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# **P802.3bp 1000BASE-T1**

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**IEEE 802.3 Ethernet Working Group**

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**High Speed Design, Inc.**

**March 17, 2014**

**Beijing PRC**

# Reflector and Web

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- Task Force web page URL:

[www.ieee802.org/3/bp/index.html](http://www.ieee802.org/3/bp/index.html)

# IEEE P802.3bp Task Force

- Met in Indian Wells, CA Tuesday, Wednesday, Thursday AM January 21-23, 2014
- ~53 people in the room (many from P802.3bu PoDL)
- **EMC and Noise**
  - Presentations on noise budgets under ISO 7637-3
  - Presentations on noise performance vs. modulation schemes.
  - Input from automotive OEMS on noise
- **Channel**
  - Request to look at automotive baseline to see if it can be relaxed---reports in March
  - Updates on ALIEN XTALK
  - Appointed Dave Dwelley as “liaison” to PoDL

# IEEE P802.3bp Task Force

- **PHY Naming**
  - Presentation from David Law, Past PHY Naming: Some Thoughts “
  - Discusses how PHYs have been named in the past
  - Much discussion of the presentation

# IEEE P802.3bp Task Force

**Motion #3:** Move that the name of the PHY is “1000BASE-T1”

M: Mehmet Tazebay

S; George Zimmerman

Technical, 75%

Y: 53 N: 0 A: 1

Motion passes, 9:21AM 1/22/2014

Note: There was no discussion of the motion.

# IEEE P802.3bp Task Force

- **PAR Update**

- Since the P802.3bp TF has settled on a single twisted pair as the automotive link segment, it's time to update the PAR
- Replace “fewer than three pairs” with “single pair” and correct the expected completion dates

- DRAFT Updated PAR URL:

[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)

- PAR submitted to EC and expected to be on the June SASB agenda

**Motion #5:** Move to accept the changes to the PAR in P802\_3\_PAR\_change\_0114.pdf

M: Mehmet Tazebay

S: Mandeep Chandra

Technical, 75%

Y: 38, N: 0, A: 1, motion passes 3:30PM 1/22/2014

# IEEE P802.3bp Task Force

- **Objectives Update**

- Since the P802.3bp TF has settled on a single twisted pair as the automotive link segment, it's time to update the Objectives
- Replace “less than three twisted pairs” with “ a single twisted pair” (this occurs once in the Objectives)
- DRAFT Updated Objectives URL:  
[www.ieee802.org/3/bp/public/jan14/Updated\\_Objectives\\_0114.pdf](http://www.ieee802.org/3/bp/public/jan14/Updated_Objectives_0114.pdf)

**Motion #4:** Move to accept the changes to the objectives as spelled out in Updated\_Objectives\_0114.pdf

M: Xiaofeng Wang

S; Gary Yurko

Technical, 75%

Y: 40, N: 0, A: 0 Motion passes 3:11PM 1/22/2014

# IEEE P802.3bp Task Force

- **Multi-Vendor PHY Proposals**
- Discussion on modulation schemes and possible FEC

**Motion#7:** Move that we: agree to focus on PAM-3 modulation, and further agree to finalize modulation choice at the March Plenary.

M: George Zimmerman

S: Mehmet Tazebay

Technical, 75%

Y: 39, N: 0, A: 7, motion passes, 3:38PM, 1/22/2014



# Goals for the week

- Meet Tuesday, Wednesday 9:00AM – 6:00PM and Thursday morning (if needed)
- Presentations
- Automotive link segment updates
- Work on multi-vendor PHY proposal and adopt modulation baseline
- Plan for May Interim meeting

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**Thank you!**