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31 March 2006

Paul Nikolich  
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Re: P802.19 - Recommended Practice for Information Technology – Telecommunications and information exchange between systems – Local and metropolitan networks – Specific requirements – Part 19: Methods for assessing coexistence of wireless networks

Dear Paul:

I am pleased to inform you that on 30 March 2006 the IEEE-SA Standards Board approved the above referenced project until 31 December 2010. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/802-19.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 28 June 2006.

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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# PAR FORM

**PAR Status:** New PAR

**PAR Approval Date:** 30 March 2006

**PAR Signature Page on File:** Yes

**1. Assigned Project Number:** P802.19

**2. Sponsor Date of Request:** 2006-02-03

**3. Type of Document:** Recommended Practice for

**4. Title of Document:**

**Draft:** Recommended Practice for Information Technology – Telecommunications and information exchange between systems – Local and metropolitan networks – Specific requirements – Part 19: Methods for assessing coexistence of wireless networks

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

**6. Type of Project:**

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

**6b. The Project is a:** New Standard

**7. Working Group Information:**

**Name of Working Group:** Coexistence TAG

**Approximate Number of Expected Working Group Members:**16

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

**Name of Working Group Chair:** Stephen Shellhammer

**Telephone:** 858-658-1874 **FAX:** 858-651-3004

**Email:** shellhammer@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:** IEEE Computer Society Local and Metropolitan Area Networks

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

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

**Email:** p.nikolich@ieee.org

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

**Telephone:** **FAX:**

**Email:**

**Name of Co-Sponsoring Society and Committee:**

**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:** March 2008

**12. Projected Completion Date for Submittal to RevCom:** September 2008

**Target Extension Request Information for a Modified PAR whose completion date is being extended past the original four-year life of the PAR:**

**13. Scope of Proposed Project:**

This Recommended Practice describes methods for assessing coexistence of wireless networks. The document defines recommended coexistence metrics and methods of computing these coexistence metrics. The focus of the document is on IEEE 802 wireless networks, though the methods developed here may be applicable in other standards development organizations and development communities.

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

**14. Purpose of Proposed Project:**

The purpose of this document is to recommend methods to evaluate the coexistence of wireless networks.

**15. Reason for the Proposed Project:**

The IEEE 802 executive committee has adopted a rule that new wireless standards for unlicensed wireless networks must assess the coexistence of the proposed standard with existing standards. If industry develops standards for wireless networks operating in shared frequency bands without having recommended methods for assessing how well these wireless networks coexist, that will have a negative impact on the industry. One of the benefits of this document is to provide standardized means to predict how well wireless networks will coexist. The prediction of coexistence will guide the standards development engineers to develop improved wireless standards. The stakeholders include, but are not limited to, wireless standards development organizations, such as IEEE 802.

**16. Intellectual Property:**

- a. **Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR?** Yes 2006-01-17
- b. **Is the sponsor aware of copyright permissions needed for this project?** No
- c. **Is the sponsor aware of trademarks that apply to this project?** No
- d. **Is the sponsor aware of possible registration activity related to this project?** No

**17. Are there other documents or projects with a similar scope?** Yes

IEEE P1900.2 is developing a Recommended Practice for Interference and Coexistence Analysis. That project is much broader than what is being proposed in this PAR. The P1900.2 PAR covers any radio system operating in either co-channel or adjacent channel. In contrast, this 802.19 PAR is focused on IEEE 802 wireless standards. By focusing on 802 wireless standards this project complements the work of P1900.2. The stakeholders P1900.2 are manufacturers of radio equipment, wireless system operators, spectrum managers and planers and government spectrum regulators. The primary stakeholders of P802.19 are wireless standards development organizations. The chairs of 802.19 and 1900.2 have established liaisons and have been sharing liaison reports between the two organizations.

**Similar Scope Project Information:**

SimSP: EMC and Communication Societies SimProjNo: P1900.2 SimProjD: 20-03-2005 SimTitle: Recommended Practice for Interference and Coexistence Analysis

**18. Is there potential for this document (in part or in whole) to be adopted by another national , regional or international organization?** No

**If yes, the following questions must be answered:**

**Organization Name?**  
**Technical Committee**  
**International Contact Information?**

**19. Will this project result in any health, safety, or environmental guidance that affects or applies to human health or safety?** No

**If yes, please explain:**

**20. Sponsor Information**

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

**If no, please explain:**

**b. The Sponsor's procedures have been accepted by the IEEE-SA Standards Board Audit Committee? Yes**

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

Item 13: The intent of this recommended practice is to enable coexistence analysis where at least one of the wireless systems being evaluated for coexistence is an 802 wireless network. The other wireless system can be either another 802 wireless network or any wireless system. Item 14: Industry continues to develop new standards and specifications for wireless networks which operate in frequency bands shared with other wireless networks. In IEEE 802 alone there are multiple working groups that develop standards that operate in frequency bands shared by other wireless networks. The working groups in 802 that develop such standards include: 802.11, 802.15, 802.16, and 802.22. The wireless networks to be considered in this project operate in a shared frequency band, however, that does not prevent the project from considering out-of-band interference.