

Approved Minutes
IEEE 802.3 Ethernet Working Group
Virtual plenary Meeting
November 8, 2021

<https://www.ieee802.org/3/minutes/nov21/index.html>

MONDAY, 8 NOVEMBER 2021

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

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

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

IEEE 802.3 Study Group chairs

IEEE 802.3 Beyond 400 Gb/s Ethernet Study Group: John D'Ambrosia

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/nov21/1121_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/nov21/1121_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 November 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/nov21/1121_802_3_opening_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: J. D'Ambrosia

Procedural (> 50%)

Motion Passed by unanimous consent 8-November 2021, 14:11 UTC

MOTION #2

Approve the minutes from the July 2021 and September 2021 meetings.

M: B. Grow

S: J. Weaver

Procedural (> 50%)

Motion Passed by unanimous consent 8-November 2021, 14:12 UTC

Call for patents

Please see

https://www.ieee802.org/3/minutes/nov21/1121_802_3_opening_plenary.pdf#page=8.

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 IP 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/nov21/1121_802_3_opening_plenary.pdf#page=13

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/nov21/1121_802_3_opening_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://ieee802.org/3/rules/index.html> for complete information.

Review of voting membership

Please see https://www.ieee802.org/3/minutes/nov21/1121_voters.pdf

Review of voters in peril

Please see https://www.ieee802.org/3/minutes/nov21/1121_peril.pdf

Review of Potential voters

Please see https://www.ieee802.org/3/minutes/nov21/1121_potential.pdf

The following participants requested voting rights during the opening plenary:

Akin, Sami	Lin, Youxi	Sun, Wensheng
Borda, Jamila Josip	Martino, Kjersti	Tsujita, Yuichi
Brandt, David	Mazzini, Marco	Tsuzaki, Nozomi
Brillhart, Theodore	Opsasnick, Eugene	Yasui, Hideshi
Gomez, Chisato	Peng, Semmy	
Hayashi, Takehiro	Son, Yung Sung	

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/nov21/1121_802_3_opening_plenary.pdf#page=24

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

https://www.ieee802.org/3/minutes/nov21/1121_802_3_opening_plenary.pdf#page=27

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

https://www.ieee802.org/3/minutes/nov21/1121_802_3_opening_plenary.pdf#page=28

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

https://www.ieee802.org/3/minutes/nov21/1121_802_3_opening_plenary.pdf#page=29

Mr. D'Ambrosia announced the IEEE P802.3df PAR and deadline for comments.

Mr. Law announced that he would do the annual review of the IEEE 802.3 coordination list on Thursday, 11 November 2021 at the mid-session plenary meeting.

Please see:

https://www.ieee802.org/3/minutes/nov21/1121_802_3_opening_plenary.pdf#page=30

LIAISONS

External Liaison letters (old)

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

OIF: 800G Coherent Project Status [liaison letter](#) and [attachment](#)

ISO/IEC JTC1 SC25/WG 3: Multi-drop cabling [liaison letter](#)

ISO/IEC JTC1 SC25/WG 3: Project IEC 60512-99-003 [liaison letter](#)

ITU-T SG15 Q6 Reply to status of IEEE P802.3ct and IEEE P802.3cw project [liaison letter](#)

ITU-T SG15: Q11 Reply to status of IEEE P802.3ct and IEEE P802.3cw projects [liaison letter](#)

ITU-T SG15: OTN support of Ethernet clients beyond 400 Gb/s [liaison letter](#)

External Liaison letters (new)

TIA TR-42: Test method TIA-455-54 (FOTP 54) [liaison letter](#)

External Liaison reports

Valerie Maguire presented the TIA TR42 report to IEEE 802.3

https://www.ieee802.org/3/minutes/nov21/1121_TIA_TR42_report_to_802d3.pdf

Opening reports:

IEEE 802.3 Rules Report – Adam Healey

https://www.ieee802.org/3/minutes/nov21/1121_rules_open_report.pdf

IEEE 802.3 Maintenance opening report – Adam Healey

https://www.ieee802.org/3/minutes/nov21/1121_maint_open_report.pdf

IEEE 802.3 P802.3cx Improved PTP timestamping accuracy Task Force report

https://www.ieee802.org/3/minutes/nov21/1121_cy_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/nov21/1121_cy_report.pdf

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

https://www.ieee802.org/3/minutes/nov21/1121_P802d3cz_report.pdf

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

https://www.ieee802.org/3/minutes/nov21/802d3db_task_force_report_2021-11-08.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/nov21/802d3_open_GT10MSPE_study_group_report_Nov2021.pdf

Mr. Carlson noted that sub-group schedules are on the IEEE [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: C. Jones

S: B. Voss

Procedural (> 50%)

Motion Passed by unanimous consent 8-November 2021, 15:47 UTC

Mr. Law then adjourned the meeting.

