Call for Contributions:

IEEE 802.16 Working Group on Broadband Wireless Access

*GRIDMAN Task Group:*

*Project 802.16s*

# Issued: 28 July 2016

The GRIDMAN Task Group of the [IEEE 802.16 Working Group](http://wirelessman.org) is developing 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, and authorized by the IEEE-SA on June 30, 2016.

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:

**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.

**Purpose /** **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 next face-to-face meeting will take place at the [IEEE 802 Wireless Interim,](http://arinex.com.au/ieee2016/) September 11-16, 2016 at the Warsaw Marriott Hotel, Warsaw, Poland. The WG meetings will comprise [802.16 Session #105](http://ieee802.org/16/meetings/mtg105) and will be scheduled for 13 - 15 September.

Contributions are sought on the following topics;

* Comments toward further development of the Draft System Requirements Document [802.16-16-0034-02-000s](https://mentor.ieee.org/802.16/dcn/16/16-16-0034-02-000s-draft-p802-16s-system-requirements-document-srd.docx)
* Analysis and evaluation of aspects of the requirements and potential amendments to the [base standard](https://standards.ieee.org/about/get/802/802.16.html) (IEEE 802.16-2012 as amended by 802.16p, 802.16n, and 802.16q).
* Technical proposals that address requirements identified in the Draft System Requirements Document. Text proposals will be considered for adoption into the [System Description Document (SDD) Outline](https://mentor.ieee.org/802.16/dcn/16/16-16-0044-01-000s-802-16s-system-description-document-sdd-outline.docx). Proposals should follow the [Guidelines for Proposals](https://mentor.ieee.org/802.16/dcn/16/16-16-0046-00-000s-guidelines-for-proposals.docx) (802.16-16-0046r0).

A teleconference to review proposals and prepare for Session #105 will be held Prior to the proposal submission deadline. The teleconference date and time will be announced on the 802.16 reflector. Submitters of proposals are encouraged to participate, but participation is not required to submit a proposal.

The deadline for contributions to be considered at Session #105 is Friday, 9 September 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:

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* IEEE 802.16 Working Group Chair: Roger Marks <r.b.marks@ieee.org>
1. [Anywhere On Earth](http://ieee802.org/16/aoe.html) [↑](#footnote-ref-1)