

**Approved Minutes**  
**IEEE 802.3 Ethernet Working Group**  
**Virtual plenary Meeting**  
**March 7, 2022**

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

**MONDAY, 7 MARCH 2022**

Minutes were taken by IEEE 802.3 Recording Secretary Jon Lewis.

**ADMINISTRATIVE MATTERS**

**Call to order**

Mr. David Law, Chair of the IEEE 802.3 Ethernet Working Group, called the meeting to order at 14:00 UTC. Mr. Law noted that this was an inconvenient time for some and thanked the group for attending. Mr. Law also wished everyone is staying safe and is well.

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 P802.3 (IEEE 802.3dc) Ethernet revision (Maintenance #16): Adam Healey

IEEE P802.3dd Power over Data Lines of Single Pair Ethernet (Maintenance #17): George Zimmerman

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 802.3 Task Force vice-chairs

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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

IEEE 802.3 Study Group chairs

IEEE 802.3 Greater than 10 Mb/s Long-Reach Single Pair Ethernet: George Zimmerman

IEEE 802.3 Study Group vice-chair

IEEE 802.3 Greater than 10 Mb/s Long-Reach Single Pair Ethernet: Steve Carlson

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

[https://www.ieee802.org/3/minutes/mar22/0322\\_802\\_3\\_opening\\_plenary.pdf#page=4](https://www.ieee802.org/3/minutes/mar22/0322_802_3_opening_plenary.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 outcomes. There was no response.

Mr. Law informed the group that the March 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/mar22/0322\\_802\\_3\\_opening\\_plenary.pdf#page=5](https://www.ieee802.org/3/minutes/mar22/0322_802_3_opening_plenary.pdf#page=5).

Remembrance of Tat Lam and David Boggs was shared, and a minute of silence was held in their honor

[https://www.ieee802.org/3/minutes/mar22/0322\\_802\\_3\\_opening\\_plenary.pdf#page=7](https://www.ieee802.org/3/minutes/mar22/0322_802_3_opening_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: B. Grow

S: B. Voss

Procedural (> 50%)

Motion Passed by unanimous consent 7-March 2022, 14:21 UTC

### **MOTION #2**

Approve the minutes from the November 2021 and January 2022 meetings.

M: C. Jones

S: S. Carlson

Procedural (> 50%)

Motion Passed by unanimous consent 7-March 2022, 14:23 UTC

## Call for patents

Please see

[https://www.ieee802.org/3/minutes/mar22/0322\\_802\\_3\\_opening\\_plenary.pdf#page=19](https://www.ieee802.org/3/minutes/mar22/0322_802_3_opening_plenary.pdf#page=19).

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/mar22/0322\\_802\\_3\\_opening\\_plenary.pdf#page=24](https://www.ieee802.org/3/minutes/mar22/0322_802_3_opening_plenary.pdf#page=24)

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/mar22/0322\\_802\\_3\\_opening\\_plenary.pdf#page=27](https://www.ieee802.org/3/minutes/mar22/0322_802_3_opening_plenary.pdf#page=27)

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/mar22/0322\\_voters.pdf](https://www.ieee802.org/3/minutes/mar22/0322_voters.pdf)

Review of voters in peril

Please see [https://www.ieee802.org/3/minutes/mar22/0322\\_peril.pdf](https://www.ieee802.org/3/minutes/mar22/0322_peril.pdf)

Review of Potential voters

Please see [https://www.ieee802.org/3/minutes/mar22/0322\\_potential.pdf](https://www.ieee802.org/3/minutes/mar22/0322_potential.pdf)

The following participants requested voting rights during the opening plenary:

Castro, Jose	Harshbarger, Douglas	Quan, Yu
Dittmann, Markus	Kurashima, Kazuyoshi	Schreiner, Stephan
Donthu, Suresh	Niihara, Yoshihiro	Simms, William
Fischer, Peter	Pitwon, Richard	

Mr. Law expressed his thanks to the Working Group for continuing to move work forward.

