

Approved Minutes
IEEE 802.3 Ethernet Working Group plenary
San Diego, CA, USA
July 25 to 28, 2016

<http://www.ieee802.org/3/minutes/jul16/index.html>

MONDAY, 25 JULY, 2016

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 10:02 am. 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. This included the following officers of the IEEE 802.3 Working Group:

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 P802.3bn EPON Protocol over Coax (EPoC): Mark Laubach
- IEEE P802.3bp 1000BASE-T1 PHY: Steve Carlson
- IEEE P802.3bq 25G/40GBASE-T: David Chalupsky
- IEEE P802.3br Interspersing Express Traffic: Ludwig Winkel
- IEEE P802.3bs 400 Gb/s Ethernet: John D'Ambrosia
- IEEE P802.3bt DTE Power via MDI over 4-Pair: Chad Jones
- IEEE P802.3bu 1-Pair Power over Data Lines (PoDL): Dan Dove
- IEEE P802.3bv Gigabit Ethernet Over Plastic Optical Fiber: Bob Grow
- IEEE P802.3by 25 Gb/s Ethernet: Mark Nowell
- IEEE P802.3bz 2.5G/5GBASE-T: David Chalupsky
- 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 and Copper Cables: Dan Smith
- IEEE P802.3cc 25 Gb/s Ethernet PMD(s) over single-mode fiber: David Lewis
- IEEE P802.3cd 50Gb/s, 100 Gb/s, and 200 Gb/s Ethernet: Mark Nowell

IEEE 802.3 Study Group chairs

- IEEE 802.3 Ethernet YANG models Study Group: Yan Zhuang

Working Group Decorum

Mr. Law introduced the Working Group decorum as described in the opening report. Please see http://www.ieee802.org/3/minutes/jul16/0716_802_3_opening_plenary.pdf.

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.

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 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: C. Jones

S: D. Remein

Procedural (> 50%)

Passed by voice vote without opposition 25-July 2016, 10:16 am

Approval of March 2016 and May 2016 minutes

Please see http://www.ieee802.org/3/minutes/mar16/0316_minutes_draft.pdf and http://www.ieee802.org/3/minutes/may16/0516_minutes_draft.pdf.

Mr. Law asked if there were any additions or corrections to the March 2016 minutes which were posted on 29 March 2016. Mr. Law also asked if there were any additions or corrections to the May 2016 minutes which were posted on 29 May 2016.

MOTION #2

Approve March 2016 plenary meeting minutes and the May 2016 interim meeting minutes.

M: J. Goergen

S: C. Jones

Procedural (> 50%)

Passed by voice vote without opposition 25-July 2016, 10:17 am

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.

Please also see

http://www.ieee802.org/3/minutes/jul16/0716_802_3_opening_plenary.pdf.

General Working Group business

Working Group activities since the March 2016 meeting

Please see http://www.ieee802.org/3/minutes/jul16/0716_802_3_opening_plenary.pdf.

14th April 2016, Santa Clara, CA, USA

- IEEE P802.3bp 1000BASE-T1 Task Force
- Hosted by Marvell

14th April 2016, Santa Clara, CA, USA

- IEEE P802.3bq 25G/40GBASE-T Task Force
- IEEE P802.3bz 2.5G/5GBASE-T Task Force
- Hosted by Intel

23rd to 27th May 2016, Whistler, BC, Canada

- IEEE 802.3 interim meeting series
- Hosted by Ethernet Alliance

21st June, Santa Clara, CA, USA

- IEEE P802.3bn EPON Protocol over Coax Task Force
- Hosted by Huawei

27th June 2016, Mountain View, CA, USA

- IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane and copper cables Task Force
- Hosted by Synopsys

27th June 2016, Santa Clara, CA, USA

- IEEE P802.3bz 2.5G/5GBASE-T Task Force

- Hosted by Intel

27th June 2016, Piscataway, NJ, USA

- IEEE P802.3bs 200 Gb/s and 400 Gb/s Ethernet Task Force
- Hosted by IEEE-SA

28th June 2016, Madrid, Spain

- IEEE P802.3bv Gigabit Ethernet over plastic optical fiber Task Force
- Hosted by KDPOF

Mr. Law 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. 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.

