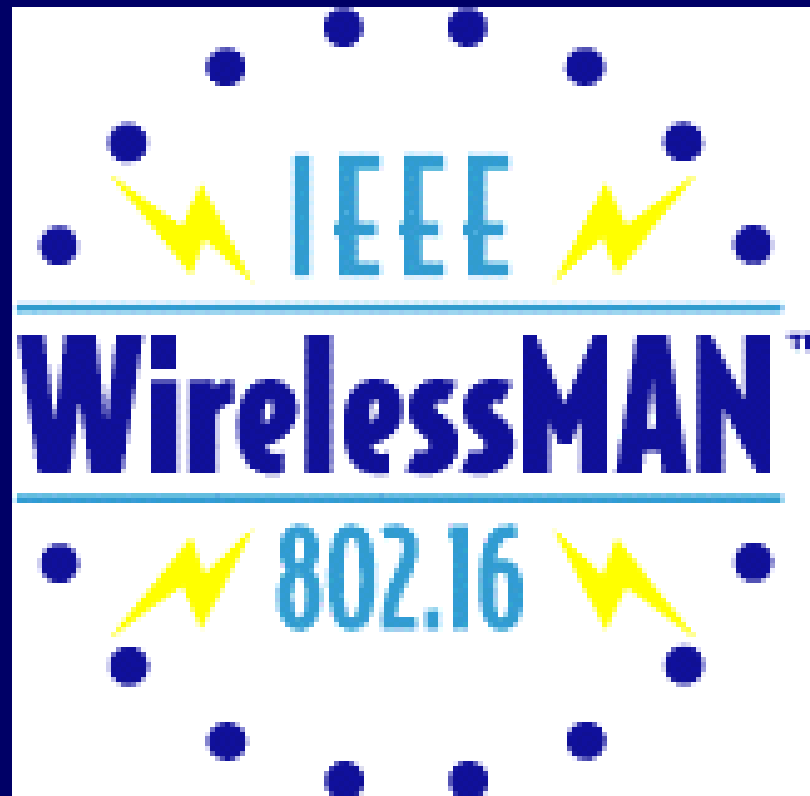


2002-05-15

IEEE 802.16

IEEE 802.16-02/23

# Working Group on Broadband Wireless Access (BWA)



**IEEE 802.16**  
**Working Group on**  
**Broadband Wireless Access**

**802.16 Session #19**

**Opening Plenary**

**20 May 2002**

**Sheraton Suites Calgary Eau Claire**  
**Calgary, Alberta, Canada**

# Opening Plenary Agenda

- **Introductions and Logistics** 10
- **Attendance, Voting, Rules, & Legal Announcements** 10
- **Approval of Session #18 minutes** 2
- **Review of schedule for the week** 3
- **802 SEC News and Issues** 15
- **Subgroup reports and plans** 60
  - TG2, TG1, TGc, TGa 40
  - MBWA Study Group 20
- **Liaison** 15
  - T1P1 5
  - ITU-R 5
  - ETSI BRAN 5
- **Future Sessions** 10
- **Publicity** 10
  - Session #19 Report
  - 802.16 Press Backgrounder
- **New Business** 15
- *Motion to Approve Opening Plenary Agenda*

# 802.16 Officers

- **Chair: Roger Marks**
- **Vice Chair: Paul Struhsaker**
- **Secretary: Dean Chang**

# Servers

- **On-site server:**
  - **<http://10.0.1.16>**
  - **802.11b Wireless LAN; Ethernet**
  - Private username/password:
    - attendee/May2002
    - 802.16 username/pass also works
- **Internet**
  - **<http://ieee802.org/16>**
    - Up to date as of Monday
    - May be updated this week

# Logistics

- **Host: Shawn Taylor**
- **Wednesday social**
  - **Sponsored by Wi-LAN (host)**
  - **Bus loads at 5:15 pm; leaves at 5:30**
  - **Show of hands for attendance**
- **Registration (see next slide)**
- **Other issues**

# Registration

- **Pay registration fee at desk**
  - Retain receipt (lower portion of form)
- **Preregistrants (78 people)**
  - US\$150
  - Use pre-printed form
  - Pick up badge
- **Non-Preregistrants**
  - US\$250
  - Fill out form
  - Pick up badge, or use handwritten badge
  - Members: see Dean Chang for voting token