Valerie Maguire shared the Working Group treasury report. Please see

[https://www.ieee802.org/3/minutes/mar22/0322\\_802\\_3\\_opening\\_plenary.pdf#page=36](https://www.ieee802.org/3/minutes/mar22/0322_802_3_opening_plenary.pdf#page=36)

Mr. Law showed the IEEE 802 EC report. Please see

[https://www.ieee802.org/3/minutes/mar22/0322\\_802\\_3\\_opening\\_plenary.pdf#page=40](https://www.ieee802.org/3/minutes/mar22/0322_802_3_opening_plenary.pdf#page=40)

Mr. Law showed the IEEE 802 EC meeting schedule. Please see

[https://www.ieee802.org/3/minutes/mar22/0322\\_802\\_3\\_opening\\_plenary.pdf#page=42](https://www.ieee802.org/3/minutes/mar22/0322_802_3_opening_plenary.pdf#page=42)

Mr. Law showed the IEEE 802 July Plenary session survey. Please see

[https://www.ieee802.org/3/minutes/mar22/0322\\_802\\_3\\_opening\\_plenary.pdf#page=43](https://www.ieee802.org/3/minutes/mar22/0322_802_3_opening_plenary.pdf#page=43)

Mr. Law showed the IEEE 802 Analytics slide. Please see

[https://www.ieee802.org/3/minutes/mar22/0322\\_802\\_3\\_opening\\_plenary.pdf#page=44](https://www.ieee802.org/3/minutes/mar22/0322_802_3_opening_plenary.pdf#page=44)

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

[https://www.ieee802.org/3/minutes/mar22/0322\\_802\\_3\\_opening\\_plenary.pdf#page=45](https://www.ieee802.org/3/minutes/mar22/0322_802_3_opening_plenary.pdf#page=45)

## LIAISONS

### External Liaison letters (old)

ITU-T SG15: Status of IEEE P802.3cx Task Force [liaison letter](#) and [attachment](#)

OIF: Progress of CEI-112G-VSR, CEI-112G-MR and CEI-112G-LR projects [liaison letter](#) and [attachment](#)

### External Liaison letters (new)

IEEE 1588: Reply on the status of the IEEE P802.3cx Task Force [liaison letter](#)

OIF: Reply on the status of the 800G Coherent Project [liaison letter](#)

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

### External Liaison reports

Valerie Maguire presented the TIA TR42 report to IEEE 802.3  
[https://www.ieee802.org/3/minutes/mar22/0322\\_TIA\\_TR42\\_report\\_to\\_802d3.pdf](https://www.ieee802.org/3/minutes/mar22/0322_TIA_TR42_report_to_802d3.pdf)

### Opening reports:

IEEE 802.3 Maintenance opening report – Adam Healey

[https://www.ieee802.org/3/minutes/mar22/0322\\_maint\\_open\\_report.pdf](https://www.ieee802.org/3/minutes/mar22/0322_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/mar22/0322\\_3ck\\_open\\_report.pdf](https://www.ieee802.org/3/minutes/mar22/0322_3ck_open_report.pdf)

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

[https://www.ieee802.org/3/minutes/mar22/0322\\_cy\\_report.pdf](https://www.ieee802.org/3/minutes/mar22/0322_cy_report.pdf)

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

[https://www.ieee802.org/3/minutes/mar22/0307\\_P802d3cz\\_01\\_report.pdf](https://www.ieee802.org/3/minutes/mar22/0307_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/mar22/802d3da\\_update\\_task\\_force\\_report\\_0322.pdf](https://www.ieee802.org/3/minutes/mar22/802d3da_update_task_force_report_0322.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/mar22/0322\\_3df\\_open\\_report.pdf](https://www.ieee802.org/3/minutes/mar22/0322_3df_open_report.pdf)

IEEE 802.3 Greater than 10 Mb/s long-reach point-to-point single pair Ethernet PHY – George Zimmerman

[https://www.ieee802.org/3/minutes/mar22/802d3\\_open\\_GT10MSPE\\_study\\_group\\_report\\_Mar2022.pdf](https://www.ieee802.org/3/minutes/mar22/802d3_open_GT10MSPE_study_group_report_Mar2022.pdf)

IEEE 802.3 Industry Connections New Ethernet Applications – Jon Lewis

[https://www.ieee802.org/3/minutes/mar22/0322\\_NEA\\_report.pdf](https://www.ieee802.org/3/minutes/mar22/0322_NEA_report.pdf)

Mr. Carlson noted that sub-group schedules are on the IEEE [802.3 meeting calendar](#).

Mr. Chad Jones noted that the PDCC ad hoc would meet during the plenary meeting. Details on the [802.3 meeting calendar](#).

Mr. Law 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: G. Thompson

S: C. Jones

Procedural (> 50%)

Motion Passed by unanimous consent 7-March 2022, 15:58 UTC

Mr. Law then adjourned the meeting.