Mr. Anslow 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. Anslow noted that a presentation giving details of the attendance procedure is available at: http://ieee802.org/3/minutes/jul16/0716_imat.pdf.

Review of voting membership

Please see http://www.ieee802.org/3/minutes/jul16/0716_voters.pdf.

Review of voters in peril

Please see http://www.ieee802.org/3/minutes/jul16/0716_peril.pdf.

Mr. Law 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/jul16/0716_potential.pdf.

Mr. Law went through the Potential Voters list. Mr. Anslow recorded the respondents:

Ahmed, Mohammad

Calbone, Anthony

Cole, Christopher R.

Dawson, Fred
Donahue, Curtis
Gauthier, Claude
Gong, Zhigang
Kareti, Upen
Knittle, Curtis

Li, Mike Peng
Lim, Jane
Liu, Dekun
Matsuda, Naoki
Palkert, Tom
Pham, Phong

Shariff, Masood
Stewart, Heath
Ulrichs, Ed
Umnov, Alexander
Xu, Dayin

Mr. Law 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/jul16/0716_treasury.pdf.

IEEE 802 Executive Committee report

Please see http://www.ieee802.org/3/minutes/jul16/0716_802_3_opening_plenary.pdf.

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/jul16/0716_802_3_opening_plenary.pdf.

LIAISONS

External Liaison letters (new)

TIA TR-42: Enhanced Return Loss for Array Plugs and Receptacles [liaison letter](#)

Mr. Law appointed the P802.3bs Task Force to review the letter and generate a response, if appropriate, for consideration at the closing plenary.

ITU-T SG15: Generation of YANG modules from Transport Technology UML information models [liaison letter](#) and [attachments](#)

Mr. Law appointed the IEEE 802.3 YANG Data Model(s) Study Group to review the letter and generate a response, if appropriate, for consideration at the closing plenary.

External Liaison letters (new, information item)

OIF: Progress on OIF CEI-56G Projects [liaison letter](#) and [attachments](#)

Mr. Law noted that this letter was addressed to the P802.3bs and P802.3cd Task Forces and copied to the 802.3 Working Group.

TIA TR42: Liaison letter to IEEE 802.3bt Task Force re TSB-184-A Draft 7.1 [liaison letter](#) and [attachment](#)

Mr. Law noted that this letter was addressed to the P802.3bt Task Force and copied to the 802.3 Working Group.

TIA TR42: Liaison letter to IEEE 802.3bz Task Force re TSB-5021 Draft 1.1 [liaison letter](#) and [attachment](#)

Mr. Law noted that this letter was addressed to the P802.3bz Task Force and copied to the 802.3 Working Group.

External Liaison reports

TIA TR-42 report – Valerie Maguire

Please see

http://www.ieee802.org/3/minutes/jul16/0716_TIA_TR-42_report_to_802d3.pdf.

SCC-18 NFPA70/NEC report – Joel Goergen

Please see

http://www.ieee802.org/3/minutes/jul16/0716_SCC18_report_to_802d3.pdf.

Mr. Law asked Mr. Goergen to chair an Ad Hoc to discuss the issues outlined on page 7 of http://www.ieee802.org/3/minutes/jul16/0716_SCC18_report_to_802d3.pdf.

Award

Mr. Healey noted that Mr. Law has been recognized by receiving the [Charles Proteus Steinmetz Award](#). There was a round of applause.

IEEE 802.3 Maintenance – Adam Healey

Please see http://ieee802.org/3/minutes/jul16/0716_maint_open_report.pdf.

Mr. Healey also reviewed the state of the IEEE 802.3 standard. Please see: http://ieee802.org/3/minutes/jul16/0716_state_of_std.pdf.

TASK FORCE AND STUDY GROUP REPORTS

IEEE P802.3bn EPON Protocol over Coax (EPoC) Task Force –Mark Laubach

Please see http://ieee802.org/3/minutes/jul16/0716_bn_open_report.pdf.

IEEE 802.3bp 1000BASE-T1 PHY Task Force – Steve Carlson

Please see http://ieee802.org/3/minutes/jul16/0716_bp_open_report.pdf.

IEEE P802.3bq 25G/40GBASE-T Task Force – Dave Chalupsky

Please see http://ieee802.org/3/minutes/jul16/0716_bq_open_report.pdf.

