

## **APPROVED MINUTES**

### **IEEE 802.3 Ethernet Working Group**

#### **Hybrid Plenary Opening Meeting**

**July 11, 2022**

<https://www.ieee802.org/3/minutes/mar22/index.html>

**MONDAY, 11 JULY 2022**

Minutes were taken by Marek Hajduczenia.

#### **ADMINISTRATIVE MATTERS**

##### **Call to order**

Mr. Adam Healey, Vice Chair of the IEEE 802.3 Ethernet Working Group, called the meeting to order at 10:06 EDT. Mr. Healey noted that this was an inconvenient time for some and thanked the group for attending. Mr. Healey also wished everyone is staying safe and is well.

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

Mr. Healey 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. Healey 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 P802.3ck 100 Gb/s, 200 Gb/s, and 400 Gb/s Electrical Interfaces: Beth Kochuparambil

IEEE P802.3cs Ethernet access PMDs for central office consolidation (Super-PON): Claudio DeSanti

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

IEEE P802.3cx Improved PTP Timestamping Accuracy: Steve Gorshe

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

IEEE P802.3cz Multi Gigabit Automotive Optical PHYs: Bob Grow

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

IEEE P802.3db 100 Gb/s per Wavelength Short Reach PHYs: Robert Lingle Jr.

IEEE P802.3de Time Synchronization for Point-to-Point Single Pair Ethernet: George Zimmerman

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 802.3 Task Force vice-chairs

IEEE P802.3ck 100 Gb/s, 200 Gb/s, and 400 Gb/s Electrical Interfaces: Kent Lusted  
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 P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber: Mabud Choudhury  
IEEE P802.3df 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s Ethernet: Mark Nowell

Mr. Healey introduced the procedure for including your affiliation in your screen name. Please see

[https://www.ieee802.org/3/minutes/mar22/0322\\_802\\_3\\_opening\\_plenary.pdf#page=3](https://www.ieee802.org/3/minutes/mar22/0322_802_3_opening_plenary.pdf#page=3).

#### **Working Group Decorum**

Mr. Healey introduced the Working Group decorum as described in the opening report. Please see

[https://www.ieee802.org/3/minutes/jul22/0722\\_802\\_3\\_opening\\_plenary.pdf#page=3](https://www.ieee802.org/3/minutes/jul22/0722_802_3_opening_plenary.pdf#page=3).

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

Mr. Healey 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 oEDTomes. There was no response.

Mr. Healey presented the rules for processing online and on-site queues for questions and discussion.

Mr. Healey informed the group that the July plenary meeting is subject to a registration fee and that there are penalties for non-payment of registration fees.

[https://www.ieee802.org/3/minutes/jul22/0722\\_802\\_3\\_opening\\_plenary.pdf#page=7](https://www.ieee802.org/3/minutes/jul22/0722_802_3_opening_plenary.pdf#page=7).

#### **Review and approval of agenda**

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

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

**MOTION #1**

Approve the agenda.

M: Steve Carlson

S: Beth Kochuparambil

Procedural (> 50%)

Motion Passed by unanimous consent 11-July 2022, 10:15 EDT

**MOTION #2**

Approve the minutes from the March 2022 and May 2022 meetings.

M: Chad Jones

S: Peter Jones

Procedural (> 50%)

Motion Passed by unanimous consent 11-July 2022, 10:16 EDT

**Call for patents (11-July 2022, 10:18 EDT)**

Please see

[https://www.ieee802.org/3/minutes/jul22/0722\\_802\\_3\\_opening\\_plenary.pdf#page=10](https://www.ieee802.org/3/minutes/jul22/0722_802_3_opening_plenary.pdf#page=10).

Mr. Healey showed the IEEE patent policy slides.

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

Mr. Healey reviewed the IEEE SA copyright slides.

[https://www.ieee802.org/3/minutes/jul22/0722\\_802\\_3\\_opening\\_plenary.pdf#page=15](https://www.ieee802.org/3/minutes/jul22/0722_802_3_opening_plenary.pdf#page=15)

Mr. Healey 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. Healey reviewed the IEEE SA participation slides.

