

Unapproved Minutes
IEEE 802.3 Ethernet Working Group
Virtual plenary Meeting
November 9, 2020

<https://www.ieee802.org/3/minutes/nov20/index.html>

MONDAY, 9 NOVEMBER 2020

Minutes were taken by 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.

If you are attending by phone all slides are posted on the webpage:

<https://www.ieee802.org/3/minutes/nov20/index.html>

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 P802.3ca 25 Gb/s and 50 Gb/s EPON: Curtis Knittle

IEEE P802.3ch Multi-Gig Automotive Ethernet PHY: Steve Carlson

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

IEEE P802.3cp Bidirectional 10 Gb/s, 25 Gb/s, and 50 Gb/s Optical Access PHYs: Frank Effenberger

IEEE P802.3cr Isolation (Maintenance #14): Jon Lewis

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

IEEE P802.3ct 100 Gb/s and 400 Gb/s over DWDM systems Task Force: John D'Ambrosia

IEEE P802.3cu 100 Gb/s and 400 Gb/s over SMF at 100 Gb/s per Wavelength: Mark Nowell

IEEE P802.3cv Power over Ethernet (Maintenance #15): Chad Jones

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

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

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

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

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

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

IEEE 802.3 Task Force vice-chairs

IEEE P802.3ca 25 Gb/s and 50 Gb/s EPON: Glen Kramer

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

IEEE 802.3 Ad Hoc chair

IEEE 802.3 New Ethernet Applications Industry Connection Ad Hoc: Jon Lewis

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

https://www.ieee802.org/3/minutes/nov20/1120_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/nov20/1120_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.

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: S. Trowbridge

S: C. Jones

Procedural (> 50%)

Motion Passed by unanimous consent 9-November 2020, 14:12 UTC

MOTION #2

Approve the minutes from the July 2020 and September 2020 minutes.

M: B. Voss

S: J. D'Ambrosia

Procedural (> 50%)

Motion Passed by unanimous consent 9-November 2020, 14:14 UTC

Call for patents

Please see

https://www.ieee802.org/3/minutes/nov20/1120_802_3_opening_plenary.pdf#page=6.

Mr. Law showed the IEEE patent policy slides.

Mr. Law asked if anyone had or was aware of any potentially essential IP or had a letter of assurance. There was no response.

Mr. Law asked that Mr. Lewis record that:

No letters of assurance were submitted

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

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/nov20/1120_802_3_opening_plenary.pdf#page=11

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;

- Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy;

Mr. Law reviewed the IEEE SA participation slides.

https://www.ieee802.org/3/minutes/nov20/1120_802_3_opening_plenary.pdf#page=14

Please also see

https://www.ieee802.org/3/minutes/nov20/1120_802_3_opening_plenary.pdf.

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/nov20/1120_voters.pdf.

Review of voters in peril

Please see https://www.ieee802.org/3/minutes/nov20/1120_peril.pdf

Review of Potential voters

Please see https://www.ieee802.org/3/minutes/nov20/1120_potential.pdf

The following participants requested voting rights during the opening plenary:

Aekins, Rob

Hidaka, Yasuo

Ren, Hao

Brychta, Michal

Huber, Thomas

Sawano, Hiroshi

Chang, Xin

Jonsson, Ragnar

Theodoras, James

Cuesta, Emilio

Kikuta, Tomohiro

Torres, Luis

Dearing, Mark

Lyubomirsky, Ilya

Tracy, Nathan

Dube, Kathryn

Madgar, Zahy

Vanderlaan, Paul

Eyal, Massad

Omori, Kumi

Watanabe, Yuji

Hartmann, Stephan

Potterf, Jason

Zhang, Bo

Valerie Maguire shared the Working Group treasury report. Please see

https://www.ieee802.org/3/minutes/nov20/1120_802_3_opening_plenary.pdf#page=22

Mr. Law showed the 802 EC report

https://www.ieee802.org/3/minutes/nov20/1120_802_3_opening_plenary.pdf#page=25

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

https://www.ieee802.org/3/minutes/nov20/1120_802_3_opening_plenary.pdf#page=26

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

https://www.ieee802.org/3/minutes/nov20/1120_802_3_opening_plenary.pdf#page=27

Mr. Law reviewed the IEEE 802.3 Working Group draft sharing coordination list. There were no suggestions to remove any organization.

