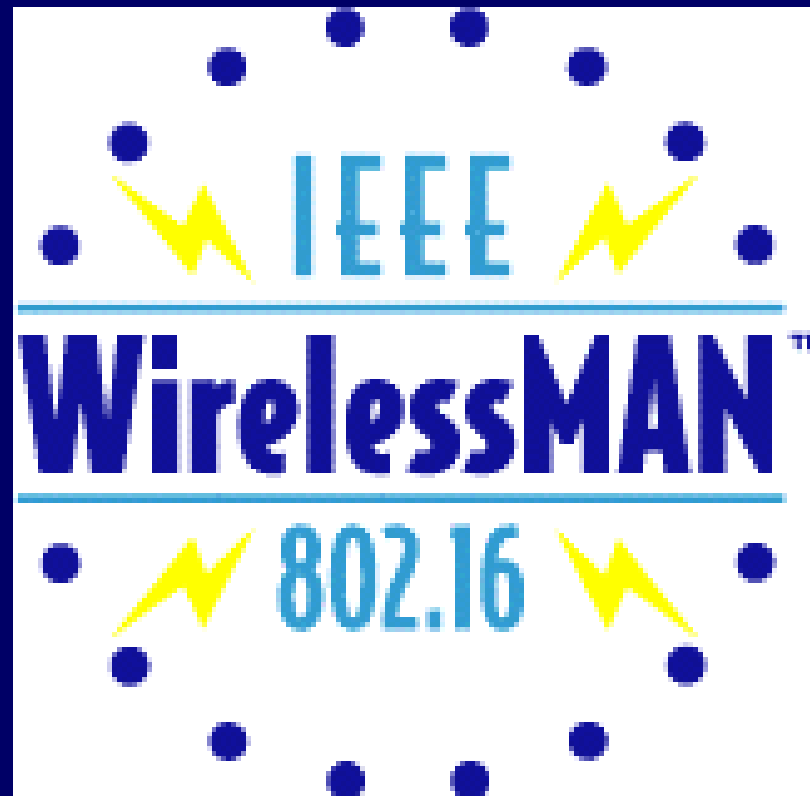


2001-11-12

IEEE 802.16

IEEE 802.16-01/57

Working Group on Broadband Wireless Access (BWA)



IEEE 802.16
Working Group on
Broadband Wireless Access

802.16 Session #16

Opening Plenary

12 November 2001

Hyatt Regency Austin, Hill Country

site of March 1999 802 Plenary

and birthplace of 802.16

Welcome

- **802.16 Culture (ala IEEE 802 culture)**
 - **Engineering Membership**
 - **Seeking Technical Consensus**
 - **Open (even by 802 standards)**
 - **Procedural**
 - **Contribution-Driven**
- **802 is extremely successful**
 - **802 is following the model**
 - **excellent record of progress**

802.16 Officers

- **Chair: Roger Marks**
- **Vice Chair: Brian Kiernan**
- **Secretary: Carl Bushue**
 - **Acting Secretary: Dean Chang**

Hotel Information

- **Hyatt Regency Austin**
 - **Most Working Groups**
 - **802.16**
 - **Hill Country ABC**
 - **Big Bend D**
- **Radisson**
 - **802.3**

Other Logistics

- **Projectors**
 - **TG3/4 PHY: #6**
 - **TG3/4 MAC: #4**
 - **TG2: #12**
- **802 CD-ROM**
 - **All published 802 standards**
 - **New process**
 - **Handed out to all registrants**
 - **Simplified logistics**

Resources

- **802.16's On-site server:**
 - **802.11b Wireless LAN; Ethernet**
 - **<http://10.0.1.16>**
 - **Windows File Sharing**
 - Workgroup or NT Domain: WORKGROUP
 - **AppleShare**
- **<http://ieee802.org/16>**
 - **Up to date as of Sunday, 11 November**
 - **May not be updated this week**

Agenda

- **Review Agenda for the Week**
- **Opening Plenary Agenda**

802.16 Members

- **Members**
- **Potential Members**
- **Members in Peril**
- **Voting Tokens**

Attendance Procedure

- **Membership is based on session participation**
- **“Participation” = 75%**
 - **6 out of 8 session intervals this week**
 - **Afternoon (Monday-Thursday)**
 - **Morning (Tuesday-Friday)**
- **Attendance Book Procedure**
 - **Two Books (TG3/4 PHY/MAC)**
 - **Folder for TG2**
 - **Initial if you attend “substantially the entire meeting interval”**

Chair's Report

- **Announcements**
- **Status**

Rights of All

- To subscribe to the 802.16 Email Reflector (and Focused Reflectors) and thereby be notified of document publication, meetings, minutes, ...
- To post to reflectors in accordance w/rules
- To examine documents
 - Copyright drafts may require purchase
- To contribute documents in response to a Call for Contributions.
- To submit comments in Working Group Letter Ballots.
- To attend and participate in 802.16 meetings, if registered.
- To join the Sponsor Balloting Pool.

