

Proposed Content of P802.16m PAR extension request of December 2010

P802.16m

This PAR is valid until 31-Dec-2010. The original PAR was approved on 06-Dec-2006

PAR Extension Request Date: 11-Oct-2010

Extension Request Submitter Email: r.b.marks@ieee.org

Why is an extension required?: This complex project was timed to align with the IMT-Advanced development process of ITU-R. Although IEEE Sponsor Ballot is in progress, it is not possible to ensure its completion in 2010. Thus, the PAR stands to time out at the end of 2010 until renewed.

Do the title, scope and purpose match that of the current draft?: Yes

Number of Previous Extensions Requested: 0

Number of Years Being Requested: 1

Document Development Information

a. What date did you begin writing the first draft?: 11-Dec-2008

b. How many people are actively working on the project?: 200

c. How many times a year does the working group meet?

In person?: 7

Via teleconference?: 0

d. How many times a year is a draft circulated to the working group via electronic means?: 7

e. What percentage of the Draft is stable?: 90%

f. How many significant work revisions has the Draft been through?: 9

Project Plan

When will IEEE sponsor balloting begin?: 09-Jun-2010

When do you expect to submit the proposed standard to RevCom?: 18-Feb-2011

Has this document already been adopted by another source?: No

For an extension request, the information on the original PAR below is not open to modification.

Submitter Email: r.b.marks@ieee.org

Type of Project: Amendment to IEEE Standard 802.16-2004

PAR Request Date: 08-Nov-2006

PAR Approval Date: 06-Dec-2006

PAR Expiration Date: 31-Dec-2010

Status: PAR for an Amendment to an existing IEEE Standard

1.1 Project Number: P802.16m

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Title: IEEE Standard for Local and Metropolitan Area Networks - Part 16: Air Interface for Fixed and Mobile Broadband Wireless Access Systems - Amendment: Advanced Air Interface

3.1 Working Group: Broadband Wireless Access Working Group (C/LM/WG802.16)

Contact Information for Working Group Chair

Name: Roger Marks

Email Address: r.b.marks@ieee.org

Phone: 1 619 393 1913

Contact Information for Working Group Vice-Chair

None

3.2 Sponsoring Society and Committee: IEEE Computer Society/LAN/MAN Standards Committee (C/LM)

Contact Information for Sponsor Chair

Name: Paul Nikolich

Email Address: p.nikolich@ieee.org

Phone: 857.205.0050

Contact Information for Standards Representative

None

3.3 Joint Sponsor: IEEE Microwave Theory and Techniques Society (MTT)

Contact Information for Sponsor Chair

None

Contact Information for Standards Representative

None

4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 03/2009

4.3 Projected Completion Date for Submittal to RevCom: 11/2009

5.1 Approximate number of people expected to be actively involved in the development of this project: 300

5.2 Scope: This standard amends the IEEE 802.16 WirelessMAN-OFDMA specification to provide an advanced air interface for operation in licensed bands. It meets the cellular layer requirements of IMT-Advanced next generation mobile networks. This amendment provides continuing support for legacy WirelessMAN-OFDMA equipment.

5.3 Is the completion of this standard dependent upon the completion of another standard: Yes

If yes please explain: The project is dependent on the completion of IMT-Advanced requirements on a timely basis.

5.4 Purpose: The purpose of this standard is to provide performance improvements necessary to support future advanced services and applications, such as those described by the ITU in Report ITU-R M.2072.

5.5 Need for the Project: The International Telecommunications Union Radiocommunications Sector (ITU-R), is developing the IMT-Advanced radio interface standards to provide advanced air interface specifications for mobile telecommunications. Under the current schedule, initial proposals for IMT-Advanced are anticipated to be solicited for mid-2008, and standardization is expected to continue through 2009. This project will seek to develop an advanced IEEE 802.16 air interface by working cooperatively with ITU-R and its members.

5.6 Stakeholders for the Standard: Vendors developing IEEE 802.16 products, licensed carriers using IEEE 802.16 products, members of the WiMAX Forum and members of ITU-R.

Intellectual Property

6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: No

6.1.b. Is the Sponsor aware of possible registration activity related to this project?: No

7.1 Are there other standards or projects with a similar scope?: No

7.2 Joint Development

Is it the intent to develop this document jointly with another organization?: No

8.1 Additional Explanatory Notes (Item Number and Explanation): The title of this PAR should be: "IEEE Standard for Local and metropolitan area networks - Part 16: Air Interface for Fixed and Mobile Broadband Wireless Access Systems Advanced Air Interface" However, the automatic PAR titling system does not permit the assignment of this name. Note that the base of the title must contain the words "and Mobile". These words are not in the title of IEEE 802.16-2006, but the title was modified by IEEE 802.16e-2005. 3.3 5.2 Scope

Some of the specific requirements that this amendment will target are:

100 Mbit/s - high mobility

Frequency bands - licensed mobile bands below 6 GHz

Target cell size: Micro and Macro-cells as defined in Table 7-15 of Report ITU-R M.2078

"IMT" is an ITU-R abbreviation for "international mobile telecommunications".