Please see:

https://www.ieee802.org/3/minutes/nov20/1120_802_3_opening_plenary.pdf#page=29

LIAISONS

External Liaison letters (new)

External Liaison letters (new)

COBO: Co-Packaged Optics (CPO) and IEEE P802.3ck [liaison letter](#)

Gen-Z Consortium request for draft sharing [liaison letter](#)

External Liaison letters (old)

ITU-T SG15: ITU-T use of a distinct Ethernet O code in G.8312 [liaison letter](#) and [attachment](#)

ITU-T SG15: Coordination of Ethernet information and data modelling work [liaison letter](#)

ITU-T SG15: Revision of G.8012 and G.8021 [liaison letter](#), [attachment 1](#) and [attachment 2](#)

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

Valerie Maguire presented the TIA TR42 report to IEEE 802.3 Please see

https://www.ieee802.org/3/minutes/nov20/1120_TIA_TR42_report_to_802d3.pdf

Opening reports:

IEEE 802.3 Maintenance Report – Adam Healey

https://www.ieee802.org/3/minutes/nov20/1120_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/nov20/1120_3ck_open_report.pdf

IEEE P802.3cp Bidirectional 10 Gb/s, 25 Gb/s and 50 Gb/s Optical Access PHYs Task Force - Frank Effenberger

https://www.ieee802.org/3/minutes/nov20/1120_cp_open_report.pdf

IEEE P802.3cr Maintenance #14: Isolation Task Force opening report – Jon Lewis

https://www.ieee802.org/3/minutes/nov20/1120_cr_open_report.pdf

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

https://www.ieee802.org/3/minutes/nov20/1120_cs_open_report.pdf

IEEE P802.3ct/cw 100 Gb/s and 400 Gb/s over DWDM systems Task Forces opening report – John D’Ambrosia

https://www.ieee802.org/3/minutes/nov20/1120_3ctcw_open_report.pdf

IEEE P802.3cu 100 Gb/s per lane optical PHYs Task Force opening report – Mark Nowell

https://www.ieee802.org/3/minutes/nov20/1120_cu_open_report.pdf

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

https://www.ieee802.org/3/minutes/nov20/802d3cx_task_force_report_Nov-2020.pdf

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

https://www.ieee802.org/3/minutes/nov20/1120_cy_report.pdf

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

https://www.ieee802.org/3/minutes/nov20/2020_11_open_cz_task_force_report.pdf

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

https://www.ieee802.org/3/minutes/nov20/802d3da_update_task_force_report_1120.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/nov20/1109_db_open_report_v2.pdf

IEEE 802.3 New Ethernet Applications Industry Connection Ad Hoc – Jon Lewis

https://www.ieee802.org/3/minutes/nov20/1120_NEA_open_report.pdf

Beyond 400 Gb/s CFI opening report – John D’Ambrosia

https://www.ieee802.org/3/minutes/nov20/1120_b400g_open_reportv2.pdf

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: J. D'Ambrosia

S: C. Jones

Procedural (> 50%)

Motion Passed by unanimous consent 9-November 2020, 14:14 UTC

Mr. Law then adjourned the meeting.

Adjourned.

Unapproved Minutes
IEEE 802.3 Ethernet Working Group
Virtual plenary Meeting (mid-session)
November 12, 2020

<https://www.ieee802.org/3/minutes/nov20/index.html>

THURSDAY, 12 NOVEMBER 2020

Minutes were taken by 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.

