

Approved Minutes
IEEE 802.3 Ethernet Working Group interim
Geneva, CH
23 January 2020

<http://www.ieee802.org/3/minutes/jan20/index.html>

THURSDAY, 23 JANUARY 2020

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 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: 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 P802.3cm 400 Gb/s over Multimode Fiber: Robert Lingle
- 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 DiSanti
- 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 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 Study Group chairs

- IEEE 802.3 Greater than 10 Gb/s Automotive Ethernet Electrical PHYs: Steve Carlson
- IEEE 802.3 Multi Gigabit Automotive PHY Optical: Bob Grow
- IEEE 802.3 Improving PTP Timestamping Accuracy on Ethernet Interfaces: Steve Gorshe
- IEEE 802.3 10 Mb/s Single Pair Ethernet Multidrop Enhancements: Chad Jones
- IEEE 802.3 100 Gb/s wavelength Short Reach PHYs Study Group (acting): Robert Lingle

Working Group Decorum

Mr. Law introduced the Working Group decorum as described in the interim slides. Please see http://www.ieee802.org/3/minutes/jan20/0120_802_3_interim.pdf.

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

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 also noted that participants must wear their badges in public areas at all times.

Announcements

Mr. Law announced that Kirsten Matheus and Duane Remein received the IEEE-SA Standards Medallion. There was a round of applause.

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/jan20/index.html>

MOTION #1

Approve the agenda.

M: J. D'Ambrosia

S: K. Lusted

Procedural (> 50%)

Passed by voice vote without opposition 23-Jan 2020, 6:45pm

Call for patents

Please see <https://mentor.ieee.org/myproject/Public/mytools/mob/slideset.ppt>.

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. 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 asked if anyone was unfamiliar with the IEEE-SA Copyright slides. No one responded. Mr. Law showed the IEEE-SA Copyright slides.

Mr. Law asked if anyone was unfamiliar with the IEEE-SA participation slides. No one responded. Mr. Law showed the IEEE-SA participation slides.

Please see http://www.ieee802.org/3/minutes/jan20/0120_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/jan20/0120_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 letters (old)

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

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

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

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

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

MOTION #2

Move that 802.3 approve:

IEEE_802d3_to_SG15_ANT_0120_draft_R03.pdf

IEEE_802d3_to_SG15_HNT_0120_draft_R03.pdf

IEEE_802d3_to_SG15_OTNT_0120_draft_R04.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: M. Hajduczenia

S: C. Jones

Technical ($\geq 75\%$)

Y: 56, N: 0, A: 0

Passed 23-Jan 2020, 7:02pm

MOTION #3

Move that the IEEE 802.3 Working Group approve:

IEEE_802d3ct_to_SG15_0120_draft_R03

• 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: J. D'Ambrosia

S: S. Trowbridge

Technical ($\geq 75\%$)

Y: 55, N: 0, A: 0

Passed 23-Jan 2020, 7:08pm

External Liaison letters (new)

BBF: Broadband Forum adopts open structure [liaison letter](#)

Mr. Law showed the liaison letter and noted that a response was not necessary.

MEF: Update on Operator L1 Service Attributes and Services [liaison letter](#) and [attachment](#)

Mr. Law showed the liaison letter and noted that a response was not necessary.

OIF: CEI-112G-VSR and CEI-112G-LR projects [liaison letter](#) and [attachment](#)
Mr. Law noted that this would be considered by IEEE 802.3ck.

Future Meetings – Steve Carlson

Please see http://www.ieee802.org/3/minutes/jan20/0120_meetings.pdf

Contingent interims announced:

25 February 2020 - IEEE P802.3ca 25 Gb/s and 50 Gb/s Ethernet Passive Optical Networks Task Force contingent interim teleconference session

26 February 2020 - IEEE P802.3ch Multi-Gig Automotive Ethernet PHY Task Force contingent interim teleconference session

Mr. Law gave a quick description of the IEEE-SA schedule for this year.

IEEE 802.3 Maintenance Task Force – Adam Healey

MOTION #4

Move to Approve submission of the contents of [IANA_request_0120.pdf](#) with editorial license granted to the Chair (or his appointed agent) as a request from the IEEE 802.3 Working Group to the Internet Assigned Numbers Authority (IANA).

M: A. Healey

S: S. Carlson

Technical ($\geq 75\%$)

Passed by voice vote without opposition 23-Jan 2020, 7:22pm

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

Mr. Zimmerman recognized participants who significantly contributed to IEEE P802.3cg as many of the participants would not be available at the March plenary. There was a round of applause for those recognized.

Mr. Law asked if there was any objection to postponing IEEE P802.3ck until later in the meeting. There was no objection.

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

MOTION #5

Move to Approve the liaison letter as shown in [IEEE 802d3cp to SG15 Q2 0120 draft R03.pdf](#) with editorial license granted to the Chair (or his appointed agent) as a liaison from the IEEE 802.3 Working Group to the ITU-T SG15 Q2.

M: F. Effenberger

S: B. Grow

Technical ($\geq 75\%$)

Y: 50, N: 0, A: 0

Passed 23-Jan 2020, 7:42pm

**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/jan20/0120_cu_report.pdf.

Upon request, the Chief Editor for P802.3cu showed the detailed changes to the draft.

MOTION #6

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

M: M. Nowell

S: G. Nicholl

Technical ($\geq 75\%$)

Passed/Failed by voice vote without opposition. Geoff Thompson abstained. 23-Jan 2020, 7:59pm

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

MOTION #7

Move that the IEEE 802.3 Working Group approve

[IEEE 802d3 to T11-2 draft1](#)

[IEEE 802d3 to OIF CEI 0120 draft1](#)

with editorial license granted to the Chair (or his appointed agent) as liaison communications from the IEEE 802.3 Working Group to INCITS Fibre Channel T11.2 and OIF, respectively.

M: K. Lusted

S: B. Kochuparambil

Technical ($\geq 75\%$)

Passed by voice vote without opposition 23-Jan 2020, 8:05pm

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

MOTION #8

Move to Approve the liaison letter as shown in

[IEEE 802d3cs to SG15 Q2 0120 draft R03.pdf](#) with editorial license granted to the Chair (or his appointed agent) as a liaison from the IEEE 802.3 Working Group to the ITU-T SG15 Q2.

M: V. Ferretti

S: F. Effenberger

Technical ($\geq 75\%$)

Y: 48, N: 0, A: 1

Passed 23-Jan 2020, 8:08pm

**IEEE 802.3 P802.3ct 100 Gb/s and 400 Gb/s over DWDM systems Task Force –
John D’Ambrosia**

MOTION #9

Move that the IEEE 802.3 Working Group grant approval for the P802.3ct and P802.3cw (pending IEEE SA Std Board Approval) Task Forces to take motions during any joint meeting between these task forces only.

M: J. D’Ambrosia

S: S. Trowbridge

Technical ($\geq 75\%$)

Passed by voice vote without opposition 23-Jan 2020, 8:10pm

Announcements

None.

Other business

Mr. Law announced that a calendar had been created to coordinate between 802.3 groups for teleconferences.

ADJOURN

MOTION #10

Move to adjourn.

M: J. D’Ambrosia

S: D. Ofelt

Procedural ($> 50\%$)

Passed by voice vote without opposition 23-Jan 2020, 8:14pm

Adjourned.

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

http://iee802.org/3/minutes/jan20/0120_WG_attendance.pdf

The next meeting of the IEEE 802.3 Working Group will be on Monday 16th March 2020, at the Hilton Atlanta, Atlanta, GA, USA.