

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >
Title	Call for Initial Input regarding P802.16m Project
Date Submitted	2006-12-25
Source(s)	Roger Marks (IEEE 802 WG Chair) r.b.marks@ieee.org NextWave Broadband, Inc.
Re:	
Abstract	
Purpose	Request for input for discussion at the first meeting held regarding the P802.16m project.
Notice	This document has been prepared to assist IEEE 802.16. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.
Release	The contributor grants a free, irrevocable license to the IEEE to incorporate material contained in this contribution, and any modifications thereof, in the creation of an IEEE Standards publication; to copyright in the IEEE's name any IEEE Standards publication even though it may include portions of this contribution; and at the IEEE's sole discretion to permit others to reproduce in whole or in part the resulting IEEE Standards publication. The contributor also acknowledges and accepts that this contribution may be made public by IEEE 802.16.
Patent Policy and Procedures	The contributor is familiar with the IEEE 802.16 Patent Policy and Procedures < http://ieee802.org/16/ipr/patents/policy.html >, including the statement "IEEE standards may include the known use of patent(s), including patent applications, provided the IEEE receives assurance from the patent holder or applicant with respect to patents essential for compliance with both mandatory and optional portions of the standard." Early disclosure to the Working Group of patent information that might be relevant to the standard is essential to reduce the possibility for delays in the development process and increase the likelihood that the draft publication will be approved for publication. Please notify the Chair < mailto:chair@wirelessman.org > as early as possible, in written or electronic form, if patented technology (or technology under patent application) might be incorporated into a draft standard being developed within the IEEE 802.16 Working Group. The Chair will disclose this notification via the IEEE 802.16 web site < http://ieee802.org/16/ipr/patents/notices >.

Call for Initial Input regarding P802.16m Project

Deadline: 11 January 2007

Introduction

On 6 December 2006, the IEEE-SA Standards Board approved the PAR P802.16m:

<http://standards.ieee.org/board/nes/projects/802-16m.pdf>

This PAR authorizes the IEEE 802.16 Working Group on Broadband Wireless Access to develop a draft amendment to the IEEE 802.16 WirelessMAN-OFDMA specification so as to provide an advanced air interface meeting the cellular layer requirements of IMT-Advanced next generation mobile networks, with continuing support for legacy WirelessMAN-OFDMA equipment.

The Working Group has initiated Task Group m (TGm) <<http://ieee802.org/16/tgm>> to develop the draft.

Note that the technical requirements of IMT-Advanced have not yet fully specified. The PAR provides some additional information (regarding target data rate, cell size, etc.) but without complete details.

Call for Input

This document requests initial input regarding the P802.16m project. The emphasis here is on the development of specifications for the technical requirements and/or goals of the project. This can include:

Deployment scenario:

- Cell details
- Cell coverage
- Interaction and interconnect with other networks
- Specific 802.16 legacy support requirements

Mobile Channel Models:

- Frequency and Bandwidth
- Pedestrian, Vehicular, Indoor, Outdoor
- Frequency reuse and interference
- Simulation requirements

Services to be provided:

- Data Rates, BER, PER, or BLER
- QoS and Latency requirements

Possible Contribution to ITU-R

Elements of this material could be considered as the basis of a contribution to ITU-R that could be finalized at the March 2007 IEEE 802 session, in conjunction with 802.16's Session #48. Please note that the IEEE 802.18 Radio Regulatory TAG is considering the possibility of coordinating the development of such documentation and will meet on 16 January alongside Session #47 to discuss the topic <<http://ieee802.org/secmail/msg08911.html>>. Any IEEE 802.16 WG input would be processed through the 802.16's ITU-R Liaison Group.

Submittal Instructions

Submit non-confidential contributions, by the deadline of 11 January 2007 AOE, following the instructions at <<http://WirelessMAN.org/submit.html>>. Make use of the TGm upload directory: <<http://tgm.WirelessMAN.org>>.

For further information, contact one of the following:

- Chair, IEEE 802.16 Working Group: Roger Marks <r.b.marks@ieee.org>
- Acting Chair, TGm: Brian Kiernan <Brian.Kiernan@InterDigital.com>