If you are attending by phone all slides are posted on the webpage:

https://www.ieee802.org/3/minutes/nov20/1120_802_3_mid_session_plenary.pdf

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 P802.3cp Bidirectional 10 Gb/s, 25 Gb/s, and 50 Gb/s Optical Access PHYs: Frank Effenberger

IEEE P802.3cr Isolation (Maintenance #14): Jon Lewis

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

IEEE P802.3ct 100 Gb/s and 400 Gb/s over DWDM systems Task Force: John D'Ambrosia

IEEE P802.3cu 100 Gb/s and 400 Gb/s over SMF at 100 Gb/s per Wavelength: Mark Nowell

IEEE P802.3cv Power over Ethernet (Maintenance #15): Chad Jones

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

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

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

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

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

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

IEEE 802.3 Task Force vice-chairs

IEEE P802.3ca 25 Gb/s and 50 Gb/s EPON: Glen Kramer

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

IEEE 802.3 Ad Hoc chair

IEEE 802.3 New Ethernet Applications Industry Connection Ad Hoc: John D'Ambrosia

Working Group Decorum

Mr. Law introduced the Working Group decorum as described in the opening report. Please see https://www.ieee802.org/3/minutes/nov20/1120_802_3_mid_session_plenary.pdf.

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

MOTION #1

Approve the agenda

M: J. D'Ambrosia

S: B. Grow

Procedural (> 50%)

Motion Passed by unanimous consent 12-November 2020, 14:07 UTC

Call for patents

Please see

https://www.ieee802.org/3/minutes/nov20/1120_802_3_mid_session_plenary.pdf#page=6.

Mr. Law showed the IEEE patent policy slides.

Mr. Law asked if anyone had or was aware of any potentially essential IP or had a letter of assurance. There was no response.

Mr. Law asked that Mr. Lewis record that:

No letters of assurance were submitted

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

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/nov20/1120_802_3_mid_session_plenary.pdf#page=11

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;
- Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy;

Mr. Law reviewed the IEEE SA participation slides.

https://www.ieee802.org/3/minutes/nov20/1120_802_3_mid_session_plenary.pdf#page=14

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.

Please see

https://www.ieee802.org/3/minutes/nov20/1120_802_3_mid_session_plenary.pdf#page=18.

Mr. Law shared how voting was going to occur along with the voting tool that is to be used during this meeting. Mr. Law requested the Working Group members take a moment to login to the tool and make sure that everyone had access to the new voting tool.

LIAISONS

External Liaison letters

SCC18 Ad Hoc liaison to TC 108 requesting a Category C Liaison – Chad Jones

https://www.ieee802.org/3/minutes/jul20/outgoing/IEEE_802d3_to_TC108_PT63315.pdf

IEEE 802.3 Maintenance Report – Adam Healey

https://www.ieee802.org/3/minutes/nov20/1120_maint_close_report.pdf

MOTION #2

Approve [IEEE_802d3_to_ISOIEC_JTC1_SC6_1120_1_draft.pdf](#) and [IEEE_802d3_to_ISOIEC_JTC1_SC6_1120_2_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 JTC 1/SC 6.

M: A. Healey

S: C. Jones

Technical ($\geq 75\%$)

Approve: 115; Disapprove: 1; Abstain: 3

Motion Passed 12-November 2020, 14:34 UTC

IEEE P802.3cp Bidirectional 10 Gb/s, 25 Gb/s and 50 Gb/s Optical Access PHYs Task Force - Frank Effenberger

https://www.ieee802.org/3/minutes/nov20/1120_cp_close_report.pdf

MOTION #3

Move that the IEEE 802.3 Working Group re-affirm the CSD responses in <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0245-00-ACSD-p802-3cp.pdf> and request conditional approval to progress the IEEE P802.3cp draft to IEEE Standards Association ballot once the Working Group ballot process has been successfully completed.

