

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Discussion Draft of Pedestrian MBWA PAR	
Date Submitted	2002-06-20	
Source(s)	Mark Klerer Chair – MBWA SG 135 Route 202/206 South Bedminster, NJ 07921	Voice: 908-997-2069 Fax: 908-947-7050 [mailto:m.klerer@flarion.com]
Re:	Preliminary PAR for MBWA	
Abstract	This contribution proposes a preliminary draft PAR for a pedestrian MBWA project. It is contributed by the SG Chair to stimulate discussion.	
Purpose	SG Chair’s draft to stimulate discussion and facilitate progress toward work on separate projects on Vehicular and Pedestrian Mobility. The Pedestrian Mobility drafts are based on C802.16SGM-02/02, C802.16SGM-02/03 and C802.16SGM-02/11. The Vehicular Mobility drafts are based on C802.16SGM-02/08 and C802.16SGM-02/11.	
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	<p>The contributor is familiar with the IEEE 802.16 Patent Policy and Procedures (Version 1.0) <http://ieee802.org/16/ipr/patents/policy.html>, including the statement “IEEE standards may include the known use of patent(s), including patent applications, if there is technical justification in the opinion of the standards-developing committee and provided the IEEE receives assurance from the patent holder that it will license applicants under reasonable terms and conditions for the purpose of implementing the standard.”</p> <p>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:r.b.marks@ieee.org> as early as possible, in written or electronic form, of any patents (granted or under application) that may cover technology that is under consideration by or has been approved by IEEE 802.16. The Chair will disclose this notification via the IEEE 802.16 web site <http://ieee802.org/16/ipr/patents/notices>.</p>	

IEEE-SA Standards Board Project Authorization Request (PAR) Form (2002)

For a review of the Standards Development Process (designed to assist the Working Group, Working Group Chair, Sponsor Chair, and Society Liaison), please click here.

1. Assigned Project Number (Please contact the NesCom Administrator if this is a new PAR): P802. 16d

2. Sponsor Date of Request: 2002-07-08

3. Type of Document (Please check one)

Standard for {document stressing the verb "shall"}

Recommended Practice for {document stressing the verb "should"}

Guide for {document in which good practices are suggested, stressing the verb "may"}

4. Title of Document: Draft Local and Metropolitan Area Networks Amendment to Standard Air Interface for Fixed Broadband Wireless Access Systems Media Access Control and Physical Layer Modifications to support nomadicity and pedestrian mobility (up to 10 km/h) in licensed bands allocated to fixed wireless services and unlicensed bands

5. Life Cycle

Full Use (5-year life cycle)

Trial Use (2-year life cycle)

6. Type of Project:

New standard

Revision of existing standard (indicate Number and year existing standard was published in box to the right) (####-YYYY)

Amendment to an existing standard (indicate Number and year existing standard was published in box to the right) 802. 16a-2002 (####-YYYY)

Corrigendum to an existing standard (indicate Number and year existing standard was published in box to the right) (####-YYYY)

Revised PAR (indicate PAR Number and Approval Date here: P - (YYYY-MM-DD)

Is this project in ballot now? No

State reason for revising the PAR in Item #18.

7. Contact information of Working Group Chair who must be an SA member as well as an IEEE and/or Affiliate Member

Name of Working Group(WG) : IEEE 802. 16 Working Group on Broadband Wireless Access

Name of Working Group Chair:

First Name: Roger Last Name: Marks
Telephone: 303-497-3037
FAX: 303-497-7828
EMAIL: r. b. marks@ieee.org

8. Contact Information of Official Reporter, Project Editor or Document Custodian if different from the Working Group Chair. The Official Report must be an SA member as well as an IEEE and/or Affiliate Member

Name of Official Reporter (if different than Working Group Chair):

First Name: Last Name:
Telephone:
FAX:
EMAIL:

9. Contact information of Sponsoring Society or Standards Coordinating Committee

Sponsoring Society and Committee: Computer Society, LAN/MAN Standards Committee; Microwave Theory and Techniques Society

Sponsor Committee Chair:

First Name: Paul Last Name: Nikolich
Telephone: 978-749-9999 x246
FAX: 78-749-8888
EMAIL: p.nikolich@ieee.org

10. Sponsor Balloting Information (Please choose one of the following)

Choose one from the following:

- Individual Balloting
 Entity Balloting
 Mixed Balloting (combination of Individual and Entity Balloting)

Expected Date of Submission for Initial Sponsor Ballot: 2003-05-31

Please review the PAR form three months prior to submitting your draft for ballot to ensure that the title, scope and purpose on the PAR form match the title, scope and purpose on the draft. If they do not match, you will need to submit a revised PAR.