[https://www.ieee802.org/3/minutes/jul22/0722\\_802\\_3\\_opening\\_plenary.pdf#page=18](https://www.ieee802.org/3/minutes/jul22/0722_802_3_opening_plenary.pdf#page=18)

Mr. Healey 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 (11-July 2022, 10:21 EDT)**

Mr. Healey 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

Please see <http://ieee802.org/3/rules/index.html> for complete information.

#### Review of voting membership

Please see [https://www.ieee802.org/3/minutes/jul22/0722\\_voters.pdf](https://www.ieee802.org/3/minutes/jul22/0722_voters.pdf)

#### Review of voters in peril

Please see [https://www.ieee802.org/3/minutes/jul22/0722\\_peril.pdf](https://www.ieee802.org/3/minutes/jul22/0722_peril.pdf)

#### Review of Potential voters

Please see [https://www.ieee802.org/3/minutes/jul22/0722\\_potential.pdf](https://www.ieee802.org/3/minutes/jul22/0722_potential.pdf)

The following participants requested voting rights during the opening plenary:

Ben-Artzi, Liav	Kawatsu, Yasuaki	Sisk, Jason
Brown, Blake	Kikuta, Tomohiro	Tazebay, Mehmet
Choudhury, Golam	Koeppendoerfer, Erwin	Wang, Haojie
Cuesta, Emilio	Larsen, Wayne	Wang, Ruoxu
Estes, David	Little, Terrance	Withey, James
Gao, Xiangrong	Mark, Simon	Zhang, Tingting
Hirase, Hidenari	Moorwood, Andy	Zhong, Qiwen
Huang, Kechao	Ramesh, Sridhar	
Kawahara, Keisuke	Rush, Joshua	

Mr. Law joined the online portion of the meeting, Mr. Healey continues chairing the meeting in person.

George Zimmerman presented the Working Group treasury report. Please see [https://www.ieee802.org/3/minutes/jul22/0722\\_802\\_3\\_opening\\_plenary.pdf#page=27](https://www.ieee802.org/3/minutes/jul22/0722_802_3_opening_plenary.pdf#page=27)

Mr. Healey showed the IEEE 802 EC report. Please see [https://www.ieee802.org/3/minutes/jul22/0722\\_802\\_3\\_opening\\_plenary.pdf#page=30](https://www.ieee802.org/3/minutes/jul22/0722_802_3_opening_plenary.pdf#page=30)

Mr. Healey showed the IEEE 802 EC meeting schedule. Please see [https://www.ieee802.org/3/minutes/jul22/0722\\_802\\_3\\_opening\\_plenary.pdf#page=32](https://www.ieee802.org/3/minutes/jul22/0722_802_3_opening_plenary.pdf#page=32)

Mr. Healey reviewed the IEEE 802 PARs and ICAIDs under consideration this week. Please see:

[https://www.ieee802.org/3/minutes/jul22/0722\\_802\\_3\\_opening\\_plenary.pdf#page=33](https://www.ieee802.org/3/minutes/jul22/0722_802_3_opening_plenary.pdf#page=33)

#### LIAISONS

##### **External Liaison letters (old)**

##### **External Liaison letters (new)**

OIF: Progress on OIF CEI-112G-VSR project [liaison letter](#) and [attachment](#)

OIF: 400ZR IA Maintenance Project Update [liaison letter](#) and [attachment](#)

TIA TR-42: TIA Incoming Liaison to IEEE 802.3: Introduction of Wayne Larsen [liaison letter](#)

### **External Liaison reports**

Wayne Larsen presented the TIA TR42 report to IEEE 802.3

[https://www.ieee802.org/3/minutes/jul22/0722\\_TIA\\_TR42\\_report\\_to\\_802d3.pdf](https://www.ieee802.org/3/minutes/jul22/0722_TIA_TR42_report_to_802d3.pdf)