IEEE P802.3br Interspersing Express Traffic Task Force – Ludwig Winkel

Please see http://ieee802.org/3/minutes/jul16/0716_br_open_report.pdf.

IEEE P802.3bs 400 Gb/s Ethernet Task Force – John D’Ambrosia

Please see http://ieee802.org/3/minutes/jul16/0716_bs_open_report.pdf.

IEEE P802.3bt DTE Power via MDI over 4-Pair Task Force – Chad Jones

Please see http://ieee802.org/3/minutes/jul16/0716_bt_open_report.pdf.

IEEE P802.3bu 1-Pair Power over Data Lines (PoDL) Task Force – Dan Dove

Please see http://ieee802.org/3/minutes/jul16/0716_bu_open_report.pdf.

IEEE P802.3bv Gigabit Ethernet Over Plastic Optical Fiber Task Force – Bob Grow

Please see http://ieee802.org/3/minutes/jul16/0716_bv_open_report.pdf.

IEEE P802.3by 25 Gb/s Ethernet Task Force – Mark Nowell

Please see http://ieee802.org/3/minutes/jul16/0716_by_open_report.pdf.

IEEE P802.3bz 2.5G/5GBASE-T Task Force – Dave Chalupsky

Please see http://ieee802.org/3/minutes/jul16/0716_bz_open_report.pdf.

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/jul16/0716_ca_open_report.pdf.

IEEE P802.3cb 2.5Gb/s and 5 Gb/s Backplane and Copper Cables Task Force – Dan Smith

Please see http://ieee802.org/3/minutes/jul16/0716_cb_open_report.pdf.

IEEE P802.3cc 25 Gb/s Ethernet over single-mode fiber Task Force – David Lewis

Please see http://ieee802.org/3/minutes/jul16/0716_cc_open_report.pdf.

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/jul16/0716_cd_open_report.pdf.

IEEE 802.3 YANG Data model(s) Study Group – Yan Zhuang

Please see http://ieee802.org/3/minutes/jul16/0716 YANG_open_report.pdf.

IEEE 802.3 Next Generation Enterprise/Campus/Data Center Ethernet Industry Connection Ad Hoc – John D’Ambrosia

Please see http://ieee802.org/3/minutes/jul16/0716_NG_ECDC_open_report.pdf.

CALL FOR INTEREST

IEEE 802.3 10 Mb/s Extended Reach Single Twisted Pair Ethernet PHY Call for Interest – Ludwig Winkel

Please see http://ieee802.org/3/minutes/jul16/0716_10M_ER_open_report.pdf.

ROOM ASSIGNMENTS, AND SUBGROUP SCHEDULES

Mr. Carlson provided details of the rooms for the Ad Hoc and noted that the room assignments were available via the 802.3 web page.

Mr. Carlson also reviewed a presentation on the social event. Please see http://iee802.org/3/minutes/jul16/0716_social_event.pdf.

ADJOURN

No other items of business were presented. Meeting adjourned at 12:11 pm.

Approved Minutes
IEEE 802.3 Ethernet Working Group plenary
San Diego, CA, USA
July 25 to 28, 2016

<http://www.ieee802.org/3/minutes/jul16/index.html>

THURSDAY, 28 JULY, 2016

Minutes were taken by 802.3 Recording Secretary Pete Anslow.

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 showed a list of the officers of the Working Group. Please see http://www.ieee802.org/3/minutes/jul16/0716_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/jul16/0716_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. Law asked if there were any additions to the draft agenda. There was no response.

MOTION #1

Motion to approve the agenda.

M: S. Trowbridge

S: B. Grow

Procedural (> 50%)

Passed by voice vote without opposition 28-July 2016, 1:11 pm

Call for patents

Please see <http://standards.ieee.org/board/pat/pat-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. Anslow 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/jul16/0716_802_3_closing_plenary.pdf.

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/jul16/0716_voters.pdf.

Review of voters in peril

Please see http://www.ieee802.org/3/minutes/jul16/0716_peril.pdf.

Request for membership

Please see http://www.ieee802.org/3/minutes/jul16/0716_potential.pdf.

