

## 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):  
P802.16

2. Sponsor Date of Request: 20-Jun-03

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 IEEE Standard for Local and metropolitan area networks - Part 16:  
Air Interface for Fixed Broadband Wireless Access Systems

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) 802.16-2001, amended by 802.16c-2002 and 802.16a-2003 (####-YYYY)
- Amendment to an existing standard (indicate Number and year existing standard was published in box to the right) (####-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 802.16d – 2002-12-11 (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: +1 (303) 497 3037

FAX: +1 509 756 2642  
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: C/LM and MTT

Sponsor Committee Chair:

First Name: Paul              Last Name: Nikolich

Telephone: 978 749 9999 x246

FAX: 978 749 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: 21-Nov-03

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: 3-Dec-31

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 project integrates IEEE Stds 802.16, 802.16a, and 802.16c into a single document. The content will be substantially unchanged, with all major features retained. No new MAC or PHY modes will be added. Content may be added or revised to improve performance, ease deployment, or replace incorrect, ambiguous, incomplete, or inconsistent material. System profiles for 2-11 GHz operation will be added to Clause 12.

## 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).]:

The revision will aid the reader in understanding the material by integrating it into one document. Corrections will improve the operation of systems based on the standard. The specific addition of named system profiles for 2-11 GHz operation will aid the deployment of interoperable systems.

## 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?

No

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

No

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

No

Explanation:

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?

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

If Yes, please answer the following questions:

International Committee Name and Number:

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}

(12) An appropriate Scope statement for insertion in the draft is:

"This standard specifies the air interface, including the medium access control layer (MAC) and physical layer (PHY), of fixed broadband wireless access (BWA) systems providing multiple services. The MAC is structured to support multiple PHY specifications, each suited to a particular operational environment. The standard applies to appropriate spectrum between 2 and 66 GHz."

(13) An additional purpose is to satisfy the "IEEE-SA Standards Board Operations Manual" requirement that "up to two amendments shall be approved before the standard shall be revised or reaffirmed, unless the base standard has been approved or reaffirmed within the past two years."

An appropriate Purpose statement for insertion in the draft is:

"This standard enables rapid worldwide deployment of innovative, cost-effective, and interoperable multivendor broadband wireless access products, facilitates competition in broadband access by providing alternatives to wireline broadband access, encourages consistent worldwide spectrum allocations, and accelerates the commercialization of broadband wireless access."

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.