M: F. Effenberger on behalf of the Task Force

Technical ($\geq 75\%$)

Motion was withdrawn 12-November 2020, 14:47 UTC

IEEE P802.3cv Power over Ethernet (Maintenance #15) Task Force opening report – Chad Jones

https://www.ieee802.org/3/minutes/nov20/802d3cv_update_task_force_report_1120.pdf

MOTION #4

Move that the IEEE 802.3 Working Group request approval to progress the IEEE P802.3cv draft to IEEE Standards Association ballot.

M: C. Jones

S: G. Zimmerman

Technical ($\geq 75\%$)

Approve: 125; Disapprove: 0; Abstain: 8

Motion Passed 12-November 2020, 14:34 UTC

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: C. Jones

S: B. Voss

Procedural ($> 50\%$)

Motion Passed by unanimous consent 12-November 2020, 15:31 UTC

Unapproved Minutes
IEEE 802.3 Ethernet Working Group
Virtual closing plenary Meeting
November 19, 2020

<https://www.ieee802.org/3/minutes/nov20/index.html>

THURSDAY, 19 NOVEMBER 2020

Minutes were taken by George Zimmerman.

ADMINISTRATIVE MATTERS

Call to order

Mr. David Law, Chair of the IEEE 802.3 Ethernet Working Group, called the meeting to order at 14:03 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.

If you are attending by phone all slides are posted on the webpage:

https://www.ieee802.org/3/minutes/nov20/1120_802_3_closing_plenary.pdf

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:

https://www.ieee802.org/3/minutes/nov20/1120_802_3_closing_plenary.pdf#page=2

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 P802.3cp Bidirectional 10 Gb/s, 25 Gb/s, and 50 Gb/s Optical Access PHYs: Frank Effenberger

IEEE P802.3cr Isolation (Maintenance #14): Jon Lewis

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

IEEE P802.3ct 100 Gb/s and 400 Gb/s over DWDM systems Task Force: John D'Ambrosia

IEEE P802.3cu 100 Gb/s and 400 Gb/s over SMF at 100 Gb/s per Wavelength: Mark Nowell

IEEE P802.3cv Power over Ethernet (Maintenance #15): Chad Jones

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

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

IEEE P802.3cy Greater than 10 Gb/s Automotive Ethernet Electrical PHYs: Steve Carlson
IEEE P802.3cz Multi Gigabit Automotive Optical PHYs Study Group: Bob Grow
IEEE P802.3da 10SPE Multidrop Enhancements Study Group: Chad Jones
IEEE P802.3db 100 Gb/s per Wavelength Short Reach PHYs Study Group: Robert Lingle Jr.

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 P802.3ct 100 Gb/s and 400 Gb/s over DWDM systems Task Force: Tom Issenhuth
IEEE P802.3cw 400 Gb/s over DWDM systems: Tom Issenhuth

IEEE 802.3 Ad Hoc chair

IEEE 802.3 New Ethernet Applications Industry Connection Ad Hoc: Jon Lewis

Working Group Decorum

Mr. Law introduced the Working Group decorum as described in the opening report. Please see https://www.ieee802.org/3/minutes/nov20/1120_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.

Call for patents

Please see https://www.ieee802.org/3/minutes/nov20/1120_802_3_closing_plenary.pdf#page=6.

Mr. Law showed the IEEE patent policy slides.

Mr. Law asked if anyone had or was aware of any potentially essential IP or had a letter of assurance. There was no response.

Mr. Law asked that Mr. Zimmerman record that:

No letters of assurance were submitted
The patent policy, per the latest PatCom slide set, was shown
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/nov20/1120_802_3_closing_plenary.pdf#page=11

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;
- Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy;

Mr. Law reviewed the IEEE SA participation slides.

https://www.ieee802.org/3/minutes/nov20/1120_802_3_closing_plenary.pdf#page=14

Approval of Agenda

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

MOTION #1

Approve the agenda

M: Bob Grow S: Steve Carlson S:

Procedural (> 50%)

Motion Passed by unanimous consent 19-November 2020, 14:12 UTC

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.

