Motions and Straw Polls

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

Steve Carlson, Chair

High Speed Design, Inc., Robert Bosch, Marvell

Spokane, WA USA September 10-11, 2018

Motion #1

- **Move to approve the agenda as shown in agenda_3ch_1_0818.pdf**
- **M: George Zimmerman**
- **S: Bob Grow**
- **Approved by voice without opposition (Procedural > 50%)**
- **Motion Passes**

Motion #2

- **Move to approve the minutes of the July 2018 IEEE P802.3ch Multi-Gigabit Automotive Ethernet PHY Task Force Meeting.**

- **M: Natalie Wienckowski**

- **S: Paul Langner**

- **Approved by voice without opposition (Procedural > 50%)**

- **Motion Passes**

Motion #3

- **Move to confirm minutes for ad hocs on 7/26, 8/22, and 9/5/18 as posted.**

- **M: George Zimmerman**

- **S: Chris Mash**

- **Approved by voice without opposition (Procedural > 50%)**

- **Motion Passes**

Motion #4

- **Move to adopt PCS block coding 64B/65B as defined in Clause 55.**
- **M: Mike Tu**
- **S: Paul Langner**
- **(Technical >= 75%)**
- **Y: 24   N: 0   A: 18**
- **Motion Passes**

Motion #5

- **Move to adopt RS FEC (N=360, K=326, m=10), consisting of 50 PCS 64B/65B blocks, a 10-bit field formerly known as OAM, and 34 parity symbols, as the baseline.**

- **M: Mike Tu**

- **S: William Lo**

- **(Technical >= 75%)**

- **Y: 19   N: 1   A: 23**

- **Motion Passes**

Motion #6

- **Move to adopt the PCS transmit diagram shown on slide #7 of "tu_3ch_01a_0918.pdf", after removing "Optional Fixed Precoder" as the baseline for interleaving depth=1.**

- **M: Mike Tu**

- **S: Brett McClellan**

- **(Technical >= 75%)**

- **Y: 15   N: 0   A: 25**

- **Motion Passes**

Motion #7

- **Move to adopt PAM2 as the modulation for training and the training side-stream scrambler polynomials from 97.3.4 (same as Clause 55)**
  - **Master $g_M(x) = 1 + x^{13} + x^{33}$**
  - **Slave $g_S(x) = 1 + x^{20} + x^{33}$**
- **M: Mike Tu**
- **S: William Lo**
- **(Technical >= 75%)**
- **Y: 19   N: 0   A: 22**
- **Motion Passes**

Motion #8

- **Move to adopt data mode scrambler polynomials (same as 55.3.2.2.16) for 10G and 5G.**
  - **Side-stream scramblers**
  - **Master $G_M(x) = 1 + x^{39} + x^{58}$**
  - **Slave $G_S(x) = 1 + x^{19} + x^{58}$**
- **M: Mike Tu**
- **S: Peter Wu**
- **Motion was withdrawn.**

Motion #9

- **Move to adopt PAM4 mapping from Clause 94.2.2.5 and 94.2.2.7**
  - {0, 0} maps to 0, {0, 1} maps to 1, {1, 1} maps to 2, and {1, 0} maps to 3.
  - 0 maps to –1, 1 maps to –1/3, 2 maps to +1/3, and 3 maps to +1.
- **M: Mike Tu**
- **S: Brett McClellan**
- **(Technical >= 75%)**
- **Y: 21   N: 0   A: 16**
- **Motion Passes**

Motion #10

- **Move to adopt the interleaver as depicted on slide #9 of "tu_3ch_01a_0918.pdf" as the baseline.**

- **M: Mike Tu**

- **S: Paul Langner**

- **(Technical >= 75%)**

- **Y: 19   N: 0   A: 20**

- **Motion Passes**

Motion #11

- **Move to adopt the interleaver depth up to 8, as the baseline.**
- **M: Mike Tu**
- **S: Paul Langner**
- **(Technical >= 75%)**
- **Motion withdrawn.**