Mr. Law went through the Potential Voters list. Mr. Anslow recorded the respondents:

Abbott, Justin

Fife, James

Koehler, Daniel

Bullock, Chris

Jackson, Kenneth

Liu, Hai-Feng

McMillan, Larry

Sone, Yoshiaki

Wang, Tongtong

Nicholl, Gary

Walker, Dylan

IEEE 802 Executive Committee items

Please see http://www.ieee802.org/3/minutes/jul16/0716_802_3_closing_plenary.pdf.

Mr. Law reviewed Executive Committee activities during the week.

IEEE SCC-18 Ad Hoc

Mr. Goergen reviewed the five draft liaison letters created by the Ad Hoc. During this review, several issues were identified with the draft text. As Mr. Law wished to take an active part in this discussion, he asked Mr. Healey to chair this part of the meeting.

After the sections of text in need of modification had been identified, it was agreed to suspend consideration of this agenda item until approximately 4:00 pm to allow time for suitable text changes to be drafted.

At this point Mr. Law resumed as chair of the meeting.

External liaison letters (new)

TIA TR-42: Enhanced Return Loss for Array Plugs and Receptacles liaison letter

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

ITU-T SG15: Generation of YANG modules from Transport Technology UML information models liaison letter

Mr. Law noted that this item would be covered as part of the IEEE 802.3 YANG Data Model(s) Study Group closing plenary report.

Future meetings – Steve Carlson

Mr. Carlson reviewed the details of upcoming meetings.

Mr. Zimmerman provided the details of a hosting offer for January 2017. Please see http://www.ieee802.org/3/minutes/jul16/0716_CME_offer_to_host_jan_2017.pdf.

MOTION #2

Move that IEEE 802.3 accept the CME Consulting offer for the January 2017 interim as detailed in 0716_CME_offer_to_host_jan_2017.pdf.

M: G. Zimmerman

S: P. Jones

Procedural (>50%)

Passed by voice without opposition 28-July 2016, 2:08 pm

REPORTS

IEEE 802.3 Maintenance – Adam Healey

Please see http://ieee802.org/3/minutes/jul16/0716_maint_close_report.pdf.

Mr. Law recognized Mr. Healey for his contribution to the revision of IEEE Std 802.3 (IEEE 802.3bx).

Mr. Healey in turn recognized several other 802.3 WG members for their contributions to the IEEE 802.3bx revision project.

Mr. Healey reviewed the proposed liaison to ISO/IEC JTC 1/SC 6. Please see: http://ieee802.org/3/minutes/jul16/outgoing/IEEE_802d3_to_ISOIEC_JTC1_SC6_0716_draft.pdf

MOTION #3

Approve IEEE_802d3_to_ISOIEC_JTC1_SC6_0716_draft.pdf with editorial license granted to the Chair (or his appointed agent) as liaison communication from the IEEE 802.3 Working Group to ISO/IEC JTC 1/SC 6.

M: A. Healey

S: V. Maguire

Technical ($\geq 75\%$)

Y: 129, N: 0, A: 4

Passed 28-July 2016, 2:30 pm

Mr. Healey noted that no changes had been made to the IEEE P802.3-2015/Cor 1 draft with respect to the preview version.

MOTION #4

Move that the IEEE 802.3 Working Group progress the IEEE P802.3-2015/Cor 1 draft to Working Group ballot.

M: A. Healey on behalf of the Task Force

Technical ($\geq 75\%$)

Passed by voice without opposition 28-July 2016, 2:32 pm

IEEE P802.3bn EPON Protocol over Coax (EPoC) Task Force – Mark Laubach

Please see http://ieee802.org/3/minutes/jul16/0716_bn_close_report.pdf.

Mr. Laubach presented the status of the ballots on the P802.3bn draft.

MOTION #5

Move that the IEEE 802.3 Working Group re-affirm the CSD (grandfathered 5C) responses in <http://www.ieee802.org/3/bn/5Criteria.pdf> and request approval to submit the IEEE P802.3bn draft D3.2 to RevCom.

M: M. Laubach on behalf of the Task Force

Technical ($\geq 75\%$)

Y: 136, N: 0, A: 1

Passed 28-July 2016, 2:28 pm

IEEE P802.3bs 400 Gb/s Ethernet Task Force – John D’Ambrosia

Please see http://ieee802.org/3/minutes/jul16/0716_bs_close_report.pdf.

Mr. D’Ambrosia presented the changes that had been made to the P802.3bs draft with respect to the preview version.