Adjourned.

Unapproved Minutes
IEEE 802.3 Ethernet Working Group
Virtual plenary Meeting (mid-session)
November 11, 2021

<https://www.ieee802.org/3/minutes/nov21/index.html>

THURSDAY, 11 NOVEMBER 2021

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.

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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 P802.3cx Improved PTP Timestamping Accuracy: Steve Gorshe

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

IEEE 802.3 Study Group chairs

IEEE 802.3 Beyond 400 Gb/s Ethernet Study Group: John D'Ambrosia
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/nov21/1121_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/nov21/1121_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 November 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/nov21/1121_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: C. Jones

S: J. D'Ambrosia

Procedural (> 50%)

Motion Passed by unanimous consent 11-November 2021, 14:08 UTC

Call for patents

Please see

https://www.ieee802.org/3/minutes/nov21/1121_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 IP 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/nov21/1121_802_3_mid_session_plenary.pdf#page=13

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/nov21/1121_802_3_mid_session_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://ieee802.org/3/rules/index.html> for complete information.

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

Mr. Law proceeded with the annual review of IEEE 802.3 Working Group draft sharing for coordination list.

Please see:

https://www.ieee802.org/3/minutes/nov21/1121_802_3_mid_session_plenary.pdf#page=23

There were no suggested changes.

LIAISONS

External Liaison letters (old)

ISO/IEC JTC1 SC25/WG 3: Multi-drop cabling [liaison letter](#)

ITU-T SG15: ATN and HNT Standardization Work Plans contribution acknowledgement [liaison letter](#)

ITU-T SG15: ATN Standardization Work Plan latest version [liaison letter](#)

ITU-T SG15: HNT Standardization Work Plan latest version [liaison letter](#)

ITU-T SG15: OTNT Standardization Work Plan Issue 29 [liaison letter](#) and [attachment](#)

External Liaison letters (new)

OIF 400ZR IA Maintenance Project update (8 November 2021) [liaison letter](#) and [attachment](#)

OIF 800G Coherent Project Status (8 November 2021) [liaison letter](#)

TIA TR-42: Test method TIA-455-54 (FOTP 54) [liaison letter](#)

MOTION #2

Move that the IEEE 802.3 Working Group approve:

IEEE_802d3_to_TR-42_re_TIA-455-54_110821_draft.pdf with editorial license granted to the Chair (or his appointed agent) as liaison communications from the IEEE 802.3 Working Group to TIA TR-42.

M: Mabud Choudhury

S: Robert Lingle

Technical ($\geq 75\%$)

Motion Passed by unanimous consent 11-November 2021, 14:35 UTC

IEEE 802 LAN/MAN standards committee Milestone project – Geoff Thompson

<https://mentor.ieee.org/802-ec/dcn/21/ec-21-0275-01-00EC-2021-11-05-802-milestone-status.pdf>

IEEE P802.3cx Improved PTP timestamping accuracy Task Force – Steve Gorshe

MOTION #3

Move that the IEEE 802.3 Working Group approve:

IEEE_802d3_to_IEEE_1588_draft_P802d3cx_1121.pdf

IEEE_802d3_to_ITU-T_SG15_Q13_draft_P802d3cx_1121.pdf

with editorial license granted to the Chair (or his appointed agent) as liaison communications from the IEEE 802.3 Working Group to IEEE 1588 and ITU-T SG15/Q13.

M: S. Gorshe

S: C. Jones

Technical ($\geq 75\%$)

Y: 104 N: 1 A: 3

Motion Passed 11-November 2021, 14:55 UTC

Mid-Session reports:

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/nov21/1121_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/nov21/1121_cs_open_report.pdf

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

https://www.ieee802.org/3/minutes/nov21/1121_3cw_open_report.pdf

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

https://www.ieee802.org/3/minutes/nov21/802d3da_update_task_force_report_1121.pdf

MOTION #4

Move that the IEEE 802.3 Working Group approve:

IEEE_802d3_to_SC25_1121_3N1300_draft.pdf with editorial license granted to the Chair (or his appointed agent) as liaison communications from the IEEE 802.3 Working Group to ISO/IEC JTC1/SC25 WG3.

