

## APPROVED MINUTES

### IEEE 802.3 Ethernet Working Group

#### Hybrid Plenary Opening Meeting

May 18, 2023

<https://www.ieee802.org/3/minutes/may23/index.html>

**THURSDAY, 18 MAY 2023**

Minutes were taken by recording secretary Jon Lewis.

#### ADMINISTRATIVE MATTERS

##### Call to order

David Law, Chair of the IEEE 802.3 Ethernet Working Group, called the meeting to order at 19:00 CT.

##### Welcome, introductions, and general announcements

Mr. Law noted that it would be too time consuming to have each individual introduce themselves, that introductions would not be done at this hybrid meeting.

Mr. Law showed a list of officers of the IEEE 802.3 Working Group:

IEEE 802.3 Chair: David Law

IEEE 802.3 Vice-Chair: Adam Healey

IEEE 802.3 Secretary: Jon Lewis

IEEE 802.3 Executive Secretary: Steve Carlson

IEEE 802.3 Treasurer: Valerie Maguire

##### IEEE 802.3 Task Force chairs

IEEE P802.3cw 400 Gb/s over DWDM systems Task Force: John D'Ambrosia

IEEE P802.3cy Greater than 10 Gb/s Automotive Ethernet Electrical PHYs: Steve Carlson

IEEE P802.3da 10SPE Multidrop Enhancements: Chad Jones

IEEE P802.3df 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s Ethernet: John D'Ambrosia

IEEE P802.3dg 100 Mb/s Long-Reach Single Pair Ethernet Task Force: George Zimmerman

IEEE P802.3dh Multi-Gigabit Automotive Ethernet over Plastic Optical Fiber Task Force: Yuji Watanabe

IEEE P802.3dj 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s Ethernet: John D'Ambrosia

IEEE P802.3dk Greater than 50 Gb/s Bidirectional Optical Access PHYs: Yuanqiu Luo

IEEE P802.3.1 (IEEE 802.3.1b) Ethernet MIBs (revision): Marek Hajduczenia (acting)

IEEE P802.3.2 (IEEE 802.3.2a) YANG Data Model Definitions (revision) Marek Hajduczenia (acting)

## IEEE 802.3 Task Force vice-chairs

IEEE P802.3cw 400 Gb/s over DWDM systems: Tom Issenhuth

IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet: Natalie Wienckowski

IEEE P802.3df 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s Ethernet: Mark Nowell

IEEE P802.3dh Multi-Gigabit Automotive Ethernet over Plastic Optical Fiber Task Force: Luis Manuel Torres

IEEE P802.3dj 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s Ethernet: Mark Nowell

## **Working Group Decorum**

Mr. Law introduced the Working Group decorum as described in the opening report. Please see [https://www.ieee802.org/3/minutes/may23/0523\\_802\\_3\\_interim.pdf#page=4](https://www.ieee802.org/3/minutes/may23/0523_802_3_interim.pdf#page=4).

Mr. Law noted that there should be no recording without permission and that recording was disabled for this meeting in the teleconference tool.

Mr. Law asked if anyone was attending from the press including those who would run a public blog on this meeting other than those limited to summarizing the meeting. There was no response.

Mr. Law introduced the procedure for participants to include their affiliation in their screen name and noted other zoom guidelines for in-person and remote participants including the operation of the queues. Please see

[https://www.ieee802.org/3/minutes/may23/0523\\_802\\_3\\_interim.pdf#page=6](https://www.ieee802.org/3/minutes/may23/0523_802_3_interim.pdf#page=6).

Mr. Law informed the group that the May interim meeting is subject to a registration fee and that there are penalties for non-payment of registration fees.

[https://www.ieee802.org/3/minutes/may23/0523\\_802\\_3\\_interim.pdf#page=8](https://www.ieee802.org/3/minutes/may23/0523_802_3_interim.pdf#page=8).

## **Review and approval of agenda**

Mr. Law noted that a soft copy of the draft agenda had been posted to the minutes section for this meeting.

Mr. Law asked if there were any additions to the draft agenda. There was no response.

### **MOTION #1**

Approve the agenda.

M: John D'Ambrosia

S: Bob Voss

Procedural (> 50%)

Motion Passed by unanimous consent , 19:18 CT

## Call for patents

Please see

[https://www.ieee802.org/3/minutes/may23/0523\\_802\\_3\\_interim.pdf#page=10](https://www.ieee802.org/3/minutes/may23/0523_802_3_interim.pdf#page=10)

Mr. Law showed the IEEE patent policy slides.

Mr. Law asked if anyone was aware of any patent claims potentially essential to the proposed standards under development by the IEEE 802.3 Working Group. There was no response.

Mr. Law asked that Mr. Lewis record that:

The patent policy, per the latest PatCom slide set, was shown

There was no response to the call for potentially essential patent claims

Anyone wishing to submit a letter of assurance can do so at any time by contacting Mr. Law or the PatCom administrator

Mr. Law reminded the group of inappropriate topics that should not be discussed. These included territory, market share, price, ongoing litigation, threatened litigation, etc.

Mr. Law reviewed the IEEE SA copyright slides.

[https://www.ieee802.org/3/minutes/may23/0523\\_802\\_3\\_interim.pdf#page=15](https://www.ieee802.org/3/minutes/may23/0523_802_3_interim.pdf#page=15)

Mr. Law advised participants that:

- IEEE SA's copyright policy is described in Clause 7 of the IEEE SA Standards Board Bylaws and Clause 6.1 of the IEEE SA Standards Board Operations Manual;
- Prior to presentation or submission, you shall notify the Working Group Chair of previously Published material and should assist the Chair in obtaining copyright permission acceptable to IEEE SA. For material that is not previously Published, IEEE is automatically granted a license to use any material that is presented or submitted.