MOTION #6

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

M: J. D’Ambrosia

S: P. Anslow

Technical ($\geq 75\%$)

Passed by voice vote without opposition 28-July 2016, 2:46 pm

Mr. D’Ambrosia presented the proposed liaison response to ITU-T SG15. Please see: http://ieee802.org/3/minutes/jul16/outgoing/IEEE_802d3_to_ITU_SG15_0716_draft.pdf.

Mr. D’Ambrosia presented the proposed liaison response to TIA TR-42. Please see: http://ieee802.org/3/minutes/jul16/outgoing/IEEE_802d3_to_TIA_0716_draft.pdf.

MOTION #7

Move that the IEEE P802.3bs Task Force approve with editorial license granted to the IEEE 802.3 WG Chair (or his appointed agent)

IEEE_802d3_to_ITU_SG15_0716_draft

IEEE_802d3_to_TIA_0716_draft

M: J. D’Ambrosia

S: P. Anslow

Procedural ($> 50\%$)

Y: 128, N: 0, A: 2

Passed 28-July 2016, 2:54 pm

Break at approximately 2:56 pm. Restarted at approximately 3:16 pm.

IEEE P802.3bt DTE Power via MDI over 4-Pair Task Force – Chad Jones

Please see http://ieee802.org/3/minutes/jul16/0716_bt_close_report.pdf.

Mr. Jones presented the changes that had been made to the P802.3bt draft with respect to the preview version.

MOTION #8

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

M: C. Jones

S: L. Yseboodt

Technical ($\geq 75\%$)

Passed by voice vote without opposition 28-July 2016, 3:25 pm

IEEE P802.3bu 1-Pair Power over Data Lines (PoDL) Task Force – Dan Dove

Please see http://ieee802.org/3/minutes/jul16/0716_bu_close_report.pdf.

IEEE P802.3bv Gigabit Ethernet Over Plastic Optical Fiber Task Force – Bob Grow

Please see http://ieee802.org/3/minutes/jul16/0716_bv_close_report.pdf.

Mr. Grow presented an overview of the unsatisfied comments on the P802.3bv draft, which was followed by a discussion on some of the issues raised in the unsatisfied comments.

Mr. Perez De Aranda Alonso undertook to provide measurement results to validate the transmitter distortion parameters in the draft as requested by comment 118 against P802.3bv D2.0.

MOTION #9

Move that the IEEE 802.3 Working Group re-affirm the CSD responses in http://www.ieee802.org/3/bv/CSD_GEPOF_1114.pdf and request approval to progress the IEEE P802.3bv draft to IEEE 802 LMSC sponsor ballot.

M: B. Grow on behalf of the Task Force

Technical ($\geq 75\%$)

Y: 65, N: 1, A: 55

Passed 28-July 2016, 4:14 pm

IEEE SCC-18 Ad Hoc

At this point, the IEEE SCC-18 agenda item was resumed and changes were made to the draft liaisons. Please see:

http://www.ieee802.org/3/minutes/jul16/outgoing/IEEE_802d3_to_EA_0716_draft.pdf

http://www.ieee802.org/3/minutes/jul16/outgoing/IEEE_802d3_to_ISOIEC_SC25_WG3_0716_draft.pdf

http://www.ieee802.org/3/minutes/jul16/outgoing/IEEE_802d3_to_NFPA_0716_draft.pdf

http://www.ieee802.org/3/minutes/jul16/outgoing/IEEE_802d3_to_IEC_TC64_0716_draft.pdf

http://www.ieee802.org/3/minutes/jul16/outgoing/IEEE_802d3_to_TIA_on_POE_0716_draft.pdf

MOTION #10

Motion: Move that the IEEE 802.3 Working Group approve:

IEEE_802d3_to_EA_0716_draft.pdf

IEEE_802d3_to_ISOIEC_SC25_WG3_0716_draft.pdf

IEEE_802d3_to_NFPA_0716_draft.pdf

IEEE_802d3_to_IEC_TC64_0716_draft.pdf

IEEE_802d3_to_TIA_on_POE_0716_draft

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

M: J. Goergen

S: S. Carlson

Technical ($\geq 75\%$)

Passed by voice without opposition 28-July 2016, 4:25 pm

IEEE P802.3bw 100BASE-T1 Task Force – Steve Carlson

Please see http://ieee802.org/3/minutes/jul16/0716_bw_close_report.pdf.

