

Approved Minutes
IEEE 802.3 Ethernet Working Group plenary
Waikoloa Village, HI USA
November 11 to 14, 2019

<http://www.ieee802.org/3/minutes/nov19/index.html>

MONDAY, 11 NOVEMBER 2019

Minutes were taken by 802.3 Recording Secretary Jon Lewis.

ADMINISTRATIVE MATTERS

Call to order

Mr. Adam Healey, Vice-Chair of the IEEE 802.3 Ethernet Working Group, called the meeting to order at 10:00 am on behalf of Mr. David Law, Chair of the IEEE 802.3 Ethernet Working Group who was temporarily unavailable. Mr. Healey announced that the meeting had quorum as it was being held in conjunction with a plenary session.

Welcome, introductions, and general announcements

Mr. Healey asked the attendees to introduce themselves and announce their affiliation. Mr. Healey also 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 P802.3cg 10 Mb/s Single Pair Ethernet: George Zimmerman
- 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 P802.3cm 400 Gb/s over Multimode Fiber: Robert Lingle
- IEEE P802.3cn 50 Gb/s, 200 Gb/s, and 400 Gb/s over SMF: John D'Ambrosia
- IEEE P802.3cp Bidirectional 10 Gb/s, 25 Gb/s, and 50 Gb/s Optical Access PHYs: Frank Effenberger
- IEEE P802.3cq Power over Ethernet over 2 Pairs (Maintenance #13): Chad Jones
- 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 802.3 Study Group chairs

- IEEE 802.3 Greater than 10 Gb/s Automotive Ethernet Electrical PHYs: Steve Carlson
- IEEE 802.3 Multi Gigabit Automotive Optical PHYs Study Group: Bob Grow
- IEEE 802.3 Improving PTP Timestamping Accuracy Study Group: Steve Gorshe
- IEEE 802.3 10SPE Multidrop Enhancements Study Group: Chad Jones

IEEE 802.3 Ad Hoc chair

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

Working Group Decorum

Mr. Healey introduced the Working Group decorum as described in the opening report. Please see http://www.ieee802.org/3/minutes/nov19/1119_802_3_opening_plenary.pdf.

Mr. Healey noted that there should be no recording or photography without permission.

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

Mr. Healey noted that participants are required to register for this meeting and pay the meeting fee. Mr. Healey also noted that participants must wear their badges in public areas at all times.

Review and approval of agenda

Mr. Healey noted that a soft copy of the draft agenda had been posted to the minutes section for this meeting. Mr. Healey gave the general minutes webpage for IEEE 802.3:

<http://www.ieee802.org/3/minutes/>

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

MOTION #1

Approve the agenda.

M: K. Lusted

S: B. Grow

Procedural (> 50%)

Motion Passed by voice vote without opposition 11-Nov 2019, 10:13am

Approval of July 2019 and September 2019 minutes

Please see http://www.ieee802.org/3/minutes/jul19/0719_minutes_draft.pdf and http://www.ieee802.org/3/minutes/sep19/0919_minutes_draft.pdf.

Mr. Healey asked if there were any additions or corrections to the July 2019 minutes which were posted on 29 July 2019 or to the Sept 2019 minutes which were posted on 17 September 2019. There was no response.

MOTION #2

Approve July 2019 plenary meeting minutes and the September 2019 interim meeting minutes.

M: S. Trowbridge

S: T. Baldwin

Procedural (> 50%)

Motion Passed by voice vote without opposition 11-Nov 2019, 10:14 am

Call for patents

Please see

<https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.pdf>.

Mr. Healey showed the IEEE patent policy slides.

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

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

Mr. Healey reviewed the IEEE SA copyright slides.

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

The approved posted agenda did not specifically note the presentation of the new copyright slides and the updated participation slides which were in the presentation shown.

Please also see

http://www.ieee802.org/3/minutes/nov19/1119_802_3_opening_plenary.pdf.

General Working Group business

Interim meetings since the July 2019 meeting

Please see http://www.ieee802.org/3/minutes/nov19/1119_802_3_opening_plenary.pdf.

14th through 15th August 2019, Milwaukee, WI USA

- IEEE P802.3cg interim meeting

9th through 13th September 2019, Indianapolis, IN, USA

- IEEE 802.3 interim meeting series

Mr. Healey expressed his thanks to the hosts of the various interim meetings. There was a round of applause.

