



**IEEE P802.3an Task Force**  
**Straw Polls**

**Portland, OR**  
**July 14, 2004**

**Brad Booth, Task Force Chair**

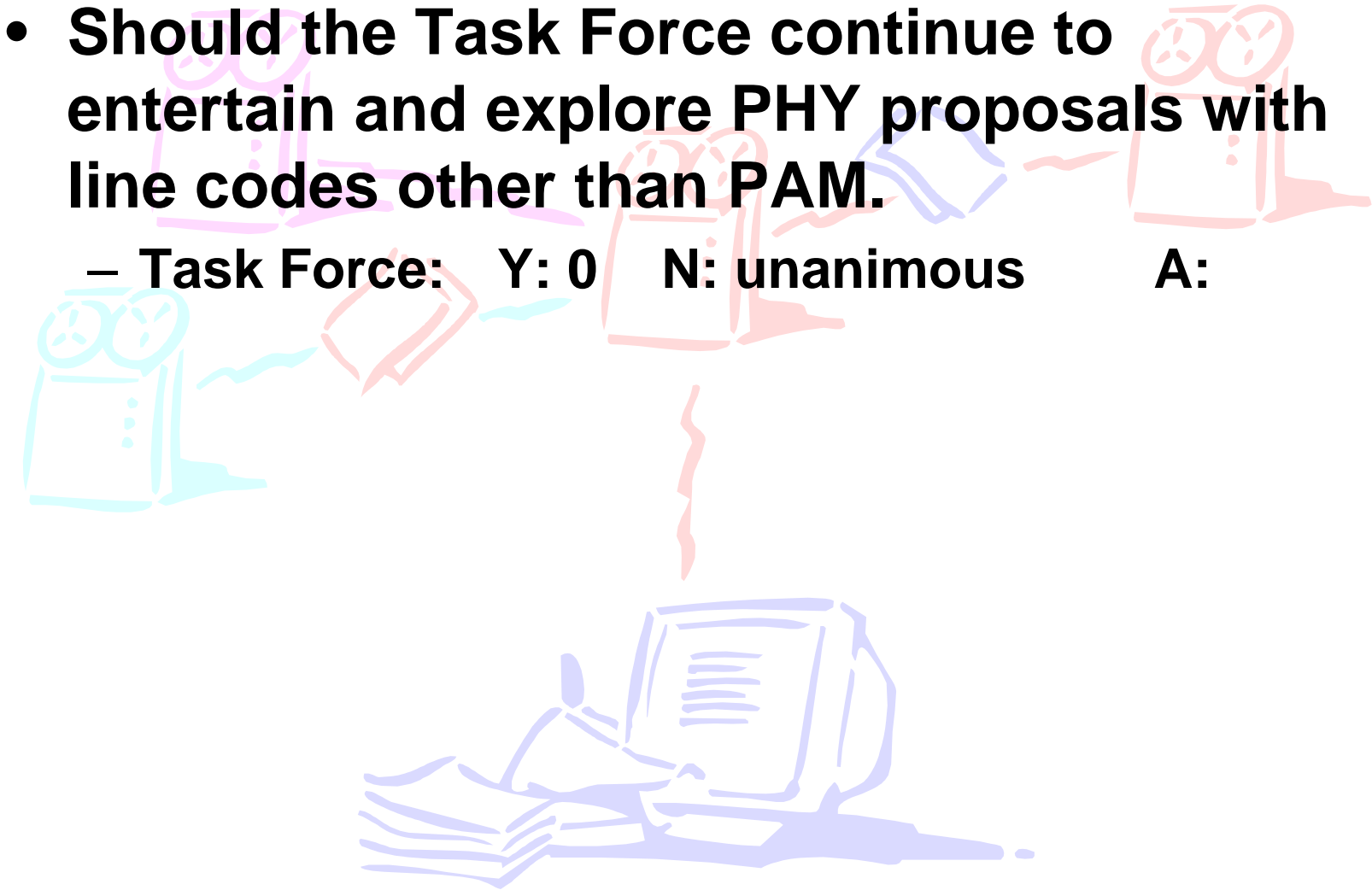
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# Attendance

- **Headcount: 82**
- **802.3 voters: 46**
- **New to this meeting: 13**
- **Plan to attend the meeting in September: 68**

# PAM

- **Should the Task Force continue to entertain and explore PHY proposals with line codes other than PAM.**
  - Task Force: Y: 0 N: unanimous A:



# PAM levels poll

- **Should the Task Force continue the PAM levels under investigation to (Chicago rules):**
  - **8 levels**
    - Task Force: 28
  - **10 levels**
    - Task Force: 0
  - **12 levels**
    - Task Force: 63

# THP

- **Should the Task Force adopt Tomlinson-Harashima precoding (or derivatives) as the baseline proposal for channel equalization strategy:**
  - Task Force: **Y: unanimous      N: 0      A:**



# Transmit Framing

- **Should the Task Force adopt Cl. 49 64B/66B coding as the baseline proposal for transmit framing.**
  - **Task Force: Y: 6 N: 22 A:**

# LDPC

- **Should the Task Force adopt Low-Density Parity-Check (LDPC) as the baseline proposal for forward error correction.**
  - **Task Force: Y: unanimous      N: 0    A:**
  - **Block size:**
    - **1025 to 2048: 6**
    - **≤ 1024: 33**
    - **TBD: 27**



# PMA electrical

- **Should the Task Force adopt transmit voltage levels at MDI (w/o baseline wander) to be 2-2.5V differential peak-to-peak.**
  - **Task Force: Y: 47 N: 0 A:**



# Auto-negotiation

- **Should the Task Force adopt lynoskey\_1\_0704 with the use of reserved bits in 1000BASE-T next page exchange (vs. adding 3 next pages).**
  - Task Force: Y: 16 N: 10 A: a lot



# TSB-155

- **Should the Task Force adopt TIA TR42.7 TSB-155 D1.0 modifications to the link segment specifications.**
  - **Task Force: Y: 56 N: 4 A:**

# Frequency limit

- **Should the Task Force change the upper frequency limit for link segment specifications from (TBD  $\leq$  625 MHz) to 500 MHz.**
  - **Task Force: Y: 53 N: 8 A:**



**Thank You!**