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10 December 2004

Paul Nikolich  
18 Bishops Lane  
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paul.nikolich@att.net

Re: P802.16h - Amendment to IEEE Standard for Local and Metropolitan Area Networks - Part 16: Air Interface for Fixed Broadband Wireless Access Systems - Improved Coexistence Mechanisms for License-Exempt Operation.

Dear Paul:

I am pleased to inform you that on 08 December 2004 the IEEE-SA Standards Board approved the above referenced project until 31 December 2008. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/802-16h.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 [j.haasz@ieee.org](mailto:j.haasz@ieee.org) no later than 8 March 2005.

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 732-562-6367 or by email at [j.haasz@ieee.org](mailto:j.haasz@ieee.org).

Sincerely,

Jodi Haasz  
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International Stds Programs and Governance  
Standards Activities  
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cc: [r.b.marks@ieee.org](mailto:r.b.marks@ieee.org)

# PAR FORM

**PAR Status:** Amendment of Standard

**PAR Approval Date:** 2004-12-08

**PAR Signature Page on File:** Yes

**1. Assigned Project Number:** 802.16h

**2. Sponsor Date of Request:** 2004-10-15

**3. Type of Document:** Standard for

**4. Title of Document:**

**Draft:** Amendment to IEEE Standard for Local and Metropolitan Area Networks - Part 16: Air Interface for Fixed Broadband Wireless Access Systems - Improved Coexistence Mechanisms for License-Exempt Operation.

**5. Life Cycle:** Full-Use

**6. Type of Project:**

**6a. Is this an update to an existing PAR?** No

**6b. The Project is a:** Amendment to Std IEEE 802.16-2004

**7. Working Group Information:**

**Name of Working Group:** IEEE 802.16 Working Group on Broadband Wireless Access

**Approximate Number of Expected Working Group Members:**200

**8. Contact information for Working Group Chair:**

**Name of Working Group Chair:** Roger B Marks

**Telephone:** 303-497-3037 **FAX:** 303-497-7828

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

**9. Contact information for Co-Chair/Official Reporter, Project Editor or Document Custodian if different from the Working Group Chair:**

**Name of Co-Chair/Official Reporter, Project Editor or Document Custodian:**

**Telephone: FAX:**

**Email:**

**10. Contact information for Sponsoring Society or Standards Coordinating Committee:**

**Name of Sponsoring Society and Committee:** Computer Society Local and Metropolitan Area Networks

**Name of Sponsoring Committee Chair:** Paul Nikolich

**Telephone:** 857-205-0050 **FAX:** 781-334-2255

**Email:** paul.nikolich@att.net

**Name of Liaison Rep. (if different from the Sponsor Chair):**

**Telephone: FAX:**

**Email:**

**Name of Co-Sponsoring Society and Committee:** Microwave Theory and Techniques Society

**Name of Co-Sponsoring Committee Chair:**

**Telephone: FAX:**

**Email:**

**Name of Liaison Rep. (if different from the Sponsor Chair):**

**Telephone: FAX:**

**Email:**

**11. The Type of ballot is:** Individual Sponsor Ballot

**Expected Date of Submission for Initial Sponsor Ballot:** 2006-10-02

**12. Fill in Projected Completion Date for Submittal to RevCom:** 2007-03-20

**Explanation for Modified PAR that completion date is being extended past the original four-year life of the PAR:**

**13. Scope of Proposed Project:**

This amendment specifies improved mechanisms, as policies and medium access control enhancements, to enable coexistence among license-exempt systems based on IEEE Standard 802.16 and to facilitate the coexistence of such systems with primary users.

**Is the completion of this document contingent upon the completion of another document?** No

**14. Purpose of Proposed Project:**

This amendment provides measures to increase the efficiency and robustness of license-exempt operation.

**14a. Reason for the standardization project:**

This standard will improve the coexistence in license-exempt (LE) operation for IEEE 802.16 fixed wireless systems. It will reduce the potential for interference caused by such systems sharing the same LE bands. The mechanisms specified need to be widely implemented and interoperable for their benefits to be realized, so standardization is required. As result there will be improved user service experience and increased robustness and efficiency of spectrum use. This will expand the market opportunities for enterprise, service provider, and consumer applications.

**15. Intellectual Property:**

**Has the sponsor reviewed the IEEE patent policy with the working group?** Yes

**Is the sponsor aware of copyrights relevant to this project?** No

**Is the sponsor aware of trademarks relevant to this project?** No

**Is the sponsor aware of possible registration of objects or numbers due to this project?** No

**16. Are there other documents or projects with a similar scope?** No

**Similar Scope Project Information:**

**17. Is there potential for this document (in part or in whole) to be adopted by another national , regional or international organization?** Yes

**If yes, please answer the following questions:**

**Which International Organization/Committee?** ITU

**International Contact Information?** Jose M Costa  
Nortel Networks  
3500 Carling Ave., P.O. Box C-3511  
Ottawa, Ontario K1Y 4H7  
Canada  
613-763-7574  
613-765-1225  
costa@nortelnetworks.com

**18. If the project will result in any health, safety, or environmental guidance that affects or applies to human health or safety, please explain in five sentences or less.**

No.

**19. Additional Explanatory Notes: (Item Number and Explanation)**

