IEEE 802.17 Resilient Packet Ring Working Group Plenary Meeting

March 12-15, 2001
Hilton Head, SC.
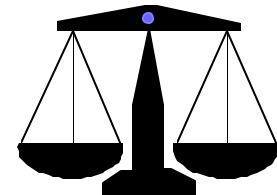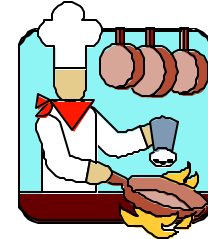
Key Locators

- ## Web-site
  - http://www.ieee802.org/17

- ## Reflector
  - stds-802-17@ieee.org
  - email majordomo@ieee.org with body subscribe stds-802-17 YourEmailId
  - members of stds-802-rprsg moved automatically

- ## Mike Takefman - Chair of 802.17
  - tak@cisco.com
  - 613-271-3399

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 signing the attendance sheet for 75% of the meeting
  - 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

RPRWG Membership

- Voting rights are acquired by attending this meeting
  - must be in the room (& sign book) for 3 of 4 days
  - Thursday morning we officially ask people if they wish to become members
  - If someone cannot attend Thursday, but attends Monday thru Wednesday and they speak with Chair before Thursday they can become members

Attendance Book

- Please sign the attendance book each day
  - failure to do so will mean loss of voting rights
  - do not sign in advance

- If you attended either of the past two meetings you will find your contact info. Please update any incorrect or missing fields
  - the list is sorted by first name

- If you are a new member, please fill out a blank contact information sheet

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
- Never talk about the real cost of things
  - 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 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
- Failure to disclose the patent is viewed unfavorably by the courts
  - those violating the patent for the purpose of implementing the standard generally get access to the patent with no penalty or license fee

RPRWG Officers

- Elections for the following positions will be held Thursday Morning
  - Chair
  - Vice-Chair
  - Secretary
  - Web-master (anyone?)

RPRWG Officers

- Elections for the following positions will be held when appropriate
  - Editors
    - it has been suggested to allow volunteers to put section outlines and identify areas requiring work in order to demonstrate competence
  - Ad-Hoc Group Leaders
    - similarly we need to decide as a group if there are tasks that we should delegate to smaller groups to achieve rapid results

Election

- Election of any officer of the RPRWG requires a simple majority of those voting yes/no
  - one person, one vote per position
- In races with 3 or more candidates the candidate who received the smallest vote is dropped and the voting continues until a victor is determined
  - any candidate can remove their name from consideration at subsequent rounds
- In the unlikely event of a tie, the vote will be redone one more time to allow abstainers to reconsider casting a ballot

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;

- 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

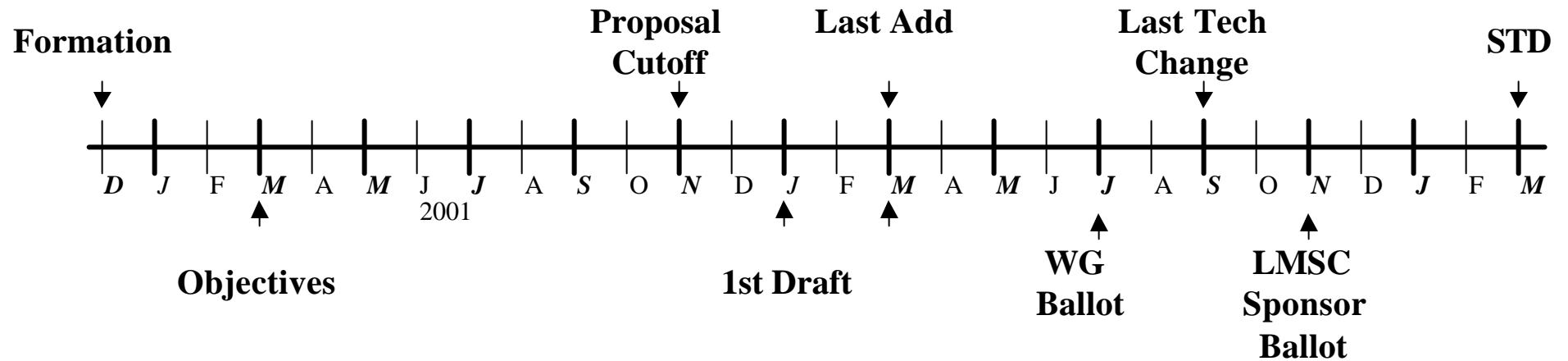 - Ethernet in the Metro is a competing technology

Goal for this Meeting

- Vote on some (all) Objectives
  - agree on some terms and definitions
- Plan the May meeting

802.17 Timeline

Formation

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

1st Draft

WG Ballot

LMSC Sponsor Ballot

Rules for this Meeting

- Only questions of clarification during presentations
  - we have a lot of ground to cover and a tight schedule
- 1 question per person during Q&A
  - unless there are no other questions
- Allocation is approximately ¼ of presentation time for Q&A
- Next presenter should get set up at front during Q&A