

# 802.3ae Report on March Meetings

to the  
802.3 Work Group

**Albuquerque, New Mexico**

**Jonathan Thatcher**

`jonathan@worldwidepackets.com`

# Goals For This Week (1 of 2)

## Organized:

- Chair, Jonathan Thatcher
- Vice Chair, Steven Haddock
- Chief Editor, Brad Booth
- PMA/PMD Track Chair, Walt Thirion
- Everything Else Track Chair, Ben Brown

## First Split into 2 tracks

- Didn't....

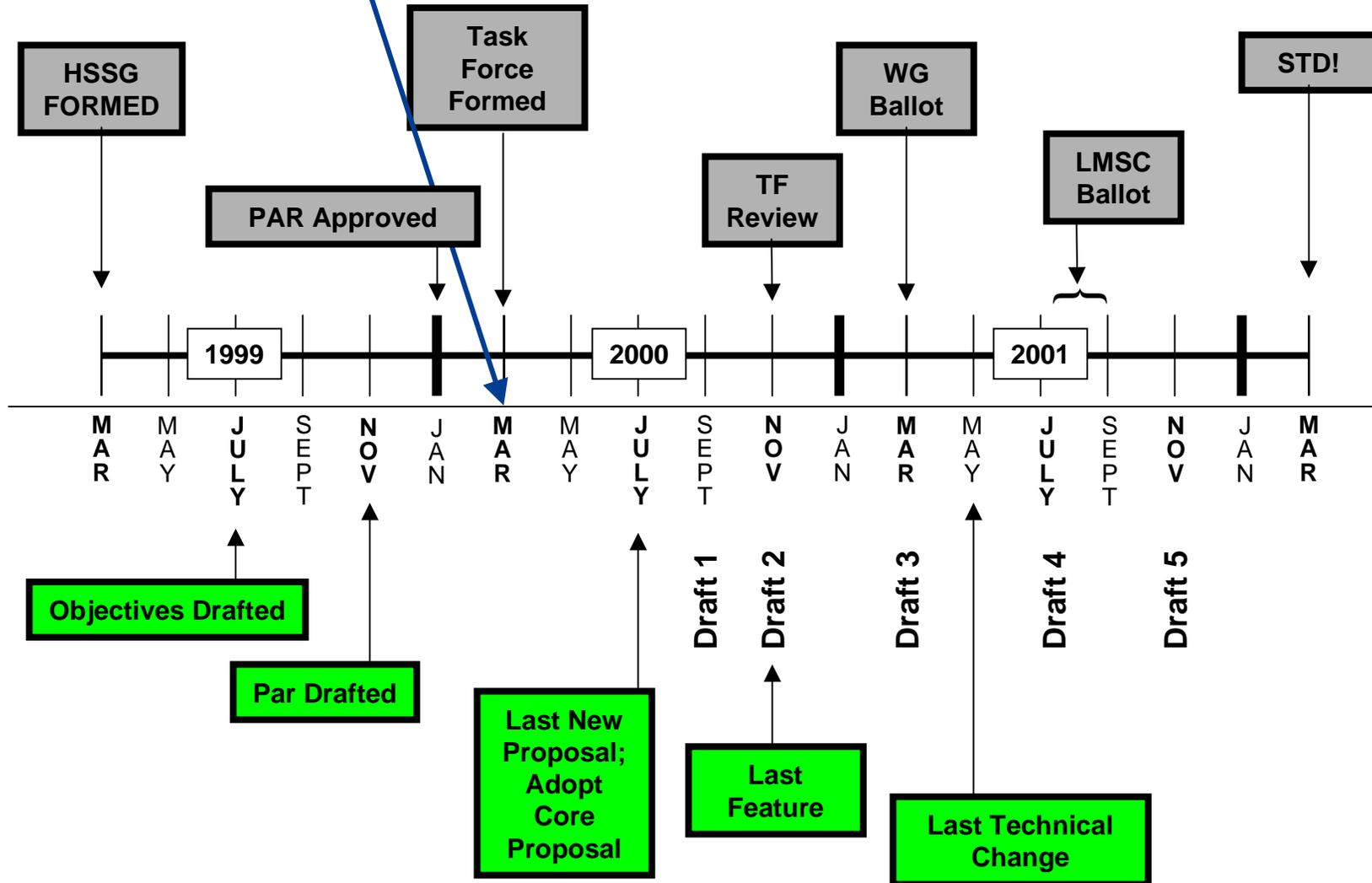
**Adopt terminology -- done**

**Review 802.3 letter to ITU and and make proposal -- a motion in a minute**

**Adopted schedule – 147 / 0 / 5**

# Long Term Schedule

You are here



# Goals For The Week (2 of 2)

**Close “Brainstorming Phase” -- done**

**Start “Selection Phase” (March – July)**

- **March:**

- Survey membership for current “state of mind” (see separate presentation)
- Reduce number of PMD proposals (7 or less?) (Passed motion....)