M: C. Jones

S: G. Zimmerman

Technical ($\geq 75\%$)

Motion Passed by unanimous consent 11-November 2021, 15:17 UTC

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

https://www.ieee802.org/3/minutes/nov21/802d3_open_8023dd_TF_report_Nov2021.pdf

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

https://www.ieee802.org/3/minutes/nov21/802d3_open_8023de_TF_report_Nov2021.pdf

IEEE 802.3 Beyond 400 Gb/s Ethernet Study Group - John D'Ambrosia

https://www.ieee802.org/3/minutes/nov21/1121_b400g_open_report.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: B. Grow

S: J. D'Ambrosia

Procedural (> 50%)

Motion Passed by unanimous consent 11-November 2021, 15:29 UTC

Mr. Law then adjourned the meeting.

Adjourned.

Unapproved Minutes
IEEE 802.3 Ethernet Working Group
Virtual closing plenary Meeting
November 18, 2021

<https://www.ieee802.org/3/minutes/jul21/index.html>

THURSDAY, 18 NOVEMBER 2021

Minutes were taken by IEEE 802.3 Recording Secretary Jon Lewis. Steve Carlson took over for Mr. Lewis at 17h00 UTC

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.

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IEEE 802.3 Secretary: Jon Lewis

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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/nov21/1121_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.

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

MOTION #1

Approve the agenda

M: S. Trowbridge S: C. Jones

Procedural (> 50%)

Motion Passed by unanimous consent 18-November 2021, 14:10 UTC

Call for patents

Please see https://www.ieee802.org/3/minutes/nov21/1121_802_3_closing_plenary.pdf#page=7.

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 IP 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/nov21/1121_802_3_closing_plenary.pdf#page=12

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/nov21/1121_802_3_closing_plenary.pdf#page=15

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.

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Consistent declaration of affiliation

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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.

Mr. Law reported that because of checking, two participants had contacted him about potential errors, and as a result a review of the records from the September 2021 interim session was

conducted. This review detected an issue, this issue has been corrected, and an updated attendance credit summary for November 2019 to September 2021 has been published, see https://iee802.org/3/minutes/nov21/1121_attendance_summary.pdf.

Mr. Law then reported that due to this issue, some individuals appeared on the potential voter list at the opening plenary meeting, that should not have been included, and two of these individuals requested, and were granted voting membership. The potential voter list has been corrected, and Mr. Law will be contacting the two individuals privately to inform them of the error and apologize.

Review of voting membership

Please see https://www.ieee802.org/3/minutes/nov21/1121_voters.pdf.

Review of voters in peril

Please see https://www.ieee802.org/3/minutes/nov21/1121_peril.pdf

Review of Potential voters

Please see https://www.ieee802.org/3/minutes/nov21/1121_potential.pdf

The following participants requested voting rights during the closing plenary:

Akbaba, Enis	Kareti, Upen	Lam, Cedric
Donahue, Curtis	King, Roger	Su, Changzheng
Graba, James	Kobayashi, Shigeru	Zivny, Pavel

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

https://www.ieee802.org/3/minutes/nov21/1121_802_3_closing_plenary.pdf#page=22

Mr. Law reviewed the IEEE 802.3 elections.

https://www.ieee802.org/3/minutes/nov21/1121_802_3_closing_plenary.pdf#page=23

MOTION #2

Move that the IEEE 802.3 Working Group adopt the election rules as shown in 1121_802_3_closing_plenary.pdf.

M: S. Carlson

S: N. Wienckowski

Procedural (> 50%)

Motion Passed by unanimous consent 18-November 2021, 14:42 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.

Liaisons:

External Liaison Letters (old):

IEEE P802.3cw 400 Gb/s over DWDM systems – J. D’Ambrosia

MOTION #3

Move that the IEEE 802.3 Working Group approve:

IEEE_802d3_to_ITU_3cw_1121_draft_Redacted.pdf

IEEE_802d3_to_OIF_3cw_1121_draft_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 and OIF.