Mr. Law recognized Mr. Carlson for his contribution to the development of IEEE Std 802.3bw-2015.

Mr. Carlson in turn recognized several other 802.3 WG members for their contributions to the IEEE P802.3bw project.

IEEE P802.3bz 2.5G/5GBASE-T Task Force – Dave Chalupsky

Please see http://ieee802.org/3/minutes/jul16/0716_bz_close_report.pdf.

Mr. Chalupsky presented the status of the ballots on the P802.3bz draft.

MOTION #11

Move that the IEEE 802.3 Working Group re-affirm the CSD responses in http://www.ieee802.org/3/bz/802d3_NGEABT_CSD_802.3_WG_approved_12-march-15.pdf and request conditional approval to progress the IEEE P802.3bz draft to RevCom once the Sponsor ballot process has been successfully completed.

M: David Chalupsky on behalf of the Task Force

Technical ($\geq 75\%$)

Y: 109, N: 0, A: 1

Passed 28-July 2016, 4:43 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/jul16/0716_ca_close_report.pdf.

IEEE P802.3cb 2.5Gb/s and 5 Gb/s Backplane and Copper Cables Task Force – Dan Smith

Please see http://ieee802.org/3/minutes/jul16/0716_cb_close_report.pdf

Mr. Smith presented the IEEE P802.3cb 2.5 Gb/s & 5 Gb/s Backplane and Cable Task Force proposed PAR changes.

MOTION #12

Move that the IEEE 802.3 Working Group approve the IEEE P802.3cb PAR revision: (http://www.ieee802.org/3/cb/P802_3cb_PAR_modification_072716.pdf)

M: D. Smith

S: L. McMillan

Technical ($\geq 75\%$)

Y: 102, N: 0, A: 1

Passed 28-July 2016, 4:55 pm

Mr. Smith presented the IEEE P802.3cb 2.5 Gb/s & 5 Gb/s Backplane and Cable Task Force proposed CSD changes.

MOTION #13

Move that the IEEE 802.3 Working Group approve the IEEE P802.3cb CSD revision:
(http://www.ieee802.org/3/cb/P802_3cb_CSD_modification_0727616.pdf)

M: A. Calbone

S: C. Donahue

Technical ($\geq 75\%$)

Y: 104, N: 0, A: 1

Passed 28-July 2016, 4:58 pm

Mr. Smith presented the changes that had been made to the P802.3cb draft with respect to the preview version.

MOTION #14

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

M: D. Smith

S: L. McMillan

Technical ($\geq 75\%$)

Passed by voice vote without opposition 28-July 2016, 5:00 pm

IEEE P802.3cc 25 Gb/s Ethernet over single-mode fiber Task Force – David Lewis

Please see http://ieee802.org/3/minutes/jul16/0716_cc_close_report.pdf

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/jul16/0716_cd_close_report.pdf

Mr. Nowell presented the IEEE P802.3cd 50 Gb/s, 100 Gb/s, and 200 Gb/s Ethernet Task Force proposed objective modifications, which was followed by a discussion on the new objectives.

MOTION #15

Move that the IEEE 802.3 Working Group approve the IEEE P802.3cd 50 Gb/s, 100 Gb/s and 200 Gb/s Ethernet Task Force objectives, as per 0716_cd_close_report.pdf

M: M. Nowell

S: K. Lusted

Technical ($\geq 75\%$)

Y: 26, N: 28, A: 48

Motion failed 28-July 2016, 5:47 pm

At this point Mr. Dudek made the following motion.

MOTION #16

Move that the IEEE 802.3 Working Group approve the IEEE P802.3cd 50 Gb/s, 100 Gb/s and 200 Gb/s Ethernet Task Force objective:

Define a two-lane 100 Gb/s PHY for operation over SMF with lengths up to at least 500m

M: M. Dudek

S: A. Ran

Technical ($\geq 75\%$)

Passed by voice vote without opposition 28-July 2016, 5:54 pm

IEEE 802.3 YANG Data model(s) Study Group – Yan Zhuang

Please see [http://ieee802.org/3/minutes/jul16/0716 YANG close report.pdf](http://ieee802.org/3/minutes/jul16/0716_YANG_close_report.pdf).

