



IEEE 802.17 Resilient Packet Ring Working Group Interim Meeting

January 21-24, 2002
Orlando, FL

<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-Master John Hawkins
- Editor in Chief Tom Alexander
- Terms and Definitions Ad-hoc Bob Sultan
- *Performance Committee Chair* Khaled Amer



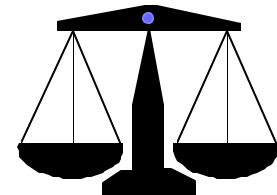
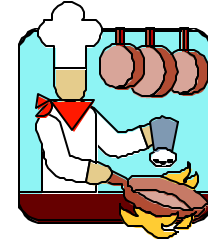
Member's Area

- http://www.ieee802.org/17/member/member_area.htm
- userid: rprmemberr
- password: mustang
- Write it down now
 - Please do not send email asking for the values



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
 - *do not sign in advance or for another person*
 - if you think someone is behaving improperly let an officer of the RPRWG know ASAP
 - **There is no box for Monday morning**
 - just pretend there is one



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
 - Please update any incorrect or missing fields OR
 - Please a business card in the envelope in the back
- If you are a new member, please fill out a blank contact information sheet
- **KEEP THE BOOK MOVING!**



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 in Task Force mode until we have a quorum
 - 73 members constitutes a quorum
 - Motion passed at the Austin meeting was out of order
 - 802.17 motion cannot supercede an 802 rule without SEC approval
- 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
 - 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



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

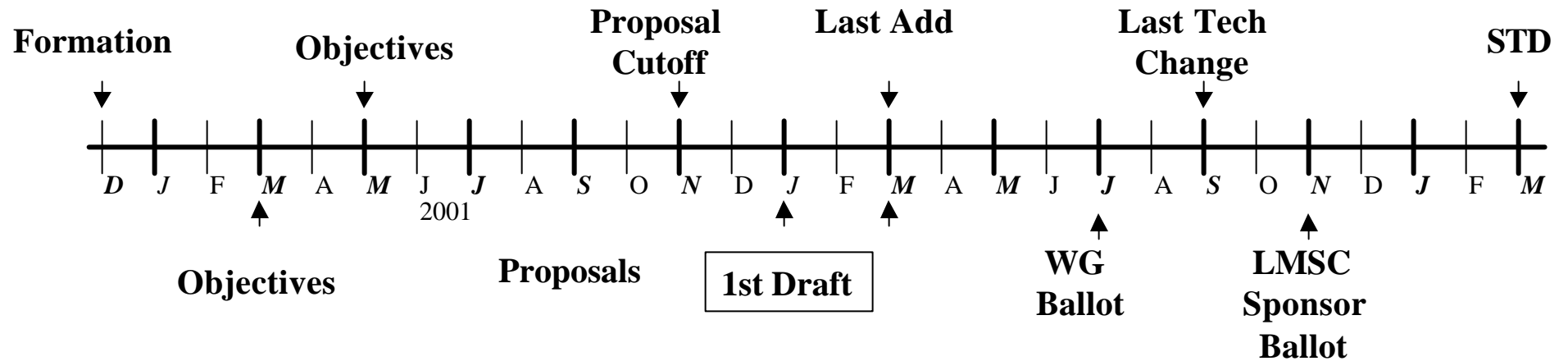


802.17 Compliance

- At least two companies are claiming 802.17 standards compliance in front of their customers
- **THIS IS NOT ACCEPTABLE BEHAVIOR AND SHOULD BE STOPPED**
 - One can 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





Goals for this Meeting

- 2.5 Days of Presentations
 - Presentations in support of Draft Contributions to the Standards
- Need to determine what outcome is desired from this meeting
 - If we are to maintain our schedule we need to finish this meeting by forwarding a document to the editing team for creation of the first draft



Goals for this Meeting

- Need to determine what procedure will be used to move the work forward
- If we are in Task Force mode
 - WG will ratify our decision in March



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 prior to beginning presentation
- Cell phones on vibrate, please.



May Interim Meeting

- Mike's spouse is due to deliver a draft human on May 11
 - 100 % on time delivery to date
- Cisco Systems (Canada) will sponsor meeting



How Many Attendees

- Current assumption is 100 to 125 attendees
- Hotels are offering (C\$) 200 per night
 - Downtown Ottawa
 - Casino du Hull
- A portion of the surplus from this meeting will be used to reduce the meeting fee for future interims



Future Meetings

- March 11-14, 2002
 - Hyatt Hotel
 - St. Louis, MO
- April 29 – May 2, 2002
 - Ottawa, Canada
- July 15-18, 2002
 - Hyatt Hotel
 - Vancouver, Canada
- September, 2002
 - Possible joint with 802.3
 - Any companies interested in hosting?



Future Meetings

- Jan 2003
 - Somewhere warm
 - global climate change notwithstanding
 - Atlanta, Orlando, California?



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 Name tevatron
- Server Address 192.168.1.2
 - HTTP for download
 - <http://192.168.1.2/index.html>
 - 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