



# IEEE P802.3ap Task Force

## Closing Plenary Meeting Report

San Antonio, TX

November 18, 2004



# Plan for the Week

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- Hear presentations
- Work toward completion of the baseline.
  - Backplane channel specifications
  - 10GBASE-KR PMD



# Accomplishments (Sept. Interim)

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- Baseline proposals adopted
  - 1Gb/s serial PHY
  - 10Gb/s 4-lane PHY
  - PCS and PMA for the 10Gb/s serial port type
  - Auto-Negotiation



# Accomplishments (This Week)

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- Discussion of backplane channel specification and 10GBASE-KR PMD.
- No progress towards baseline.
- Process defined to foster resolution.
- Directed editor to create draft document from baseline proposals for subsequent TF review.



# Auto-Negotiation

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- Baseline proposal utilized symbol sequence pulses (SSPs) for Link Code Word signaling.
- Alternate signaling approach presented based on continuous signaling using Differential Manchester encoding.
  
- Straw Poll: Interested in exploring Differential Manchester encoding for AN signaling?
  - Y: 31, N: 0



# 10GBASE-KR PMD Training

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- Adaptive transmitter and training protocol is part of the 10GBASE-KR PMD
  - Yes: 35
  - No: 4
  - Abstain: 13
- Training for 10GBASE-KR [Chicago]:
  - Must implement, can turn off: 36
  - Must implement, cannot turn off: 6
  - Do not need to implement: 10
- Training protocol approach:
  - AN-based signaling (gaiter\_01\_1104): 13
  - LIP (brink\_01\_1104): 11
  - Don't care: 24



# TF Motions

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- Adopt mellitz\_02\_1104 (augmentation of proposed informative channel SDD21 per goergen\_03\_0904) as the template for the informative SDD21 channel model.

**Failed (All: 30/12/11, 802.3: 13/7/9)**

- Move that the Task Force adopt as a baseline for a signaling comparison tool, the spreadsheet in table\_01\_1104.xls as reviewed in altmann\_03\_1104.

**Passed (All: 46/0/2)**

- Direct editor to create Draft 0.7 based on adopted baseline proposals and submit to the Task Force for review.

**Passed (57/0/0)**



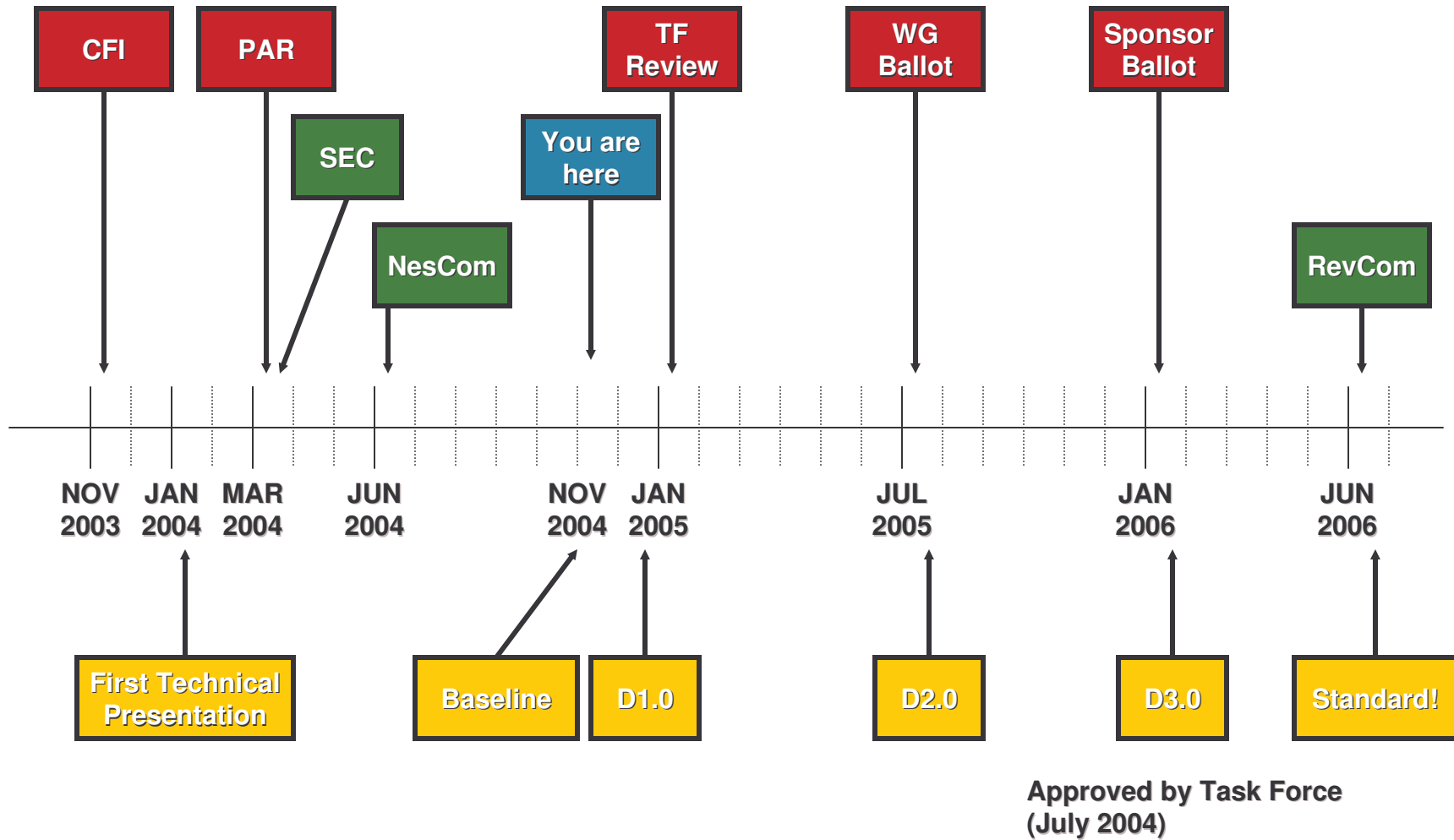
# IEEE P802.3ap Draft Repository

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- IEEE P802.3ap Private Area:
  - username:
  - password:



# IEEE P802.3ap Timeline





# Future Meetings

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- January 2005 Interim
  - Date: January 24-28, 2005
  - Location: Vancouver, BC
  
- March 2005 Plenary
  - Date: March 13-18, 2005
  - Location: Atlanta, GA



Thank You!