

Motions and Straw Polls

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

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Motion #2

- **Motion #2: Move to approve minutes of IEEE P802.3cg 10 Mbps Single Twisted Pair Ethernet Task Force from July 2017 as posted.**
- **M: Ludwig Winkel S: Eric DiBiaso**
- **Approved by voice without opposition (Procedural > 50%)**
- **Motion Passes**

Motion #3

- **Move to adopt the use of the 4B3T line code as specified on page 4 in “Graber_3cg_15a_0917.pdf”.**
- **M: S. Graber S: D. Brandt**
- **Y: 29 N:0 A:0**
- **(Technical \geq 75%)**
- **Motion Passes**

Motion #4

- **Move to adopt the use of comma sequences for the signaling of data and idle data streams as defined on pages 6 and 7 in “Graber_3cg_15a_0917.pdf”.**
- **M: S. Graber S: M. McCarthy**
- **Y: 32 N: 0 A:0**
- **(Technical \geq 75%)**
- **Motion Passes**

Motion #5

- **Move to adopt the side stream scrambling procedure as described on pages 8 to 10 in “Graber_3cg_15a_0917.pdf”.**
- **M: S. Graber S: L. Winkel**
- **Y: 32 N: 0 A:0**
- **(Technical \geq 75%)**
- **Motion Passes**

Motion #6

- **Move to adopt the PCS transmit state diagram as specified on page 17 in “Graber_3cg_15a_0917.pdf” with editorial license to conform to IEEE 802.3 style.**
- **M: S. Graber S: M. McCarthy**
- **Y: 32 N:0 A:0**
- **(Technical \geq 75%)**
- **Motion Passes**

Motion #7

- **Move to adopt the PCS receive state diagram as specified on pages 20 and 21 in “Graber_3cg_15a_0917.pdf” with editorial license to conform to IEEE 802.3 style.**
- **M: S. Graber S: P. Beruto**
- **Y: 32 N:0 A:0**
- **(Technical \geq 75%)**
- **Motion Passes**

Motion #8

- **Move to adopt the jabber state diagram as specified on page 23 in “Graber_3cg_15a_0917.pdf”.**
- **M: S. Graber S: B. Voss**
- **Y: 31 N:0 A:0**
- **(Technical \geq 75%)**
- **Motion Passes**

Motion #9

- **Move to adopt the PHY Control state diagram as defined on page 26 in “Graber_3cg_15a_0917.pdf” with editorial license to conform to IEEE 802.3 style.**
- **M: S. Graber S: L. Winkel**
- **Y: 31 N:0 A:0**
- **(Technical \geq 75%)**
- **Motion Passes**

Motion #11

- **Move to adopt the MII interface according to Clause 22 as the MAC interface (see page 24 in “Graber_3cg_15a_0917.pdf”).**
- **M: S. Graber S: M. Wucher**
- **Y: 32 N:0 A:1**
- **(Technical \geq 75%)**
- **Motion Passes**

Motion #12

- **Move to adopt an optional management interface (MDC/MDIO) according to Clause 45 (see page 35 in “Graber_3cg_15a_0917.pdf”).**
- **M: S. Graber S: B. Voss**
- **Y: 29 N:0 A:1**
- **(Technical \geq 75%)**
- **Motion Passes**

Motion # 13

- **Move to adopt text in diminico_01_0917.pdf for 802.3cg Optional Power Distribution Annex.**
- **M: Chris DiMinico S: B. Voss**
- **(Technical \geq 75%)**
- **Y: 28 N:0 A:2**

Motion #14

- Adopt the equations on slide 18 of http://www.ieee802.org/3/cg/public/Sept2017/DiBiaso_Bergner_01c_0917.pdf as a baseline for the 10SPE short reach link segment.

IL <	$1 + 1.6(f-1)/9$ dB	f=0.3.... 10MHz
	$2.6 + 2.3(f-10)/23$ dB	f=10 33MHz
	$4.9 + 2.3(f-33)/33$ dB	f=3340MHz
RL >	14 dB	f=0.3...10MHz
	$14 - 10 \cdot \text{LOG}_{10}(f/10)$ dB	f=10...40MHz
MC >	30 dB	f=0.3...20MHz
	$30 - 20 \cdot \text{LOG}_{10}(f/20)$ dB	f=20...200MHz

- M: Kirsten Matheus S: Eric DiBiaso
- (Technical $\geq 75\%$)
- Y: 28 N:0 A:1
- Motion Passes

Motion #15

- **Move that the 802.3cg Task Force supports the inclusion of in-system use cases, as described in [bains_lewis_10spe_01a_0910.pdf](#), subject to a successful CFI and Study Group outcome.**
- **M: P. Jones S:R. Naismith**
- **Procedural > 50%**
- **Y:30 N: 0 A:0**
- **Motion Passes**

Motion #16

- **Move that 802.3cg add the following objective:**
 - **Define a multi-drop PHY using Clause 4 half-duplex operation supporting up to at least 25m of balanced pair cabling in passive linear topologies.**
- **M: Kirsten Matheus S: David Brandt**
- **Technical ($\geq 75\%$)**
- **Y: 33 N:0 A:0**
- **Motion Passes**

Motion #17

- **Move that 802.3cg define an optional collision reduction method based on Beruto_3cg_01a_0917.pdf to provide PHY-level multi-drop performance improvement.**
- **M: Piergiorgio Beruto S: Ron Naismith**
- **Technical ($\geq 75\%$)**
- **Y:31 N:1 A:1**
- **Motion Passes**

Motion #18

- **Move to approve draft 0.2 text as presented and instruct editor to implement changes agreed to during online discussion and motions to generate draft 0.3.**
- **M: B. Voss S: S. Vaden**
- **Motion Passes Voice without Opposition**

Future Meetings Straw Poll

- I am likely to attend 802.3cg at:
- November plenary (Orlando, FL USA):
 - Y: 30 N: 1 M: 3
- January Interim (ITU Geneva, CH)
 - Y: 19 N:3 M:9

Adjournment

- (no motion – meeting adjourned by exhausting the agenda)

Thank You!