

PAR FORM

PAR Status: New PAR (Unapproved PAR)

PAR Approval Date: 0000-00-00

PAR Signature Page on File: Yes

1. Assigned Project Number: 1900.2

2. Sponsor Date of Request: 2005-02-02

3. Type of Document: Recommended Practice for

4. Title of Document:

Draft: Recommended Practice for Interference and Coexistence Analysis

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: WG on 1900.2

Approximate Number of Expected Working Group Members:30

8. Contact information for Working Group Chair:

Name of Working Group Chair: Stephen Berger

Telephone: 512-864-3365 **FAX:** 512-869-8709

Email: stephen.berger@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: Electromagnetic Compatibility Society

Name of Sponsoring Committee Chair: Stephen Berger

Telephone: 512-864-3365 **FAX:** 512-869-8709

Email: stephen.berger@ieee.org

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

Telephone: **FAX:**

Email:

Name of Co-Sponsoring Society and Committee: Communications Society Standards

Committee**Name of Co-Sponsoring Committee Chair:** Raouf Boutaba**Telephone:** 519-888-4820 **FAX:** 519-885-1208**Email:** rboutaba@bbcr.uwaterloo.ca**Name of Liaison Rep. (if different from the Sponsor Chair):** Raymond Hapeman**Telephone:** 732-671-3661 **FAX:****Email:** r.hapeman@ieee.org**11. The Type of ballot is:** Individual Sponsor Ballot**Expected Date of Submission for Initial Sponsor Ballot:** February 2008**12. Projected Completion Date for Submittal to RevCom:** August 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 standard will provide technical guidelines for analyzing the potential for coexistence or in contrast interference between radio systems operating in the same frequency band or between different frequency bands.

Is the completion of this document contingent upon the completion of another document?

No

14. Purpose of Proposed Project:

New concepts and technologies are rapidly emerging in the fields of spectrum management, policy defined radio, adaptive radio and software defined radio. A primary goal of these initiatives is to improve spectral efficiency. This standard will provide guidance for the analysis of coexistence and interference between various radio services.

15. Reason for the Proposed Project:

This standard will provide guidance on how to estimate the co-channel, adjacent channel and out-of-band interference under a variety of scenarios. Factors to be used in these analyses will be detailed. Recommended values for parameters such as propagation loss under different deployment scenarios will be provided. Having consensus methods of analysis is essential in order to evaluate the relative effectiveness of various techniques proposed to improve coexistence among radio services. The stakeholders for the project are manufacturer's of radio equipment, wireless system operators, spectrum managers and planers and government spectrum regulators.

16. Intellectual Property:**a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR?** Yes 2004-12-07**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? No

Similar Scope Project Information:

18. Is there potential for this document (in part or in whole) to be adopted by another national , regional or international organization? Do not know at this time

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)