Ms. Zhuang presented the IEEE P802.3cf IEEE 802.3 YANG data models proposed objectives.

MOTION #17

Move that 802.3 approve the IEEE P802.3.2 (P802.3cf) YANG Data Model(s) objectives, as per

http://www.ieee802.org/3/YANG/public/july16/YANG_SG_draft_objectives_v1.6.pptx

M: Y. Zhuang

S: P. Jones

Technical ($\geq 75\%$)

Passed by voice without opposition 28-July 2016, 5:58 pm

Ms. Zhuang presented the IEEE P802.3cf IEEE 802.3 YANG data models proposed PAR.

MOTION #18

Move that 802.3 approve the IEEE P802.3.2 (P802.3cf) YANG Data Model(s) PAR, in <http://www.ieee802.org/3/YANG/public/july16/P802-3cf-par-270716.pdf>

M: Y. Zhuang

S: P. Jones

Technical ($\geq 75\%$)

Y: 73, N: 0, A: 5

Passed 28-July 2016, 6:01 pm

Ms. Zhuang presented the IEEE P802.3cf IEEE 802.3 YANG data models proposed CSD responses.

MOTION #19

Move that 802.3 approve the IEEE P802.3.2 (P802.3cf) YANG Data Model(s) CSD “Managed Objects”, “Coexistence”, “Broad Market Potential”, “Compatibility”, “Distinct Identity”, “Technical Feasibility”, and “Economic Feasibility” responses, as per 0716_YANG_close_report.pdf

M: Y. Zhuang

S: P. Jones

Technical ($\geq 75\%$)

Y: 80, N: 0, A: 2

Passed 28-July 2016, 6:05 pm

MOTION #20

Move that the IEEE 802.3 Working Group request the extension of the YANG Data Model(s) Study Group.

M: Y. Zhuang

S: P. Jones

>50%

Y: 82, N: 0, A: 0

Passed 28-July 2016, 6:07 pm

Ms. Zhuang reviewed the proposed liaison to ITU-T SG15. Please see:

http://www.ieee802.org/3/minutes/jul16/outgoing/IEEE_802d3_to_ITU_SG15_YANG_0716_draft.pdf

Minor changes were made to the draft liaison.

MOTION #21

Approve IEEE_802d3_to_ITU_SG15_YANG_0716_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 Study Group 15

M: Y. Zhuang

S: P. Jones

Technical ($\geq 75\%$)

Y: 87, N: 0, A: 0

Passed 28-July 2016, 6:11 pm

Mr. Law announced that should the Task Force be approved, he will appoint Ms. Zhuang to be chair of the Task Force.

IEEE 802.3 Next Generation Enterprise/Campus/Data Center Ethernet Industry Connection Ad Hoc – John D’Ambrosia

Please see http://ieee802.org/3/minutes/jul16/0716_NG_ECDC_close_report.pdf.

Mr. D’Ambrosia asked if there was any objection in principle to widening the scope of the Ad Hoc. There was no objection.

CALL FOR INTEREST

IEEE 802.3 10Mb/s Extended Reach Single Twisted Pair Ethernet PHY – Ludwig Winkel

Please see http://ieee802.org/3/minutes/jul16/0716_10M_ER_close_report.pdf.

Mr. Zimmerman presented the results of the consensus meeting.

MOTION #22

Move that the IEEE 802.3 Working Group request the formation of a Study Group to develop a Project Authorization Request (PAR) and Criteria for Standards Development (CSD) responses for 10Mb/s Single Twisted Pair Ethernet including optional power.

M: L. Winkel

S: M. McCarthy

> 50%

Y: 81, N: 0, A: 2

Passed 28-July 2016, 6:20 pm

Mr. Law announced that, should the Study Group be approved, he will appoint Mr. Zimmerman to be chair of the Study Group.

OTHER BUSINESS

No further business was discussed.

ADJOURN

MOTION #23

Move to adjourn.

M: J. D’Ambrosia

S: D. Remein

Procedural (> 50%)

Passed by voice vote without opposition 28-July 2016, 6:23 pm

Adjourned.

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

http://ieee802.org/3/minutes/jul16/0716_attendance_san_diego.pdf

The next meeting of the IEEE 802.3 Working Group will be on Thursday 15th September 2016, at the Hilton Fort Worth, Fort Worth, TX, USA.