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| Project | **IEEE 802.16 Broadband Wireless Access Working Group <**<http://ieee802.org/16>**>** |
| Title | ***Proposed Statement to*** ***IETF IPPM Working Group regarding IEEE*** ***Project 802.16.3***  |
| Date Submitted | **2012-09-12** |
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| Re: | Metrology Study Group’s *Call for Contributions: IEEE* *Project P802.16.3:* *Mobile Broadband Network Performance Measurements* (IEEE 802.16-12-0492-01-Smet) for IEEE 802.16’s Session #81 of 17-20 September 2012 |
| Abstract | This document proposes a statement to the IETF IPPM Working Group providing notification of Project P802.16.3. |
| Purpose | This contribution requests that the Metrology Study Group review the attached proposal and, on that basis, prepare and forward a proposed statement to IEEE 802.16 Working Group for approval at the Session #81 Closing Plenary. |
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*Proposed Statement to IETF IPPM Working Group regarding IEEE Project 802.16.3*

Roger B. Marks

Consensii LLC; Mobile Pulse, Inc.

# Abstract

This document proposes a statement to the IETF IPPM Working Group providing notification of Project P802.16.3.

#  Background

On 30 August 2012, the IEEE-SA Standards Board approved Project Authorization Request (PAR) [P802.16.3](http://doc.wirelessman.org/16-12-0489) for the development of a new standalone standard on Mobile Broadband Network Performance Measurements. The IEEE 802.16 Working Group is assigned to develop the standardization project. The Metrology Study Group issued a *Call for* *Contributions: IEEE Project P802.16.3: Mobile Broadband Network Performance Measurements* ([IEEE 802.16-12-0492](http://doc.wirelessman.org/16-12-0492)) for IEEE 802.16’s Session #81 of 17-20 September 2012.

The PAR, in the notes for Item 7.1, refers to related standardization activities and includes IETF (Internet Engineering Task Force) Working Group on IP Performance Metrics (IPPM). The IPPM WG is also mentioned in Item 4 (Technical Feasibility) of the Five Criteria Statement. The Call for Contributions requested comments regarding working document [IEEE 802.16-12-0483](http://doc.wirelessman.org/16-12-0483) (“[Draft] Applications and Requirements for Mobile Broadband Network Performance Measurements”) and contributions toward enhancement of that content, including further information on proposed metrics to be specified within the standard. IEEE 802.16-12-0483 references the IPPM WG strongly (“The standard should reference metrics specified by IETF (particularly from the IP Performance Metrics (ippm) Working Group) whenever feasible”).

Given the significant role of the IPPM WG in these documents, it is appropriate for the IEEE 802.16 WG to notify the IPPM WG of the status and expectations.

The PAR and Five Criteria Statement also reference a pre-standardization IETF activity on “Large Scale Measurement of Access Network Performance” (LMAP). It is appropriate to notify the LMAP mailing list of the 802.16.3 Project as well.

# Proposal

This contribution requests that the Metrology Study Group review the attached proposal and, on that basis, prepare and forward a proposed statement to IEEE 802.16 Working Group for approval at the Session #81 Closing Plenary.

PROPOSED DRAFT

**IEEE 802.16 Working Group on Broadband Wireless Access**

**http://WirelessMAN.org**

Roger B. Marks

Chair, IEEE 802.16 Working Group

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20 September 2012

To: Henk Uijterwaal, Chair, IP Performance Metrics (IPPM) Working Group, IETF

Matthew Zekauskas, Chair, IP Performance Metrics (IPPM) Working Group, IETF

cc: Wesley Eddy, Area Director, Transport Area, IETF

Martin Stiemerling, Area Director, Transport Area, IETF

IETF LMAP mailing list

Henning Schulzrinne, LMAP List

Paul Nikolich, Chair, IEEE 802 Executive Committee

Dan Romascanu, IETF/IEEE-SA liaison

Subj: New IEEE Project P802.16.3 on Mobile Broadband Network Performance Measurements

The IEEE 802.16 Working Group (WG) on Broadband Wireless Access would like to bring to your attention the new IEEE Project P802.16.3 on *Mobile Broadband Network Performance Measurements*. This project was authorized on 30 August 2012 by the IEEE-SA Standards Board and assigned to the IEEE 802.16 WG for standardization development. The proposal was developed in the 802.16 Working Group’s [Metrology Study Group](http://ieee802.org/16/sg/met).

Details of the project are available in the PAR and Five Criteria statement ([IEEE 802.16-12-0489](http://doc.wirelessman.org/16-12-0489)). In particular, the scope specifies that the standard will specify “procedures for characterizing the performance of deployed mobile broadband networks from a user perspective. It specifies metrics and test procedures as well as communication protocols and data formats allowing a network-based server to coordinate and manage test operation and data collection.” Please note that the scope of the project will consider end-to-end measurements and is not limited to any particular air interface.

We call your attention to the fact that the PAR and the Five Criteria Statement both refer to IPPM. Furthermore, internal working document [IEEE 802.16-12-0483](http://doc.wirelessman.org/16-12-0483) (“[Draft] Applications and Requirements for Mobile Broadband Network Performance Measurements”) states the assumption that “The standard should reference metrics specified by IETF (particularly from the IP Performance Metrics (ippm) Working Group) whenever feasible.” Note that the PAR and Five Criteria Statement also reference pre-standardization IETF activity on “Large Scale Measurement of Access Network Performance” (LMAP).

Given this expressed intent to apply IPPM metrics when feasible, the IEEE 802.16 WG would like to ensure that the IPPM community is aware of the 802.16 WG’s activity and interest. We are under the impression that our focus on mobility may suggest some enhancement or refinement of IPPM metrics. We expect to study that issue and will notify you of any proposals we may have on that topic. We will welcome your perspectives and encourage communication. Our next opportunity to respond to a formal communication will occur at [IEEE 802.16 Session #82](http://ieee802.org/16/meetings/mtg82) (12-15 Nov 2012 in San Antonio, TX, USA).

Sincerely,

Roger B. Marks

Chair, IEEE 802.16 Working Group on Broadband Wireless Access