

PAR FORM

08/14/02

PAR Status: Revision of Amendment

PAR Approval Date: 08/15/2002

PAR Signature Page on File: Yes

Review of Standards Development Process: No

1. Assigned Project Number: 802.16.2a

2. Sponsor Date of Request: 07/12/2002

3. Type of Document: Recommended Practice for

4. Title of Document:

Draft: Local and Metropolitan Area Networks - Amendment to Recommended Practice for Coexistence of Fixed Broadband Wireless Access Systems

5. Life Cycle: Full Use

6. Type of Project:

6a. Is this an update to an existing PAR? Yes

If YES: Indicated PAR number/approval date: 802.16.2a-08/17/2001

If YES: Is this project in ballot now? No

6b. The project is a: Amendment to Std. 802.16.2-2001

7. Contact Information of Working Group:

Name of Working Group (WG): IEEE 802.16 Working Group on Broadband Wireless Access

Name of Working Group Chair: Roger B Marks

Telephone: (303) 497-3037

FAX: (303) 497-3122

Email: r.b.marks@ieee.org

8. Contact Information of Official Reporter (If different than Working Group Chair)

Name of Official Reporter: (if different than WG Contact)

Telephone:

FAX:

Email:

9. Contact Information of 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: p.nikolich@ieee.org

Name of Liaison Rep.(If different than Sponsor Chair):

Telephone:

FAX:

Email:

10. The type of ballot is: Individual Sponsor Ballot

Expected Date of Submission for Initial Sponsor Ballot: 11/15/2002

11. Fill in Projected Completion Date for Submittal to RevCom: 3/31/2003

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

12. Scope of Proposed Project:

This project specifies extensions and modifications to IEEE Standard 802.16.2-2001 addressing two distinct topics. The first is coexistence between multipoint systems and point-to-point systems in the frequency range 10-66 GHz, with a focus on the range 23.5 to 43.5 GHz. The second topic is coexistence among fixed BWA systems operating in licensed bands within the frequency range 2-11 GHz. Clarifications and updates to the existing standard will also be considered.

13. Purpose of Proposed Project:

The purpose of this Amendment is to provide coexistence guidelines to license holders, service providers, deployment groups, and system integrators, covering coexistence with point-to-point systems (primarily from 23.5-43.5 GHz) and coexistence among licensed fixed BWA systems operating in the 2-11 GHz frequency range. The specifications will facilitate the deployment and operation of fixed BWA systems while minimizing the need for case-by-case coordination.

14. Intellectual Property

Sponsor has reviewed the IEEE patent policy with the working group? Yes

Sponsor is aware of copyrights relevant to this project? Yes

Sponsor is aware of trademarks relevant to this project? Yes

Sponsor is aware of possible registration of objects or numbers due to this project?No

15. Are you aware of other standards or projects with a similar scope? Yes

Administrations are developing general coordination criteria and procedures to allow fixed BWA operators to deploy systems. Detailed coexistence guidance, such as described in this PAR, is under development in other regional and international bodies. Studies addressing certain aspects of coexistence are being developed by or have been completed by organizations such as: International Telecommunications Union (ITU): ITU-R JRG 8A/9B and ITU-R 9B; European Telecommunications Standards Institute (ETSI): Technical Committee TM (Transmission and Multiplexing), Working Group TM4 (Fixed Radio Systems); Inter-American Telecommunication Commission (CITEL): Permanent Consultative Committee III: Radiocommunications (PCC-III); Association of Radio Industries and Businesses (ARIB): R&D Group for the Fixed Wireless Access System; National Spectrum Managers Association (NSMA); Radio Advisory Board of Canada (RABC); Conférence Européenne des Postes et Télécommunications (CEPT)

Similar Scope Project Information:

16. Is there potential for this standard (in part or in whole) to be submitted to an international organization for review/ adoption?

Do Not Know

If yes, please answer the following question:

Which International Organization/Committee?

International Contact Information:

17. Will this project focus on Health, Safety or Environmental Issues? No

18. Additional Explanatory Notes:(Item Number and Explanation)

(6) The PAR is being revised only to remove the following sentence from the Purpose statement: "A further purpose is to encourage voluntary procedures that facilitate a simpler licensing process for systems operating below 11 GHz, particularly in the 2.5 GHz MMDS/ITFS bands in the USA." RevCom requires that the standard reproduce the Purpose statement verbatim, but the draft does not include sufficient detail on this issue to warrant including such a statement. Other changes are made in order to comply with the current PAR format. The schedule has not changed. (9) Note that the project has two co-sponsors. This project is being sponsored by the Computer Society - LAN/MAN Committee and by the Microwave Theory and Techniques Society. (12) IEEE Standard 802.16.2-2001 concentrates on interference between fixed BWA systems with a multipoint architecture operating in the 23.5 to 43.5 GHz frequency range. In each interference scenario, the victim system has a point-to-multipoint architecture. This project will extend the analysis to include scenarios in which various types of point-to-point system (both those used by fixed BWA operators and those used as individually assigned links, commonly licensed on a "first-come, first-served" basis) are either the interferer or the victim. It will also add scenarios for multipoint systems operating at lower frequencies. New recommendations and guidelines will be developed appropriate to the new scenarios studied.