Review of voting membership

Please see https://www.ieee802.org/3/minutes/nov20/1120_voters.pdf.

Review of voters in peril

Please see http://www.ieee802.org/3/minutes/nov20/1120_peril.pdf

Review of Potential voters

Please see http://www.ieee802.org/3/minutes/nov20/1120_potential.pdf

The following participants requested voting rights during the closing plenary:

| | | |
|------------------|-----------------------|-----------------|
| Kim, Inho | Murty, Ramana | Yonezawa, Kenji |
| Mortazavi, Sanaz | Shingematsu, Masuyuki | |

Mr. Law then reviewed the IEEE 802 Executive Committee report, including that all the items forwarded from the mid-session plenary were approved.

Future Meetings report - Steve Carlson

https://www.ieee802.org/3/minutes/nov20/1120_meetings.pdf

IEEE 802.3ck 100 Gb/s, 200 Gb/s, and 400 Gb/s Electrical Interfaces Task Force – Beth Kochuparambil

Incoming: COBO: Co-Packaged Optics (CPO) and IEEE P802.3ck

https://iee802.org/3/minutes/nov20/incoming/COBO_liaison_to_IEEE_802.3_-_201030.pdf

Reply from IEEE 802.3 to COBO:

https://iee802.org/3/minutes/nov20/outgoing/IEEE_802d3_to_COBO_1120_draft3.pdf

Outgoing (reply) liaison from IEEE 802.3 to Gen-Z Consortium:

https://iee802.org/3/minutes/nov20/outgoing/IEEE_802d3_to_Gen-Z_1120_draft2.pdf

Outgoing liaison from IEEE 802.3 to INCITS T11.2:

https://iee802.org/3/minutes/nov20/outgoing/IEEE_802d3_to_T11-2_1120_draft1.pdf

Outgoing liaison from IEEE 802.3 to OIF CEI:

https://iee802.org/3/minutes/nov20/outgoing/IEEE_802d3_to_OIF_CEI_1120_draft2.pdf

MOTION #2

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

https://iee802.org/3/minutes/nov20/outgoing/IEEE_802d3_to_COBO_1120_draft3.pdf

https://iee802.org/3/minutes/nov20/outgoing/IEEE_802d3_to_Gen-Z_1120_draft2.pdf

https://iee802.org/3/minutes/nov20/outgoing/IEEE_802d3_to_T11-2_1120_draft1.pdf

https://iee802.org/3/minutes/nov20/outgoing/IEEE_802d3_to_OIF_CEI_1120_draft2.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 19-Nov 2020, 16:51 UTC

IEEE 802.3cp Bidirectional 10 Gb/s, 25 Gb/s, and 50 Gb/s Optical Access PHYs Task Force –
Frank Effenberger

Please see https://iee802.org/3/minutes/nov20/1120_cp_close_report.pdf

MOTION #3

Move that the IEEE 802.3 Working Group re-affirm the CSD responses in <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0245-00-ACSD-p802-3cp.pdf> and request conditional approval to progress the IEEE P802.3cp draft to IEEE Standards Association ballot once the Working Group ballot process has been successfully completed.

M: Frank Effenberger of behalf of the Task Force

Y: 142 N: 0 A: 11

Technical (>= 75%)

Motion Passed 19-Nov 2020, 17:07 UTC

IEEE 802.3cr Maintenance #14: Isolation Task Force – George Zimmerman for Jon Lewis

Please see https://ieee802.org/3/minutes/nov20/1120_cr_close_report.pdf

MOTION #4

Move that the IEEE 802.3 Working Group request approval to submit the IEEE P802.3cr draft to RevCom.