M: John D’Ambrosia

S: George Zimmerman

Technical ($\geq 75\%$)

Y: 134 N: 0 A: 1

Motion Passed 18-November 2021, 14:52 UTC

ISO/IEC JTC1 SC25/WG 3: Project IEC 60512-99-003 [liaison letter](#) – Chad Jones

MOTION #4

Move that the IEEE 802.3 Working Group approve:

IEEE_802d3_to_SC25_1121_3N1299_draft_Redacted.pdf with editorial license granted to the Chair (or his appointed agent) as liaison communications from the IEEE 802.3 Working Group to ISO/IEC JTC1/SC25 WG3.

M: Chad Jones

S: George Zimmerman

Technical ($\geq 75\%$)

Motion Passed by unanimous consent 18-November 2021, 15:04 UTC

ITU-T Liaison Replies – Marek Hajduczenia, Steve Trowbridge, Bob Grow

ITU-T SG15: ATN and HNT Standardization Work Plans contribution acknowledgement
[liaison letter](#)

ITU-T SG15: ATN Standardization Work Plan latest version [liaison letter](#)

ITU-T SG15: HNT Standardization Work Plan latest version [liaison letter](#)

ITU-T SG15: OTNT Standardization Work Plan Issue 29 [liaison letter](#) and [attachment](#)

MOTION #5

Move that the IEEE 802.3 Working Group approve:

IEEE_802d3_to_SG15_OTNT_1121_draft_Redacted.pdf

IEEE_802d3_to_SG15_ANT_1121_draft_Redacted.pdf

IEEE_802d3_to_SG15_HNT_1121_draft_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.

M: B. Grow

S: J. Weaver

Technical ($\geq 75\%$)

Y: 136 N: 0 A: 6

Motion Passed 18-November 2021, 15:20 UTC

External Liaison Letters (new):

ITU-T SG15: Initiation of work on greater than 50G Bidirectional Optics [liaison letter](#)

Future Meetings report - Steve Carlson

https://www.ieee802.org/3/minutes/nov21/1121_meetings.pdf

Meeting break at 15:50 UTC, resuming at 15:55 UTC

Rules report – Adam Healey

https://www.ieee802.org/3/minutes/nov21/1121_rules_close_report.pdf

MOTION #6

Approve the proposed IEEE 802.3 rules change 1-07/21 without a 30 day WG letter ballot.

M: J. D'Ambrosia

S: G. Zimmerman

By Rule ($\geq 75\%$)

Motion Passed by unanimous consent 18-November 2021, 16:00 UTC

IEEE 802.3 Maintenance Task Force – Adam Healey

https://www.ieee802.org/3/minutes/nov21/1121_maint_close_report.pdf

MOTION #7

Request conditional approval to progress the IEEE P802.3 (IEEE 802.3dc) draft to SA ballot once the Working Group ballot process has been successfully completed

M: A. Healey on behalf of the Task Force

Technical ($\geq 75\%$)

Y: 101 N: 2 A: 10

Motion Passed 18-November 2021, 16:16 UTC

MOTION #8

Approve IEEE_802d3_to_ISOIEC_JTC1_SC6_1121_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 ISO/IEC JTC 1/SC 6.

M: A. Healey

S: B. Grow

Technical ($\geq 75\%$)

Y: 113 N: 0 A: 7

Motion Passed 18-November 2021, 16:27 UTC

Please see https://www.ieee802.org/3/minutes/nov21/1121_3ck_close_report.pdf

MOTION #9

Request conditional approval to progress the IEEE P802.3 (IEEE 802.3ck) draft to SA ballot once the Working Group ballot process has been successfully completed.

M: K. Lusted on behalf of the Task Force

Technical ($\geq 75\%$)

Y: 113 N: 1 A: 6

Motion Passed 18-November 2021, 16:38 UTC

MOTION #10

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

IEEE_802d3_to_OIF_CEI_1121_draft1_Redacted.pdf

IEEE_802d3_to_T11-2_1121_draft1_Redacted.pdf

IEEE_802d3_to_COBO_1121_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 18-November 2021, 16:42 UTC

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

Please see https://www.ieee802.org/3/minutes/mar21/0321_cs_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/18/ec-18-0246-00-ACSD-p802-3cs.pdf> and request unconditional approval to progress the P802.3cs draft to IEEE Standards Association ballot

M: C. DeSanti on behalf of the Task Force

Technical ($\geq 75\%$)