Attendance procedures, tool, books and e-mail list maintenance

Mr. Healey explained the membership requirements (gaining and retaining)

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

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

Mr. Lewis reminded participants that the IEEE 802.3 Working Group would record meeting attendance using the IEEE-SA Meeting Attendance Tool and that declaration of affiliation is a requirement to obtain credit for meeting attendance. Mr. Lewis noted that a presentation giving details of the attendance procedure is available at:

http://ieee802.org/3/minutes/nov19/1119_imat.pdf.

Review of voting membership

Please see http://www.ieee802.org/3/minutes/nov19/1119_voters.pdf.

Mr. Healey also noted that the voter's affiliations are shown in the IEEE 802.3 membership list. Please see

http://www.ieee802.org/3/minutes/nov19/1119_802_3_membership_list.pdf.

Review of voters in peril

Please see http://www.ieee802.org/3/minutes/nov19/1119_peril.pdf.

Mr. Healey pointed out that the list of voters in peril also showed "departing voters" who were voters with an attendance record such that they would not be voters after this session.

Request for membership

Please see http://www.ieee802.org/3/minutes/nov19/1119_potential.pdf.

Mr. Healey went through the Potential Voters list. Mr. Lewis recorded the respondents:

Boyer, Rich	Kumada, Taketo	Pittala, Fabio
Chen, Chan	Lewis, David	Raju, Parthasarathy
Goergen, Joel	Maniloff, Eric	Ran, Adee
Kasapi, Athanasios	Nadolny, James	Terada, Masaru
Kocsis, Sam	Okabe, Ryo	Wang, Roy

Mr. Healey noted that 802.3 voters now have this status indicated on their badges and that those who had just requested membership should obtain a replacement badge prior to the closing plenary meeting.

IEEE 802.3 Treasurer's report – Valerie Maguire

Please see http://ieee802.org/3/minutes/nov19/1119_treasury.pdf.

IEEE 802 Executive Committee report

Please see http://www.ieee802.org/3/minutes/nov19/1119_802_3_opening_plenary.pdf.

George Zimmerman gave a brief summary of the 802 Treasury report.

Mr. Healey gave an overview of the 802 rules meeting.

At this point, Mr. Law took over as chair of the meeting.

EC Meetings for the week

Mr. Law reviewed the schedule of EC meetings for the plenary week.

Please see http://www.ieee802.org/3/minutes/nov19/1119_802_3_opening_plenary.pdf.

Other 802 PARs under consideration this week (comments due by 18:30 Tuesday)

Please see http://www.ieee802.org/3/minutes/nov19/1119_agenda_open.pdf.

Amendment project PARs

- IEEE P802f: YANG Data Model for EtherTypes
- IEEE P802.1AEdk: MAC Privacy protection
- IEEE P802.15.7a: High Data Rate Optical Camera Communications
- IEEE P802.16t: Fixed and Mobile Wireless Access in Channel Bandwidth up to 100 kHz

PAR Modification requests:

- IEEE P802.1CS: Link-local Registration Protocol

Mr. Law announced that Mr. Grow had kindly offered to chair an Ad Hoc to review these PARs and submit comments on behalf of the Working Group.

Mr. Law discussed the IEEE SA tools update and that the hard cutover would be 27 January 2020.

LIAISONS

Mr. Law reviewed the process for liaising drafts and the current list of organizations that are approved. After the review Mr. Law stated he believed that all these draft sharing liaison relationships were productive and asked if anybody disagreed. Nobody responded.

External Liaison letters (new)

ISO/IEC JTC 1/SC 25/WG 3: ISO/IEC TR 11801-9906 ([liaison letter](#))

- IEEE 802.3 10 Mb/s Single Pair Ethernet Multidrop Enhancements Study Group ISO/IEC JTC 1/SC 25/WG 3: Remote powering ([liaison letter](#)) and ([attachment](#))

- IEEE 802.3 10 Mb/s Single Pair Ethernet Multidrop Enhancements Study Group ITU JCA-IMT2020: Invitation to update IMT2020 roadmap ([liaison letter](#))

- Defer until January 2020 IEEE 802.3 interim meeting series

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

- Defer until January 2020 IEEE 802.3 interim meeting series

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

- No response need, sent to IEEE 802.1, copied to IEEE 802.3

ITU-T SG15: 100 Gbit/s and 400 Gbit/s DWDM issues ([liaison letter](#))

- IEEE P802.3ct 100 Gb/s and 400 Gb/s over DWDM systems Task Force

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

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

OIF: 400ZR Interop project ([liaison letter](#)) and ([attachment](#))

- IEEE P802.3ct 100 Gb/s and 400 Gb/s over DWDM systems Task Force

External Liaison reports

ISO/IEC SC25/WG3 Liaison Report – Masood Shariff

Please see

http://www.ieee802.org/3/minutes/nov19/incoming/1119_ISO_IEC_Liaison-to-802d3.pdf.