### **Opening reports:**

IEEE 802.3 Maintenance opening report – Adam Healey

[https://www.ieee802.org/3/minutes/jul22/0722\\_maint\\_open\\_report.pdf](https://www.ieee802.org/3/minutes/jul22/0722_maint_open_report.pdf)

IEEE P802.3ck 100 Gb/s, 200 Gb/s, and 400 Gb/s Electrical Interfaces Task Force – Beth Kochuparambil

[https://www.ieee802.org/3/minutes/jul22/0722\\_3ck\\_open\\_report.pdf](https://www.ieee802.org/3/minutes/jul22/0722_3ck_open_report.pdf)

IEEE P802.3cs – Increased-reach Ethernet optical subscriber access (Super-PON) Task Force – Claudio DeSanti

[https://www.ieee802.org/3/minutes/jul22/0722\\_cs\\_open\\_report.pdf](https://www.ieee802.org/3/minutes/jul22/0722_cs_open_report.pdf)

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

[https://www.ieee802.org/3/minutes/jul22/0722\\_3cw\\_open\\_report.pdf](https://www.ieee802.org/3/minutes/jul22/0722_3cw_open_report.pdf)

IEEE 802.3cx Improved PTP Timestamping Accuracy Task Force – Steve Gorshe

[https://www.ieee802.org/3/minutes/jul22/802d3cx\\_task\\_force\\_report\\_July\\_2022-opening.pdf](https://www.ieee802.org/3/minutes/jul22/802d3cx_task_force_report_July_2022-opening.pdf)

IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet Task Force opening report – Steve Carlson

[https://www.ieee802.org/3/minutes/jul22/0722\\_cy\\_open\\_report.pdf](https://www.ieee802.org/3/minutes/jul22/0722_cy_open_report.pdf)

IEEE P802.3cz Multi-Gigabit Optical Automotive Ethernet Task Force - Bob Grow

[https://www.ieee802.org/3/minutes/jul22/0711\\_P802d3cz\\_01\\_report.pdf](https://www.ieee802.org/3/minutes/jul22/0711_P802d3cz_01_report.pdf)

IEEE P802.3da 10 Mb/s Single Pair Multidrop Segments Enhancement Task Force – Chad Jones

[https://www.ieee802.org/3/minutes/jul22/802d3da\\_task\\_force\\_open\\_report\\_0722.pdf](https://www.ieee802.org/3/minutes/jul22/802d3da_task_force_open_report_0722.pdf)

IEEE P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber Task Force – Robert Lingle

[https://www.ieee802.org/3/minutes/jul22/802d3db\\_task\\_force\\_opening\\_report\\_2022-07-11.pdf](https://www.ieee802.org/3/minutes/jul22/802d3db_task_force_opening_report_2022-07-11.pdf)

IEEE P802.3de Time Synchronization for Pt-to-Pt Single Pair Ethernet Task Force - George Zimmerman

[https://www.ieee802.org/3/minutes/jul22/802d3de\\_report.pdf](https://www.ieee802.org/3/minutes/jul22/802d3de_report.pdf)

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

[https://www.ieee802.org/3/minutes/jul22/0722\\_3df\\_open\\_report.pdf](https://www.ieee802.org/3/minutes/jul22/0722_3df_open_report.pdf)

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

[https://www.ieee802.org/3/minutes/jul22/802d3dg\\_open\\_report\\_July2022.pdf](https://www.ieee802.org/3/minutes/jul22/802d3dg_open_report_July2022.pdf)

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

[https://www.ieee802.org/3/minutes/jul22/802d3dh\\_task\\_force\\_report\\_202207\\_r2.pdf](https://www.ieee802.org/3/minutes/jul22/802d3dh_task_force_report_202207_r2.pdf)

IEEE 802.3 Industry Connections New Ethernet Applications – John D’Ambrosia

[https://www.ieee802.org/3/minutes/jul22/0722\\_NEA\\_open\\_report.pdf](https://www.ieee802.org/3/minutes/jul22/0722_NEA_open_report.pdf)

IEEE 802.3 Power Delivery Coordinating Committee (PDCC) Ad Hoc – Chad Jones

[https://www.ieee802.org/3/minutes/jul22/PDCC\\_adhoc\\_open\\_report\\_0722.pdf](https://www.ieee802.org/3/minutes/jul22/PDCC_adhoc_open_report_0722.pdf)

IEEE 802.3 Greater than 50 Gb/s Bidirectional Optical Access PHYs Call for Interest – Frank Effenberger

<https://www.ieee802.org/3/minutes/jul22/BidirectionalOpeningReport.pdf>

Mr. Carlson noted that sub-group schedules are on the IEEE [802.3 meeting calendar](#). Straw polls were taken on expected Friday attendance.

