

Motions and Straw Polls

IEEE P802.3cg 10 Mbps Single Pair Ethernet Task Force

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Motion #1

- **Move to approve the agenda as shown in [agenda_3cg_01_0517.pdf](#)**
- **M: L. Winkel S: M. McCarthy**
- **Procedural ($\geq 50\%$)**
- **Motion Passes by voice without opposition**

Motion #2

- **Move to approve the minutes of the March 2017 IEEE P802.3cg 10 Mbps Single Pair Ethernet Task Force meeting**
- **M: M. McCarthy S: A. Bains**
- **Procedural ($\geq 50\%$)**
- **Motion Passes by voice without opposition**

Straw Poll

- **I support slide 9 of Mueller_3cg_02_0517.pdf as the strawman for PHY noise evaluation for the 1000m PHY objective**
 - (understanding “Broadboard” is Broadband)
 - 10E-9 is 1 in 10⁹
- **Y: 28**
- **N: 0**
- **A: 13**

Liaison letter straw poll

- No letter
 - Y:11
 - N:3
 - A:3

Motion #3

- ***Move to adopt Slides 4 and 5 of Graber_3cg_08a_0517.pdf as a baseline for Modulation and Symbol rate for the 1000m PHY objective.***
- ***M: S. Graber S: B. Horrmeyer***
- ***Y: 30 N: 0 A: 10***
- **Motion Passes (Technical \geq 75%)**

Motion #4

- ***Move to adopt Slide 6 of Graber_3cg_08a_0517.pdf as an example Transmitter Test Setup for the 1000m PHY objective.***
- ***M: S. Graber S: M. McCarthy***
- ***Y: 32 N: 0 A: 11***
- **Motion Passes/Fails (Technical \geq 75%)**

Motion #5

- ***Move to adopt the following specification for transmitter level for the 1000m PHY objective:***
 - ***The transmitter specification will include 2 transmit voltage level options, 2.4Vpp and 1.0Vpp (at the MDI), with +/- 5% tolerances***
- ***M: S. Graber S: Markus Wucher***
- **Motion Passes/Fails (Technical $\geq 75\%$)**
- **[AMENDED BY MOTION 6]**

Motion #6

- ***Motion to amend Motion 5 to read:***
- ***Move to adopt the following specification for transmitter level for the 1000m PHY objective:***
 - ***The transmitter specification will include 2 transmit voltage levels, 2.4Vpp and 1.0Vpp (at the MDI), with +/- 5% tolerances***
- ***M: M. McCarthy S: P. Jones***
- ***Y: 25 N: 0 A: 13***
- **Motion to Amend Passes (Technical \geq 75%)**

Motion #5 amended

- ***Move to adopt the following specification for transmitter level for the up to 1000m PHY objective:***
 - ***The transmitter specification will include 2 transmit voltage levels, 2.4Vpp and 1.0Vpp (at the MDI), with +/- 5% tolerances***
- ***M: S. Graber S: M. Wucher***
- ***Y: 27 N: 2 A: 10***
- **Motion Passes (Technical \geq 75%)**

Motion #7 to amend #5 amended

- ***Move to amend (amended) Motion #5 to read:***
- ***Move to adopt the following specification for PHY associated with objective bullet #12 transmitter level:***
 - ***The transmitter specification will include 2 transmit voltage levels, 2.4Vpp and 1.0Vpp (at the MDI), with +/- 5% tolerances***
- ***M: C. Diminico S: B. Voss***
- **[MOTION WITHDRAWN with CONSENT OF GROUP]**

Motion #8

- ***Move to slides 10 and 11 of Graber_3cg_08a_0517.pdf as Clock frequency and jitter tolerance for the up to 1000m PHY objective.***
- ***M: S. Graber S: M. McCarthy***
- ***Y: 18 N: 2 A: 5***
- **Motion Passes (Technical \geq 75%)**

Motion #9

- ***Move to adopt slide 12 of Graber_3cg_08a_0517.pdf as test patterns for the up to 1000m PHY objective.***
- ***M: S. Graber S: Oisin***
- ***Y:22 N: 0 A: 7***
- **Motion Passes (Technical \geq 75%)**

Motion #10

- ***Move to adopt use of a blind link training technique without the need for dedicated training sequences as the link training method for the up to 1000m PHY objective.***
- ***M: S. Graber S: T. Brillhart***
- ***Y: 22 N: 0 A: 6***
- **Motion Passes (Technical \geq 75%)**

Motion #11

- ***Move to adopt Table of electromagnetic classifications for the up to 1000m 802.3cg link segment baseline; slide 13 in diminico_01_0517.pdf.***
- ***M: C. Diminico S: S. Graber***
- ***Y: 21 N: 0 A: 7***
- **Motion Passes (Technical \geq 75%)**

Motion #12

Move to create normative annex in 802.3cg baseline “Optional Power Distribution annex” to include:

- ***Power/voltage/current/DCR for link segment (point-to-point/plug-and-play) topologies* slide 12 diminico_02_0517.pdf.***
 - ***“engineered” power delivery for other topologies* (trunk cables) slide 14 diminico_02_0517.pdf.***
 - ***Link Segment DCR characteristics slide 19 diminico_02_0517.pdf.***
- ***M: C. Diminico S: S. Graber***
 - ***Y: 18 N: 0 A: 9***
 - ***Motion Passes (Technical \geq 75%)***

Motion #13

- ***Move to adopt in 802.3cg baseline Optional Power Distribution annex baseline power requirements for (point-to-point/plug-and-play) powered devices in Table below:***

Class	Vpse, min V	Ipi, max (A)	Rloop (60C) ohm	Ppd (1000m) W
new 1	20	.102	59	1.4
new 2	20	.155	39	2.2
new 3	50	.255	59	8.9
new 4	50	.388	39	13.6

- ***M: C. Diminico S: H. Stewart***
- ***Y: 20 N: 0 A: 9***
- **Motion Passes (Technical \geq 75%)**

Motion #14

- ***Move to adopt in 802.3cg baseline Optional Power Distribution annex baseline power requirements for “engineered” power delivery devices given in Table on slide 18 of diminico_02_0517.pdf, with the deletion of “in the daisy chain”.***
- ***M: C. Diminico S: M. McCarthy***
- ***Y: 20 N: 0 A: 7***
- **Motion Passes (Technical \geq 75%)**

Straw Poll - revisit

- I support an additional objective of the form: “Define a multidrop link segment and a PHY for up to at least: 5 nodes and a total of 15m of cabling and 2 inline connectors in a linear configuration.
- Y: 9
- N: 3
- A: 14

Motion #15

- *Move to adopt proposed timeline in Zimmerman_3cg_02_0517.pdf slide 5*
- *M: G. Zimmerman S: T. Brillhart*
- *Approved by voice without objection*
- *(Procedural)*

Future meetings

- I am likely to attend 802.3cg at:
- July plenary (Berlin, Germany):
 - Y: 41 N: 7 M: 4
- September Interim (Charlotte, NC USA)
 - Y: 32 N: 6 M: 13
- November Plenary (Orlando, FL USA)
 - Y: 19 N: 1 M: 10

(NOTE: July & September straw polls taken Thursday PM, when attendance was greater, November taken Friday at closing)

Motion #16

- **Move to adjourn the meeting.**
- **M: Jon Lewis S: S. Buntz**
- **Procedural**
- **Motion Passes (Procedural > 50%) by voice without opposition**

Thank You!