TIA TR-42 report – Valerie Maguire

Please see

http://ieee802.org/3/minutes/nov19/incoming/1119_TIA_TR42_report_to_802d3.pdf.

IEEE 802.3 Rules – Adam Healey

Mr. Healey noted that no rules changes had been received.

IEEE 802.3 Maintenance – Adam Healey

Please see http://www.ieee802.org/3/minutes/nov19/1119_maint_open_report.pdf.

TASK FORCE AND STUDY GROUP REPORTS

IEEE P802.3ca 25 Gb/s, 50 Gb/s and 100 Gb/s EPON Task Force – Curtis Knittle

Please see http://www.ieee802.org/3/minutes/nov19/1119_ca_open_report.pdf.

IEEE P802.3cg 10 Mb/s Single Pair Ethernet Task Force – George Zimmerman

Please see http://www.ieee802.org/3/minutes/nov19/1119_cg_open_report.pdf.

Mr. Zimmerman announced that RevCom approved 11/6/19 and the Standards Board approved 11/7/19.

IEEE P802.3ch Multi-Gig Automotive Ethernet PHY Task Force – Steve Carlson

Please see http://www.ieee802.org/3/minutes/nov19/1119_ch_open_report.pdf.

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

Please see http://www.ieee802.org/3/minutes/nov19/1119_ck_open_report.pdf.

IEEE P802.3cm 400 Gb/s over Multimode Fiber Task Force –Robert Lingle

Please see http://www.ieee802.org/3/minutes/nov19/1119_cm_open_report.pdf.

Mr. Lingle announced a contingent teleconference interim meeting on 12/11/19 7am-9am PT.

IEEE P802.3cn 50 Gb/s, 200 Gb/s, and 400 Gb/s over SMF Task Force – John D'Ambrosia

Please see http://www.ieee802.org/3/minutes/nov19/1119_3cn_open_report.pdf.

IEEE P802.3cp Bidirectional 10Gb/s, 25 Gb/s, and 50Gb/s optical access PHYs Task Force – Frank Effenberger

Please see http://www.ieee802.org/3/minutes/nov19/1119_cp_open_report.pdf.

IEEE P802.3cq Power over Ethernet over 2 Pairs (Maintenance #13) Task Force – Chad Jones

Please see

[http://www.ieee802.org/3/minutes/nov19/802d3cq_open_task_force_report_1119\(1\).pdf](http://www.ieee802.org/3/minutes/nov19/802d3cq_open_task_force_report_1119(1).pdf).

Mr. Jones announced two contingent teleconference interims:

- Thursday Dec 12, 2019 7am-9am PT
- Monday Jan 20, 2020 7am-9am PT

IEEE P802.3cr Isolation (Maintenance #14) Task Force – Jon Lewis

Please see http://www.ieee802.org/3/minutes/nov19/1119_cr_open_report.pdf.

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

Please see http://www.ieee802.org/3/minutes/nov19/1119_cs_open_report.pdf.

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

Please see http://www.ieee802.org/3/minutes/nov19/1119_3ct_open_report.pdf.

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

Please see http://www.ieee802.org/3/minutes/nov19/1119_cu_open_report.pdf.

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

Please see

[http://www.ieee802.org/3/minutes/nov19/802d3cv_open_task_force_report_1119\(1\).pdf](http://www.ieee802.org/3/minutes/nov19/802d3cv_open_task_force_report_1119(1).pdf).

IEEE 802.3 Greater than 10 Gb/s Automotive Ethernet Electrical PHYs Study Group – Steve Carlson

Please see http://www.ieee802.org/3/minutes/nov19/1119_B10GAUTO_open_report.pdf.

IEEE 802.3 Multi Gigabit Automotive Optical PHYs Study Group: Bob Grow

Please see http://www.ieee802.org/3/minutes/nov19/Openingd3_OMEGA_1111.pdf.