Mr. Healey noted that the agenda had been exhausted and asked if there was other business for the Working Group, none responded.

**MOTION #3**

Adjourn the meeting

M: John D’Ambrosia

S: Geoff Thompson

Procedural (> 50%)

Motion Passed by unanimous consent 11-July 2022, 11:55 EDT

Mr. Healey then adjourned the meeting.

Adjourned.

**Unapproved Minutes**  
**IEEE 802.3 Ethernet Working Group**  
**Hybrid Plenary Closing Meeting**  
**July 14, 2022**

<https://www.ieee802.org/3/minutes/jul22/index.html>

**THURSDAY, 14 JULY 2022**

Minutes were taken by Marek Hajduczenia and Steve Carlson.

**ADMINISTRATIVE MATTERS**

**Call to order**

Mr. David Law, Chair of the IEEE 802.3 Ethernet Working Group, called the meeting to order at 13:00 EDT.

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 teleconference. 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 P802.3ck 100 Gb/s, 200 Gb/s, and 400 Gb/s Electrical Interfaces: Beth Kochuparambil

IEEE P802.3cs Ethernet access PMDs for central office consolidation (Super-PON): Claudio DeSanti

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

IEEE P802.3cx Improved PTP Timestamping Accuracy: Steve Gorshe

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

IEEE P802.3cz Multi Gigabit Automotive Optical PHYs: Bob Grow

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

IEEE P802.3db 100 Gb/s per Wavelength Short Reach PHYs: Robert Lingle Jr.

IEEE P802.3de Time Synchronization for Point-to-Point Single Pair Ethernet: George Zimmerman

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 802.3 Task Force vice-chairs

IEEE P802.3ck 100 Gb/s, 200 Gb/s, and 400 Gb/s Electrical Interfaces: Kent Lusted

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 P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber: Mabud Choudhury

IEEE P802.3df 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/jul22/0722\\_802\\_3\\_closing\\_plenary.pdf#page=3](https://www.ieee802.org/3/minutes/jul22/0722_802_3_closing_plenary.pdf#page=3).

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 outlined the rules of running discussion queue at the hybrid meeting – Mr. Healey will be running the queue onsite and online.

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 on ED Tones. There was no response.

Mr. Law introduced the procedure for including your affiliation in your screen name. Please see:

[https://www.ieee802.org/3/minutes/jul22/0722\\_802\\_3\\_closing\\_plenary.pdf#page=6](https://www.ieee802.org/3/minutes/jul22/0722_802_3_closing_plenary.pdf#page=6).

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

[https://www.ieee802.org/3/minutes/jul22/0722\\_802\\_3\\_closing\\_plenary.pdf#page=7](https://www.ieee802.org/3/minutes/jul22/0722_802_3_closing_plenary.pdf#page=7).

### **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: Steve Carlson

S: Kent Lusted

Procedural (> 50%)

Motion Passed by unanimous consent 14-July 2022, 13:10 EDT

## Call for patents

[https://www.ieee802.org/3/minutes/jul22/0722\\_802\\_3\\_closing\\_plenary.pdf#page=10](https://www.ieee802.org/3/minutes/jul22/0722_802_3_closing_plenary.pdf#page=10).

Mr. Law asked if anyone that is participating has not seen the patent slides this week, none responded.