Rights of Members & Observers

- To obtain draft standards from the IEEE 802.16 web site.
- To examine the Member and Observer contact databases.

Exclusive Rights of Membership

- To make or second a motion at any meeting of 802.16 or its subsidiaries.
- To vote, if and only if present, at any meeting of 802.16 or its subsidiaries.
- To vote in 802.16 Working Group Letter Ballots.
- To vote by email on any issue involving 802.16 or its subsidiaries.
- To lodge complaints about Working Group operation with the 802 Executive Committee.
- To petition the 802 Executive Committee in writing.

802.16 Membership

- **167 Members**
- **67 Potential Members**
- **4 Members in Peril**
- **62 Observers**

Individuality

- **Participation is by individual**
 - **Working Group members shall participate in the consensus process in a manner consistent with their professional expert opinion as individuals, and not as organizational representatives**
 - **Membership belongs to the individual, not an organization, and may not be transferred.**

Voting in Task Groups

- Only 802.16 Voting Members may vote in task Group meetings
 - Show Voting Token (badge with logo)

Basic Process Steps

Study Group

Develops plan to standardize

Creates PAR for 802 & IEEE approval

Task Group

a) Find Consensus on initial draft

Call for proposals

Consolidate

b) refine draft by

Working Group Letter Ballot (802.16)

Sponsor Ballot (IEEE and 802)

IEEE 802 Rules

5.1.4 Operation of the Working Group

- The operation of the Working Group has to be balanced between democratic procedures that reflect the desires of the Working Group members and the Working Group Chair's responsibility to produce a standard, recommended practice, or guideline, in a reasonable amount of time.
- Robert's Rules of Order shall be used in combination with these operating rules to achieve this balance.

Robert's Rules

- **In the debate each member has the right to speak twice on the same question on the same day (except on an appeal), but cannot make a second speech on the same question as long as any member who has not spoken on that question desires the floor.**

IEEE 802 Rules

5.1.4.1 Chair's Function

- **The Chair of the Working Group decides procedural issues. The Working Group members and the Chair decide technical issues by vote. The Working Group Chair decides what is procedural and what is technical.**
- **Note: 802.16 Chair delegates the power to make procedural decisions to the presiding Task Group Chair**

Legal and Antitrust

- **Any discussions that relate to the validity or cost of patent use shall be avoided.**
- **Any discussions or any material relating to an ongoing litigation shall be avoided.**
- **Any discussions of pricing or issues that would violate US antitrust laws shall be avoided.**

Patent Policy

- **See full details at 802.16 Web Site**
- IEEE 802.16 operates under the Patent Policy of the IEEE Standards Association, as set forth in Clause 6 of the IEEE-SA Standards Board Bylaws. This policy includes 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."

Patent Policy (continued)

IEEE 802.16 interprets "in the opinion of the standards-developing committee" as "in the opinion of the members of the Working Group." Early disclosure to the Working Group participants of patent information that might be relevant to the standard is essential to reduce the possibility for delays in the development process and to increase the likelihood that the draft publication will be approved for publication. IEEE 802.16 strives to make such information available as soon as possible for consideration by individual members in their voting decisions. However, in its meetings and electronic forums, IEEE 802.16 does not permit discussions concerning the validity or applicability of intellectual property claims.

Patent Procedures

Anyone, whether participating in IEEE 802.16 or not, should notify the Chair of any patents (granted or under application, and regardless of the assignee or the patent nationality) that may cover technology that is under consideration by or has been approved by IEEE 802.16. Such notification should be in written or electronic form (email is preferred) and need not make any statement concerning enforcement or licensing. The Chair will presume that such notification is intended for public release and will, as soon as practical, post it to the web along with other Patent Notices On File with IEEE 802.16. The Chair and the Working Group will take no position regarding the validity or applicability of any patents.