Motion #12

- **Primitive polynomial defined to be $x^{10}+x^3+1$.**

- **M: William Lo**

- **S: Paul Langner**

- **Approved by voice without opposition (Technical >= 75%)**

- **Y: 19   N: 0   A: 21**

- **Motion Passes**

Motion #13

- **Move to adopt baseline insertion loss limit for 2.5Gbps operation:**

$$IL \ < \ 0.0023 * f + 0.5907 * \sqrt{f} + \frac{0.0639}{\sqrt{f}}$$

for f = 5-800 MHz

- **M: Gerrit den Besten**

- **S: Ricky Vernickel**

- **Motion postponed until November by Motion #15.**

IEEE P802.3ch Task Force – September 2018, Spokane, WA USA

Motion #14

- **Move to table Motion #13 until November plenary.**
- **M: Brett McClellan**
- **S: Masood Shariff**
- **Motion withdrawn**

Motion #15

- **Move to postpone Motion #13 until the November plenary.**
- **M: Geoff Thompson**
- **S: Masood Shariff**
- **(Procedural > 50%)**
- **Y: 24   N: 4   A: 4**
- **Motion Passes**

Motion #16

- **Move to adopt selectable fixed precoder as shown on slide #5 and #6 of "souvignier_3ch_02_0918.pdf".**
- **M: Tom Souvignier**
- **S: George Zimmerman**
- **(Technical >= 75%)**
- **Y: 16   N: 0   A: 22**
- **Motion Passes**

Motion #17

- **Move to adopt a shielding attenuation requirement for 5/10Gbps operation of 45dB for f=5-5500MHz**

- **M: Gerrit den Besten**

- **S: Mau-Lin Wu**

- **(Technical >= 75%)**

- **Y: 3   N: 11   A: 21**

- **Motion Fails**

Motion #18

- **Move to approve the draft liaison response as shown in "IEEE_802d3_to_MIPI_0908_draft_R03.docx" and instruct the Task Force Chair to take to the WG meeting.**
- **M: Natalie Wienckowski**
- **S: Bob Grow**
- **Approved by voice without opposition (Technical >= 75%)**
- **Motion Passes**

Motion #19

- **Accept the resolutions to all P802.3ch d0p5 comments marked with the Topic "EZ" and posted as, '"EZ Bucket" comments with proposed resolutions sorted by clause/subclause', excluding none.**
- **M: Natalie Wienckowski**
- **S: George Zimmerman**
- **(Technical >= 75%)**
- **Y: 31   N: 0   A: 0**
- **Motion Passes**

Motion #20

- **Merge clause 150 into 149 with editorial license granted to the Chief Editor.**
- **M: Natalie Wienckowski**
- **S: George Zimmerman**
- **(Technical >= 75%)**
- **Y: 33   N: 0   A: 0**
- **Motion Passes**

Motion #21

- **Move to accept the changes shown in slides 16, 18, 19, 20 and 22 from "wienckowski_3ch_03a_0918.pdf" with editorial license granted to the Chief Editor.**

- **M: Natalie Wienckowski**

- **S: George Zimmerman**

- **(Technical >= 75%)**

- **Y: 31   N: 0   A: 0**

- **Motion Passes**

Motion #22

- **Move to instruct the Chief Editor to create D0.6 from D0.5 from closed comments received on D0.5, adopted baseline from passed motions and the Chief Editors report from the September interim.**

- **M: Natalie Wienckowski**

- **S: George Zimmerman**

- **(Technical >= 75%)**

- **Y: 32   N: 0   A: 0**

- **Motion Passes**

Motion #23

- **Move to adjourn the meeting.**
- **M: Brett McClellan**
- **S: Gerrit den Besten**
- **Approved by voice without opposition Motion Passes**

Straw Polls

Straw Poll #1

Attendance:

- Attend November 2018 802 Bangkok, Thailand plenary:

- Y: 30   N: 10   M: 7

- Attend January 2019 interim, Aruba, Long Beach, CA, USA:

- Y: 34   N: 1   M: 14

- Room count:

Thank You!