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

Mr. Law asked that Mr. Hajduczenia 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/jul22/0722\\_802\\_3\\_closing\\_plenary.pdf#page=15](https://www.ieee802.org/3/minutes/jul22/0722_802_3_closing_plenary.pdf#page=15)

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- 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/jul22/0722\\_802\\_3\\_closing\\_plenary.pdf#page=18](https://www.ieee802.org/3/minutes/jul22/0722_802_3_closing_plenary.pdf#page=18)

Mr. Law asked if anyone that is participating has not seen the participation slides this week, none responded.

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

Please see <http://ieee802.org/3/rules/index.html> for complete information.

#### Review of voting membership

Please see [https://www.ieee802.org/3/minutes/jul22/0722\\_voters.pdf](https://www.ieee802.org/3/minutes/jul22/0722_voters.pdf)

#### Review of voters in peril

Please see [https://www.ieee802.org/3/minutes/jul22/0722\\_peril.pdf](https://www.ieee802.org/3/minutes/jul22/0722_peril.pdf)

#### Review of Potential voters

Please see [https://www.ieee802.org/3/minutes/jul22/0722\\_potential.pdf](https://www.ieee802.org/3/minutes/jul22/0722_potential.pdf)

No participants requested voting rights during the closing plenary:

### **EC report – Cross 802 topic and IEEE 802 meetings**

[https://www.ieee802.org/3/minutes/jul22/0722\\_802\\_3\\_closing\\_plenary.pdf#page=25](https://www.ieee802.org/3/minutes/jul22/0722_802_3_closing_plenary.pdf#page=25)

Summary of the IEEE 802 Technical Plenary was presented by Mr. Zimmerman.

### **PARs and Ad Hoc report presented by Robert Grow**

#### **LIAISONS**

##### **External Liaison letters (old)**

OIF: 800ZR/800LR IA project update [liaison letter](#)

##### **External Liaison letters (new)**

OIF: Progress on OIF CEI-112G-VSR project [liaison letter](#) and [attachment](#)

OIF: 400ZR IA Maintenance Project Update [liaison letter](#) and [attachment](#)

Future Meetings Report – Steve Carlson

[https://www.ieee802.org/3/minutes/jul22/0722\\_meetings.pdf](https://www.ieee802.org/3/minutes/jul22/0722_meetings.pdf)

#### **Closing reports and actions:**

IEEE 802.3 Maintenance – Adam Healey

[https://www.ieee802.org/3/minutes/jul22/0722\\_maint\\_close\\_report.pdf](https://www.ieee802.org/3/minutes/jul22/0722_maint_close_report.pdf)

IEEE P802.3ck 100 Gb/s, 200 Gb/s, and 400 Gb/s Electrical Interfaces Task Force – Beth Kochuparambil

[https://www.ieee802.org/3/minutes/jul22/0722\\_3ck\\_close\\_report.pdf](https://www.ieee802.org/3/minutes/jul22/0722_3ck_close_report.pdf)

## **MOTION #2**

Move that the IEEE 802.3 Working Group re-affirm the CSD responses in <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0077-00-ACSD-802-3ck.pdf> and request approval to submit the IEEE P802.3ck draft to RevCom.

M: Beth Kochuparambil

S: Matt Brown

Technical ( $\geq 75\%$ )

Y: 113 N: 1 A: 15

Motion Passed 14-July 2022, 13:59 EDT

## **MOTION #3**

Move that the IEEE 802.3 Working Group approve:

- IEEE\_802d3\_to\_OIF\_CEI\_0722\_draft2\_Redacted.pdf
- IEEE\_802d3\_to\_FibreChan\_0722\_draft2\_Redacted.pdf
- IEEE\_802d3\_to\_COBO\_0722\_draft2\_Redacted.pdf

with editorial license granted to the Chair (or his appointed agent) as liaison communications from the IEEE 802.3 Working Group to OIF, Fibre Channel, and COBO.