Y: 98 N: 0 A: 8

Motion Passed 18-November 2021, 16:45 UTC

MOTION #12

Move that the IEEE 802.3 Working Group approve IEEE_802d3_to_Q2SG15_1121_draft_v1_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 Q2/SG15

M: C. DeSanti on behalf of the Task Force

Technical ($\geq 75\%$)

Y: 100 N: 0 A: 3

Motion Passed 18-November 2021, 16:48 UTC

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

Please see

https://www.ieee802.org/3/minutes/nov21/802d3_close_8023dd_TF_report_Nov2021.pdf

MOTION #13

Move that the IEEE 802.3 Working Group request conditional approval to progress the IEEE P802.3dd draft to IEEE Standards Association ballot once the Working Group ballot process has been successfully completed.

M: George Zimmerman on behalf of the Task Force

Technical ($\geq 75\%$)

Y: 98 N: 0 A: 8

Motion Passed 18-November 2021, 16:53 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/nov21/802d3_close_8023de_TF_report_Nov2021.pdf

MOTION #14

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

M: Chad Jones

S: Geoff Thompson

Technical ($\geq 75\%$)

Motion Passed by unanimous consent 18-November 2021, 16:55 UTC

IEEE 802.3 Beyond 400 Gigabit Ethernet Study Group – John D’Ambrosia

Please see https://www.ieee802.org/3/minutes/jul21/0721_b400g_close_report.pdf

MOTION #15

Move that the IEEE 802.3 Working Group approve the IEEE P802.3df objectives, as per slides 5 - 8 of 1121_b400g_close_report.pdf

M: John D’Ambrosia

S: Mark Nowell

Technical ($\geq 75\%$)

Motion Passed by unanimous consent 18-November 2021, 17:02 UTC

MOTION #16

Move that the IEEE 802.3 Working Group approve the IEEE P802.3df 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/21/ec-21-0225-01-00EC-csd-ieee-p802-3df.pdf>

M: John D’Ambrosia

S: K. Lusted

Y: 94 N: 1 A: 5

Technical ($\geq 75\%$)

Motion Passed 18-November 2021, 17:07 UTC

MOTION #17

Move that the IEEE 802.3 Working Group approve the IEEE P802.3df PAR, in <https://mentor.ieee.org/802-ec/dcn/21/ec-21-0224-02-00EC-par-ieee-p802-3df.pdf>

M: John D’Ambrosia

S: D. Ofelt

Y: 99 N: 0 A: 4

Technical ($\geq 75\%$)

Motion Passed 18-November 2021, 17:11 UTC

MOTION #18

Move that the IEEE 802.3 Working Group approve:

IEEE_802d3_to_OIF_b400g_1121_draft_Redacted.pdf

IEEE_802d3_to_ITU_b400g_1121_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 OIF and ITU-T SG15.

M: J. D’Ambrosia

S: T. Huber

Y: 90 N: 0 A: 3

Technical ($\geq 75\%$)

Motion Passed 18-November 2021, 17:19 UTC

MOTION #19

Move: The IEEE 802.3 Working Group requests the rechartering of the Beyond 400 Gb/s Ethernet Study Group

M: J. D'Ambrosia

S: M. Nowell

Y: 93 N: 0 A: 3

Procedural (>50%)

Motion Passed 18-November 2021, 17: 21 UTC

Mr. Law indicated that should the project be approved, John D'Ambrosia will be appointed task force chair and Mark Nowell the task force vice chair.

IEEE 802.3 Greater than 10 Mb/s Long Reach Point-to-Point Single Pair Ethernet Study Group – George Zimmerman

Please see

https://www.ieee802.org/3/minutes/nov21/802d3_close_GT10MSPE_study_group_report_Nov2021.pdf

MOTION #20

Move that the IEEE 802.3 Working Group approve the first rechartering of the Greater than 10 Mb/s Long-Reach Point-to-Point Single-Pair Ethernet Study Group.

M: George Zimmerman on behalf of the Study Group

Convention (> 50%)

Y: 79 N: 0 A: 3

Motion Passed 18-November 2021, 17:29 UTC

Other business:

MOTION #21

Motion to adjourn

M: J. D'Ambrosia

S: Adeel Ran

Procedural (> 50%)

Motion Passed by unanimous consent 18-November 2021, 17:30 UTC

Adjourned.

The list of participants for this meeting (including employers and affiliations) can be found at:
http://www.ieee802.org/3/minutes/nov21/1121_attendance_teleconference.pdf

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