Adjourned.

**Unapproved Minutes**  
**IEEE 802.3 Ethernet Working Group**  
**Virtual plenary Meeting (mid-session)**  
**March 10, 2022**

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

**THURSDAY, 10 MARCH 2022**

Minutes were taken by IEEE 802.3 Recording Secretary Jon Lewis.

**ADMINISTRATIVE MATTERS**

**Call to order**

Mr. David Law, Chair of the IEEE 802.3 Ethernet Working Group, called the meeting to order at 14:00 UTC. Mr. Law noted that this was an inconvenient time for some and thanked the group for attending. Mr. Law also wished everyone is staying safe and is well.

Welcome, introductions, and general announcements

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IEEE 802.3 Secretary: Jon Lewis

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IEEE 802.3 Treasurer: Valerie Maguire

IEEE 802.3 Task Force chairs

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#### 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

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

#### IEEE 802.3 Study Group chairs

IEEE 802.3 Greater than 10 Mb/s Long-Reach Single Pair Ethernet: George Zimmerman

#### IEEE 802.3 Study Group vice-chair

IEEE 802.3 Greater than 10 Mb/s Long-Reach Single Pair Ethernet: Steve Carlson

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

Please see:

[https://www.ieee802.org/3/minutes/mar22/0322\\_802\\_3\\_mid\\_session\\_plenary.pdf#page=3](https://www.ieee802.org/3/minutes/mar22/0322_802_3_mid_session_plenary.pdf#page=3).

#### **Working Group Decorum**

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

[https://www.ieee802.org/3/minutes/mar22/0322\\_802\\_3\\_mid\\_session\\_plenary.pdf#page=4](https://www.ieee802.org/3/minutes/mar22/0322_802_3_mid_session_plenary.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 outcomes. There was no response.

Mr. Law informed the group that the March 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/mar22/0322\\_802\\_3\\_mid\\_session\\_plenary.pdf#page=5](https://www.ieee802.org/3/minutes/mar22/0322_802_3_mid_session_plenary.pdf#page=5).

#### **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: B. Voss

S: G. Zimmerman

Procedural (> 50%)

Motion Passed by unanimous consent 10-March 2022, 14:08 UTC

### **Call for patents**

Please see

[https://www.ieee802.org/3/minutes/mar22/0322\\_802\\_3\\_mid\\_session\\_plenary.pdf#page=8](https://www.ieee802.org/3/minutes/mar22/0322_802_3_mid_session_plenary.pdf#page=8).

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. 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/mar22/0322\\_802\\_3\\_mid\\_session\\_plenary.pdf#page=13](https://www.ieee802.org/3/minutes/mar22/0322_802_3_mid_session_plenary.pdf#page=13)

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

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/mar22/0322\\_802\\_3\\_mid\\_session\\_plenary.pdf#page=16](https://www.ieee802.org/3/minutes/mar22/0322_802_3_mid_session_plenary.pdf#page=16)

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

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- 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.

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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.

Mr. Law reminded the group to take the "July 2022 IEEE 802 plenary meeting survey".

### **LIAISONS**

ISO/IEC SC25/WG3 Liaison Report – James Withey

[https://www.ieee802.org/3/minutes/mar22/SC25WG3\\_Liaison\\_to\\_IEEE802d3\\_Mar2022\\_Withey\\_v2%20\(002\).pdf](https://www.ieee802.org/3/minutes/mar22/SC25WG3_Liaison_to_IEEE802d3_Mar2022_Withey_v2%20(002).pdf)

**Mid-Session reports:**

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

[https://www.ieee802.org/3/minutes/mar22/0322\\_cs\\_open\\_report.pdf](https://www.ieee802.org/3/minutes/mar22/0322_cs_open_report.pdf)

**MOTION #2**

Move that the IEEE 802.3 Working Group approve the IEEE P802.3cz Objectives modifications, as per

<[https://www.ieee802.org/3/cz/public/15\\_feb\\_2022/grow\\_3cz\\_01g\\_PARsplit-g/grow\\_03g\\_P802d3cz-mod-Objectives\\_200222.pdf](https://www.ieee802.org/3/cz/public/15_feb_2022/grow_3cz_01g_PARsplit-g/grow_03g_P802d3cz-mod-Objectives_200222.pdf)>.