M: Beth Kochuparambil

S: Mike Dudek

Technical ( $\geq 75\%$ )

Motion Passed by unanimous consent 14-July 2022, 14:03 EDT

IEEE P802.3cs – Increased-reach Ethernet optical subscriber access (Super-PON) Task Force – Claudio DeSanti

[https://www.ieee802.org/3/minutes/jul22/0722\\_cs\\_close\\_report.pdf](https://www.ieee802.org/3/minutes/jul22/0722_cs_close_report.pdf)

**MOTION #4**

Move that the IEEE 802.3 Working Group re-affirm the CSD responses in <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0246-00-ACSD-p802-3cs.pdf> and request unconditional approval to submit the IEEE P802.3cs draft to RevCom.

M: Claudio DeSanti on behalf of the Task Force

Technical ( $\geq 75\%$ )

Y: 110 N: 0 A: 6

Motion Passed 14-July 2022, 14:07 EDT

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

[https://www.ieee802.org/3/minutes/jul22/0722\\_3cw\\_close\\_report.pdf](https://www.ieee802.org/3/minutes/jul22/0722_3cw_close_report.pdf)

**MOTION #5**

Move that the IEEE 802.3 Working Group progress the IEEE P802.3cw draft to Working Group ballot.

M: John D'Ambrosia

S: Tom Issenhuth

Technical ( $\geq 75\%$ )

Motion Passed by unanimous consent 14-July 2022, 14:10 EDT

**MOTION #6**

Move that the IEEE P802.3 Working Group approve:

[IEEE\\_802d3\\_to\\_OIF\\_3df\\_2207\\_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 OIF.

M: John D'Ambrosia

S: Tom Issenhuth

Technical ( $\geq 75\%$ )

Motion Passed by unanimous consent 14-July 2022, 14:14 EDT

IEEE 802.3cx Improved PTP Timestamping Accuracy Task Force – Steve Gorshe

[https://www.ieee802.org/3/minutes/jul22/802d3cx\\_task\\_force\\_report\\_July\\_2022-closing.pdf](https://www.ieee802.org/3/minutes/jul22/802d3cx_task_force_report_July_2022-closing.pdf)

**MOTION #7**

Move that the IEEE 802.3 Working Group re-affirm the CSD responses in <https://mentor.ieee.org/802-ec/dcn/19/ec-19-0220-01-ACSD-p802-3cx.pdf> and request approval to progress the IEEE P802.3cx draft to IEEE Standards Association ballot

M: Steve Gorshe

S: Marek Hajduczenia

Technical ( $\geq 75\%$ )

Y: 102 N: 0 A: 9

Motion Passed 14-July 2022, 14:21 EDT

**MOTION #8**

Move that the IEEE 802.3 Working Group approve IEEE\_802d3cx\_to\_ITU-T\_SG15\_Q13\_0711\_draft\_Redacted.pdf with editorial license granted to the Chair (or his appointed agent) as liaison communication from the IEEE 802.3 Working Group to ITU-T SG15 Q13 with draft D3.0 attached

M: Steve Gorshe

S: Marek Hajduczenia

Technical ( $\geq 75\%$ )

Y: 109 N: 0 A: 4

Motion Passed 14-July 2022, 14:25 EDT

IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet Task Force – Steve Carlson

[https://www.ieee802.org/3/minutes/jul22/0722\\_cy\\_close\\_report.pdf](https://www.ieee802.org/3/minutes/jul22/0722_cy_close_report.pdf)

**MOTION #9**

Move that the IEEE 802.3 Working Group approve the updated objectives as shown on slides 2 and 3 of

[https://ieee802.org/3/cy/public/may22/wienckowski\\_3cy\\_02\\_05\\_24\\_22.pdf](https://ieee802.org/3/cy/public/may22/wienckowski_3cy_02_05_24_22.pdf).

