

Approved Minutes
IEEE 802.3 Ethernet Working Group
Teleconference Interim Meeting
May 21, 2020

<http://www.ieee802.org/3/minutes/may20/index.html>

THURSDAY, 21 MAY 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 wished all participants well given the COVID-19 situation in the world and asked all participants to take special care during this time.

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 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 Optical PHYs Study Group: Bob Grow
- IEEE 802.3 10SPE Multidrop Enhancements Study Group: Chad Jones
- IEEE 802.3 100 Gb/s per Wavelength Short Reach PHYs Study Group: Robert Lingle Jr.

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 http://ieee802.org/3/minutes/may20/0520_802_3_interim.pdf#page=3.

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 gave the general minutes webpage for IEEE 802.3:

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

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

MOTION #1

Approve the agenda.

M: M. Nowell

S: B. Grow

Procedural (> 50%)

Motion Passed by unanimous consent 21-May 2020, 14:07 UTC

Call for patents

Please see http://iee802.org/3/minutes/may20/0520_802_3_interim.pdf#page=5.

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.

http://iee802.org/3/minutes/may20/0520_802_3_interim.pdf#page=10

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.

http://iee802.org/3/minutes/may20/0520_802_3_interim.pdf#page=13

Please also see http://iee802.org/3/minutes/may20/0520_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://iee802.org/3/rules/index.html> for complete information.

Review of voting membership

Please see http://www.iee802.org/3/minutes/mar20/0320_voters.pdf.

Mr. Law displayed a list of individuals that gained membership on 20th March 2020:

http://iee802.org/3/minutes/may20/0520_802_3_interim.pdf#page=18

Mr. Law displayed a list of Email ballots since 16th March 2020:

http://iee802.org/3/minutes/may20/0520_802_3_interim.pdf#page=20

LIAISONS

External Liaison letters (new)

Liaison from ETSI ISG F5G on formation of new ETSI ISG for the Fifth Generation Fixed Network (F5G)

http://iee802.org/3/minutes/may20/incoming/liaison_to_IEEE_802_3_on_formation_of_ETSI_ISG_F5G.pdf

MOTION #2

Move that 802.3 approve IEEE_802d3_to_ETSI_F5G_0520_draft_v2.pdf with editorial license granted to the Chair (or his appointed agent) as a liaison communication from the IEEE 802.3 Working Group to ETSI.

M: G. Zimmerman

S: K. Lusted

Technical ($\geq 75\%$)

Motion Passed by unanimous consent 21-May 2020

Liaison from ITU-T SG15 on bidirectional optics for access

<http://iee802.org/3/minutes/may20/incoming/SG15-LS259.pdf>

MOTION #3

Move that 802.3 approve IEEE_802d3_to_SG15_Bidi_0520_draft_v2.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.

M: F. Effenberger

S: K. Lusted

Technical ($\geq 75\%$)

Y: 97, N: 0, A: 5

Motion Passed 21-May 2020

OIF to IEEE 802.3 regarding progress on OIF CEI-112G-VSR and CEI-112G-LR projects

http://iee802.org/3/minutes/may20/incoming/0520_OIF_liaison_IEEE_CEI-112G-VSR_and_CEI-112G-LR_13Apr2020.pdf

MOTION #4

Move that 802.3 approve IEEE_802d3_to_OIF_0520_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 OIF.

M: M. Dudek

S: B. Kochuparambil

Technical ($\geq 75\%$)

Motion Passed by unanimous consent 21-May 2020

TASK FORCE AND STUDY GROUP REPORTS

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

Please see http://iee802.org/3/minutes/may20/0520_cp_open_report.pdf.

MOTION #5

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

M: F. Effenberger on behalf of the Task Force.

Technical ($\geq 75\%$)

Motion Passed by unanimous consent 21-May 2020

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

Please see http://iee802.org/3/minutes/may20/0520_cr_open_report_01a.pdf.