IEEE 802.3 Improving PTP Timestamping Accuracy Study Group: Steve Gorshe

Please see [http://www.ieee802.org/3/minutes/nov19/1119_itsa_open_report\(1\).pdf](http://www.ieee802.org/3/minutes/nov19/1119_itsa_open_report(1).pdf).

IEEE 802.3 10SPE Multidrop Enhancements Study Group: Chad Jones

Please see

[http://www.ieee802.org/3/minutes/nov19/802d3_SPMD_open_study_group_report_1119\(1\).pdf](http://www.ieee802.org/3/minutes/nov19/802d3_SPMD_open_study_group_report_1119(1).pdf).

IEEE 802.3 New Ethernet Applications Industry Connection Ad Hoc – John D’Ambrosia

Please see [http://www.ieee802.org/3/minutes/nov19/1119_NEA_open_report\(1\).pdf](http://www.ieee802.org/3/minutes/nov19/1119_NEA_open_report(1).pdf).

CALL FOR INTEREST

IEEE 802.3 Lower cost, short reach, optical PHYs using 100 Gb/s wavelengths call for interest – Mabud Choudhury

Please see http://ieee802.org/3/cfi/request_1119_1.html.

IEEE 802.3 Hybrid (optical / electrical) automotive Ethernet data links call for interest – Carlos Parda

Please see http://ieee802.org/3/cfi/request_1119_2.html.

ROOM ASSIGNMENTS, AND SUBGROUP SCHEDULES

Mr. Carlson noted that details of the rooms for the various meetings and Ad Hocs were available via the 802.3 web page.

A straw poll was taken.

Straw poll #1

If you be attending one of the three meetings on Friday (802 EC Closing Plenary, the 802.11 Closing Plenary or the 802.1 " IEC/IEEE 60802" meeting) will you participate (eat/drink) :

at the Friday AM Break? 27

at Friday Lunch? 29

at the Friday PM Break? 10

11-Nov 2019, 12:10 pm

ADJOURN

No other items of business were presented.

MOTION #3

Move to adjourn.

M: J. D'Ambrosia

S: J. Goergen

Procedural (> 50%)

Motion Passed by voice vote without opposition 11-Nov 2019, 12:11 pm

Unapproved Minutes
IEEE 802.3 Ethernet Working Group plenary
Waikoloa Village, HI USA
November 11-14, 2019

<http://www.ieee802.org/3/minutes/nov19/index.html>

THURSDAY, 14 NOVEMBER 2019

Minutes were taken by 802.3 Recording Secretary Jon Lewis.

ADMINISTRATIVE MATTERS & GENERAL BUSINESS

Call to order

Mr. David Law, Chair of the IEEE 802.3 Ethernet Working Group, called the meeting to order at 1:00 pm. Mr. Law announced that the meeting had quorum as it was being held in conjunction with a plenary session.

Welcome, introductions, and general announcements

Mr. Law asked the attendees to introduce themselves and announce their affiliation.

Mr. Law also showed a list of the officers of the Working Group. Please see http://www.ieee802.org/3/minutes/nov19/1119_802_3_closing_plenary.pdf.

Working Group Decorum

Mr. Law also introduced the Working Group decorum as described in his closing report. Please see http://www.ieee802.org/3/minutes/nov19/1119_802_3_closing_plenary.pdf.

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

Mr. Law noted that there should be no recording or photography without permission.

Mr. Law noted that participants are required to register for this meeting and pay the meeting fee. Mr. Law also noted that participants must wear their badges in public areas at all times.

Mr. Law emphasized that attendees should observe proper decorum in meetings.

Approval of the Agenda

Mr. Grow noted that he would be presenting the closing report for the Hybrid (optical/electrical) automotive Ethernet links CFI.

MOTION #1

Motion to approve the agenda as posted.

M: K. Lusted

S: C. Jones

Procedural (> 50%)

Motion Passed by voice vote without opposition 14-Nov 2019, 1:10 pm

Call for patents

Please see

<https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.pdf>.

Mr. Law asked if anyone had not seen the patent slides during the meeting week. No one responded.

Mr. Law asked if anyone had or was aware of any essential IP or had a letter of assurance, and no one came forth. Mr. Law asked Mr. Lewis to record that:

- No letters of assurance were submitted
- 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. and showed the slides. Please see

http://www.ieee802.org/3/minutes/nov19/1119_802_3_closing_plenary.pdf.

