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| Project | **IEEE 802.16 Broadband Wireless Access Working Group <**<http://ieee802.org/16>**>** |
| Title | ***Standardization of*** ***Mobile Broadband Network Performance Measurements*** |
| Date Submitted | **2012-05-09** |
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| Re: | Solicitation of input contributions by IEEE 802.16’s Metrology Study Group <<http://ieee802.org/16/sg/met>> for IEEE 802.16’s Session #79 of 14-17 May 2012 |
| Abstract | This document describes a proposal for a new standardization project within the IEEE 802.16 Working Group on Mobile Broadband Network Performance Measurements. |
| Purpose | This contribution requests that the Metrology Study Group review the proposal herein and, on that basis, submit a draft PAR and issue a Call for Contributions on Mobile Broadband Network Performance Measurements toward its followup meetings at Session #80. |
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Standardization of

Mobile Broadband

Network Performance Measurements

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# Abstract

This document describes a proposal for a new standardization project within the IEEE 802.16 Working Group on Mobile Broadband Network Performance Measurements.

# Purpose

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# Introduction

The IEEE 802.16 Working Group’s [Metrology Study Group](http://ieee802.org/16/sg/met) was initiated on 16 March 2012, initially through 20 July 2012. The scope of the group includes a broad range of issues related to measurement.

This contribution targets a single specific subject with Mobile Broadband Metrology; namely, Mobile Broadband Network Performance Measurements. It does not suggest that the Metrology Study Group’s focus be limited to that topic, and it encourages other contributions, including those looking at other metrology topics.

# Companion Contributions

This contribution is one of a set of contributions:

•IEEE 802.16-12-0342-00-Smet: Standardization of Mobile Broadband Network Performance Measurements

•IEEE 802.16-12-0343-00-Smet: Standardization of Mobile Broadband Network Performance Measurements: Proposed PAR

•IEEE 802.16-12-0344-00-Smet: Standardization of Mobile Broadband Network Performance Measurements: Proposed Five Criteria Statement

•IEEE 802.16-12-0345-00-Smet: Standardization of Mobile Broadband Network Performance Measurements: Proposed Call for Contributions

# Suggested Timetable for the Project

This contribution proposes that, following approval of the Mobile Broadband Network Performance Measurements PAR, development of the standard should be scheduled to proceed on a rapid timeframe, making use of email reflector discussions and scheduled teleconferences to accelerate the process. The following timetable for development of the standard is proposed:

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| 2012-03-16 | Study Group chartered |
| 2012-05-17 | Agree to forward PAR and Five Criteria Statement to IEEE 802 |
| 2012-07-16 | IEEE 802.16 Working Group Session #80 and IEEE 802 Plenary Session |
| 2012-07-16 | IEEE 802 Tutorial |
| 2012-07-17 | Comments on PAR from IEEE 802 Executive Committee members (5 pm) |
| 2012-07-18 | Responses to PAR comments (5 pm) |
| 2012-07-19 | IEEE 802.16 Working Group approves revised PAR (and acts to renew Study Group) |
| 2012-07-20 | IEEE 802 Executive Committee approves revised PAR (and acts to renew Study Group) |
| 2012-07-20 | Submit PAR to NesCom |
| 2012-08-29 | Recommendation of PAR approval by NesCom |
| 2012-08-30 | PAR approval by IEEE-SA Standards Board |
| 2012-09-17 | IEEE 802.16 Working Group Session #81 |
| 2012-11-12 | IEEE 802.16 Working Group Session #82 |
| 2013-01 | IEEE 802.16 Working Group Session #83 |
| 2013-03 | IEEE 802.16 Working Group Session #84: complete first draft; launch WG Letter Ballot |
| 2013-05 | IEEE 802.16 Working Group Session #85 |
| 2013-07 | IEEE 802.16 Working Group Session #86: approval to initiate IEEE-SA Sponsor Ballot |
| 2013-09 | IEEE 802.16 Working Group Session #87 |
| 2013-11 | IEEE 802.16 Working Group Session #88: approval to submit to RevCom |

# Proposal

This contribution proposes that the Metrology Study Group take the following actions:

(1) Forward Gdocs, based IEEE 802.16-12-0343 and IEEE 802.16-12-0344 as revised to reach consensus, to the IEEE 802.16 Working Group as the Project Authorization Request (PAR) and Five Criteria Statement of a new standardization project, requesting that the WG forward them to IEEE 802 for action at the July 2012 802 Plenary.

(3) Issue a Call for Contributions, based on IEEE 802.16-12-0345, with specific requests for information, to be directed to next session of the Metrology Study Group (during IEEE 802.16 Session #80 of 16-19 July).

(3) Agree to organize a tutorial, to be held on 16 July at the IEEE 802 Plenary.

(4) Agree to a tentative meeting schedule for IEEE 802.16 Session #80. This contribution proposes to schedule one slot on Monday (PM2), two slots on Tuesday, three slots on Wednesday, and two slots on Thursday.