M: Steve Carlson on behalf of the task force

Technical ( $\geq 75\%$ )

Y: 99 N: 3 A: 14

Motion Passed 14-July 2022, 14:33 EDT

**MOTION #10**

Move that the IEEE 802.3 Working Group advance the P802.3cy draft to working group ballot

M: Steve Carlson on behalf of the task force

Technical ( $\geq 75\%$ )

Motion Passed by unanimous consent 14-July 2022, 14:35 EDT

IEEE P802.3cz Multi-Gigabit Optical Automotive Ethernet Task Force - Bob Grow

[https://www.ieee802.org/3/minutes/jul22/0714\\_P802d3cz\\_01a\\_close\\_report.pdf](https://www.ieee802.org/3/minutes/jul22/0714_P802d3cz_01a_close_report.pdf)

**MOTION #11**

Move that the IEEE 802.3 Working Group re-affirm the CSD responses in <https://mentor.ieee.org/802-ec/dcn/22/ec-22-0084-00-ACSD-p802-3cz.pdf> and request conditional approval to progress the IEEE P802.3cz draft to IEEE Standards Association ballot once the Working Group ballot process has been successfully completed.

M: R. Grow on behalf of the task force

Technical ( $\geq 75\%$ )

Y: 95 N: 3 A: 11

Motion Passed 14-July 2022, 14:42 EDT

IEEE P802.3da 10 Mb/s Single Pair Multidrop Segments Enhancement Task Force – Chad Jones

[https://www.ieee802.org/3/minutes/jul22/802d3da\\_task\\_force\\_close\\_report\\_0722.pdf](https://www.ieee802.org/3/minutes/jul22/802d3da_task_force_close_report_0722.pdf)

The group took a short break at 14:47 and resumed at 15:05.

IEEE P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber Task Force – Robert Lingle  
[https://www.ieee802.org/3/minutes/jul22/802d3db\\_task\\_force\\_closing\\_report\\_2022-07-14.pdf](https://www.ieee802.org/3/minutes/jul22/802d3db_task_force_closing_report_2022-07-14.pdf)

**MOTION #12**

Move that the IEEE P802.3 Working Group approve IEEE\_802d3\_to\_T11-2\_062822\_draft1\_Redacted.pdf with editorial license granted to the Chair (or his appointed agent) as liaison communication from the IEEE 802.3 Working Group to INCITS T11.2

M: Earl Parsons

S: Mabud Choudhury

Technical ( $\geq 75\%$ )

Motion Passed by unanimous consent 14-July 2022, 15:14 EDT

**MOTION #13**

Move that the IEEE 802.3 Working Group re-affirm the CSD responses in <https://mentor.ieee.org/802-ec/dcn/20/ec-20-0097-01-ACSD-p802-3db.pdf> and request conditional approval to progress the IEEE P802.3db draft to RevCom once the IEEE Standards Association ballot process has been successfully completed.

M: Mabud Choudhury on behalf of the Task Force

Technical ( $\geq 75\%$ )

Y: 80 N: 0 A: 5

Motion Passed 14-July 2022, 15:16 EDT

IEEE P802.3de Time Synchronization for Pt-to-Pt Single Pair Ethernet Task Force - George Zimmerman

[https://www.ieee802.org/3/minutes/jul22/802d3de\\_report\\_updated.pdf](https://www.ieee802.org/3/minutes/jul22/802d3de_report_updated.pdf)



**MOTION #14**

Move that the IEEE 802.3 Working Group re-affirm the CSD responses in <https://mentor.ieee.org/802-ec/dcn/21/ec-21-0197-00-ACSD-p802-3de.pdf> and request approval to submit the IEEE P802.3de draft to RevCom.

M: George Zimmerman

S: Peter Jones

Technical ( $\geq 75\%$ )

Y: 94 N: 0 A: 4

Motion Passed 14-July 2022, 15:20 EDT

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

[https://www.ieee802.org/3/minutes/jul22/0722\\_3df\\_close\\_report.pdf](https://www.ieee802.org/3/minutes/jul22/0722_3df_close_report.pdf)

**MOTION #15**

Move that the IEEE P802.3 Working Group approve:

IEEE\_802d3\_to\_OIF\_3df\_0714\_draft.pdf

with editorial license granted to the Chair (or his appointed agent) as a liaison communication from the IEEE 802.3 Working Group to OIF.