Mr. Law asked if anyone had not seen the copyright slides during the meeting week. No one responded. Mr. Law summarized the content of the slides reminding the group of the requirements for previously published content.

Mr. Law asked if anyone had not seen the participation slides during the meeting week. No one responded. Mr. Law summarized the content of the slides reminding the group that we are attending on an individual basis.

GENERAL WORKING GROUP BUSINESS

Membership and Attendance

Mr. Law reminded participants that attendance is recorded via the IEEE-SA Meeting Attendance tool. Mr. Law noted that attendance must be logged for the afternoon closing plenary session to get credit for the Thursday meeting.

Review of voting membership

Please see http://www.ieee802.org/3/minutes/nov19/1119_voters.pdf.

Review of voters in peril

Please see http://www.ieee802.org/3/minutes/nov19/1119_peril.pdf.

Request for membership

Please see http://www.ieee802.org/3/minutes/nov19/1119_potential.pdf.

Mr. Law went through the Potential Voters list. Mr. Lewis recorded the respondent:
Walter, Edward

IEEE 802 Executive Committee items

Please see http://www.ieee802.org/3/minutes/nov19/1119_802_3_closing_plenary.pdf.

Mr. Thompson gave a brief summary on the copyright discussion at the EC meeting.

IEEE 802.3 Working Group Chair and Vice-Chair elections

Mr. Law explained that the 802 LMSC Policies and Procedures document requires that elections for the IEEE 802.3 Working Group Chair and Vice-Chair positions must be held in the first plenary meeting of even numbered years.

Mr. Law reviewed the proposed election rules shown on slides 22, 23, and 24 of http://www.ieee802.org/3/minutes/nov19/1119_802_3_closing_plenary.pdf#page=22

Motion #2

Adopt the election rules as shown in [1117_802_3_closing_plenary.pdf](#)

M: B. Grow

S: J. D'Ambrosia

Procedural (> 50%)

Motion Passed by voice vote without opposition 14-Nov 2019, 1:32pm

Other IEEE 802 PARs

Mr. Grow briefly reported on the outcome of the Ad Hoc to review the 802 PARs. Please see: http://www.ieee802.org/3/minutes/nov19/1119_PARadhoc_close_report.pdf.

Mr. Law noted that, since there was no further input offered from the Working Group (beyond the comments generated by the Ad Hoc chaired by Mr. Grow), he would vote on the PARs considered by the EC this week based on the discussion at the EC meeting.

External liaison letters (new)

ISO/IEC JTC 1/SC 25/WG 3: ISO/IEC TR 11801-9906

Mr. Law noted that no response was required.

ISO/IEC JTC 1/SC 25/WG 3: Remote powering liaison letter

Mr. Law noted that the IEEE 802.310SPE Multidrop Enhancements Study Group had reviewed the letter and attachment and that no response was required at this time.

ITU-T SG15: 100 Gbit/s and 400 Gbit/s DWDM issues liaison letter

Mr. Law noted that this item would be covered as part of the P802.3ct Task Force closing report.

OIF: CEI-112G-VSR and CEI-112G-LR projects liaison letter and attachment

Mr. Law noted that the P802.3ck Task Force had reviewed the letter and that no response was necessary.

OIF: 400ZR Interop project liaison letter and attachment

Mr. Law noted that the response would be deferred until the January 2020 meeting due to the alignment of the OIF and 802.3 meeting schedules.

Future meetings – Steve Carlson

Mr. Carlson reviewed the details of upcoming meetings. Please see:

http://www.ieee802.org/3/minutes/nov19/1119_meetings_close.pdf.

Motion #3

Move that IEEE 802.3 accept the Dell EMC offer for the September 2020 interim as detailed in [1119 dell emc offer to host sept 2020.pdf](#)

M: Steve Carlson

S: Natalie Wienckowski

Procedural (> 50%)

Motion Passed by voice vote 14-Nov 2019, 1:40pm

REPORTS

IEEE 802.3 Maintenance – Adam Healey

Please see http://ieee802.org/3/minutes/nov19/1119_maint_close_report.pdf.

Mr. Healey made the following motion.

