



# IEEE 802.17 Resilient Packet Ring Working Group Plenary Meeting

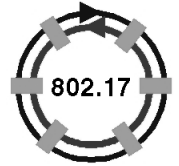
Nov 11-14, 2002  
Kauai, Hawaii

[stds-802-17@ieee.org](mailto:stds-802-17@ieee.org)  
<http://www.ieee802.org/17>



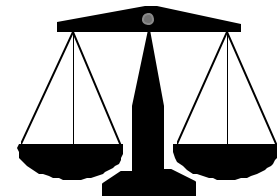
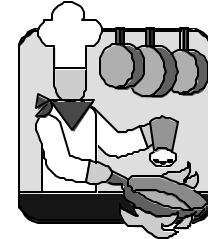
# Officers of RPRWG

- Chair Mike Takefman
- Vice-Chair Bob Love
- Secretary Vinay Bannai
- Web-Master John Hawkins
- Editor in Chief Tom Alexander
- *Performance Committee Chair Khaled Amer*



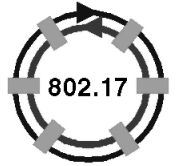
# IEEE 802 Standards Principals

- **Process**
  - Rules and Procedures
- **Consensus**
  - 75% agreement on all technical issues
- **Openness**
  - Everyone has Access to Process
  - Individuals, World-wide
- **Balance**
  - Balloting group must include developers and users
- **Right to Appeal**
  - Both procedural and technical anytime during the process
- <http://www.ieee802.org/rules.pdf>





# RPRWG



- New 802 Project approved by IEEE Standards Board on Dec. 7, 2000 as IEEE 802.17 Resilient Packet Ring Working Group
- The Resilient Packet Ring Working Group will define a Resilient Packet Ring Access Protocol for use in Local, Metropolitan and Wide Area Networks for transfer of data packets at rates scalable to many gigabits per second.
- The project will use existing Physical Layer specifications and may develop new PHYs where appropriate.



# RPRWG Membership

- Anyone can participate in the working group
  - individuals who feel they have the technical competence to contribute to the standard
  - IEEE membership is not required *but any meeting fee must be paid*
  - attendance at a meeting requires being in the room and initialing the attendance sheet for 75% of the meeting (AM and PM)
  - voting rights acquired by attending 2 meetings (one must be a plenary) of the last 4 plenary sessions and starts at the next plenary session (if requested)
  - voting rights maintained by attending 2 meetings (one must be a plenary) of the last 4 plenary sessions



# Attendance Book

- Please *initial* the attendance book each day in both AM and PM
  - failure to do so will mean that you will not be considered in attendance
    - **X or Ö are valid marks only if your name is Xavier or Tick**
  - *do not sign in advance or for another person*
    - **if you think someone is behaving improperly let an officer of the RPRWG know ASAP**



# Attendance Book

- The first section of the book is for people who have attended in the past
  - Sorted by last name
  - Also indicates if you are a voter or eligible
  - Please update any incorrect or missing fields
- If you are a new member, please fill out a blank contact information sheet
- **KEEP THE BOOK MOVING!**
  - If you see the book just sitting there, please move it along



# 802 WG Procedures

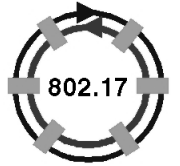
- Robert's Rules of Order
  - people make motions, seconded, discussion ...
- Procedural votes require  $> 50\%$  to carry
- Technical votes require  $\geq 75\%$  to carry
- Straw polls have no force but are used to gauge the feeling in the room
  - Straw polls can be done twice
    - Vote by members only required
    - Vote by entire room optional





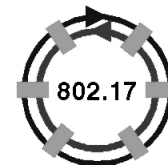
# 802 WG Procedures

- We are at a plenary meeting and we have quorum by definition
- Never talk about the real cost of things
  - talking about relative costs is o.k.
  - 802 wants to avoid collusion



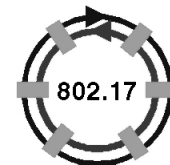
# Chair's Role

- Run the meeting and try to balance the democratic process along with the responsibility to produce the standard in a timely manner
- Decide what is procedural and what is technical
- I appreciate all feedback (+'ve or -'ve)



# 802 Patent Policy

- 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 and non-discriminatory terms and conditions*** for the purpose of implementing the standard. This assurance shall be provided without coercion and prior to approval of the standard (or reaffirmation when a patent becomes known after initial approval of the standard).



