

PAR FORM

PAR Status: New PAR (Unapproved PAR)

PAR Approval Date: 0000-00-00

PAR Signature Page on File: Yes

1. Assigned Project Number: 1900.1

2. Sponsor Date of Request: 2004-01-04

3. Type of Document: Standard for

4. Title of Document:

Draft: Standard Terms, Definitions and Concepts for Spectrum Management, Policy Defined Radio, Adaptive Radio and Software Defined Radio

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: Working Group for 1900.1

Approximate Number of Expected Working Group Members:30

8. Contact information for Working Group Chair:

Name of Working Group Chair: James Hoffmeyer

Telephone: 303-828-5240 **FAX:** 303-828-5244

Email: jhoffmeyer@research.panasonic.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: Communications Society Standards Committee

Name of 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

Name of Co-Sponsoring Society and Committee: Electromagnetic Compatibility Society
Standards Development Committee

Name of Co-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:

11. The Type of ballot is: Individual Sponsor Ballot

Expected Date of Submission for Initial Sponsor Ballot: February 2007

12. Projected Completion Date for Submittal to RevCom: August 2007

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 technically precise definitions and explanations of key concepts in the fields of spectrum management, policy defined radio, adaptive radio, software defined radio, and related technologies. The document will go beyond simple, short definitions by providing amplifying text that explains these technologies from different perspectives. The document will also describe how these technologies interrelate and can be use in a wide variety of communication service environments to achieve new capabilities while at the same time providing mechanisms supportive of new spectrum management paradigms and spectrum access.

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, software defined radio, reconfigurable radio and networks and related technologies. Many of the terms used do not have precise definitions or have multiple definitions. This document will facilitate the development of these technologies by clarifying the terminology and how these technologies relate to each other.

15. Reason for the Proposed Project:

Lack of clear definitions and general agreement on key terms is an impediment to the deliberation and debate necessary to the refinement of new concepts and technologies. This document will assist this process by clarifying the terminology and how these technologies relate to each other. Further, it will provide a valuable resource for new entrants to the arena. The stakeholders for this project will be manufacturers of licensed/unlicensed wireless communications equipment, chip manufacturers, wireless communication service providers and regulators.

16. Intellectual Property:

a. Has the IEEE-SA policy on intellectual property been presented to those responsible for

preparing/submitting this PAR? Yes 2005-01-06

- 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)