M: R. Grow

S: S. Swanson

Technical ( $\geq 75\%$ )

Motion Passed by unanimous consent 10-March 2022, 14:39 UTC

**MOTION #3**

Move that the IEEE 802.3 Working Group approve the IEEE P802.3dh Objectives, as per

<[https://www.ieee802.org/3/cz/public/mar\\_2022/grow\\_06h\\_P802d3dh-Objectives\\_20200309.pdf](https://www.ieee802.org/3/cz/public/mar_2022/grow_06h_P802d3dh-Objectives_20200309.pdf)>.

M: R. Grow

S: Y. Watanabe

Technical ( $\geq 75\%$ )

Y: 84 N: 5 A: 28

Motion Passed 10-March 2022, 14:51 UTC

**MOTION #4**

Move that the IEEE 802.3 Working Group approve the modified IEEE P802.3cz CSD “Managed Objects”, “Coexistence”, “Broad Market Potential”, “Compatibility”, “Distinct Identity”, “Technical Feasibility”, and “Economic Feasibility” responses, as per <<https://mentor.ieee.org/802-ec/dcn/22/ec-22-0038-00-00EC-draft-ieee-p802-3cz-csd-modification.pdf>>

M: R. Grow

S: S. Swanson

Technical ( $\geq 75\%$ )

Y: 105 N: 1 A: 12

Motion Passed 10-March 2022, 15:02 UTC

**MOTION #5**

Move that the IEEE 802.3 Working Group approve the IEEE P802.3dh CSD “Managed Objects”, “Coexistence”, “Broad Market Potential”, “Compatibility”, “Distinct Identity”, “Technical Feasibility”, and “Economic Feasibility” responses, as per <<https://mentor.ieee.org/802-ec/dcn/22/ec-22-0036-00-00EC-draft-ieee-p802-3dh-csd.pdf>>

M: R. Grow

S: Y. Watanabe

Technical ( $\geq 75\%$ )

Y: 94 N: 5 A: 16

Motion Passed 10-March 2022, 15:11 UTC

**MOTION #6**

Move that the IEEE 802.3 Working Group approve the IEEE P802.3cz PAR, <https://mentor.ieee.org/802-ec/dcn/22/ec-22-0039-00-00EC-draft-ieee-p802-3cz-par-modification.pdf> as modified by slide 19 of 0310\_P802d3cz\_01b\_PAR-split.pdf.

M: R. Grow

S: S. Swanson

Technical ( $\geq 75\%$ )

Y: 114 N: 2 A: 6

Motion Passed 10-March 2022, 15:23 UTC

## **MOTION #7**

Move that the IEEE 802.3 Working Group approve the IEEE P802.3dh PAR, <https://mentor.ieee.org/802-ec/dcn/22/ec-22-0037-00-00EC-draft-ieee-p802-3dh-par.pdf> as modified by slide 19 of 0310\_P802d3cz\_01b\_PAR-split.pdf, and changing the two instances of “IEC 60793-2-40” to “IEC 60793-2-40:2021”.

M: R. Grow

S: Y. Watanabe

Technical (>= 75%)

Y: 88 N: 4 A: 21

Motion Passed 10-March 2022, 15:44 UTC

The group took a short break at 15:45 and resumed at 15:51.

Mr. Law announced that if the IEEE P802.3dh PAR is approved he would appoint Yuji Watanabe the Task Force chair. Mr. Law also announced that he was appointing Watanabe-san as the IEEE P802.3cz vice-chair.

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

[https://www.ieee802.org/3/minutes/mar22/0322\\_cs\\_open\\_report.pdf](https://www.ieee802.org/3/minutes/mar22/0322_cs_open_report.pdf)

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

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

[https://www.ieee802.org/3/minutes/mar22/802d3cx\\_task\\_force\\_report\\_March\\_2022.pdf](https://www.ieee802.org/3/minutes/mar22/802d3cx_task_force_report_March_2022.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/mar22/802d3db\\_task\\_force\\_report\\_2022-03-09%20\(002\).pdf](https://www.ieee802.org/3/minutes/mar22/802d3db_task_force_report_2022-03-09%20(002).pdf)

IEEE P802.3dd Power over Data Lines of Single Pair Ethernet (Maintenance #17) Task Force - George Zimmerman

[https://www.ieee802.org/3/minutes/mar22/802d3dd\\_close\\_report.pdf](https://www.ieee802.org/3/minutes/mar22/802d3dd_close_report.pdf)

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

[https://www.ieee802.org/3/minutes/mar22/8023de\\_open\\_report\\_Mar2022.pdf](https://www.ieee802.org/3/minutes/mar22/8023de_open_report_Mar2022.pdf)

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

[https://www.ieee802.org/3/minutes/mar22/PDCC\\_adhoc\\_report\\_0322.pdf](https://www.ieee802.org/3/minutes/mar22/PDCC_adhoc_report_0322.pdf)

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

**MOTION #5**

Adjourn the meeting

M: J. D'Ambrosia

S: S. Carlson

Procedural (> 50%)

Motion Passed by unanimous consent 10-March 2022, 15:35 UTC

Mr. Law then adjourned the meeting.