Additional communication and input from other organizations or other IEEE Standards Sponsors should be encouraged through participation in the working group or the balloting pool.

11. Projected Completion Date for Submittal to RevCom:

If this is a REVISED PAR and the completion date is being extended past the original four-year life of the PAR, please answer the following questions.

If this is not a revised PAR, please go to question #12

Statement of why the extension is required:

When did you begin writing the first draft?:

How many people are actively working on the project?:

How many times a year does the working group meet in person?:

How frequently is a draft version circulated to the working group via electronic means?:

How much of the Draft is stable (Format: NN%)?: %

How many significant working revisions has the Draft been through?:

Briefly describe what the development group has already accomplished, and what remains to be done:

12. Scope of Proposed Project

[Projected output including technical boundaries. REVISED STANDARDS - Projected output including the scope of the original standard, amendments and additions. Please be brief (less than 5 lines).]:

This standard specifies the physical and media access control layer of the air interface of interoperable low mobility broadband wireless access systems targeting aggregate channel data rates higher than 20Mbps. Channel data rates shall be scalable with the channel bandwidth. The user data rate may be allocated on a fully flexible and adaptive basis. This standard is targeted at providing 99% of coverage and the support of cell sizes up to 50Km in diameter while supporting pedestrian mobility of up to 10 km/h. It applies to systems operating in licensed bands allocated to fixed wireless services and unlicensed bands.

13. Purpose of Proposed Project:

[Intended users and user benefits. REVISION STANDARDS - Purpose of the original standard and reason for the standard's revision. Please be brief (less than 5 lines).]:

To enable rapid worldwide deployment of innovative, cost-effective and interoperable multi-vendor low mobility, always on broadband wireless access products. To facilitate competition in broadband access by providing wireless alternatives to fixed wireline broadband access. Support of nomadic and pedestrian mobility in a wireless infrastructure will address the market segments that include the needs of residences, Small Office-Home Office (SOHO), telecommuters and Small and Medium Enterprises (SME).

14. Intellectual Property { Answer each of the questions below }

Sponsor has reviewed the IEEE patent policy with the working group?

Yes

Sponsor is aware of copyrights relevant to this project?

Yes

Sponsor is aware of trademarks relevant to this project?

Yes

Sponsor is aware of possible registration of objects or numbers due to this project?

Yes

15. Are there other standards or projects with a similar scope?

Yes, with explanation below

Explanation: IEEE 802.11 and 802.15 address primarily short range WLAN and WPAN applications, respectively. This extension to the 802.16 standard is specifically directed towards nomadicty and low-mobility broadband wireless point to multipoint MAN/WAN systems that provide access to corepublic networks. ITU-R Working Party 8F is developing air interfaces for IMT-2000 and access systems beyond IMT-2000 for both mobile and fixed applications.

If Yes, please answer the following:

Sponsor Organization:

Project Number:

Project Date:

Project Title:

16. International Sponsor Organization

Is there potential for this standard (in part or in whole) to be submitted to an international organization for review/adoption?

Yes{ Yes/No/?? if you don't know at this time }

If Yes, please answer the following questions:

International Committee Name and Number: ITU- R.

International Organization Contact Information:

Contact First Name:

Contact Last Name:

Contact Telephone Number:

Contact FAX Number:

Contact E-mail address:

17. Will this project focus on health, safety or environmental issues?

No{ Yes/No/?? if you don't know at this time }

If Yes: Explanation? []

18. Additional Explanatory Notes: { Item Number and Explanation }

2002-06-20

IEEE C802.16sgm-02/14

The PAR Copyright Release and Signature Page must be submitted either by FAX to 732-562-1571 or as an e-mail attachment in .pdf format to the NesCom Administrator before this PAR will be sent on for NesCom and Standards Board approval.