IEEE 802.17 Resilient Packet Ring Working Group Plenary Meeting

Mar 10-13, 2003
Dallas, Texas

stds-802-17@ieee.org
http://www.ieee802.org/17

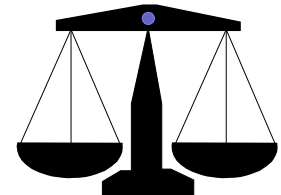# Officers of RPRWG

- Chair   Mike Takefman

- Vice-Chair   Bob Love

- Secretary   Vinay Banai

- 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 <u>room and initialing the attendance sheet for 75% of the meeting (AM and PM)</u>
  - 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 √ 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 >= 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 an plenary meeting hence there is no need for quorum
  - 123 Members
  - 7 Eligible for Membership
  - 29 poised to lose Membership
- 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

- 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

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. 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). This assurance shall be a letter that is in the form of either

a) A general disclaimer to the effect that the patentee will not enforce any of its present or future patent(s) whose use would be required to implement the proposed IEEE standard against any person or entity using the patent(s) to comply with the standard or

b) A statement that a license will be made available without compensation or under reasonable rates, with reasonable terms and conditions that are demonstrably free of any unfair discrimination

This assurance shall apply, at a minimum, from the date of the standard's approval to the date of the standard's withdrawal and is irrevocable during that period.

Things Not To Discuss

- Don't discuss licensing terms or conditions

- Don't discuss product pricing, territorial restrictions or market share

- Don't discuss ongoing litigation or threatened litigation

- Don't be silent if inappropriate topics are discussed… do formally object.

**If you have questions,
contact the IEEE Patent Committee Administrator
at patcom@ieee.org**

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 (1)

- Mar 2003   - CR D2.1, Authorize D2.2 and WG Ballot

- May 2003   - CR D2.2, Authorize D2.3 and WG Recirc

- June 2003 (?)- CR D2.3, Authorize D2.4 and WG Recirc

- July 2003   - CR D2.4, Authorize D3.0, Request Sponsor Ballot

- August   - Sponsor Ballot Starts

- Sept 2003   - CR D3.0, Authorize D3.1, Sponsor Ballot

- Nov 2003   - CR D3.1, Authorize D3.2 and Sponsor Recirc, Request Preauthorization for forward to Revcom

- Dec 2003   - CR D3.2, Authorize D3.3 and Sponsor Recirc

- Jan 2004   - CR D3.3, Forward to RevCom for March Meeting

802.17 Schedule (2)

- Mar 2003   - CR D2.1, Authorize D2.2 and WG Ballot

- May 2003   - CR D2.2, Authorize D2.3 and WG Ballot

- July 2003   - CR D2.3, Authorize D2.4, and WG Recirc
  Preauth Sponsor Ballot

- Sept 2003   - CR D2.4, Authorize D2.5 and WG Recirc Passes
  -> D2.5->D3.0

- Oct 2003   - Sponsor Ballot Starts

- Nov 2003   - CR D3.0, Authorize D3.1 and Sponsor Recirc,
  Request Preauthorization for forward to Revcom

- Jan 2004   - CR D3.1, Authorize D3.2 and Sponsor Recirc

- Feb 2004   - CR D3.3, Forward to RevCom for March Meeting

Goals for this Meeting

- Liaison Ad-hoc

- ½ Day of Comment Resolution

- ½ Day of Presentations
  - Presentations in support of Comments on D2.1

- 1 Day of Comment Resolution

- Mid Week Plenary

- ¾ Days of Comment Resolution

- Motion Madness

- Authorize editors to create D2.2 and start WG Ballot

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 ¼ 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.

May Meeting

- Montreal and Orlando are front runners
  - May 12-15, May 19-22 no clear preference
- Montreal
  - Meeting fee US$300, room rate C$ 170-199
  - Both weeks available
- Orlando
  - Meeting fee US$300, room rate US$110
  - First Week Available
- Support from Scientific Atlanta
  - We made more money at the last meeting then expected, and SA agreed to roll over their portion of the surplus into the next meeting

Future Meetings

- ## June XX-YY, 2003

  - Nortel Sponsored Meeting in Ottawa if required

- ## July 20-25, 2003

  - Hyatt Regency SF, San Francisco, CA

- ## Sept 2003

  - What dates work? Any preference on location

- ## November XX-YY, 2003

  - Albuquerque NM

  - Don't forget to take that left turn!

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 "802-17-server"
  - Use http://10.0.1.17
  - FTP your presentations into the Upload to John Directory

- Wireless Settings
  - SSID IEEE
  - WEP OFF

File Distribution

- LAN Access – FTP site gets file immediately
  - Web-site updated later (editing needed)

Eligible for Membership

Samantha Blakey   Y

Vahid Naragi

K.K. Ramakrishnan   Y

Akemi Sawada

Gurumani Senthil

Aleksandra Smiljanic   Y

Ti-Shiang Wang