Adjourned.

**Unapproved Minutes**  
**IEEE 802.3 Ethernet Working Group**  
**Virtual closing plenary Meeting**  
**March 17, 2022**

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

**THURSDAY, 17 MARCH 2022**

Minutes were taken by IEEE 802.3 Recording Secretary Jon Lewis.

**ADMINISTRATIVE MATTERS**

**Call to order**

Mr. David Law, Chair of the IEEE 802.3 Ethernet Working Group, called the meeting to order at 14:00 UTC. Mr. Law noted that this was an inconvenient time for some and thanked the group for attending. Mr. Law also wished everyone is staying safe and is well.

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 P802.3 (IEEE 802.3dc) Ethernet revision (Maintenance #16): Adam Healey

IEEE P802.3dd Power over Data Lines of Single Pair Ethernet (Maintenance #17): George Zimmerman

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 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 P802.3cz Multi-Gigabit Optical Automotive Ethernet: Yuji Watanabe

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

### IEEE 802.3 Study Group chairs

IEEE 802.3 Greater than 10 Mb/s Long-Reach Single Pair Ethernet: George Zimmerman

### IEEE 802.3 Study Group vice-chair

IEEE 802.3 Greater than 10 Mb/s Long-Reach Single Pair Ethernet: Steve Carlson

## Working Group Decorum

Mr. Law introduced the Working Group decorum as described in the closing report. Please see [https://www.ieee802.org/3/minutes/mar22/0322\\_802\\_3\\_closing\\_plenary.pdf#page=4](https://www.ieee802.org/3/minutes/mar22/0322_802_3_closing_plenary.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 outcomes. There was no response.

Mr. Law informed the group that the March 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/mar22/0322\\_802\\_3\\_closing\\_plenary.pdf#page=5](https://www.ieee802.org/3/minutes/mar22/0322_802_3_closing_plenary.pdf#page=5).

## 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 congratulated Steve Swanson on his retirement and thanked him for his contributions to the Working Group.

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

### **MOTION #1**

Approve the agenda

M: B. Voss S: C. Jones

Procedural (> 50%)

Motion Passed by unanimous consent 17-March 2022, 14:12 UTC

## Call for patents

Please see [https://www.ieee802.org/3/minutes/mar22/0322\\_802\\_3\\_closing\\_plenary.pdf#page=8](https://www.ieee802.org/3/minutes/mar22/0322_802_3_closing_plenary.pdf#page=8).

Mr. Law showed the IEEE patent policy slides and asked if anyone had not seen these during the plenary series meetings, 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. 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/mar22/0322\\_802\\_3\\_closing\\_plenary.pdf#page=13](https://www.ieee802.org/3/minutes/mar22/0322_802_3_closing_plenary.pdf#page=13)

Mr. Law advised the standards development group 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/mar22/0322\\_802\\_3\\_closing\\_plenary.pdf#page=16](https://www.ieee802.org/3/minutes/mar22/0322_802_3_closing_plenary.pdf#page=16)

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://iee802.org/3/rules/index.html> for complete information.

Mr. Law reminded participants to ignore the percentages displayed in IMAT as they are not correct, and that session attendance credit is calculated manually after the end of the session. Mr. Law reminded participants to always check the attendance credit summary report that is provided in the minutes area for each plenary session.

#### Review of voting membership

Please see [https://www.ieee802.org/3/minutes/mar22/0322\\_voters.pdf](https://www.ieee802.org/3/minutes/mar22/0322_voters.pdf).

#### Review of voters in peril

Please see [https://www.ieee802.org/3/minutes/mar22/0322\\_peril.pdf](https://www.ieee802.org/3/minutes/mar22/0322_peril.pdf)

#### Review of Potential voters

Please see [https://www.ieee802.org/3/minutes/mar22/0322\\_potential.pdf](https://www.ieee802.org/3/minutes/mar22/0322_potential.pdf)

The following participants requested voting rights during the closing plenary:

Bois, Karl	Lennartsson, Kent	Rahn, Jeffrey
Hyakudai, Toshihisa	Li, Pei-Rong	Shubochkin, Roman

Mr. Law then reviewed the IEEE 802 Executive Committee report.