MOTION #6

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

M: J. Lewis

S: G. Zimmerman

Technical ($\geq 75\%$)

Y: 113, N: 0, A: 2

Motion Passed 21-May 2020

Due to technical difficulties with Mr. Law's audio Adam Healey continued the meeting.

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/may20/0520_3ct_update_report.pdf.

David Law resumed duties chairing the meeting.

MOTION #7

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

M: J. D'Ambrosia

S: T. Issenhuth

Procedural ($> 50\%$)

Motion Passed by unanimous consent 21-May 2020, 15:03 UTC

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://ieee802.org/3/minutes/may20/051920_cu_report.pdf.

MOTION #8

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 IEEE 802 SA ballot once the Working Group ballot process has been successfully completed.

M: M. Nowell

S: G. Nicholl

Technical ($\geq 75\%$)

Y: 114, N: 0, A: 2

Motion Passed 21-May 2020, 15:13 UTC

Any objection to moving to the next agenda item while Mr. Law

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

Please see

http://ieee802.org/3/minutes/may20/802d3cv_update_task_force_report_0520.pdf.

MOTION #9

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

M: C. Jones

S: D. Abramson

Technical ($\geq 75\%$)

Motion Passed by unanimous consent 21-May 2020, 15:18 UTC

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

Please see http://ieee802.org/3/minutes/may20/0520_B10GAUTO_report.pdf.

MOTION #10

Move that the IEEE 802.3 Working Group approve the IEEE P802.3cy objectives http://grouper.ieee.org/groups/802/3/B10GAUTO/B10GAUTO_OBJ_DRAFT_03_1119.pdf with modifications as detailed on slides 4 through 5 of 0520_B10GAUTO_report.pdf

M: N. Wienckowski

S: H. Sedarat

Technical ($\geq 75\%$)

Motion Passed by unanimous consent 21-May 2020, 15:25 UTC

MOTION #11

Move that the IEEE 802.3 Working Group approve the proposed IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet PHYs PAR <https://mentor.ieee.org/802-ec/dcn/20/ec-20-0008-01-00EC-ieee-p802-3cy-draft-par-response.pdf> with modifications as detailed on slides 7 through 11 of 0520_B10GAUTO_report.pdf.

M: H. Sedarat

S: G. Zimmerman

Technical ($\geq 75\%$)

Y: 112, N: 1, A: 3

Motion Passes 21-May 2020, 15:35 UTC

MOTION #12

Move that the IEEE 802.3 Working Group approve the IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet PHYs 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/20/ec-20-0009-00-00EC-ieee-p802-3cy-draft-csd-response.pdf> with modifications as detailed on slides 13 through 19 of 0520_B10GAUTO_report.pdf.

M: G. Zimmerman

S: N. Wienckowski

Technical ($\geq 75\%$)

Y: 109, N: 0, A: 1

Motion Passes 21-May 2020, 15:43 UTC

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

Please see http://ieee802.org/3/minutes/may20/0520_OMEGA_report%20.pdf.

MOTION #13

Move that the IEEE 802.3 Working Group approve the IEEE P802.3cz objectives, as per slides 4 through 6 of 0520_OMEGA_report.pdf.

M: R. Grow

S: C. Pardo

Technical ($\geq 75\%$)

Motion Passed by unanimous consent 21-May 2020, 15:45 UTC

MOTION #14

Approve the proposed IEEE P802.3cz Multi Gigabit Automotive Optical PHYs PAR <https://mentor.ieee.org/802-ec/dcn/20/ec-20-0010-01-00EC-ieee-p802-3cz-draft-par-response.pdf> with modifications as detailed in Slides 8 through 13 of 0520_OMEGA_report.pdf..

M: H. Sedarat

S: G. Zimmerman

Technical ($\geq 75\%$)

Y: 113; N: 0; A: 2

Motion Passes 21-May 2020, 15:52 UTC

MOTION #15

Approve the modified IEEE P802.3cz Multi Gigabit Automotive Optical PHYs 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/20/ec-20-0011-00-00EC-ieee-p802-3czdraft-csd-response.pdf> with modifications as detailed in Slides 15 through 20 of 0520_OMEGA_report.pdf.

