

Approved Minutes
IEEE 802.3 Ethernet Working Group interim
Spokane, WA, USA
13 September, 2018

<http://www.ieee802.org/3/minutes/sep18/index.html>

THURSDAY, 13 SEPTEMBER, 2018

Minutes were taken by 802.3 Recording Secretary Pete Anslow.

ADMINISTRATIVE MATTERS

Call to order

Mr. David Law, Chair of the IEEE 802.3 Ethernet Working Group, called the meeting to order at 6:30 pm. Mr. Law announced that the meeting had quorum as it had been publicly announced at least 45 days in advance.

Welcome, introductions, and general announcements

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

IEEE 802.3 Executive Secretary: Steve Carlson

IEEE 802.3 Treasurer: Valerie Maguire

IEEE 802.3 Task Force chairs

- IEEE P802.3bt DTE Power via MDI over 4-Pair: Chad Jones
- IEEE P802.3ca 25 Gb/s, 50 Gb/s, and 100 Gb/s EPON: Curtis Knittle
- IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane: Dan Smith
- IEEE P802.3cd 50Gb/s, 100 Gb/s, and 200 Gb/s Ethernet: Mark Nowell
- IEEE P802.3.2 (IEEE 802.3cf) YANG data models: Yan Zhuang
- IEEE P802.3cg 10 Mb/s Single Twisted Pair Ethernet: George Zimmerman
- IEEE P802.3ch Multi-Gig Automotive Ethernet PHY: Steve Carlson
- IEEE P802.3ck 100 Gb/s per Lane Electrical Task Force: Beth Kochuparambil
- IEEE P802.3cm 400 Gb/s over Multimode Fiber Task Force: Robert Lingle

IEEE 802.3 Study Group chairs

- IEEE 802.3 Beyond 10 km optical PHYs Study Group: John D'Ambrosia
- IEEE 802.3 Bidirectional 10 Gb/s, 25 Gb/s, and 50 Gb/s Optical Access PHYs: Frank Effenberger
- IEEE 802.3 Physical Layers for increased reach Ethernet optical subscriber access (Super-PON): Claudio DiSanti

Working Group Decorum

Mr. Law introduced the Working Group decorum as described in the interim slides. Please see http://www.ieee802.org/3/minutes/sep18/0918_802_3_interim.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.

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 gave the minutes webpage for this meeting:

<http://www.ieee802.org/3/minutes/sep18/index.html>

MOTION #1

Approve the agenda.

M: J. D'Ambrosia

S: E. Kochuparambil

Procedural (> 50%)

Passed by voice vote without opposition 13-Sep 2018, 6:37pm

Call for patents

Please see <http://standards.ieee.org/board/pat/pat-slideset.pdf>.

Mr. Law asked if anyone was unfamiliar with the IEEE patent policy. No one responded.

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

Mr. Law asked that Mr. Anslow 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 participation slide.

Please see http://www.ieee802.org/3/minutes/sep18/0918_802_3_interim.pdf.

General Working Group business

Membership and attendance recording

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
- 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 http://www.ieee802.org/3/minutes/sep18/0918_voters.pdf.

Mr. Law reminded participants that the IEEE 802.3 Working Group would record meeting attendance using the IEEE-SA Meeting Attendance Tool.

Mr. Law pointed out that a document containing details of whether WG members have voted on recent WG ballots is available at:

http://www.ieee802.org/3/ballots/ballot_returns.pdf.

LIAISONS

External Liaison reports

ISO/IEC SC25/WG3 Update report – James Withey

Please see

http://www.ieee802.org/3/minutes/sep18/0918_SC25_WG3_report_to_802d3.pdf.

External Liaison letters (old)

ITU-T SG15: Access Network Transport (ANT) Standards Overview and Work Plan
[liaison letter](#)

ITU-T SG15: Home Network Transport (HNT) Standards Overview and Work Plan
[liaison letter](#)

ITU-T SG15: Optical Transport Networks & Technologies (OTNT) Standardization Work Plan
[liaison letter](#)

ITU-T SG15: ANT and HNT documents [liaison letter](#)

Consideration of the above four liaison letters was deferred from the March 2018 meeting due the alignment of the ITU-T SG15 and IEEE 802.3 meeting schedules.

Mr. Hajduczenia presented a proposed liaison response to ITU-T SG15. Please see:

http://ieee802.org/3/minutes/sep18/outgoing/IEEE_802d3_to_SG15_ANT_0918_draft.pdf.

Mr. Grow presented a proposed liaison response to ITU-T SG15. Please see:
http://iee802.org/3/minutes/sep18/outgoing/IEEE_802d3_to_SG15_HNT_0918_draft.pdf.

Mr. Trowbridge presented a proposed liaison response to ITU-T SG15. Please see:
http://iee802.org/3/minutes/sep18/outgoing/IEEE_802d3_to_SG15_OTNT_0918_draft.pdf.

Minor changes were made to the text of the HNT draft liaison.