IEEE 802 LAN MAN Standards Committee (LMSC)

- **Sponsor Executive Committee (SEC)**
 - SEC Meeting 8-10:30 am Monday [open]
 - SEC Meeting 3-7 pm Friday [open]
 - Approve PARs
 - Approve starting Sponsor Ballot
 - Approve forward to RevCom
 - Other administrative issues
- **802 Opening Plenary**
 - Monday 11 - 12 am
 - Overview, for information only

802 Voting Items this Week

- **PARs**

- 802.1: “Ethertypes for Prototype and Vendor-Specific Protocol Development”

- <http://ieee802.org/1/mirror/8021/o-drafts/playpen/802a-par.htm>

- **To RevCom**

- P802.16

- P802.15.1

- **Election of new 802 Chair**

- Jim Carlo retires after this week

- Paul Nikolich elected (only candidate)

802 Wireless This Week

- **One 802 Tutorial:** (Texas 5-7, 6:30-8 pm) "The 802.16 WirelessMAN MAC: It's Done, but What is It?"
- **802 Coexistence Study Group**
 - Jim Lansford, Chair
 - Chartered March 2001; renewed in July
 - Expires November 2001
- **802.11 Regulatory Ad Hoc**
 - Vic Hayes, Chair
 - with participation of 802.11 and 802.15
- **802.11 5GHz Study Group**

IEEE 802.16 Projects

- Task Group 2: Coexistence
 - “P802.16.2a”
 - Amendment to IEEE Standard 802.16.2
- Task Group 1: 10-66 GHz
 - “P802.16”
- Task Group 3: 2-11 GHz, licensed
 - “P802.16a”
- Task Group 4: license-exempt, 5-6 GHz
 - “P802.16b”

Task Group 2: Coexistence

- 10-66 GHz
 - Recommended Practice 802.16.2
 - Approved by IEEE Standards Board, 6 July
 - Published 10 September 2001
 - Free at GetIEEE802 six months later
- P802.16.2a
 - Amendment

Task Group 1 Report

- **Air Interface for Fixed Broadband Wireless Access Systems (10-66 GHz)**
- **IEEE Draft P802.16/D5: 18 October**
 - for sale in IEEE catalog
- **IEEE Sponsor Ballot closed 28 October**
 - Passed (32 Approve, 1 Disapprove)
 - Approval request to RevCom, 24 October
 - On RevCom agenda for 5 December
 - Approval by IEEE Standards Board expected on 6 December

Task Group 1 Motion

- **The IEEE 802 Sponsor Executive Committee has not yet formally approved the submission of P802.16 to RevCom**
- **This is on the SEC agenda for Friday**
- **Motion: To request that the 802 SEC approve forwarding P802.16/D5-2001 to RevCom.**
 - SEC requires a vote count.

P802.16 Press Release

- [Preview here \(802.16-01/55\)](#)
- Publicity Chair refining this week
 - Working with IEEE-SA PR staff
- Approval at Closing Plenary
- Forward to 802 SEC for Friday approval
- Goes to IEEE-SA for release
 - Hold for 6 December
 - Coordinate with private press releases

P802.16 Publication

- **Standard will be published as soon as possible after approval**
- **IEEE Project Editor (Jennifer Longman) will edit (no technical changes)**
- **Errata list has been developed**
 - **tg1/errata.html**
 - **can be corrected before publication**
- **Technical errors require interpretation**
 - **can be corrected in an amendment**

Task Groups 3 and 4

- Task Group 3: 2-11 GHz, licensed
- Task Group 4: license-exempt, 5-6 GHz
- Each is an amendment to “P802.16”
 - New Physical Layers (PHYs)
 - Enhancements to 802.16 MAC
- Key issues:
 - Balloting Schedule (802.16ab-01/10)
 - Ballot one or two documents

Charge to Task Groups

- Complete the task on your agenda
 - Update agenda on bulletin board
- Prepare for next meeting
 - Call for Contributions, etc.
- Prepare for Closing Plenary
 - All motions to be in writing
- Document everything
 - submit documents before you leave
- Presentations to server 2 hours in advance
- Prepare input for Session #16 Report

ETSI BRAN HIPERMAN Report

- ETSI BRAN Liaison Letter
 - from ETSI BRAN Chair Jamshid Khun-Jush
 - 802.16I-01/20
- ETSI BRAN HIPERMAN Liaison Report
 - from Liaison Marianna Goldhammer
 - absent this week
 - 802.16I-01/21