M: John D'Ambrosia

S: Mark Nowell

Technical ( $\geq 75\%$ )

Motion Passed by unanimous consent 14-July 2022, 15:33 EDT

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

[https://www.ieee802.org/3/minutes/jul22/802d3dg\\_close\\_report\\_July2022.pdf](https://www.ieee802.org/3/minutes/jul22/802d3dg_close_report_July2022.pdf)

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

[https://www.ieee802.org/3/minutes/jul22/802d3dh\\_task\\_force\\_closing\\_report\\_202207.pdf](https://www.ieee802.org/3/minutes/jul22/802d3dh_task_force_closing_report_202207.pdf)

[https://www.ieee802.org/3/minutes/jul22/0722\\_NEA\\_close\\_report.pdf](https://www.ieee802.org/3/minutes/jul22/0722_NEA_close_report.pdf)

**MOTION #16**

IEEE 802.3 Working Group endorse the draft IEEE 802 Endorsement letter and Industry Connections New Ethernet Applications ICAID modification, which are both contained within <https://mentor.ieee.org/802-ec/dcn/22/ec-22-0122-01-00EC-802-endorsement-letter-and-icaid-new-ethernet-applications.pdf>. Submit to the IEEE 802 EC for endorsement.

M: Jon Lewis

S: John D’Ambrosia

Technical ( $\geq 75\%$ )

Y: 90 N: 0 A: 6

Motion Passed 14-July 2022, 15:45 EDT

Steve Carlson assumed the recording secretary duties at this time.

[https://www.ieee802.org/3/minutes/jul22/PDCC\\_adhoc\\_close\\_report\\_0722.pdf](https://www.ieee802.org/3/minutes/jul22/PDCC_adhoc_close_report_0722.pdf)

**MOTION #17**

Move that the IEEE 802.3 Working Group approve [https://www.ieee802.org/3/ad\\_hoc/PDCC/public/11801\\_cable\\_reuse\\_071322.pdf](https://www.ieee802.org/3/ad_hoc/PDCC/public/11801_cable_reuse_071322.pdf) with editorial license granted to the Chair (or his appointed agent) as contribution from the IEEE 802.3 Working Group to ISO/IEC SC25 WG3 for their September 2022 Plenary.

M: Chad Jones

S: Jon Lewis

Technical ( $\geq 75\%$ )

Y: 90 N: 2 A: 9

Motion Passed 14-July 2022, 16:03 EDT

**MOTION #18**

Move that the IEEE 802.3 Working Group approve the delegation of George Zimmerman, Chad Jones, David Law, Geoff Thompson, and Bob Voss as IEEE 802.3 representatives from the IEEE 802.3 Working Group to ISO/IEC JTC1 SC25 WG3.

M: Chad Jones

S: Jon Lewis

Technical ( $\geq 75\%$ )

Y: 83 N: 1 A: 2

Motion Passed 14-July 2022, 16:07 EDT

IEEE 802.3 Greater than 50 Gb/s Bidirectional Optical Access PHYs Call for Interest – Frank Effenberger

<https://www.ieee802.org/3/minutes/jul22/BidirectionalOpeningReport.pdf>

**MOTION #19**

Move that the IEEE 802.3 Working Group request the formation of a Study Group to develop a Project Authorization Request (PAR) and Criteria for Standards Development (CSD) responses for Greater than 50 Gb/s Bidirectional Optical Access PHYs

M: Frank Effenberger

S: Vincent Ferretti

Procedural ( $>50\%$ )

Y: 81 N: 0 A: 13

Motion Passed 14-July 2022, 16:12 EDT

Other business: None

**MOTION #20**

Motion to adjourn

M: John D'Ambrosia

S: Geoff Thompson

Procedural ( $> 50\%$ )

Motion Passed by unanimous consent 14-July 2022, 16:15 EDT

Adjourned.

The list of participants for this meeting (including employers and affiliations) can be found at:  
[https://www.ieee802.org/3/minutes/jul22/0722\\_attendance\\_teleconference.pdf](https://www.ieee802.org/3/minutes/jul22/0722_attendance_teleconference.pdf)

The next meeting of the IEEE 802.3 Working Group will be announced on the IEEE 802.3 reflector.