# Attendance and Voting

- **Attendance books**
  - **TGa, TG2, TGc, MBWA/(TGa MAC)**
  - **7 intervals required for “participation”**
    - out of at least 10 possible intervals
      - » Morning, Afternoon, Evening
- **Working Group and Task Groups**
  - Formal votes are by Members only
  - Member’s badge is the voting token
- **MBWA Study Group only**
  - no membership
  - **all those present may vote**



# Quorum

- **WG Letter Ballot #5 was approved**
  - “To authorize the IEEE 802.16 Working Group to carry out Working Group business at Session #19, with or without a formal quorum, and in particular to authorize the Working Group Closing Plenary, on 24 May 2002, to act, with a 75% majority of those members present, to adopt drafts and initiate Working Group Letter Ballots on those drafts under PARs 802.16a and 802.16c.”
- 89 Approve, 2 Dis, 5 Abstain [as of 15 May]

# 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 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.**
- **Do not discuss pricing for use of a patent, how a patent should be licensed, validity or interpretation of a patent claim, or any terms or conditions of use.**

# Call for Essential Patents

- **If any individual believes that patented technology (or technology under patent application) might be incorporated into an 802.16 draft standard, that fact should be made known to the entire Working Group.**
  - **Preferably by an email notice to the Chair, who will post the notice on the 802.16 web site.**
- **Members and nonmembers can respond.**
- **There is no obligation to search patent portfolios, and no patent numbers need be identified.**
- **The chair, once made aware of this, will send out a patent Letter of Assurance request to the potential patent holder for official confirmation of information.**
- **<http://ieee802.org/16/ipr/patents/policy.html>**

# Essential Patents

From *IEEE-SA Standards Board Bylaws*:

- **6. Patents**

- IEEE standards may include the known use of patent(s), including patent applications, provided the IEEE receives assurance from the patent holder or applicant with respect to patents essential for compliance with both mandatory and optional portions of the standard.

# Approval of Minutes

- Motion: To approve the minutes of Session #18 (IEEE 802.16-02/16)



# Review of Schedule for the Week

[ieee802.org/16/meetings/mtg19/agenda.html](http://ieee802.org/16/meetings/mtg19/agenda.html)

# IEEE 802 SEC (ExCom) News

- **GetIEEE802 may be cancelled**
  - IEEE-SA BoG voted for 12-month delay
  - 802 voted to withhold financial support
- **IEEE-SA Board of Governors will co-locate meetings with July Plenary**
  - Joint meeting on Friday afternoon
- **New 802.18 Regulatory TAG**
  - Carl Stevenson: Interim Chair
- **802 Coexistence SG**
  - Jim Lansford: Interim Chair
  - planning to request formation of TAG
- **Publicity/PR: coordinate 802 News Bulletin**
  - R. Marks named as 802 PR Point of Contact

# **IEEE 802 Rules Change Ballots**

**(1) SEC Closing Meeting: 1-6 pm on Fridays**

**(2) add a second SEC vice chair**

**(3) permit email voting in WG**

- Full text on WG upload directory**
- Ballots close on 8 June**
  - Comment resolution in July**
- Chair is interested in your views**

# Task Group 2 (TG2)

- **Phil Whitehead, Chair**
- **Coexistence**
- **IEEE Std 802.16.2**
  - **Recommended Practice for 10-66 GHz**
  - **Published 10 September 2001**
  - **Now free at [GetIEEE802](http://www.getieee802.com)**
- **Current Project**
  - **P802.16.2a amendment**
    - **2-11 GHz**
    - **Additional point-to-point material**

# Task Group 1 (TG1)

- ***Air Interface for Fixed Broadband Wireless Access Systems (10-66 GHz)***
- **IEEE Standard 802.16-2001**
  - **Approved by IEEE-SA Stds Board (6 Dec 2001)**
  - **Published 8 April 2002**
    - **many editorial errors fixed**
  - **for sale (\$150; \$120 to IEEE members)**
  - **in *IEEE Xplore* (for subscribers)**
- **More errata at [tg1/errata.html](http://tg1/errata.html)**
  - **Interpretation approved in March**
  - **Corrections will be assigned to TGc**

# Task Group c (TGc)

- **Ken Stanwood: Chair**
- **Amendment 802.16c to Std IEEE 802.16**
- **“Detailed System Profiles for 10-66 GHz”**
  - **Errors in IEEE Std 802.16 will also be corrected.**
- **PAR 802.16c Approved on 9 May 2002**
- **Agenda Issues:**
  - **Review proposed Profiles portion of draft**
  - **Review submitted errata for draft**
  - **Prepare to ask on Friday to open WG Letter Ballot**
  - **Review proposed PAR 1802.16.1 for 10-66 GHz PICS proforma; recommend action on Friday**

