P802.3bp 1000BASE-T1

IEEE 802.3 Ethernet Working Group
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High Speed Design, Inc.
July 14, 2014
San Diego CA
Reflector and Web

- To subscribe to the RTPGE reflector, send an email to:
  
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- Send RTPGE reflector messages to:
  
  \texttt{stds-802-3-RTPGE @listserv.ieee.org}

- Task Force web page URL:
  
  \texttt{www.ieee802.org/3/bp/index.html}
Private Area

- Login: 802.3bp
- Password: **********
IEEE P802.3bp Task Force

- Met in Norfolk, VA Wednesday and Thursday AM May 14-15, 2014
- ~50 people in the room (some from P802.3bu PoDL and 1TPCE)
- **EMC and Noise**
  - Presentations on TX-PSD mask for PAM-3 to meet emissions
  - Presentations on filtering schemes for PAM-3
- **Channel**
  - Discussed plans for testing annex and deliverables for July
  - PoDL – reports from Dave Dwelley, P802.3bu Chair and liaison; response from P802.3bp
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• PHY
  • Presentations on signal constellations
  • Presentations on FEC
    • New data on connector vibration performance
    • Examine trade-offs for FEC vs. latency
  • Presentations on auto-negotiation (link start-up and training needed for 1000BASE-T1)
  • Consensus that a fast 1-pair rate auto-negotiation could be added to this
  • Working on what parameters are needed to close the transmitter spec and the create of baseline text
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Motion #4
Move that the IEEE P802.3bp task force adopt the following objective:

Support optional single-pair auto-negotiation mechanism

M: William Lo  S: Mehmet Tazebay
Y: 25 N: 0 A: 5 (TECHNICAL ≥ 75%)
MOTION PASSES
802.3 Voters Only (FOR INFORMATION)
Y: 17 N: 0 A: 1 (TECHNICAL ≥ 75%)
Motion #5
Move that the IEEE P802.3bp Task Force adopts diminico_3bp_04_0514.pdf as the baseline text for IEEE P802.3bp/RTPGE Draft Standard Annex: Alien Crosstalk Test Procedure

M: Chris DiMinico S: Neven Pischl
Y: 27 N: 0 A: 1 (TECHNICAL ≥ 75%)
MOTION PASSES
802.3 Voters Only (FOR INFORMATION)
Y: 16 N: 0 A: 0 (TECHNICAL ≥ 75%)
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Motion #6
Move that the IEEE P802.3bp Task Force adopts diminico_3bp_03_0514.pdf as the baseline text for IEEE P802.3bp/RTPGE Draft Standard Annex XX – Common mode conversion test methodology

M: Chris DiMinico S: Curtis Donahue
Y: 25 N: 0 A: 3 (TECHNICAL ≥ 75%)
MOTION PASSES
802.3 Voters Only (FOR INFORMATION)
Y: 16 N: 0 A: 0 (TECHNICAL ≥ 75%)
Goals for the week

- Meet Tuesday, Wednesday 9:00AM – 6:00PM and Thursday morning (if needed)
- Presentations
- Adopt additional PHY baseline text
- Adopt timeline
- Review comment tool and commenting
- Start TF review on D0.5 out of July
Thank you!