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06 December 2006

Paul Nikolich
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Lynnfield, MA 01940
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Re: P802.16 - IEEE Standard for Local and metropolitan area networks - Part 16: Air Interface for Fixed Broadband Wireless Access Systems - Amendment: IEEE Standard for Local and metropolitan area networks - Part 16: Air Interface for Fixed and Mobile Broadband Wireless Access Systems – Advanced Air Interface

Dear Paul:

I am pleased to inform you that on 06 December 2006 the IEEE-SA Standards Board approved the above referenced project until 06 December 2010. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/802-16m.pdf>.

Now that your project has been approved, please forward a roster of participants involved in the development of this project. This request is in accordance with the IEEE-SA Operations Manual, Clause 5.1.2i under Duties of the Sponsor which states:

"Submit annually to the IEEE Standards Department an electronic roster of individuals participating on standards projects"

For your convenience, an Excel spreadsheet for your use has been posted on our website at <http://standards.ieee.org/guides/par/roster.xls>. Please forward this list to me via e-mail at s.hampton@ieee.org no later than 06 March 2007.

Please visit our website, IEEE Standards Development Online (<http://standards.ieee.org/resources/development/index.html>), for tools, forms and training to assist you in the standards development process. Also, we strongly recommend that a copy of your draft be sent to this office for review prior to the final vote by the working group to allow for a quick review by editorial staff before sponsor balloting begins.

If you should have any further questions, please contact me at +1 732 562 6003 or by email at s.hampton@ieee.org.

Sincerely,

Sherry Hampton
Administrator, Governance
Standards Activities
Phone +1 732 562 6003
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CC: r.snyder@ieee.org, r.b.marks@ieee.org

PAR Request Date: 08 November 2006**PAR Approval Date:** 06 December 2006**PAR Signature Page on File:** Yes**Type of PAR:** Amendment to IEEE Standard**Status:** Amendment to an Existing IEEE Std 802.16-2004**Root Project:****1.1 Project No.:** **P802.16m****1.2 Type of Document:** Standard**1.3 Life Cycle:** Full-Use**1.4 Is this document in ballot now?** No**2.1 Title**

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

2.1 Amendment/Corrigenda Title

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

3.1 Working Group Name [Broadband Wireless Access Working Group](#)**Working Group Chair**
[Marks, Roger B](#)
Phone: 1-303-725-4626
Email: r.b.marks@ieee.org**Working Group Vice Chair****3.2 Sponsor** [IEEE Computer Society Local and Metropolitan Area Networks \(C/LM\)](#)**Sponsor Chair**
[Nikolich, Paul](#)
Phone: 857-205-0050
Email: p.nikolich@ieee.org**Name of Standards Liaison Representative (if applicable)****3.3 Joint Sponsor**
[IEEE Microwave Theory and Techniques Society \(MTT\)](#)
[Snyder, Richard](#)
Phone: (201) 492-1207
Email: r.snyder@ieee.org**4.1 Type of Ballot:** Individual**4.2 Expected Date of Submission for Initial Sponsor Ballot:** March 2009**4.3 Projected Completion Date for Submittal to RevCom:** November 2009**5.1 Approximate number of people expected to work on 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 document contingent upon the completion of another document?** Yes
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.

6.1.a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR prior to the PAR submittal to the IEEE-SA Standards Board? Yes Presented Date: 2006-11-13

If no, please explain:

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

If yes, please explain:

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

If yes, please explain:

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

If yes, please explain:

It is anticipated that other standards will also be submitted to the ITU-R for IMT-Advanced. At this time, there is no indication about the number of standards that may be proposed or the number of standards that may be adopted by the ITU-R for IMT-Advanced. Other IEEE 802 projects have the opportunity to target aspects of IMT-Advanced.

Sponsor Organization:

Project/Standard Number:

Project/Standard Date: 0000-00-00

Project/Standard Title:

7.2 Is there potential for this standard (in part or in whole) to be adopted by another national, regional, or international organization? ? Yes

Technical Committee Name and Number: ITU

Contact person: [José M Costa](#)

Contact person Phone Number: 1-613-763-7574

Contact person Email Address: costa@nortel.com

7.3 Will this project result in any health, safety, security, or environmental guidance that affects or applies to human health or safety? No

7.4 Additional Explanatory Notes:

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".

8.1 Sponsor Information:

Is the Scope of this project within the approved scope/definition of the Sponsor's Charter? Yes

If no, please explain: