IEEE 802.17 Resilient Packet Ring Working Group Plenary Meeting
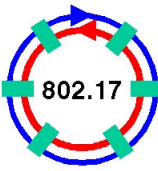
November 12-15,2001
Austin, TX

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

Officers of RPRWG

- Chair   Mike Takefman

- Vice-Chair   Bob Love

- Secretary   B.J. Lee
  - Asst Secretary   Mannix O'Connor

- Web-Masters   Ed Messina, John Hawkins

- Performance Committee Chair Khaled Amer

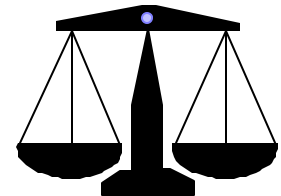- Terms and Definitions Ad-hoc Bob Sultan

Member's Area

- http://www.ieee802.org/17/member/member_area.htm

- userid: rprmember
- password: mustang

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
  - ***do not sign in advance or for another person***
- If you attended past meetings you will find your contact info
  - The list is sorted by last name and indicates if you are a voter
  - Please update any incorrect or missing fields
- If you are a new member, please fill out a blank contact information sheet
  - attach business card using labels
- KEEP THE BOOK MOVING!

802 WG Procedures

- Robert's Rules of Order
  - people make motions, seconded, yadda yadda yadda
- 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
- ***WE ARE IN PLENARY MODE – THERE CAN BE TECHNICALLY BINDING VOTES***
- Never talk about the real cost of things
  - talking about relative costs is o.k.
  - 802 wants to avoid the appearance of 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

- Recent court cases have shown that failure to disclose patents is not a winning strategy

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
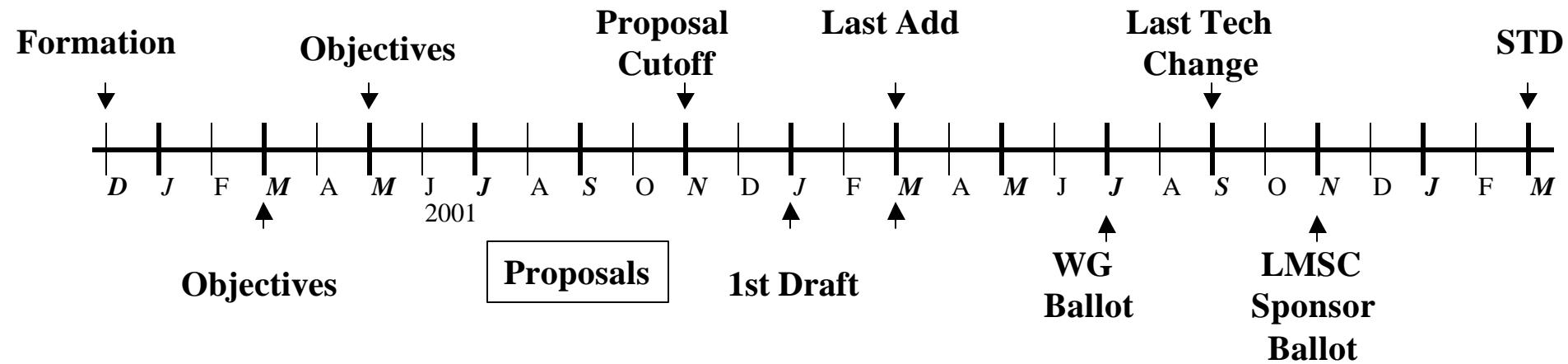 - Ethernet in the Metro is a competing technology

Goals for this Meeting

- 3+ Days of Presentations
- Presentations in support of Draft Contributions to the Standards
  - to provide complete written description of scheme
- Comment Resolution on Terms and Definitions document
- Performance Committee will meet

Goals for this Meeting

- Some form of Voting on Current Proposals
  - if we are to close on a draft by January we need to start getting information on where people stand
  - Later today we will debate the process for gathering information

- Ad-hoc to draft letter from ETSI-SPAN on DTM

- Plan the January meeting

802.17 Timeline

Formation

Objectives

Proposal Cutoff

Last Add

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

WG Ballot

LMSC Sponsor Ballot

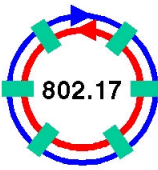# Rules for this Meeting

- Only questions of clarification during presentations
  - 1 question per person during Q&A
  - Recirculation 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 prior to beginning presentation

- Cell phones on vibrate, please.

Future Meetings

- ## January 14-17, 2002

  - Location and Host TBD – we will hopefully have proposals to review later this week

  - Cost TBD ($200-$250 estimate)

- ## March 11-15, 2002

  - St Louis

Chair Elections

- Chair and Vice-Chair are elected by the WG every March of even numbered years
  - Confirmed by the SEC at closing meeting
  - New Chair assumes role after end of March meeting
- Anyone who is interested in running for either position should declare their intent over the reflector between now and March
- This message will be repeated several times over the next few months

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
  - 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)
- 2 CD ROMS will be available and will be updated each night