# PMD Motion (1 of 2)

**Failed: 95 / 32 / 20**

**The P802.3ae TF shall reduce the number of distinct PMDs (independent of PMA, PCS, and other upper layers) being worked on to no more than seven by the end of the July, 2000 P802.3ae task force meeting and no more than four prior to working group ballot. Application of the P802.3ae objectives shall be the primary filter.**

# PMD Motion (2 of 2)

**Passed: 138 / 3 / 6**

**The P802.3ae TF shall reduce the number of distinct PMDs (independent of PMA, PCS, and other upper layers) being worked on to no more than seven by the end of the July, 2000 P802.3ae task force meeting. The expectation is there will be fewer than seven by working group ballot. Application of the P802.3ae objectives shall be the primary filter.**

# Motion for FDA Liaison Letter

**Request the chair of P802.3ae TF to present the following motion to 802.3:**

**Authorize chair of IEEE 802.3 to send a liaison letter to the appropriate laser safety official at the FDA/CDRH ( Jerome Dennis ) which encourages the adoption of the new laser safety requirements and requests input on:**

- **FDA/CDRH intent to harmonize with IEC revisions**
- **Possible time line for completion of the harmonization**
- **Policy of granting variances to the FDA/CDRH requirements prior to IEC standard harmonization**
- **Interpretation of the applicability of class 1M to fiber optic communication systems**

**Passed: 138 / 0 / 1**

# Request from 802.3 Chair Regarding T1X1.5 Letter

## **MOTION PASSED: Acclimation**

**In light of the request for the P802.3ae task force to recommend to the 802.3 WG a response to the request for a liaison letter to T1X1.5 concerning T1X1.5/99-267 and T1X1.5/99-268r1, move that:**

**The chair of 802.3WG responds to T1X1.5 with the following modified letter and any appropriate edits:**

**(continued next page)**

# Request from 802.3 Chair Regarding T1X1.5 Letter

**Response to liaison communications from T1X1.5 dated October 8, 1999, requesting feedback in reference to T1X1.5/99-267 and T1X1.5/99-268r1.**

**P802.3ae Task Force (TF) has an objective to develop a WAN PHY, operating at a data rate compatible with the payload rate of OC-192c/SDH VC-4-64c. A number of proposals for mapping 802.3 MAC frames into the SONET payload have been presented to the P802.3ae TF.**

**(continued next page)**

# Request from 802.3 Chair Regarding T1X1.5 Letter

**At this time the TF has not yet selected the set of baseline proposals as the basis for the standard. Therefore, it is premature to communicate any particular direction to T1X1.5. After the selection is complete, 802.3 will communicate this information to T1X1.5.**

# Vote on Sept. Interim Venue

## Candidates:

- **Copenhagen: Sept 5-7**
- **Boston: Sept 11-13**

## Vote

- **Copenhagen : 64**
- **Boston : 73**

# Liaison Presentations

## OIF Report (Tom Palkert)

### Studying low cost I/F for box to boxes:

- 12x1.25 Parallel
- 4x2.5 Parallel
- LW Serial
- SW Serial

Issue, what to do with these Liaison Presentations in future

## TIA FO 2.2.1 (Steve Swanson)

Help needed if group is to meet the 802.3ae schedule.

# Presentations (1 of 5)

**Fiber Survey Report (Chris Dominico)**

**10GbE Market Potential (Nan Chen)**

**Terminology Ad Hoc (David Law)**

**Proposed Document Structure (Brad Booth)**

**XAUI/XGXS Proposal (Rich Taborek)**

**UniPHY Update (Howard Frazier)**

**MAC PHY Rate Control (Shimon Muller)**

**Why WAN PHY (Paul Bottorff)**

**WAN PHY Connections (David Martin)**

**PCS to PMA Interfaces (Paul Bottorff)**

# Presentations (2 of 5)

**WAN PHY PMA (Norival Figueira)**

**Simple Link Protocol (Tom Truman)**

**SLP Delineation (Kamran Azadet)**

**Performance of Serial I/O (Joel Goergen)**

**WAN PHY PMA (Enrique Hernandez)**

**PMD Interface Options (Stu Robinson)**

**WAN PHY Approach (Osamu Ishida)**

**MB810 for HARI (ChanGoo Lee)**

**HARI Word Stripe (Mike Jenkins)**

**Survey Results (Ben Brown)**

## Presentations (3 of 5)

**T1X1.5/99-268r1 Overview (David Martin)**

**64B/66B Coding Update (Rick Walker)**

**Serial LAN PHY Proposal (Vipul Bhatt)**

**850nm Serial Performance (Jason Yorks)**

**VCSEL Based 10 Gigabit Serial (Jack Jewel)**

**850 VCSEL Performance (Regis Colla)**

**10GBE WWDM Interest Group (Dan Rausch)**

**CWDM 10GBASE-SX (Bill Wiedemann)**

**10Gb/s PMD Using PAM 5 (Oscar Agazzi)**

# Presentations (4 of 5)

**Parallel Implementation of the DSP**

**Functions of the PAM-5 (Keshab Parhi)**

**Analog I/F for PAM-5 (Pieter Vorenkamp)**

**Are Lasers Linear Enough for PAM-5 over Optics (Siva Yegnanarayanan)**

**850nm-4WDM-1.25Gb (Jaime Kardontchik)**

**Laser Safety Update (Paul Kolesar)**

**Evaluating Open Fiber Control (Ken Herrity)**

**Open Fiber Control (Jonathan Thatcher)**

**Link Budget Spreadsheet (Piers Dawe)**

# Presentations (5 of 5)

**MPN Penalty Considerations (Pepeljugoski)**

**Hierarchical Decoding of Parallel Serial Streams (Haluk Aytac)**