MOTION #4

Approve IEEE_802d3_to_ISOIEC_JTC1_SC6_1119_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: N. Wienckowski

Technical >= 75%

Y: 95; N: 0; A: 1

Motion Passed 14-Nov 2019, 1:52 pm

IEEE P802.3ca 25 Gb/s, 50 Gb/s and 100 Gb/s EPON Task Force – Curtis Knittle

Please see http://ieee802.org/3/minutes/nov19/1119_ca_close_report.pdf.

MOTION #5

Move that the IEEE 802.3 Working Group re-affirm the CSD responses in <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0247-00-ACSD-p802-3ca.pdf> and request approval to progress the IEEE P802.3ca draft to IEEE Standards Association ballot.

M: C. Knittle

S: M. Hajduczenia

Technical >= 75%

Y: 69; N: 2; A: 15

Motion Passed 14-Nov 2019, 2:02 pm

IEEE P802.3ch Multi-Gig Automotive Ethernet PHY Task Force – Steve Carlson

Please see http://ieee802.org/3/minutes/nov19/1119_ch_close_report.pdf.

MOTION #6

Move to re-affirm the CSD responses in

<https://mentor.ieee.org/802-ec/dcn/17/ec-17-0069-00-ACSD-802-3ch.pdf> and request approval to progress the P802.3ch draft to IEEE Standards Association ballot.

M: S. Carlson

S: N. Wienckowski

Technical ($\geq 75\%$)

Y: 89; N: 0; A: 3

Motion Passed 14-Nov 2019, 2:08 pm

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

Please see http://ieee802.org/3/minutes/nov19/1119_ck_close_report.pdf.

IEEE P802.3cm 400 Gb/s over Multimode Fiber Task Force –Robert Lingle

Please see http://ieee802.org/3/minutes/nov19/1119_cm_close_report.pdf.

Mr. Lingle reviewed the unsatisfied negative comments against the P802.3cm draft.

MOTION #7

Move that the IEEE 802.3 Working Group re-affirm the CSD responses in

<https://mentor.ieee.org/802-ec/dcn/18/ec-18-0078-00-ACSD-802-3cm.pdf> and request approval to submit the IEEE P802.3cm draft to RevCom.

M: M. Choudhury

S: J. Ingham

Technical ($\geq 75\%$)

Y: 93, N: 0, A: 2

Motion Passed 14-Nov 2019, 2:17 pm

IEEE P802.3cp Bidirectional 10Gb/s, 25Gb/s, and 50Gb/s optical access PHYs Task Force – Frank Effenberger

Please see http://ieee802.org/3/minutes/nov19/1119_cp_close_report.pdf.

IEEE P802.3cq Power over Ethernet over 2 Pairs (Maintenance #13) Task Force – Chad Jones

Please see http://www.ieee802.org/3/minutes/jul19/0719_cq_close_report.pdf.

Mr. Jones reviewed the editorial changes made to the P802.3cq draft.

Mr. Jones noted that the contingent interim announced at the opening plenary on 20 January 2019 would not be held and that P802.3cq Task Force would meet during the scheduled interim.

MOTION #8

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

M: C. Jones on behalf of the P802.3cq Task Force

Technical ($\geq 75\%$)

Y: 85, N: 0, A: 2

Motion Passed 14-Nov 2019, 2:26 pm

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

MOTION #9

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

M: Natalie S. Chad Jones

Technical ($\geq 75\%$)

Motion Passed 14-Nov 2019, 2:33 pm

IEEE Future Meeting Straw Polls

MOTION #10

Move to amend the agenda to take the future meeting straw polls.

M: C. Jones

S: K. Lusted

Technical ($\geq 75\%$)

Motion Passed 14-Nov 2019, 2:34 pm

STRAW POLL #1

Hilton Waikoloa Village Resort

Would you return to this venue?

Y: 95; N: 18

STRAW POLL #2

Did you like the social?

Y: 53; N: 13

STRAW POLL #3

Did you go to the social?

Y: 69; N: 44

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

Please see http://ieee802.org/3/minutes/nov19/1119_cs_close_report.pdf.

MOTION #11

Move that the IEEE 802.3 Working Group approve IEEE_802d3_to_Q2SG15_1119_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: C. DeSanti on behalf of the P802.3cs Task Force

Technical ($\geq 75\%$)

Y: 81, N: 0, A: 5

Motion Passed 14-Nov 2019, 2:47 pm

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

Please see http://ieee802.org/3/minutes/nov19/1119_3ct_close_report.pdf.

