

Motions and Straw Polls

IEEE P802.3ch Multi-Gig Automotive Ethernet Task Force

Steve Carlson, Chair

High Speed Design, Inc., Robert Bosch, Marvell

Pittsburgh, PA USA May 24-25, 2018

Motion #1

- **Move to approve the agenda as shown in [agenda 3ch 01 0518.pdf](#)**
- **M: Natalie Wienckowski**
- **S: Thomas Müller**
- **Approved by voice without opposition (Procedural > 50%)**
- **Motion Passes**

Motion #2

- **Move to approve the minutes of the March 2018 IEEE P802.3ch Multi-Gigabit Automotive Ethernet PHY Task Force Meeting.**
- **M: George Zimmerman**
- **S: Phil Brownlee**
- **Approved by voice without opposition (Procedural > 50%)**
- **Motion Passes**

Motion #3

- **Move to confirm minutes for ad hocs on 3/21, 4/18, and 5/16 as posted**
- **M: George Zimmerman**
- **S: Natalie Wienckowski.**
- **(Procedural > 50%)**
- **Approved by voice without opposition**
- **Motion Passes**

Motion #4

- **Move to adopt 1Vpp as the transmit voltage level for 2.5G/5G/10GBASE-T1.**
- **M: Tom Souvignier**
- **S: Sujan Pandey**
- **(Technical $\geq 75\%$)**
- **Y: 28 N: 2 A: 5**
- **Motion Passes**

Motion #5

**Move to select Reed-Solomon FEC for
2.5GBASE-T1**

M: Gerrit den Besten

S: Amir Bar-Niv

(Technical \geq 75%)

Y: 29 N: 0 A: 8

Motion Passes

Motion #6

**Move to select Reed-Solomon FEC for
5GBASE-T1 & 10GBASE-T1**

M: Gerrit den Besten

S: Ramin Farjadrad

(Technical \geq 75%)

Y: 27 N: 1 A: 8

Motion Passes

Motion #7

- Move to adopt a new Insertion Loss Limit given by the equation:

$$IL_{dB}(f) \leq 0.0031 * f + 0.30 * \sqrt{f} + 1.5$$

as shown by the “gray curve” on page 25 of DiBiaso_3ch_01_0518.pdf for all 3 speeds for frequencies from 5MHz to 5.5GHz.

- M: Eric DiBiaso
- S: Harsh Patel
- (Technical $\geq 75\%$)
- Y: 10 N: 9 A: 17
- Motion Fails

Motion #8

Move to adopt Coupling Attenuation Reference Test Limit given by the equation:

$$\left[\begin{array}{ll} 70 & 30 \leq f \leq 750 \text{ MHz} \\ 50 - 20\log(f / 7500) & 750 \leq f \leq 5500 \text{ MHz} \end{array} \right] \text{ dB}$$

30 MHz $\leq f \leq$ 5500 MHz frequency f in MHz as shown on page 9 of [mueller_3ch_02a_0518.pdf](#) for all 3 speeds for frequencies from 30 MHz to 5500 MHz.

- M: Thomas Müller
- S: Masood Sharif
- (Technical \geq 75%)
- Y: 19 N: 0 A: 17
- Motion Passes

Motion #9

- **Move to instruct the Chief Editor to create D0.4 from D0.3 and adopted baseline from motions in the May Interim.**
- **M: Natalie Wienckowski**
- **S: George Zimmerman**
- **(Technical $\geq 75\%$)**
- **Approved by voice without opposition**
- **Motion Passes**

Motion #10

- **To adjourn the meeting.**
- **M: Brett McClellan**
- **S: Sujan Pandey**
- **Approved by voice without opposition
(Procedural > 50%)**
- **Motion Passes**

Straw Polls

Straw Poll #1

Attendance:

- Attend July 2018 802 San Diego, CA plenary:
 - Y: 22 N: 3 M: 7
- Attend September 2018 interim, Dell EMC, Spokane, WA, USA:
 - Y: 17 N: 1 M: 13
- Room count: 34

Straw Poll #2

The 2.5GBASE-T1 PHY consider 1 bit per symbol (PAM2)

1. Yes
2. No
3. I don't know

1: 14 2: 8 3: 12

Straw Poll #3

The 2.5GBASE-T1 PHY consider 3 bits per symbol (PAM8)

1. Yes
2. No
3. I don't know

1: 4 2: 19 3: 11

Straw Poll #4

The 2.5G link segment specification should be independent from the 10G segment

1. Yes
2. No
3. I don't know

1: 5 2: 12 3: 15 (Including GZ)

Straw Poll #5

The IL limit line should be changed to have a maximum frequency of 3 GHz

Y: 16

N: 9

Straw Poll #6

The RL limit line should be changed to have a maximum frequency of 3 GHz

Y: 3

N: 13

Straw Poll #7

- The choice of line code & modulation for the 2.5G Clause may be different than the 10G/5G Clause.

1. Yes

2. No

3. I Don't Know

1: 20 2: 0 3: 12

Straw Poll #8

Should the Insertion loss limit be written based off of 15 m of 26AWG?

1. Yes

2. No

3. I Don't Care

1: 1 2: 3 3: 20

Straw Poll #9

What DC offset value would you be ok with in the Insertion Loss limit equation?

1. 0

2. 0.5

3. 1

4. I don't care

(Chicago)

1: 3 2: 6 3: 8 4: 14

Straw Poll #10

What should the lower frequency limit be for the Insertion loss limit

1. 5 MHz (current)
2. 5 MHz to 50 MHz
3. 50 MHz to 100 MHz
4. > 100 MHz

1: 18 2: 0 3: 0 4: 0



Thank You!