[https://www.ieee802.org/3/minutes/mar22/0322\\_802\\_3\\_closing\\_plenary.pdf#page=23](https://www.ieee802.org/3/minutes/mar22/0322_802_3_closing_plenary.pdf#page=23)

Mr. Law reviewed the IEEE 802.3 elections.

[https://www.ieee802.org/3/minutes/mar22/0322\\_802\\_3\\_closing\\_plenary.pdf#page=24](https://www.ieee802.org/3/minutes/mar22/0322_802_3_closing_plenary.pdf#page=24)

Elections:

Mr. Law handed the meeting over to Mr. Healey and was removed from the virtual meeting.

#### **802.3 Chair Election**

Move that the IEEE 802.3 Working Group confirm David Law as the Chair of 802.3.

Yes: 121 (Paul Nikolich gave a verbal “Yes”)

No: 0

17-March 2022, 14:36 UTC

Mr. Law was confirmed as Chair and resumed chairing the meeting.

### **802.3 vice-Chair Election**

Move that the IEEE 802.3 Working Group confirm Adam Healey as the vice-Chair of 802.3.

Yes: 118 (Paul Nikolich gave a verbal “Yes”)

No: 0

17-March 2022, 14:43 UTC

Mr. Grow gave a short update on the responses from other IEEE 802 Working Groups to the PAR comments submitted on behalf of IEEE 802.3 by the IEEE 802.3 PAR Ad Hoc.

Please see:

[https://www.ieee802.org/3/minutes/mar22/2022\\_03%20PARs%20ad%20hoc%20report.pdf](https://www.ieee802.org/3/minutes/mar22/2022_03%20PARs%20ad%20hoc%20report.pdf)

Glenn Parsons, IEEE 802.1 Chair, provided the following an update on cut-through forwarding.

<https://www.ieee802.org/1/files/public/docs2022/du-PAR-CSD-comments-response-0322-v2.pdf>

Mr. Law noted that the NEA does not recommend PAR creation. The NEA is a forum to allow individuals to discuss consensus in preparation for a CFI.

Liaisons:

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

ITU-T SG15: Status of IEEE P802.3cx Task Force [liaison letter](#) and [attachment](#)

OIF: Progress of CEI-112G-VSR, CEI-112G-MR and CEI-112G-LR projects [liaison letter](#) and [attachment](#)

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

IEEE 1588: Reply on the status of the IEEE P802.3cx Task Force [liaison letter](#)

The P802.3cx Task Force determined that no response was required.

OIF: Reply on the status of the 800G Coherent Project [liaison letter](#)

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

Future Meetings report - Steve Carlson

[https://www.ieee802.org/3/minutes/mar22/0322\\_meetings.pdf](https://www.ieee802.org/3/minutes/mar22/0322_meetings.pdf)

IEEE 802.3 Maintenance Task Force – Adam Healey

[https://www.ieee802.org/3/minutes/mar22/0322\\_maint\\_close\\_report.pdf](https://www.ieee802.org/3/minutes/mar22/0322_maint_close_report.pdf)

**MOTION #2**

Progress the IEEE P802.3 (IEEE 802.3dc) draft to RevCom once the IEEE Standards Association ballot process has been successfully completed

M: A. Healey on behalf of the Task Force

Technical ( $\geq 75\%$ )

Y: 107 N: 0 A: 5

Motion Passed 17-March 2022, 15:40 UTC

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

**MOTION #3**

Approve the liaisons from IEEE 802.3 to COBO, INCITS T11.2, and OIF:

IEEE\_802d3\_to\_OIF\_CEI\_0122\_draft\_Redacted.pdf

IEEE\_802d3\_to\_T11-2\_0122\_draft1\_Redacted.pdf

IEEE\_802d3\_to\_COBO\_0122\_draft1\_Redacted.pdf

with editorial license granted to the chair or his appointed agent.

M: Beth Kochuparambil

S: Kent Lusted

Technical ( $\geq 75\%$ )

Motion Passed by unanimous consent 17-March 2022, 15:45 UTC

**MOTION #4**

Approve the liaison from IEEE 802.3 to ITU-T Q2/SG15,  
IEEE\_802d3\_to\_Q2SG15\_0322\_draft\_Redacted.pdf with editorial license granted to the  
chair or his appointed agent.