# 802 Patent Policy

- Any party that has patents (filed or granted) that are required to implement the standard or is aware of such patents must:
  - inform the Chair of the WG about the patent so the patent use letter can be obtained
  - There is a new patent letter form from the IEEE patent committee
- Recent court cases have shown that failure to disclose patents is not a winning strategy



# 802 Patent Policy

- <http://standards.ieee.org/resources/meetingguide.html>
- "Guideline 10. Refrain from discussions that violate anti-trust laws. The fact that the meeting is a standards meeting does not absolve participants of the responsibility to avoid discussing subjects that may violate anti-trust legislation. These subjects include: Validity of patents or the cost of using them. Any ongoing litigation. Pricing or other issues related to anti-trust. "



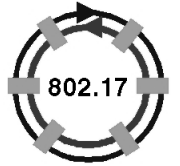
# 802 Patent Policy

- <http://standards.ieee.org/guides/companion/part3.html#patents>
- "You aren't responsible for patent searches or determining the validity of the patent. Your working group also should not become involved in determining a reasonable fee for use of the patent or any other condition that the patent holder may impose. "



# RPR != Ethernet

- One concern of 802.3 to our PAR and 5 Criteria was the possibility of creating confusion in the market between RPR and Ethernet
  - RPR will use Ethernet PHY Layers to:
    - minimize development time;
    - ride the volume / cost curve;
  - RPR is a new MAC and will not talk to an Ethernet MAC
- I promised to work to insure such confusion would not take place.



# RPR != Ethernet

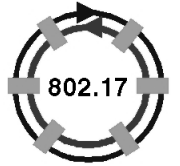
- However, confusion was created due to incomplete descriptions of the use of Ethernet PHYs in RPR
  - make sure your marketing people do not cut corners in this area
  - A box with an 802.3 interface WILL NOT talk to an 802.17 interface
  - Ethernet in the Metro is a competing technology





# 802.17 Compliance

- A national testing laboratory has informed me that two companies delivered them RPR compliant equipment for testing. When the boxes were plugged into each other, they failed to operate.
- **THIS IS NOT ACCEPTABLE BEHAVIOR AND SHOULD BE STOPPED**
  - It might be defensible yet risky to claim compliance to Draft X at some point
  - Compliance to the standard is not possible until after RevCOM has approved a standard



# 802.17 Schedule

- Sep 2002 - Last Feature Addition, authorize D1.1
- Nov 2002 - Authorize D2.0 and WG Ballot
- Jan 2002 - Authorize D2.1 and WG Recirc
- Mar 2003 - Comment Resolution, Authorize D3.0 and request Sponsor Ballot Start
- April 2003 - Comment Resolution, Authorize D3.1 and SB Recirc
- May 2003 - Comment Resolution, Authorize D4.0 and Request Forward to Revcom
- June 2003 - Revcom Approval



# Goals for this Meeting

- 1 Day of Presentations
  - Presentations in support of Comments on D1.1
  - BAH Tutorial
  - ITU SG-17 Ad-hoc
  - Call for Interest 802.17 lite
- 1.5 Days of Comment Resolution
- Motion Madness
- Authorize editors to create D2.0



# Rules for this Meeting

- Only questions of clarification during presentations
  - 1 question per person during Q&A
  - Re-circulation to the end of line is acceptable
- Allocation is approximately  $\frac{1}{4}$  of presentation time for Q&A
  - Presenters: Please look at countdown timer on laptop
- Next presenter should get set up at front during Q&A
  - Next presenter must provide the final presentation to the chair and web-master at the beginning of the previous presentation
- Cell phones on vibrate, please.



# Future Meetings

- January 13-16, 2003
  - Atlanta – Sponsored by Scientific Atlanta
- March 10 – 13, 2003
  - Dallas Fort Worth
- April 2003 - ?
- May 2003 - ?
- July 20-25
  - Hyatt Regency SF, San Francisco, CA



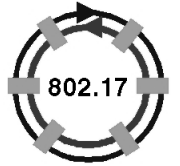
# How Many Attendees

- How many people will be attending Atlanta?
- How many people will be attending Dallas



# Hosting 802.17 Interims

- Role of the host provide funds to be applied to the cost of running the meeting
  - commitment for an amount that will not be exceeded
- Costs vary dramatically from property to property
  - host commitment is the cushion against unexpected shortfall
  - we budget based on breaking even
  - 16 people fewer than planned drops revenue by \$4000
    - fixed costs are hard to adjust
    - variable costs are food and beverage – can always be cut



# LAN Settings

- DHCP Server is active
- Set LAN TCP/IP Properties to get IP address automatically
- Local Server is 10.12.1.12
  - Use <http://www.ieee802.org/17>
  - Give John your presentations
- Wireless Settings
  - SSID IEEE
  - WEP OFF





# File Distribution

- LAN Access – FTP site gets file immediately
  - Web-site updated later (editing needed)
- CD ROM(s) will be available and will be updated Tuesday