Approved Minutes

IEEE 802.3 Ethernet Working Group

Virtual Interim Working Group Meeting

September 30, 2021

https://www.ieee802.org/3/minutes/sep21/index.html

THURSDAY, 30 SEPTEMBER 2021

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/sep21/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 P802.3ck 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: 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 P802.3 (IEEE 802.3dc) Ethernet revision (Maintenance #16): Adam Healey
    IEEE P802.3dd Power over Data Lines of Single Pair Ethernet (Maintenance #17) Task Force: George Zimmerman
    IEEE P802.3de IEEE P802.3de MAC Merge and TSSI enhancements 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 IEEE 802.3 Enhancements to point to point Single Pair Ethernet Study Group:
  George Zimmerman

Mr. Law introduced the procedure for including your affiliation in your screen name and noted that Mr. Carlson would be monitoring this during the meeting.

Working Group Decorum

Mr. Law introduced the Working Group decorum as described in the opening report. Please see https://www.ieee802.org/3/minutes/sep21/0921_802_3_interim.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: R. Grow   S: B. Voss

Procedural (> 50%)

Motion Passed by unanimous consent 30-Sept 2021, 14:15 UTC

Call for patents

Please see https://www.ieee802.org/3/minutes/sep21/0921_802_3_interim.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/sep21/0921_802_3_interim.pdf#page=11

Mr. Law advised the 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/sep21/0921_802_3_interim.pdf#page=14

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.

Please also see https://www.ieee802.org/3/minutes/sep21/0921_802_3_interim.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.

ISO/IEC SC25/WG3 liaison report – James Withey

https://www.ieee802.org/3/minutes/sep21/SC25WG3_Liaison_to_IEEE802d3_Sep2021_Withey.pdf

LIAISONS

External Liaison letters (new)

OIF: Progress of CEI-112G-VSR, CEI-112G-MR and CEI-112G-LR projects liaison letter and attachment

OIF: 400ZR IA Maintenance Project Update liaison letter and attachment

OIF: 800G Coherent Project Status liaison letter and attachment

IOWN GF: System and Technology Outlook 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

Future Meetings report - Steve Carlson

https://www.ieee802.org/3/minutes/sep21/0921_meetings.pdf

Mr. Carlson noted that sub group schedules are on the 802.3 meeting calendar.

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

MOTION #2

Move that the IEEE 802.3 Working Group approve

IEEE_802d3_to_OIF_CEI_0921_draft1.pdf

IEEE_802d3_to_OIF_CEI_0921a_draft1.pdf

IEEE_802d3_to_T11-2_0921_draft1.pdf

IEEE_802d3_to_T11-2_0921a_draft1.pdf

IEEE_802d3_to_COBO_0921_draft1.pdf

IEEE_802d3_to_COBO_0921a_draft1.pdf

with editorial license granted to the Chair (or his appointed agent) as liaison

communication from the IEEE 802.3 Working Group to OIF, INCITS T11.2, and COBO.

M: Beth Kochuparambil   S: Kent Lusted

Technical (>= 75%)

Motion Passed by unanimous consent 30-Sept 2021, 14:57 UTC

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

Please see: https://www.ieee802.org/3/minutes/sep21/802d3cx_task_force_report_0921.pdf

MOTION #3

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

M: Steve Gorshe   S: Marek Hajduczenia

Technical (>= 75%)

Motion Passed by unanimous consent 30-Sept 2021, 15:07 UTC

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

MOTION #4

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

M: Ray Nering   S: Robert Lingle Jr.

Technical (>= 75%)

Motion Passed by unanimous consent 30-Sept 2021, 15:19 UTC

MOTION #5

Move that the IEEE 802.3 Working Group approve IEEE_802d3_to_T11-2_092721_draft1.pdf with editorial license granted to the Chair (or his appointed agent) as liaison communication from the IEEE 802.3 Working Group to INCITS T11.2

M: Robert Lingle   S: George Zimmerman

Technical (>= 75%)

Motion Passed by unanimous consent 30-Sept 2021, 15:23 UTC

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

MOTION #6

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

M: George Zimmerman   S: Steve Carlson

Technical (>= 75%)

Motion Passed by unanimous consent 30-Sept 2021, 15:30 UTC

IEEE 802.3 Power Delivery Coordinating Committee (PDCC) Ad Hoc – Chad Jones

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MOTION #7

Move that the IEEE 802.3 Working Group approve:
IEEE_802d3_to_IEC_TC64_TC108_0921_draft.pdf with editorial license granted to the Chair (or his appointed agent) as liaison communications from the IEEE 802.3 Working Group to IEC TC64 and IEC TC108

M: Chad Jones   S: George Zimmerman

Technical (>= 75%)

Motion Passed by unanimous consent 30-Sept 2021, 15:36 UTC

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

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MOTION #8

Move that the IEEE 802.3 Working Group approve:

• IEEE_802d3_to_IOWN_b400g_0921_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 IOWN.

M: John D'Ambrosia   S: Tom Issenhuth

Technical (>= 75%)

Motion Passed by unanimous consent 30-Sept 2021, 15:46 UTC

Mr. Law noted that the agenda had been exhausted and asked if there was other business for the Working Group, none responded.

MOTION #9

Adjourn the meeting

M: J. D'Ambrosia   S: B.Voss

Procedural (> 50%)

Motion Passed by unanimous consent 30-Sept 2021, 15:47 UTC

Mr. Law then adjourned the meeting.

Adjourned.

The list of participants for this meeting (including employers and affiliations) can be found at https://www.ieee802.org/3/minutes/sep21/802d3%20Sept%20interim%20attendance.pdf

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