit.html> using the File Code "000s".

For further information, contact the following:

* IEEE 802.16 GRIDMAN Task Group Chair: Tim Godfrey <[tim.godfrey@epri.com](mailto:tim.godfrey@epri.com)>
* IEEE 802.16 Working Group Chair: Roger Marks <[r.b.marks@ieee.org](mailto:r.b.marks@ieee.org)>

1. [Anywhere On Earth](http://ieee802.org/16/aoe.html) [↑](#footnote-ref-1)