M: B. Grow

S: M. Choudhury

Technical ($\geq 75\%$)

Y: 104; N: 1; A: 2

Motion Passes 21-May 2020, 15:58 UTC

IEEE 802.3 10SPE Multidrop Enhancements Study Group: Chad Jones

Please see

http://ieee802.org/3/minutes/may20/802d3_SPMD_update_study_group_report_0520a.pdf.

MOTION #16

Move that the IEEE 802.3 Working Group approve the IEEE P802.3da objectives http://www.ieee802.org/3/SPMD/spmd_objectives.pdf with modification as detailed on slide 5 of 802d3_SPMD_update_study_group_report_0520a.pdf

M: C. Jones

S: H. Stewart

Technical ($\geq 75\%$)

Motion Passed by unanimous consent 21-May 2020, 16:03 UTC

MOTION #17

Move that the IEEE 802.3 Working Group approve the IEEE P802.3da PAR <https://mentor.ieee.org/802-ec/dcn/20/ec-20-0012-01-00EC-ieee-p802-3da-draft-parresponse.pdf> with modification as detailed on slides 7 and 11 of 802d3_SPMD_update_study_group_report_0520a.pdf.

M: H. Sedarat

S: G. Zimmerman

Technical ($\geq 75\%$)

Y: 96; N: 0; A: 6

Motion Passes 21-May 2020, 16:13 UTC

MOTION #18

Move that the IEEE 802.3 Working Group approve the IEEE P802.3da 10SPE Multidrop Enhancements 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/20/ec-20-0013-00-00EC-ieee-p802-3da-draft-csdresponse.pdf> with modification as detailed on slide 16 of 802d3_SPMD_update_study_group_report_0520a.pdf.

M: B. Grow

S: M. Choudhury

Technical ($\geq 75\%$)

Y: 80; N: 2; A: 2

Motion Passes 21-May 2020, 16:19 UTC

IEEE 802.3 100 Gb/s per Wavelength Short Reach PHYs Study Group update report: Robert Lingle Jr.

Please see http://ieee802.org/3/minutes/may20/0520_100GSR_report.pdf.

MOTION #19

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

http://www.ieee802.org/3/100GSR/Objectives_Approved_by_100GSR_SG_Jan_2020.pdf

M: K. Lusted

S: J. Young

Technical ($\geq 75\%$)

Motion Passed by unanimous consent 21-May 2020, 16:22 UTC

MOTION #20

Move that the IEEE 802.3 Working Group approve the IEEE P802.3db 100 Gb/s

Wavelength Short Reach PHYs PAR <https://mentor.ieee.org/802-ec/dcn/20/ec-20-0014-00-00ECieee-p802-3db-draft-par-response.pdf>

M: F. Marques

S: D. Piehler

Technical ($\geq 75\%$)

Y: 88; N: 0; A: 1

Motion Passes 21-May 2020, 16:26 UTC

MOTION #21

Move that the IEEE 802.3 Working Group approve the IEEE P802.3db 100 Gb/s Wavelength Short Reach PHYs 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/20/ec-20-0015-00-00EC-ieee-p802-3dbdraft-csd-response.pdf> with modifications as detailed on slide 18 of 0520_100GSR_report.pdf.

M: R. Nering

S: M. Dudek

Technical ($\geq 75\%$)

Y: 85; N: 0; A: 2

Motion Passes 21-May 2020, 16:32 UTC

ADJOURN

No other items of business were presented.

MOTION #22

Move to adjourn.

M: R. Lingle

S: C. Jones

Procedural (> 50%)

Motion Passed by unanimous consent 16-Mar 2020, 16:34 UTC

Adjourned.

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

http://www.ieee802.org/3/minutes/may20/0520_attendance.pdf

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