

[Email This Letter](#)

12 May 2005

Stephen Berger
TEM Consulting LP
140 River Road
Georgetown, TX 78628
stephen.berger@ieee.org

Re: P1900.3 - Recommended Practice for Conformance Evaluation of Software Defined Radio (SDR) Software Modules

Dear Stephen:

I am pleased to inform you that on 10 May 2005 the IEEE-SA Standards Board approved the above referenced project until 31 December 2009. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/1900-3.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 no later than 08 August 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.

Sincerely,

Jodi Haasz
Program Manager
International Stds Programs and Governance
Standards Activities
Phone +1 732 562 6367
FAX +1 732 875 0695
Email: j.haasz@ieee.org

CC: andre.kruetefeldt@sun.com, rboutaba@bbcr.uwaterloo.ca, adg@ieee.org

PAR FORM

PAR Status: New PAR

PAR Approval Date: 2005-05-10

PAR Signature Page on File: Yes

1. Assigned Project Number: P1900.3

2. Sponsor Date of Request: 2005-03-17

3. Type of Document: Recommended Practice for

4. Title of Document:

Draft: Recommended Practice for Conformance Evaluation of Software Defined Radio (SDR)
Software Modules

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 1900.3

Approximate Number of Expected Working Group Members:10

8. Contact information for Working Group Chair:

Name of Working Group Chair: Andre Kruetefeldt

Telephone: +1 650 352 4754 **FAX:** +1 650 352 4754

Email: andre.kruetefeldt@sun.com

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
Standards Development Committee

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): Alexander D Gelman

Telephone: 609-734-7345 **FAX:** 609-987-8827

Email: adg@ieee.org

11. The Type of ballot is: Individual Sponsor Ballot

Expected Date of Submission for Initial Sponsor Ballot: September 2008

12. Projected Completion Date for Submittal to RevCom: September 2009

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 will provide technical guidelines for analyzing Software Defined Radio (SDR) software modules to ensure compliance with regulatory and operational requirements.

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, defined in P1900.1. A primary purpose of this initiative is to provide recommended practices that will help assure compliance with requirements for spectrum use by using formal mathematical concepts and methods. The methods developed in this document will provide an initial evaluation to be used before hardware testing and will support the evaluation being developed in P1900.2. This recommended practice will provide guidance for validity analysis of proposed SDR terminal software prior to programming and activation of an SDR terminal or SDR components.

15. Reason for the Proposed Project:

This recommended practice will provide guidance on how to estimate the conformance with relevant specifications of software intended for deployment into a SDR terminal. Concepts and methods to be used in these analyses will be detailed. Recommended practices will be developed to support quality control and testing. The goal of this effort is to assure that SDR software can be deployed with high confidence that it will operate within prescribed regulatory and operational limits. The guideline will apply to wireless network operators and terminal equipment manufacturers to help them define test guidelines that conform to SDR technologies, as described in 1900.1, to be licensed by regulatory authorities.

16. Intellectual Property:

- a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR? Yes 2005-02-21
- 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)