# Task Group a (TGa)

- Brian Kiernan: Chair
- Amendment 802.16a to Std IEEE 802.16
  - 2-11 GHz air interface
- WG Letter Ballot #4 was approved
  - Second recirc closed 4 April 2002
  - => 802.16a/D3 forwarded for Sponsor Ballot
  - SEC rejected motion for Sponsor Ballot
    - “you shouldn't go to Sponsor Ballot with a document that you aren't willing to stand behind being published as a Standard”
    - more details on next slide

# Addressing SEC Issues

- TBDs
  - Document must be technically complete
- Dismissive rebuttals
  - Do them right next time
  - If new WG Letter Ballot starts:
    - Issue a letter to address LB#4 Disapproves
    - Chair's suggestions in IEEE 802.16-02/53
      - finalize in July
- 802.11a coexistence concerns
  - Asked 802.11 to bring issues to WG Letter Ballot
    - Coexistence TG and SEC members seem to agree



# TGa Status

- WG Letter Ballot #5 approval gives WG a chance to adopt new draft and begin a new WG Letter Ballot at Closing Plenary
- Tentative development schedule
  - <http://ieee802.org/16/tga/schedule.html>

# 802.16's MBWA Study Group

- **Mobile Broadband Wireless Access**
- **Mark Klerer, Chair**
- **Chartered 15 March-12 July 2002**
- **Scope:**
  - Mobile Broadband Wireless Access Network Operating in Licensed Frequency Bands and Supporting Mobility at Vehicular Speeds

# MBWA Study Group Charter

Responsible for activities leading to the authorization of a Mobile Broadband Wireless Access project within IEEE 802. In particular the SG shall:

- Develop the PAR for MBWA;
- Complete the Five Criteria for MBWA; and
- Make a recommendation on the placement of the project within IEEE 802 and/or existing Working Groups

# T1P1 Liaison Letter

- IEEE L802.16-02/11
  - “It appears that the Study Group on Mobile Broadband Wireless Access Networks (MBWA) is addressing issues that are already being pursued by other global standards organizations. Our concern is this could result in duplicative and possibly counterproductive efforts.”
  - “T1P1 assumes that, if this project is approved in IEEE, coordination with other SDOs on this project would be essential. Therefore, T1P1 extends an invitation to the leadership of IEEE 802 and IEEE 802.16 to join us at our next meeting to discuss this issue.”

# ITU-R Report

- **From Jose Costa:**
    - **Joint Rapporteur Group 8A-9B**
    - **report of the Fourth Meeting**
      - **Geneva, 3-9 April 2002)**
- [www.itu.int/ITU-R/study-groups/was/docs/132e.zip](http://www.itu.int/ITU-R/study-groups/was/docs/132e.zip)

# ETSI BRAN HIPERMAN Report

- **BRAN HIPERMAN Liaison:**
  - Marianna Goldhammer
- **IEEE L802.16-02/10**
  - mostly relaying technical points
  - Upgraded baseline to 802.16a/D3
  - some modifications
    - documents available
    - discuss in TGa meeting
  - Document submitted to ERM and CEPT to push allocation of 5.8 GHz License-Exempt FWA spectrum

# Future Sessions

- July 8-12, 2002: Session #20, Hyatt Regency, Vancouver, Vancouver, BC, Canada (802 Plenary)
- November 11-15, 2002: Session #22, Hyatt Regency Kauai, Koloa, Hawaii, USA(802 Plenary)
- September, 2002: Session #21
  - 23-27 September: good dates (TGa schedule)
    - Montreal, Canada?
    - Busan, Korea?
    - Barcelona, Spain?
  - Decision planned for Closing Plenary
- January 2002: Session #23 (no plans)

# Publicity

- **Session #19 Report**

- See draft

- [iee802.org/16/meetings/mtg19/report.html](http://iee802.org/16/meetings/mtg19/report.html)

- prepare revisions for Closing Plenary

- **802.16 Press Backgrounder for review**

- IEEE 802.16-02/12r1

- approval scheduled for Closing Plenary

- See Publicity Chair: Dean Chang



# New Business



# Closing

- **Another busy week.**
- **Be cooperative and constructive.**
- **Material for Plenary needs to be on upload server the night before.**
- **Let's have fun.**
- **Motion to adjourn.**