MOTION #2

Move that 802.3 approve:

IEEE_802d3_to_SG15_ANT_0918_draft.pdf

IEEE_802d3_to_SG15_HNT_0918_draft.pdf

IEEE_802d3_to_SG15_OTNT_0918_draft.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: R. Grow

S: C. Jones

Technical ($\geq 75\%$)

Y: 58, N 0, A: 0

Passed 13-Sep 2018, 7:03pm

ITU-T SG15: Progress on G.698.2 [liaison letter](#)

Mr. Law noted that this liaison would be dealt with under the agenda item for the OIF: 400ZR Interop Project liaison.

MIPI: Liaison relationship establishment [liaison letter](#)

Mr. Carlson reviewed a proposed liaison response to the MIPI Alliance. Please see:
http://iee802.org/3/minutes/sep18/outgoing/IEEE_802d3_to_MIPI_0918_draft.pdf.

Minor changes were made to the draft liaison.

MOTION #3

Move that the IEEE 802.3 Working Group approve:

IEEE_802d3_to_MIPI_0918_draft.docx

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

M: S. Carlson

S: R. Grow

Technical ($\geq 75\%$)

Passed by voice vote without opposition 13-Sep 2018, 7:08pm

External Liaison letters (new)

Broadband Forum: YANG best practices [liaison letter](#) and [attachment](#)

Mr. Remein reviewed a proposed liaison response to the Broadband Forum. Please see:
http://iee802.org/3/minutes/sep18/outgoing/IEEE_802d3_to_BBF_0918_draft.pdf.

MOTION #4

Move that the IEEE 802.3 Working Group approve IEEE_802d3_to_BBF_0918_draft with editorial license granted to the Chair (or his appointed agent) as a liaison communication from the IEEE 802.3 Working Group to the Broadband Forum.

M: D. Remein

S: J. Lewis

Technical ($\geq 75\%$)

Passed by voice vote without opposition 13-Sep 2018, 7:12pm

Ethernet Alliance: PoE certification program [liaison letter](#)

Mr. Law noted that this liaison would be dealt with under the IEEE 802.3 SCC18 Ad Hoc agenda item.

OIF: Completion of FlexE 2.0 Implementation Agreement [liaison letter](#)

Mr. Law noted that this liaison informs the Working Group of the completion of the OIF FlexE 2.0 IA and that no response was necessary.

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

Mr. D'Ambrosia reviewed a proposed liaison to the ITU-T. Please see:

http://iee802.org/3/minutes/sep18/outgoing/IEEE_802d3_to_ITU_B10k_0918_draft.pdf.

Mr. D'Ambrosia reviewed a proposed liaison to the OIF. Please see:

http://iee802.org/3/minutes/sep18/outgoing/IEEE_802d3_to_OIF_B10k_0918_draft.pdf.

MOTION #5

Move that the IEEE 802.3 Working Group approve:

IEEE_802d3_to_ITU_B10k_0918_draft

IEEE_802d3_to_OIF_B10k_0918_draft

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

M: J. D'Ambrosia

S: S. Trowbridge

Technical ($\geq 75\%$)

Y: 63, N 0, A: 0

Passed 13-Sep 2018, 7:16pm

ISO/IEC SC25/WG3: Connecting hardware for single pair cabling [liaison letter](#)

Mr. Law noted that this liaison informs the Working Group of the selection of “connecting hardware for single pair cabling” and that no response was necessary.

IEEE P802.3cd 50 Gb/s, 100 Gb/s, and 200 Gb/s Ethernet Task Force – Mark Nowell

Please see http://ieee802.org/3/minutes/sep18/0918_cd_report.pdf.

Mr. Nowell reviewed the unsatisfied negative responses to the P802.3cd draft.

MOTION #6

Move that the IEEE 802.3 Working Group re-affirm the CSD responses in <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0060-02-ACSD-802-3cd.pdf> and request conditional approval to progress the IEEE P802.3cd draft to RevCom once the Sponsor ballot process has been successfully completed.

M: M. Nowell

S: K. Lusted

Technical ($\geq 75\%$)

Y: 62, N 0, A: 0

Passed 13-Sep 2018, 7:25pm

Mr. Nowell reviewed a proposed liaison to the OIF. Please see:

http://ieee802.org/3/minutes/sep18/outgoing/IEEE_802d3_to_OIF_cd_0918_draft.pdf.

MOTION #7

Move that the IEEE 802.3 Working Group approve:
IEEE_802d3_to_OIF_cd_0918_draft
with editorial license granted to the Chair (or his appointed agent) as liaison communication from the IEEE 802.3 Working Group to the OIF.

M: M. Nowell

S: K. Lusted

Technical ($\geq 75\%$)

Passed by voice vote without opposition 13-Sep 2018, 7:27pm

Mr. Nowell announced that the P802.3cd Task Force would be holding a contingent out-of-cycle teleconference interim meeting on Tuesday 9 October 2018.

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

Please see http://ieee802.org/3/minutes/sep18/0918_NEA_report.pdf.

Mr. D'Ambrosia reviewed the activities of the New Ethernet Applications Industry Connection Ad Hoc.