MOTION #12

Move that the IEEE 802.3 Working Group approve:

IEEE P802.3ct Project Documentation Modification

- Objectives - http://www.ieee802.org/3/ct/ProjDoc/3ct_Objectives_190911.pdf
- PAR – <https://mentor.ieee.org/802-ec/dcn/19/ec-19-0149-01-00EC-ieee-p802-3ct-draft-par-response.pdf>
- CSD - <https://mentor.ieee.org/802-ec/dcn/19/ec-19-0147-00-00EC-ieee-p802-3ct-draft-csd.pdf>

IEEE P802.3cw Project Documentation

- Objectives - http://www.ieee802.org/3/ct/ProjDoc/3cw_Objectives_190911.pdf
- PAR – <https://mentor.ieee.org/802-ec/dcn/19/ec-19-0150-00-00EC-ieee-p802-3cw-draft-par-response.pdf>
- CSD - <https://mentor.ieee.org/802-ec/dcn/19/ec-19-0148-00-00EC-ieee-p802-3cw-draft-csd.pdf>

M: J. D’Ambrosia

S: T. Issenhuth

Technical ($\geq 75\%$)

Y: 83, N: 0, A: 1

Motion Passed 14-Nov 2019, 2:59 pm

Mr. D'Ambrosia reviewed the proposed liaison to ITU-T SG15. Please see:
http://iee802.org/3/minutes/nov19/outgoing/IEEE_802d3_to_ITU_3ct_1119.pdf.

MOTION #13

Move that the IEEE 802.3 Working Group approve IEEE_802d3_to_ITU_3ct_1119.pdf with editorial license granted to the Chair (or his appointed agent) as a liaison communication from the IEEE 802.3 Working Group to ITU-T SG15.

M: J. D'Ambrosia

S: S. Trowbridge

Technical ($\geq 75\%$)

Y: 78, N: 0, A: 2

Motion Passed 14-Nov 2019, 3:04 pm

Break at approximately 3:05 pm. Restarted at approximately 3:21 pm.

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

Please see http://www.ieee802.org/3/minutes/nov19/1119_cu_close_report.pdf.

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

Please see http://www.ieee802.org/3/minutes/nov19/1119_802d3cv_close_report.pdf.

IEEE 802.3 Greater than 10 Gb/s Automotive Ethernet Electrical PHYs Study Group – Steve Carlson

Please see

http://www.ieee802.org/3/minutes/nov19/1119_B10GAUTO_close_report.pdf.

MOTION #14

Grant the second rechartering and six month extension of the IEEE 802.3 Greater than 10 Gb/s Automotive Ethernet Electrical PHYs study group.

M: S. Carlson on behalf of the Study Group

> 50%

Y: 75, N: 0, A: 2

Motion Passed 14-Nov 2019, 3:34 pm

IEEE 802.3 Multi-Gigabit Automotive Optical PHYs (OMEGA) Study Group – Bob Grow

Please see http://www.ieee802.org/3/minutes/nov19/1119_OMEGA_close_report.pdf.

MOTION #15

Move that the IEEE 802.3 Working Group request the re-chartering of the Multi Gigabit Automotive Optical PHYs Study Group.

M: R. Grow on behalf of the Study Group

> 50%

Y: 75, N: 0, A: 2

Motion Passed 14-Nov 2019, 3:41 pm

IEEE 802.3 Improving PTP Timestamping Accuracy on Ethernet Interfaces call for interest – Steve Gorshe

Please see http://www.ieee802.org/3/minutes/nov19/1119_ITSA_close_report.pdf.

Mr. Gorshe presented the results of the consensus meeting.

MOTION #16

Move that the IEEE 802.3 Working Group approve the IEEE P802.3cx Improving PTP Timestamping Accuracy Task Force objectives, as per

http://www.ieee802.org/3/ITSA/P802_3cx_Objectives_190912.pdf

M: S. Gorshe

S: M. Takefman

Technical ($\geq 75\%$)

Motion Passed by voice vote without opposition 14-Nov 2019, 3:50 pm

MOTION #17

Move that the IEEE 802.3 Working Group approve the IEEE P802.3cx Improving PTP Timestamping Accuracy Task Force 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/19/ec-19-0161-01-00EC-ieee-p802-3cx-draft-csd-response.pdf>

