Plan to Update 802.16 PARs

Document Number:
IEEE 802.16p-00/21

Date Submitted:
2000-11-06

Source:
Roger Marks
Brian Kiernan
Andy McGregor

Venue:
Session #10, Opening Plenary

Base Document:
IEEE 802.16-00/21 <http://ieee802.org/16/docs/00/80216-00_21.pdf>

Purpose:
To present a revision and maintenance plan for 802.16 PARs; to seek Working Group approval for this plan..

Notice:
This document has been prepared to assist IEEE 802.16. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.

Release:
The contributor grants a free, irrevocable license to the IEEE to incorporate text contained in this contribution, and any modifications thereof, in the creation of an IEEE Standards publication; to copyright in the IEEE’s name any IEEE Standards publication even though it may include portions of this contribution; and at the IEEE’s sole discretion to permit others to reproduce in whole or in part the resulting IEEE Standards publication. The contributor also acknowledges and accepts that this contribution may be made public by IEEE 802.16.

IEEE 802.16 Patent Policy:
The contributor is familiar with the IEEE 802.16 Patent Policy and Procedures (Version 1.0) <http://ieee802.org/16/ipr/patents/policy.html>, including the statement “IEEE standards may include the known use of patent(s), including patent applications, if there is technical justification in the opinion of the standards-developing committee and provided the IEEE receives assurance from the patent holder that it will license applicants under reasonable terms and conditions for the purpose of implementing the standard.”

Early disclosure to the Working Group of patent information that might be relevant to the standard is essential to reduce the possibility for delays in the development process and increase the likelihood that the draft publication will be approved for publication. Please notify the Chair <mailto:roger.marks@ieee.org> as early as possible, in written or electronic form, of any patents (granted or under application) that may cover technology that is under consideration by or has been approved by IEEE 802.16. The Chair will disclose this notification via the IEEE 802.16 web site <http://ieee802.org/16/ipr/patents/notices>.
Plan to Update 802.16 PARs

Roger Marks
Brian Kiernan
Andy McGregor
Summary

• In IEEE Standards Association, a PAR:
  – Authorizes a WG activity
  – Authorizes WG to draft a single standard for publication

• Title, Number, Type, and “Role” of PAR are critical

• Need to view the process from the output side [the resulting documents]

• Recommend revision and maintenance of all three 802.16 PARs
History

• March 1999: 802.16 approved
• Sept 1999: 802.16.2 approved
• January 2000: 802.16 => 802.16.1
• March 2000: : 802.16.3 approved

• 802.16.1, 802.16.3: “Standard”
• 802.16.2: “Recommended Practice”

• Each is a “New Standard”
  – (standalone document)
Problems with Titles

• Titles were chosen to conform to 802 conventions, but:
  – This was done incorrectly.
  – 802 conventions are not uniform.
  – Some styles are related to ISO/IEC.
  – Resulting titles are awkward:

  • Telecommunications and Information Exchange Between Systems - LAN/MAN Specific Requirements - Air Interface for Fixed Broadband Wireless Access Systems
Problems with Current Numbers

• Too complicated
• Too many “dots”
• Implies a proliferation of standards
• “Standard and “Recommended Practice” not distinguished
Choices of “Role”

- New Standard
- Revision of existing standard
- Corrigenda to an existing standard
  - substantive corrections and/or errata to a standard
- Amendment to an existing standard
  - additions to existing standards; may contain substantive corrections and/or errata to the standard
Proposal

• **802.16** to support two basic documents

  - **802.16**: Local and metropolitan area networks - Part 16: Standard Air Interface for Fixed Broadband Wireless Access Systems

  - **802.16RP**: Local and metropolitan area networks - Recommended Practice for Coexistence of Fixed Broadband Wireless Access Systems
Proposal for 802.16 Standard

• **802.16:**
  - Base Document: 802.16-2001 [10-66 GHz]

• **802.16a:**
  - Amendment
  - PHY for 2-11 GHz licensed bands
  - MAC adjustments to support PHY

• **802.16b:**
  - Amendment: Wireless HUMAN PHY, plus MAC update
**Future 802.16 Evolution**

- **802.16-200x [Revision]**
  - Incorporates:
    - 802.16
    - 802.16a
    - 802.16b

- **802.16RPa [Amendment to cover 2-11 GHz]**
  - => 802.16RP-200x [Revision]
Task Groups

• The Working Group creates all standards
• WG delegates drafting the standard to TG
  – TGs represent the WG’s expertise in a particular area
  – System does not support “conflict of interest” between TGs
• TG has no members
• TG exists only to draft standards
  – then it evaporates
• TG1 team leads “802.16” editorial work
• TG3 team leads 802.16a editorial work