



# **IEEE P802.3bp Task Force Closing Report**

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**IEEE 802.3 Ethernet Working Group  
Chair - Steven B. Carlson, High Speed Design, Inc.  
Acting Chair (Mar 14) John D'Ambrosia, Dell  
March 20,2014  
Beijing PRC**

# Reflector and Web

- To subscribe to the P802.3bp reflector, send an email to:

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- Task Force web page URL:  
[www.ieee802.org/3/bp/index.html](http://www.ieee802.org/3/bp/index.html)

# Private Area

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- Login: xxxxxx
- Password: xxxxxx

# Progress This Week

- 50 attendees
- 17 Technical Presentations
- 3 Ad hoc meetings
  - EMC Noise Ad hoc (PoDL liaison, noise environment nearing complete definition)
  - PHY (Work Plan to determine remaining items)
  - Channel (optional link segment specification, link segment balance test specifications, test fixture specification, and alien crosstalk topologies and test procedures. )
- PHY Ad Hoc considered liaison from the PoDL'ers
  - Need quantification of allowable yips / barks allowed, i.e. noise from the "PI" (Power / Interface)
  - Response to be provided by May Interim
- 4 technical decisions made (next slide)

# Progress This Week: Technical Decisions

- **Motion #3:** Move that the IEEE P802.3bp Task Force adopts PAM3 as the modulation scheme for 1000BASE-T1 PHY.
  - Results All (y/n/a)                    33        0        5
- **Motion #4:** Move that 802.3bp adopt the “Proposed baseline” Alien NEXT specification on slide 8 of mueller\_01\_3bp\_0314.pdf
  - Results All (y/n/a)                    29        0        9
- **Motion #5:** Move that 1000BASE-T1 PHY proposals use a line baud rate of  $25N/M$  MHz where N and M are integers,  $M \leq 5$  and ideally  $M = 1$ .
  - Results All (y/n/a)                    24        0        7
- **Motion #6:** Move that 1000BASE-T1 PHY encoder use the  $8N/(8N+1)$  block as described in Lo\_3bp\_02\_0314.pdf slide 18 (Formal Encoder Definition) and the Clause 55 scrambler (as shown on slide 15 of same). The final integer value of N ranging from 1 to 16 inclusive will be decided by the 802.3bp task force at a later date.
  - Results All (y/n/a)                    30        0        3

# WG Motion

Motion #1: Request that the 802.3 Working Group approve the PAR changes detailed in DRAFT Updated PAR:

[www.ieee802.org/3/bp/public/jan14/P802\\_3\\_PAR\\_change\\_0114.pdf](http://www.ieee802.org/3/bp/public/jan14/P802_3_PAR_change_0114.pdf)

Moved by John D'Ambrosia on behalf of the Task Force  
Technical 75%

Y: 81   N: 0   A: 3

MOTION: Passes

# WG Motion

Motion #2: Request that the 802.3 Working Group approve the Objective changes detailed in DRAFT Updated Objectives:  
[www.ieee802.org/3/bp/public/jan14/Updated\\_Objectives\\_0114.pdf](http://www.ieee802.org/3/bp/public/jan14/Updated_Objectives_0114.pdf)

Moved by John D'Ambrosia on behalf of the Task Force  
Technical 75%

Y:    N:    A:

MOTION: Passes by voice vote without objection

# WG Motion

Motion #3: Request that the 802.3 Working Group affirms the IEEE 802.3bp Responses to the Criteria for Standards Development (grandfathered 5 Criteria)

Moved by John D'Ambrosia  
Second by George Zimmerman  
Technical 75%

Y: 88    N: 0    A: 1  
MOTION: Passes



# Future Work

- EMC Ad hoc – not planning on regular meetings prior to May Interim, will meet as contributions demand.
- Channel Ad hoc – anticipating baseline contribution for test fixtures, alien crosstalk, and balance measurements @ May Interim
- PHY Ad Hoc for May–
  - Work on action plan to complete definition of details of baseline PHY proposal.
  - Complete definition of a transmit PSD mask.
  - Complete analysis of the PoDL noise impact by the May Task Force meeting.



**Thank you!**