



IEEE 802.17 Resilient Packet Ring Working Group Interim Meeting

March 11-14, 2002
St. Louis, MO

<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
- *Performance Committee Chair* Khaled Amer



Section Editors



- Rhett Brikovskis
- Jason Fan
- Anoop Ghanwani
- David James
- Jim Mollenaur
- Glenn Parsons
- Bob Sultan



Technical Editors

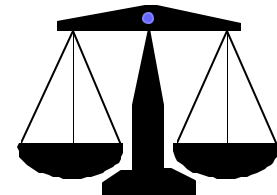
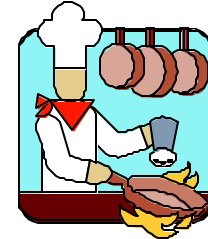


- Leon Bruckman
- Jim Kao
- Harry Peng
- Necdet Uzun
- Steve Wood



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**
 - **There is no box for Monday morning**



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 in WG mode as this is a plenary meeting
 - 73 members normally constitutes a quorum
 - Motions passed at the January meeting must be ratified at his meeting
- 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

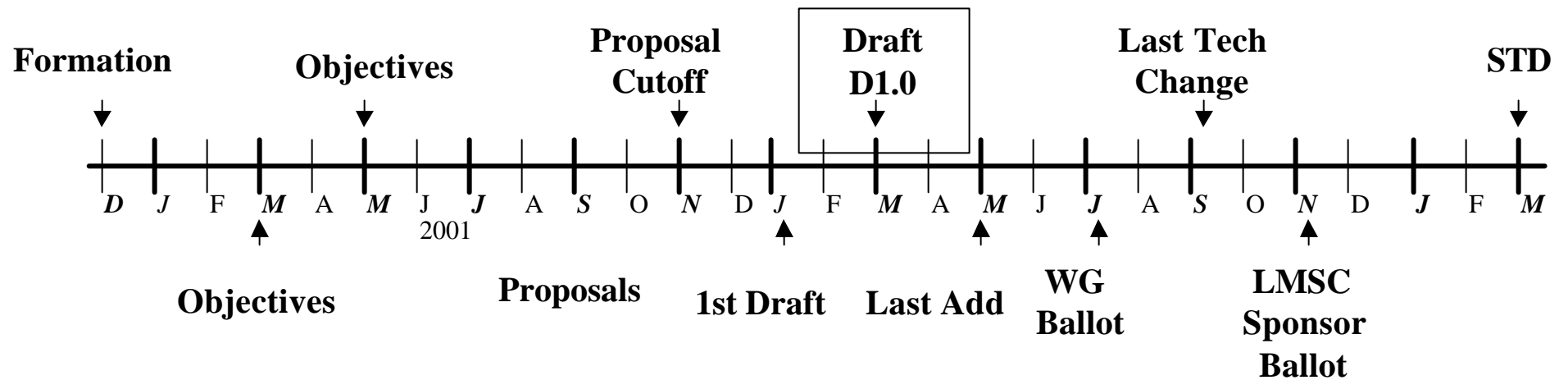


802.17 Compliance

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





Goals for this Meeting

- Ratify decision of January Meeting re Draft 0.1
- 1 Day of Presentations
 - Presentations in support of Comments on D0.1
- 2 Days of Comment Resolution
- 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 $\frac{1}{4}$ 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.



May Interim Meeting

- May 6 – May 9, 2002
Crown Plaza Hotel
Ottawa, Canada
 - Room rate < \$100 US per night
- Cisco Systems (Canada) will sponsor the meeting
- Services
 - Continental Breakfast, Coffee Break, Lunch, Snack Break
 - Internet Access
 - Social



How Many Attendees

- Current assumption is 100 to 125 attendees
- Meeting fee will be \$250 (US)
- Do people like having lunch arranged?
 - Relatively expensive, but very efficient



Future Meetings

- July 15-18, 2002
 - Hyatt Hotel
 - Vancouver, Canada
- September, 2002
 - Possible joint with 802.3
 - Any companies interested in hosting?
- November, 2002
 - Kawai, Hawaii
- January, 2003
 - Host being courted



802.17 Budgeting

- Surplus from September Meeting ~\$4500
- Estimated Surplus from January Meeting ~\$3000
- Future purchases
 - more power strips & extension cords (\$200)
 - long Ethernet cables (4x50m) (\$75)
 - VGA extension cords (3 more) (\$100)
 - wired microphones and cables ?
 - wireless microphone ?
 - shipping case (\$400)



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



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
- Current Chair and Vice Chair are un-opposed
 - Any other candidates?
- Assistant Secretary is retiring
 - Who will step up and help B.J. ?



LAN Settings

- DHCP Server is active
- Set LAN TCP/IP Properties to get IP address automatically
- Server Address 192.168.0.3
 - HTTP for download
 - <http://192.168.0.3/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
- Vote to confirm the motions made in January
 - Technical decision to create a 0.1 version of the draft
- Comment resolution on 0.1 draft
- Meeting with 802.1 on Bridging
 - Wednesday 8:30 am
- Motion to empower Editor in Chief to create Draft 1.0 following this meeting in time for review at the May meeting