M: Claudio DeSanti on behalf of the Task Force

Technical ( $\geq 75\%$ )

Y: 97    N: 0    A: 1

Motion Passed 17-March 2022, 15:55 UTC

IEEE P802.3cx Improved PTP Timestamping Accuracy Task Force Closing Report = Steve  
Gorshe

Please see:

[https://www.ieee802.org/3/minutes/mar22/802d3cx\\_task\\_force\\_report\\_March\\_2022-closing.pdf](https://www.ieee802.org/3/minutes/mar22/802d3cx_task_force_report_March_2022-closing.pdf)

**MOTION #5**

Conditionally approve sending IEEE P802.3cx Improved PTP timestamping accuracy to  
Standards Association ballot

Confirm the CSD for IEEE P802.3cx in <<https://mentor.ieee.org/802-ec/dcn/19/ec-19-0220-01-ACSD-p802-3cx.pdf>>

M: S. Gorshe

S: M. Hajduczenia

Technical ( $\geq 75\%$ )

Y: 109    N: 1    A: 0

Motion Passed 17-March 2022, 16:01 UTC

**MOTION #6**

Move that the IEEE 802.3 Working Group approve:

IEEE\_802d3\_to\_ITU-T\_SG15-Q13\_draft\_P802d3cx\_0322\_Redacted.pdf

with editorial license granted to the Chair (or his appointed agent) as liaison communications from the IEEE 802.3 Working Group to ITU-T SG15/Q13, with draft D2.3 attached

M: S. Gorshe

S: M. Hajduczenia

Technical ( $\geq 75\%$ )

Y: 95 N: 0 A: 3

Motion Passed 17-March 2022, 16:06 UTC

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

[https://www.ieee802.org/3/minutes/mar22/0317\\_P802d3cz\\_01\\_WG-ballot.pdf](https://www.ieee802.org/3/minutes/mar22/0317_P802d3cz_01_WG-ballot.pdf)

**MOTION #7**

Move that the IEEE 802.3 Working Group approve advancement of P802.3cz draft to WG ballot.

M: R. Grow

S: B. Voss

Technical ( $\geq 75\%$ )

Y: 87 N: 3 A: 19

Motion Passed 17-March 2022, 16:14 UTC

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

Please see [https://www.ieee802.org/3/minutes/mar22/802d3db\\_task\\_force\\_closing\\_report\\_2022-03-17.pdf](https://www.ieee802.org/3/minutes/mar22/802d3db_task_force_closing_report_2022-03-17.pdf)

**MOTION #8**

Move that the IEEE 802.3 Working Group approve IEEE\_802d3\_to\_T11-2\_022422\_draft2\_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: Tom Palkert

S: Mike Dudek

Technical ( $\geq 75\%$ )

Motion Passed by unanimous consent 17-March 2022, 16:17 UTC

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

Please see: [https://www.ieee802.org/3/minutes/mar22/8023de\\_close\\_report\\_Mar2022.pdf](https://www.ieee802.org/3/minutes/mar22/8023de_close_report_Mar2022.pdf)

**MOTION #9**

Change the 3rd Objective as shown:

Enable use of the 10BASE-T1S PHY with Clause 99 MAC MERGE in both half-duplex and full-duplex point-to-point modes.

M: George Zimmerman on behalf of the Task Force

Technical ( $\geq 75\%$ )

Motion Passed by unanimous consent 17-March 2022, 16:21 UTC



**MOTION #10**

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 unconditional approval to progress the P802.3de draft to IEEE Standards Association ballot

M: George Zimmerman on behalf of the Task Force

Technical ( $\geq 75\%$ )

Y: 85 N: 0 A: 5

Motion Passed 17-March 2022, 16:33 UTC

IEEE 802.3df 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s Task Force – John D’Ambrosia

Please see [https://www.ieee802.org/3/minutes/mar22/0322\\_3df\\_close\\_report.pdf](https://www.ieee802.org/3/minutes/mar22/0322_3df_close_report.pdf)

**MOTION #11**

Move that the IEEE P802.3 Working Group approve:

IEEE\_802d3\_to\_OIF\_3df\_0315\_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: Mark Gustlin

Technical ( $\geq 75\%$ )