M: Chad Jones

S: Mark Laubach

Y: 121 N: 1 A: 9

Technical (>= 75%)

Motion Passed 19-Nov 2020, 17:16 UTC

IEEE 802.3cs – Increased-reach Ethernet optical subscriber access (Super-PON) Task Force – Claudio DeSanti

Please see https://ieee802.org/3/minutes/nov20/1120_cs_close_report.pdf

https://ieee802.org/3/minutes/nov20/outgoing/IEEE_802d3_to_Q2SG15_1120_draft.pdf

MOTION #5

Move that the IEEE 802.3 Working Group approve IEEE_802d3_to_Q2SG15_1120_draft.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: Claudio DeSanti of behalf of the Task Force

Y: 140 N: 0 A: 10

Technical ($\geq 75\%$)

Motion Passed 19-Nov 2020, 17:25 UTC

IEEE 802.3cu 100 Gb/s per lane optical PHYs Task Force – Mark Nowell

Please see https://iee802.org/3/minutes/nov20/1120_cu_close_report.pdf

MOTION #6

Move that the IEEE 802.3 Working Group re-affirm the CSD responses in <https://mentor.ieee.org/802-ec/dcn/19/ec-19-0062-00-ACSD-p802-3cu.pdf> and request conditional approval to progress the IEEE P802.3cu draft to RevCom once the Sponsor ballot process has been successfully completed.

M: Mark Nowell

S: Gary Nicholl

Y: 136 N: 1 A: 5

Technical ($\geq 75\%$)

Motion Passed 19-Nov 2020, 17:37 UTC

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

Please see https://ieee802.org/3/minutes/nov20/1109_db_close_report_v3.pdf

MOTION #7

Move that the IEEE 802.3 Working Group approve the following additional IEEE P802.3db objectives:

- Define a physical layer specification that supports 100 Gb/s operation over 1 pair of MMF with lengths up to at least 100 m
- Define a physical layer specification that supports 200 Gb/s operation over 2 pairs of MMF with lengths up to at least 100 m
- Define a physical layer specification that supports 400 Gb/s operation over 4 pairs of MMF with lengths up to at least 100 m

M: Earl Parsons

S: Ramana Murty

Technical ($\geq 75\%$)

Motion Passed by unanimous consent 19-Nov 2020, 17:55 UTC

IEEE PDCC Ad hoc – Chad Jones

Please see https://ieee802.org/3/minutes/nov20/1120_PDCC_close_report.pdf

MOTION #8

Move that the IEEE 802.3 Working Group approve:

[IEEE_802d3_to_ITU_T_SG5_111920.docx](#)

with editorial license granted to the Chair (or his appointed agent) as liaison communications from the IEEE 802.3 Working Group to ITU-T SG5.

M: Chad Jones

S: Geoff Thompson

Y: 123 N: 0 A: 4

Technical ($\geq 75\%$)

Motion Passed 19-Nov 2020, 18:05 UTC

IEEE 802.3 Beyond 400 Gigabit Ethernet call for interest – John D’Ambrosia

Please see https://ieee802.org/3/minutes/nov20/1120_b400g_close_report.pdf

MOTION #9

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:

1. Beyond 400 Gb/s Ethernet;
2. Physical Layer specifications for existing Ethernet rates based on Physical Layer specifications for Beyond 400 Gb/s Ethernet

M: John D’Ambrosia

S: Ray Nering

Y: 131 N: 1 A: 4

(> 50% by rule)

Motion Passed 19-Nov 2020, 18:21 UTC

Mr. D’Ambrosia informed the working group that the IEEE 802 EC approved the issue of a press release reporting the formation of the Study Group, contingent on approval of the Study Group by the EC.

Mr. Law reported that he will request the 802 EC to consider the formation of the Study Group at its meeting 1 December.

IEEE Std 802.3ch-2020 awards – Steve Carlson

Other business:

MOTION #10

Motion to adjourn

M: S. Carlson

S: H. Kadry

Procedural (> 50%)

Motion Passed by unanimous consent 19-Nov 2020, 18:35 UTC

Adjourned.

The list of participants for this meeting (including employers and affiliations) can be found at:
http://www.ieee802.org/3/minutes/nov20/1120_attendance_teleconference.pdf

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