IEEE 802.17 Resilient Packet Ring Working Group Plenary Meeting

July 8-11, 2002
Vancouver, BC

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

Officers of RPRWG

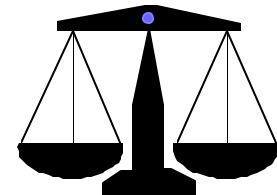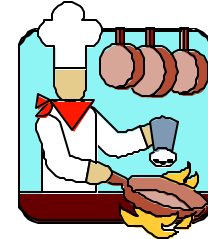- Chair   Mike Takefman

- Vice-Chair   Bob Love

- Secretary   B.J. Lee

- 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 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 >= 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, hence we have quorum by definition
  - 153 Voters
  - 30 Eligible to gain rights
- 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
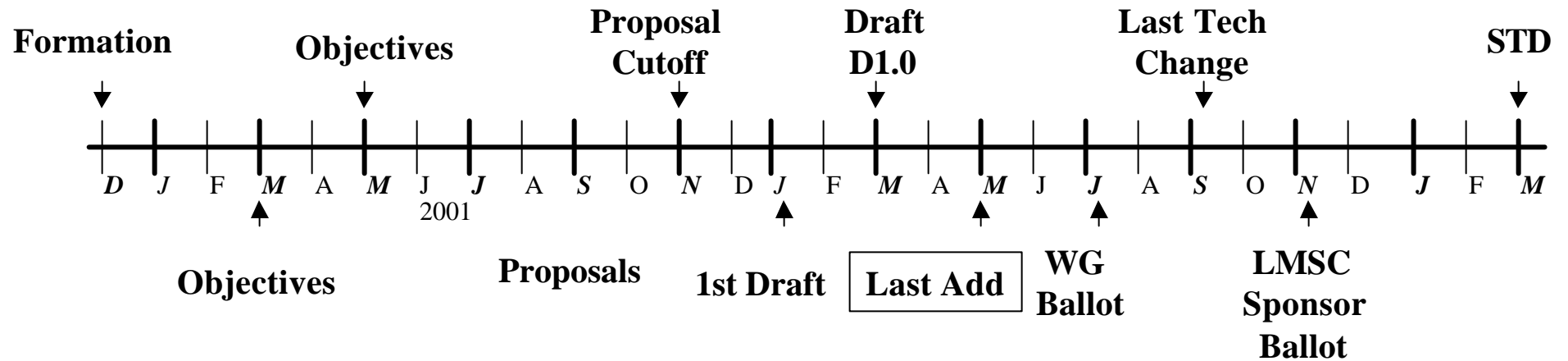
  – Ethernet in the Metro is a competing technology

802.17 Compliance

- At least two companies are claiming 802.17 standards compliance in front of their customers

- 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 Timeline

Formation

Objectives

Proposal Cutoff

Draft D1.0

Last Tech Change

STD

D J F M A M J J A S O N D J F M A M J J A S O N D J F M

2001

Objectives

Proposals

1st Draft

Last Add

WG Ballot

LMSC Sponsor Ballot

Goals for this Meeting

- 1 Day of Presentations

  - Presentations in support of Comments on D0.3

- 1.5 Days of Comment Resolution

- Motion Madness

- Authorize editors to create D1.0

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 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.

Future Meetings

- ## September 30 – October 3, 2002
  - Crowne Plaza New Orleans, Louisiana
  - Hosted by the EFM Alliance

- ## November 11-14, 2002
  - Hyatt Resort, Kawai, Hawaii

- ## January, 2003
  - Atlanta – Sponsored by Scientific Atlanta

- ## March 10 – 13, 2003

How Many Attendees

- How many people will be attending

Refund From May Meeting

- Cisco sponsorship of May meeting generated a surplus of approximately $85 per attendee

- We will issue a refund of $85 to the credit card you paid with
  - Will generate a cheque for those few people who paid cash

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
- Server Address 10.0.1.17
  - HTTP for download
    - http://10.0.1.17/index.htm
  - Anonymous FTP for upload/download
- 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 each morning

Goals for this Meeting

- Presentations

- Comment resolution on 0.3 draft

- Motion to empower Editor in Chief to create Draft 1.0 following this meeting in time for review at the May meeting