Mr. Law reviewed the IEEE SA participation slides.

[https://www.ieee802.org/3/minutes/may23/0523\\_802\\_3\\_interim.pdf#page=18](https://www.ieee802.org/3/minutes/may23/0523_802_3_interim.pdf#page=18)

Mr. Law advised participants that:

- Participants in the IEEE-SA "individual process" under which the project operates shall act independently of others, including employers, and shall act based on their qualifications and experience. By participating in standards activities using the "individual process", you are deemed to accept these requirements; if you are unable to satisfy these requirements then you shall immediately cease any participation.

## General Working Group business

Mr. Law explained the membership requirements (gaining and retaining):

- 75% attendance at 2 of last 4 plenary meetings (a qualifying interim may be substituted for one plenary)
- Request to become member during IEEE 802.3 potential voter agenda item
- Participate in 2 of last 3 WG ballots to retain membership

- Maintain valid contact information
- Consistent declaration of affiliation

Mr. Lewis reviewed the membership and attendance tool procedures.

[https://www.ieee802.org/3/minutes/may23/0523\\_802\\_3\\_interim.pdf#page=24](https://www.ieee802.org/3/minutes/may23/0523_802_3_interim.pdf#page=24)

Mr. Carlson and Mr. Jones asked on-line participants to declare their affiliation. Mr. Carlson noted that participants that do not declare affiliation would be removed from the meeting.

## LIAISONS

### External Liaison letters (old)

ISO/IEC JTC 1/SC 25/WG 3: Multi-drop cabling [liaison letter](#)

### External Liaison letters (new)

ITU-T SG15: Latest Access Network Transport (ANT) Standards Overview and Work Plan [liaison letter](#)

ITU-T SG15: Latest Home Network Transport (HNT) Standards Overview and Work Plan [liaison letter](#)

ITU-T SG15: Latest ANT and HNT Standards Overviews and Work Plans [liaison letter](#)

ITU-T SG15: OTNT Standardization Work Plan Issue 32 [liaison letter](#) and attachments [1](#) and [2](#)

ITU-T SG15 100 Gb/s bidirectional point-to-point optical access [liaison letter](#) and [attachment](#)

ITU-T SG15: ITU-T recommendation G.652 fibre link property [liaison letter](#) and [attachment](#)

ITU-T SG15: Information Model/Data Model (IM/DM) modelling coordination [liaison letter](#)

ITU-T SG15: Inclusive language [liaison letter](#) and attachments [1](#), [2](#) and [3](#)

### MOTION #2

Move that the IEEE 802.3 Working Group approve: 3dk\_2305\_LS\_response\_SG15-LS049\_Redacted.pdf with editorial license granted to the Chair (or his appointed agent) as a liaison communication from the IEEE 802.3 Working Group to the ITU-T Study Group 15 Question 2.

M: Yuanqiu Luo

S: Peter Stasser

Technical (>= 75%)

Y: 65 N: 0 A: 2

Motion Passed, 19:29 CT

Future Meetings Report – Steve Carlson

[https://www.ieee802.org/3/minutes/may23/0523\\_meetings.pdf](https://www.ieee802.org/3/minutes/may23/0523_meetings.pdf)

Revisions IEEE P802.3.1 (IEEE 802.3.1b) Ethernet MIBs and IEEE P802.3.2 (IEEE 802.3.2a) YANG Data Model Definitions - Marek Hajduczenia (acting)

**MOTION #3**

Move that the IEEE 802.3 Working Group grant approval for the IEEE P802.3.1 (IEEE 802.3.1b) Task Force to meet with the IEEE P802.3.2 (IEEE 802.3.2a) Task Forces to take motions during any joint meeting between these task forces only.

M: Marek Hajduczenia

S: Steve Carlson

Technical ( $\geq 75\%$ )

Motion Passed by unanimous consent, 19:43 CT

## Opening reports:

IEEE P802.3dj 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s Ethernet – John D’Ambrosia

### **MOTION #4**

- Move to:
- Approve the following backplane objectives for 200GBASE-KR1, 400BASE-KR2, 800GBASE-KR4, and 1.6TBASE-KR8:
  - Define a physical layer specification that supports 200 Gb/s operation over 1 lane over electrical backplanes supporting a die-to-die insertion loss  $\leq$  40 dB at 53.125 GHz
  - Define a physical layer specification that supports 400 Gb/s operation over 2 lanes over electrical backplanes supporting a die-to-die insertion loss  $\leq$  40 dB at 53.125 GHz
  - Define a physical layer specification that supports 800 Gb/s operation over 4 lanes over electrical backplanes supporting a die-to-die insertion loss  $\leq$  40 dB at 53.125 GHz
  - Define a physical layer specification that supports 1.6 Tb/s operation over 8 lanes over electrical backplanes supporting a die-to-die insertion loss  $\leq$  40 dB at 53.125 GHz

• M: John D’Ambrosia

S: Kent Lusted

Technical ( $\geq$  75%)

Motion Passed by unanimous consent, 19:49 CT

### **MOTION #5**

Move that 802.3 WG approve:

IEEE\_802d3\_to\_ITU\_3df\_2305\_draft\_Redacted.pdf with editorial license granted to the Chair (or his appointed agent) as a liaison communication from the IEEE 802.3 Working Group to ITU-T SG 15.

M: John D’Ambrosia

S: Kent Lusted

Technical ( $\geq$  75%)

Y: 66 N: 0 A: 3

Motion Passed, 20:00 CT