MOTION #8

Move that the IEEE 802.3 Working Group endorse the Industry Connections New Ethernet Applications ICAID modification
(http://www.ieee802.org/3/ad_hoc/ngrates/public/18_09/ICAID_18_0910_draft_NEA_clean.pdf)

Submit to the IEEE 802 EC for endorsement

M: J. D'Ambrosia

S: S. Carlson

>50%

Y: 57, N 0, A: 2

Passed 13-Sep 2018, 7:30pm

Mr. D'Ambrosia reviewed proposed liaisons to:

- 1) ITU-T Study Group 15, ITU-T Study Group 13, and ITU-T Focus Group on technologies for Network 2030.
- 2) Euro-IX.
- 3) CableLabs.
- 4) "All."

Please see:

http://ieee802.org/3/minutes/sep18/outgoing/IEEE_802d3_to_ITU_BWA_0918_draft.pdf.

http://ieee802.org/3/minutes/sep18/outgoing/IEEE_802d3_to_EIX_BWA_0918_draft.pdf.

http://ieee802.org/3/minutes/sep18/outgoing/IEEE_802d3_to_CAB_BWA_0918_draft.pdf.

http://ieee802.org/3/minutes/sep18/outgoing/IEEE_802d3_to_ALL_BWA_0918_draft.pdf.

Minor changes were made to the draft liaisons.

MOTION #9

Move that the IEEE 802.3 Working Group approve:

1. IEEE_802d3_to_ITU_BWA_0918_draft
2. IEEE_802d3_to_EIX_BWA_0918_draft
3. IEEE_802d3_to_CAB_BWA_0918_draft
4. IEEE_802d3_to_ALL_BWA_0918_draft

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

- 1) ITU-T Study Group 15, ITU-T Study Group 13, and ITU-T Focus Group on technologies for Network 2030;
- 2) Euro-IX;
- 3) CableLabs;
- 4) "All."

M: J. D'Ambrosia

S: S. Trowbridge

Technical ($\geq 75\%$)

Y: 54, N 0, A: 3

Passed 13-Sep 2018, 7:40pm

IEEE 802.3 SCC18 Ad Hoc – Chad Jones

Please see http://ieee802.org/3/minutes/sep18/0918_SCC18_report.pdf.

Mr. Jones reviewed IEEE 802.3 public comments generated by the SCC18 Ad Hoc.

MOTION #10

Move that the IEEE 802.3 Working Group have the TC716 Direct Representative file the comments found on slides 5, 7, 9, and 11 in 0918_SCC18_report.pdf against 64/2280/CD by September 14, 2018.

M: C. Jones

S: G. Thompson

Technical ($\geq 75\%$)

Passed by voice vote without opposition 13-Sep 2018, 7:50pm

Mr. Jones reviewed a proposed liaison to the Ethernet Alliance. Please see:

http://ieee802.org/3/minutes/sep18/outgoing/IEEE_802d3_to_EA_0918_draft.pdf.

Minor changes were made to the draft liaison.

MOTION #11

Move that the IEEE 802.3 Working Group approve IEEE_802d3_to_EA_0918_draft.pdf with editorial license granted to the Chair (or his appointed agent) as liaison communication from the IEEE 802.3 Working Group to the Ethernet Alliance.

M: C. Jones

S: G. Thompson

Technical ($\geq 75\%$)

Passed by voice vote without opposition 13-Sep 2018, 7:56pm

Future meetings – Steve Carlson

Mr. Carlson reviewed the details of upcoming meetings including an update on the November 2018 meeting. Please see:

http://www.ieee802.org/3/minutes/sep18/0918_meetings_report.pdf.

Ms. Kochuparambil reviewed the details of an offer to host for the September 2019 meeting from Cisco. Please see:

http://www.ieee802.org/3/minutes/sep18/0918_cisco_offer_to_host_sept_2019.pdf.

MOTION #12

Move that IEEE 802.3 accept the Cisco offer for the September 2019 interim as detailed in 0918_cisco_offer_to_host_sept_2019.pdf.

M: S. Carlson

S: E. Kochuparambil

Procedural ($> 50\%$)

Passed by voice vote without opposition 13-Sep 2018, 8:03pm

Announcements

Mr. Law reminded the group that the IEEE P802.3cq Clause 33 Maintenance PAR was submitted for approval at the July meeting. Mr. Law announced that should the P802.3cq Task Force be approved, he will appoint Chad Jones to be chair of the Task Force.

Mr. Law reminded the group that the IEEE P802.3cr Isolation Maintenance PAR was submitted for approval at the July meeting. Mr. Law announced that should the P802.3cr Task Force be approved, he will appoint Jon Lewis to be chair of the Task Force.

Other business

None

ADJOURN

MOTION #13

Move to adjourn.

M: J. D' Ambrosia

S: D. Remein

Procedural (> 50%)

Passed by voice vote without opposition 13-Sep 2018, 8:07pm

Adjourned.

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

http://iee802.org/3/minutes/sep18/0918_WG_attendance.pdf

The next meeting of the IEEE 802.3 Working Group will be on Monday 12th November 2018, at the Marriott Marquis Queen's Park Hotel, Bangkok, Thailand.