Motion Passed by unanimous consent 17-March 2022, 16:29 UTC

**MOTION #12**

Move that the IEEE 802.3 Working Group approve the addition of the IEEE P802.3df objective –

- Define a physical layer specification that supports 400 Gb/s operation over 4 pairs of SMF with lengths up to at least 2 km

M: John D’Ambrosia

S: Mark Gustlin

Technical ( $\geq 75\%$ )

Motion Passed by unanimous consent 17-March 2022, 16:31 UTC

Greater than 10 Mb/s Long-Reach Single-Pair Ethernet (GT10MSPE) Study Group – George Zimmerman

Please see

[https://www.ieee802.org/3/minutes/mar22/802d3\\_close\\_GT10MSPE\\_study\\_group\\_report\\_Mar2022.pdf](https://www.ieee802.org/3/minutes/mar22/802d3_close_GT10MSPE_study_group_report_Mar2022.pdf)

**MOTION #13**

Move that the IEEE 802.3 Working Group approve the IEEE 802.3dg Physical Layer Specifications and Management Parameters for 100Mb/s Operation and Associated Power Delivery over a Single Balanced Pair of Conductors PAR as in <https://mentor.ieee.org/802-ec/dcn/22/ec-22-0017-03-00EC-draft-ieee-p802-3dg-par.pdf>

M: G. Zimmerman

S: B. Voss

Y: 77 N: 0 A: 6

Technical ( $\geq 75\%$ )

Motion Passed 17-March 2022, 16:39 UTC

**MOTION #14**

Move that the IEEE 802.3 Working Group approve the IEEE 802.3dg Physical Layer Specifications and Management Parameters for 100Mb/s Operation and Associated Power Delivery over a Single Balanced Pair of Conductors CSD responses as in <https://mentor.ieee.org/802-ec/dcn/22/ec-22-0018-00-00EC-draft-ieee-p802-3dg-csd.pdf>

M: G. Zimmerman

S: S. Carlson

Y: 73 N: 1 A: 9

Technical ( $\geq 75\%$ )

Motion Passed 17-March 2022, 17:42 UTC

**MOTION #15**

Move that the IEEE 802.3 Working Group approve the IEEE 802.3dg Physical Layer Specifications and Management Parameters for 100Mb/s Operation and Associated Power Delivery over a Single Balanced Pair of Conductors Objectives as in [https://www.ieee802.org/3/GT10MSPE/Objectives\\_11102021\\_SGadopted.pdf](https://www.ieee802.org/3/GT10MSPE/Objectives_11102021_SGadopted.pdf)

M: G. Zimmerman

S: B. Voss

Technical ( $\geq 75\%$ )

Motion Passed by unanimous consent 17-March 2022, 17:43 UTC

**MOTION #16**

Move that the IEEE 802.3 Working Group requests the second rechartering and six-month extension of the IEEE 802.3 Greater than 10 Mb/s Long-Reach Single Pair Ethernet study group

M: G. Zimmerman

S: C. Jones

Y: 78    N: 0    A: 2

50% by Rule

Motion Passed 17-March 2022, 17:46 UTC

IEEE 802.3 New Ethernet Applications (NEA) Ad Hoc Closing report – Jon Lewis

Please see [https://www.ieee802.org/3/minutes/mar22/0322\\_NEA\\_close\\_report.pdf](https://www.ieee802.org/3/minutes/mar22/0322_NEA_close_report.pdf)

Other business:

Paul Nikolich reminded the group about the IEEE awards nomination and IEEE-SA elections available for the computer society.

Mr. Nikolich also notified the Working Group that an 802 Leadership workshop for EC, WG vice-Chairs will be held for the first time since the pandemic. Further details to be published later. The objective is discussion on strategic issues not normally possible during the EC meetings. George Zimmerman is the co-lead and looking for another volunteer to assist him.

Mr. D'Ambrosia reminded the group that the electronic media would be distributed after the plenary and to look for an email this coming Monday and participants would have until March 31<sup>st</sup> AOE to download the content.

**MOTION #17**

Motion to adjourn

M: J. D'Ambrosia

S: S. Carlson

Procedural (> 50%)

Motion Passed by unanimous consent 17-March 2022, 17:52 UTC

Adjourned.

The list of participants for this meeting (including employers and affiliations) can be found at:  
[https://www.ieee802.org/3/minutes/mar22/0322\\_attendance\\_teleconference.pdf](https://www.ieee802.org/3/minutes/mar22/0322_attendance_teleconference.pdf)

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