M: S. Gorshe

S: D. Chalupsky

Technical ($\geq 75\%$)

Y: 82, N: 0, A: 1

Motion Passed 14-Nov 2019, 3:55 pm

MOTION #18

Move that the IEEE 802.3 Working Group approve the IEEE P802.3cx Improving PTP Timestamping Accuracy Task Force PAR, in <https://mentor.ieee.org/802-ec/dcn/19/ec-19-0160-01-00EC-ieee-p802-3cx-draft-par-response.pdf>

M: S. Gorshe

S: D. Chalupsky

Technical ($\geq 75\%$)

Y: 84, N: 0, A: 2

Motion Passed 14-Nov 2019, 4:00 pm

MOTION #19

Move that the IEEE 802.3 Working Group request the re-chartering of the Improving PTP Timestamping Accuracy Study Group.

M: S. Gorshe

S: D. Chalupsky

> 50%

Y: 84, N: 0, A: 1

Motion Passed 14-Nov 2019, 4:02 pm

Mr. Law announced that should the IEEE P802.3cx Task Force be approved he would appoint Mr. S. Gorshe as the Task Force Chair.

IEEE 802.3 10 Mb/s Single Pair Ethernet Multidrop Enhancements call for interest – Chad Jones

Please see

http://www.ieee802.org/3/minutes/nov19/1119_802d3_SPMD_close_report.pdf.

MOTION #20

Move that the IEEE 802.3 Working Group request the rechartering of the SPMD Study Group.

M: C. Jones

S: J. Goergen

> 50%

Y: 83, N: 1, A: 1

Motion Passed 14-Nov 2019, 4:09 pm

IEEE SCC18 Ad Hoc – Chad Jones

Please see http://www.ieee802.org/3/minutes/nov19/scc18_close_to_802d3_1119.pdf.

MOTION #21

Move that the IEEE 802.3 Working Group grant the SCC18 ad hoc the authority to provide comments to the Class D liaison to TC64 by January 25, 2020

M: C. Jones

S: G. Thompson

Technical ($\geq 75\%$)

Motion Passed by voice vote without opposition 14-Nov 2019, 4:12 pm

IEEE 802.3 New Ethernet Applications Industry Connection Ad Hoc – John D’Ambrosia

Please see http://www.ieee802.org/3/minutes/nov19/1119_NEA_close_report.pdf.

CALL FOR INTEREST

IEEE 802.3 Lower cost, short reach, optical PHYs using 100 Gb/s wavelengths call for interest – Mabud Choudhury

Please see http://www.ieee802.org/3/minutes/nov19/1119_100GSR_close_report.pdf.

MOTION #22

Move that the IEEE 802.3 Ethernet Working Group authorizes the formation of a study group to develop a Project Authorization Request (PAR) and Criteria for Standards Development (CSD) responses for "Lower cost, short reach, optical PHYs using 100 Gb/s wavelengths."

M: M. Choudhury

S: K. Lusted

> 50%

Y: 78, N:0 , A: 2

Motion Passed 14-Nov 2019, 4:21 pm

Mr. Law announced that should the Study Group be approved he would appoint Mr. R. Lingle as the Study Group Chair.

IEEE 802.3 Hybrid (optical / electrical) automotive Ethernet data links call for interest – Bob Grow on behalf of Carlos Parda

Please see

<http://www.ieee802.org/3/minutes/nov19/Hybrid%20Autmotive%20closing%20report%201119.pdf>.

Mr. Grow presented the results of the consensus meeting.

OTHER BUSINESS

It was noted that the invitation pool for SA ballot for IEEE P802.3ca is closing soon and if participation in the SA ballot was of interest to sign up quickly.

Mr. J. D'Ambrosia reminded the group that a workshop would be held the Saturday following the January interim meeting in Geneva, CH. Mr. S. Trowbridge gave a brief summary of the intended agenda.

ADJOURN**MOTION #**

Move to adjourn.

M: J. D'Ambrosia

S: M. Laubach

Procedural (> 50%)

Motion Passed by voice vote without opposition 14-Nov 2019, 4:29 pm

Adjourned.

The list of participants for this meeting (including employers and affiliations) can be found at:

http://ieee802.org/3/minutes/nov19/1119_attendance_waikoloa.pdf

The next meeting of the IEEE 802.3 Working Group will be on Thursday 23rd January 2020, at ITU Headquarters, Geneva, CH.