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

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**IEEE 802.3 Ethernet Working Group  
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High Speed Design, Inc.  
November 14, 2013  
Dallas TX**

# Reflector and Web

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

[ListServ@ieee.org](mailto:ListServ@ieee.org)

with the following in the body of the message (do not include “<>”):

*subscribe* stds-802-3-RTPGE <yourfirstname> <yourlastname>

- Send RTPGE reflector messages to:

**stds-802-3-RTPGE** [@listserv.ieee.org](mailto:stds-802-3-RTPGE@listserv.ieee.org)

- Task Force web page URL:

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

# Progress this week

- Met Tuesday and Wednesday
- ~40 to 50 people in the room
- Heard presentations from link segment and EMC ad hocs
- 9 presentations in support of the ad hoc recommendations
- 1 presentation on aircraft applications
- Adopted RL baseline
- Adopted mode conversion limit line
- Adopted suggested component level mode conversion limit line for connectors for inclusion in an informative annex
- Channel baselines have now been adopted
  - Insertion loss
  - Return loss
  - Alien Crosstalk
  - PSANEXT, PSAACRF
  - Common to differential conversion loss (SDC12/SDC21)
- Clause changed to Clause 97 to allow better ordering with 1PPoDL  
Clause 98

# Progress this week

- Five presentations on EMC test fixturing and measurements
- Moving to definition of BCI interference test
  - EMC ad hoc BCI limit line survey from automotive OEMS update
- There are no automotive industry standards for interference and noise---P802.3bp is creating our own limits based on input from OEMs
- Plan to close at January 2014 interim
- Additional modeling work on sinewave interference tolerance vs. TX launch voltage
- Presentation on possible “white space” re-use of UHF channels that could potentially interfere with P802.3bp bands, possibly as low as 512MHz

# Progress this week

- Presentation on networks present in commercial aircraft
- Fun Fact of the Week: a large commercial aircraft has 10,000 network nodes
  - They're not all Ethernet----yet

# Progress this week

Motion #2: Move that the IEEE P802.3bp Task Force affirms that proposed RL specifications for the automotive link segment in herman\_3bp\_01\_1113.pdf for inclusion in the 802.3bp baseline specification.

Moved by: Xiaofeng Wang  
Seconded by: Mehmet Tazebay

Technical 75%

Y: 43 N: 0 A: 4  
MOTION: Passes

# Progress this week

Motion #3: Move that The IEEE P802.3bp Task Force affirms the proposed Mode Conversion limit line for the automotive link segment in Slide # 13 of tazebay\_3bp\_01a\_0913.pdf for inclusion in 802.3bp baseline specification.

Moved by: Mehmet Tazebay

Seconded by: Gary Yurko

Technical 75%

Y: 33 N: 0 A: 5

MOTION: Passes

# Progress this week

Motion #4: In the view of data for available RTPGE connectors & cabling, move that the IEEE P802.3bp task force affirms the suggested component level mode conversion limit line for the RTPGE connectors & cabling in slide #7 of tazeбай\_3bp\_01a\_0913.pdf for inclusion in 802.3bp informative annex.

Moved by: Mehmet Tazeбай  
Seconded by: Mike Gardner

Technical 75%

Y: 37 N: 0 A: 3  
MOTION: Passes



# Liaison Letters

**Two liaison letters assigned to P802.3bp for response**

**TIA TR-42:**

**IEEE 802.3bp Task Force: Reduced Twisted Pair Gigabit Ethernet (RTPGE)**

**ISO/IEC JTC 1/SC 25:**

**Liaison report from ISO/IEC JTC 1/SC 25 to IEEE 802.3 regarding information from IEC/SC 46C relevant to IEEE P802.3bp**

# Motion

**Motion: Move to adopt the liaison response in IEEE\_802d3\_to\_tr\_42\_1113.pdf and to grant the working group chair editorial privilege.**

**M: S. Carlson  
S: D. Dwelley**

**Technical (> 75%)**

**Passed by voice without opposition**

# Motion

**Motion: Move to adopt the liaison response in IEEE\_802d3\_to\_ISOIEC\_JTC1\_SC25\_WG3\_1113.pdf and to grant the working group chair editorial privilege.**

**M: S. Carlson  
S: D. Dwelley**

**Technical (> 75%)**

**Y: 89 N:0 A: 0**

**Motion passes**

# Future Work

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- Close EMC at January 2014 interim
- Update Draft to D0.3 with latest baselines and new Clause 97 number
- Begin multi-vendor PHY proposal work

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**Thank you!**