

IEEE-SA Standards Board Project Authorization Request (PAR) Form

1. Sponsor Date
of Request
1999 Nov 30

2. Assigned Project
Number
802.16.1

3. PAR Approval
Date
30 January 2000

{Copyright release must be submitted with appropriate signatures by postal
mail or FAX (+1-732-562-1571)}

PAR Signature Page on File

4. Project Title, Recorder and Working Group/Sponsor for this Project

Document type and title:

- Standard for{document stressing the verb "shall"}
- Recommended Practice for{document stressing the verb "should"}
- Guide for {document in which good practices are suggested}

Title: Telecommunications and Information Exchange Between Systems - LAN/MAN
Specific Requirements - Air Interface for Fixed Broadband Wireless Access
Systems

Name of Working Group (WG):

IEEE 802.16 Working Group on Broadband Wireless Access Name of Official Reporter
(usually the WG Chair) who must be an SA member as well as an IEEE/Affiliate
Member.

Roger B. Marks

Title in WG:

Chair

IEEE/Affiliate Member #

#####

Company:

National Institute of Standards and Technology

Telephone:

+1-303-497-3037

Address:

325 Broadway, MC 813.00

FAX:

+1-303-497-7828

City/State/Zip:

Boulder, CO 80303

Email:

r.b.marks@ieee.org

Name of Sponsoring Society and Committee:

Computer Society, LAN/MAN Standards Committee; Microwave Theory and Techniques Society

Name of Committee Sponsor Chair:

Jim Carlo, LAN/MAN Standards Committee

IEEE/Affiliate Member #

#####

Company:

Texas Instruments

Telephone:

#####

Address:

9208 Heatherdale Drive

FAX:

#####

City/State/Zip:

Dallas, TX 75243-6332

Email:

jcarlo@ti.com

5. Describe This Project; Answer each of four questions below:

a. Update an existing PAR Yes

If YES, indicate PAR Number/Approval Date

[<http://grouper.ieee.org/groups/802/16/interop/par_orig.html>802.16-1999]

If YES, attach a cover letter indicating changes/rationale for changes.

PURPOSE: The purpose of the revision is to renumber the PAR from "802.16" to "802.16.1". The PAR is also brought into the current format.

If YES, is this project in ballot now? [No]

b. Choose one from the following:

New Standard

Revision of existing standard {number and year}

Amendment (Supplement) to an existing standard {number and year}

Corrigenda to an existing standard {number and year}

c. Choose one from the following:

Full Use (5-year life cycle)

Trial Use (2-year life cycle)

d. Choose one from the following:

Individual Sponsor Balloting

Entity Sponsor Balloting

e. Fill in Target Completion Date to IEEE RevCom : 2001 Jan 31

6. Scope of Proposed Project:

This standard specifies the physical layer and media access control layer of the air interface of interoperable fixed point-to-multipoint broadband wireless access systems. The specification enables transport of data, video, and voice services. It applies to systems operating in the vicinity of 30 GHz but is broadly applicable to systems operating between 10 and 66 GHz.

7. Purpose of Proposed Project:

To enable rapid worldwide deployment of innovative, cost-effective, and interoperable multivendor broadband wireless access products. To facilitate competition in broadband access by providing alternatives to wireline broadband access. To facilitate coexistence studies, encourage consistent worldwide allocation, and accelerate the commercialization of broadband wireless access spectrum.

8. Intellectual Property

- a. Are you aware of any patents relevant to this project?
[Yes] {Yes, with detailed explanation below / No}

Companies that may hold relevant patents (issued or pending) include:

AMP Inc.
Cellularvision Technology & Telecommunications, L.P.*
CircuitPath Network Systems Corp.
Ensemble Communications, Inc.
Harris Corp.
Hughes Network Systems*
Netro Corp.
Nortel Networks
Philips Electronics
Raytheon Systems Company
SiCOM, Inc.
Stanford Telecom, Inc.
Texas Instruments*
WavTrace, Inc.
Wytec Inc.
*not participating in Study Group at time of PAR submission

- b. Are you aware of any copyrights relevant to this project?
[No]

- c. Are you aware of any trademarks relevant to this project?
[No]

- d. Are you aware of any registration of objects or numbers relevant to this project?
[No]

9. Are you aware of any other standards or projects with a similar scope?

[Yes] {Yes, with detailed explanation below / No}

The Broadband Radio Access Networks (BRAN) Committee of the European Telecommunications Standards Institute (ETSI) has a project known as HIPERACCESS which is in the early stages of an attempt to standardize broadband wireless access in Europe. This is a regional standards effort with limited participation by the rest of the world. Furthermore, the project addresses regional markets with specific regulatory conditions distinct from those of other areas. We have held a joint meeting with this group and appointed a liaison. We plan to coordinate with them and will seek harmony where possible.

10. International Harmonization

Is this standard planned for adoption by another international organization?
[Yes]

If Yes: Which International Organization [ITU-R]

If Yes: Include coordination in question 13 below

11. Is this project intended to focus on health, safety or environmental issues?

[No]

12. Proposed Coordination/Recommended Method of Coordination

Mandatory Coordination:

SCC 10 (IEEE Dictionary)

by DR

{Circulation of DRafts}

IEEE Staff Editorial Review by

by DR

SCC 14 (Quantities, Units and Letter symbols)

by DR

Coordination requested by Sponsor:

[ITU-R, including Joint Working Group 8A/9B]

by [LI]

{Circulation of DRafts/LIaison memb/COmmon memb}

[ETSI BRAN]

by [LI]

{Circulation of DRafts/LIaison memb/COmmon memb}

Coordination requested by Others:

{added by staff}

13. Additional Explanation Notes: {Item Number and Explanation}

As required by the LAN/MAN Standards Committee, documentation of
<<http://grouper.ieee.org/groups/802/16/interop/fivec.html>>how of the project
will address the Five Criteria for Standards Development is available.

The PAR Copyright Release and Signature Page must be submitted by FAX or
physical delivery before this PAR will be sent on for NesCom and Standards Board
approval.