

Plan to Update 802.16 PARs

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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..

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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