

Approved Minutes
IEEE 802.3 Ethernet Working Group plenary
Waikoloa HI, USA
July 13 to 16, 2015

<http://www.ieee802.org/3/minutes/jul15/index.html>

MONDAY, JULY 13, 2015

Minutes were taken by 802.3 Recording Secretary Pete Anslow.

ADMINISTRATIVE MATTERS

Call to order

Mr. Adam Healey, Vice-Chair of the IEEE 802.3 Ethernet Working Group, called the meeting to order at 10:02 am on behalf of Mr. David Law, Chair of the IEEE 802.3 Ethernet Working Group who was temporarily unavailable.

Welcome, introductions, and general announcements

Mr. Healey 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 P802.3bm 40Gb/s and 100 Gb/s Fiber Optic: Dan Dove
- IEEE P802.3bn EPON Protocol over Coax (EPoC): Mark Laubach
- IEEE P802.3bp 1000BASE-T1 PHY: Steve Carlson
- IEEE P802.3bq 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): Dave Dwelley
- IEEE P802.3bv Gigabit Ethernet Over Plastic Optical Fiber: Bob Grow
- IEEE P802.3by 25 Gb/s Ethernet: Mark Nowell
- IEEE P802.3bz 2.5/5GBASE-T Task Force: David Chalupsky

IEEE 802.3 Study Group chairs

- IEEE 802.3 25GBASE-T Study Group: David Chalupsky

Mr. Healey announced that the meeting had quorum as it was being held in conjunction with a plenary session.

Working Group Decorum

Mr. Healey introduced the Working Group decorum as described in the opening report. Please see http://www.ieee802.org/3/minutes/jul15/0715_802_3_opening_plenary.pdf.

Mr. Healey asked if anyone was attending from the press including those who would run a public blog on this meeting. There was no response.

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

Mr. Healey noted that participants are required to register for this meeting and pay the meeting fee. Mr. Healey also noted that participants must wear their badges in public areas at all times.

Review and approval of agenda

Mr. Healey noted that a soft copy of the draft agenda had been posted to the minutes section for this meeting. Mr. Healey gave the general minutes webpage for IEEE 802.3:

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

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

MOTION #1

Approve the agenda.

M: B. Grow

S: M. Hajduczenia

Procedural (> 50%)

Passed by voice vote without opposition 13-July 2015, 10:14 am

Approval of March 2015 minutes

Please see http://www.ieee802.org/3/minutes/mar15/0315_minutes.pdf.

Mr. Healey asked if there were any additions or corrections to the March 2015 minutes.

Mr. Healey noted that the minutes were posted on 30 March 2015.

MOTION #2

Approve March 2015 Plenary meeting minutes.

M: K. Lusted

S: B. Booth

Procedural (> 50%)

Passed by voice vote without opposition 13-July 2015, 10:16 am

Call for patents

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

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

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

Mr. Healey 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. Healey 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/jul15/0715_802_3_opening_plenary.pdf.

General Working Group business

Working Group activities since the March 2015 meeting

Please see http://www.ieee802.org/3/minutes/jul15/0715_802_3_opening_plenary.pdf.

9th April 2015, Irvine, CA, USA.

- IEEE 802.3bw interim meeting

18th through 22nd May 2015, Pittsburgh, PA, USA.

- IEEE 802.3 interim meeting series

16th through 19th June 2015, Manchester, NH, USA

- IEEE P802.3bt DTE Power via MDI over 4-Pair Task Force
- IEEE P802.3bu 1-Pair Power over Data Lines (PoDL) Task Force

Mr. Healey expressed his thanks to Broadcom, Ethernet Alliance, and Texas Instruments for hosting the Irvine, Pittsburgh, and Manchester interim meetings, respectively. There was a round of applause.

Attendance procedures, tool, books and address/e-mail list maintenance

Mr. Healey 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.

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://iee802.org/3/minutes/jul15/0715_imat.pdf

Review of voting membership

Please see http://www.ieee802.org/3/minutes/jul15/0715_voters.pdf.

Review of voters in peril

Please see http://www.ieee802.org/3/minutes/jul15/0715_peril.pdf.

Mr. Healey 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/jul15/0715_potential.pdf.

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

Chuang, Keng Hua	Kareti, Upen	Pan, Hui
Duer, Nick	Kawahara, Keisuke	Rossbach, Martin
Effenberger, Frank	Lane, Brett	Wang, Roy
Jones, Peter	Lapak, Jeff	White, Martin
Kagami, Manabu	Lewis, Jon	Yu, Ting-Fa

IEEE 802.3 Treasurer's report – Valerie Maguire

Please see http://iee802.org/3/minutes/jul15/0715_treasury.pdf.

Mr. Healey requested that the EC report be deferred to later in the meeting when Mr. Law would be available. There was no objection.

Other 802 PARs under consideration this week (comments due by 18:30 Tuesday)

Please see http://www.ieee802.org/3/minutes/jul15/0715_agenda_open.pdf.

New standard project PARs

- IEEE P802.1[] Recommended Practice for Privacy Considerations for IEEE 802 Technologies [PAR](#) and [CSD](#)
- IEEE P802.1CM Time-Sensitive Networking for Fronthaul [PAR](#) and [CSD](#)

Amendment project PARs

- IEEE P802.1Qcl Bridges and Bridged Networks Amendment: YANG Data Model [PAR](#) and [CSD](#)
- IEEE P802.1Qcn Bridges and Bridged Networks Amendment: Virtual Station Interface (VSI) Discovery and Configuration Protocol (VDP) extension to Support Network Virtualization Overlays (NVO3) [PAR](#) and [CSD](#)

- IEEE P802.1Xck Port-Based Network Access Control Amendment: YANG Data Model [PAR](#) and [CSD](#)
- IEEE P802.11az Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications Amendment: Positioning Enhancements [PAR](#) and [CSD](#)
- IEEE P802.19.1a TV White Space Coexistence Methods Amendment: Coexistence Methods for geo-location capable devices operating under general authorization [PAR](#) and [CSD](#)

Revision project PAR

- IEEE P802.15.3 Standard for High Data Rate Wireless Networks [PAR](#) and [CSD](#)

PAR modification request

- IEEE P802.15.9 Recommended Practice for Transport of Key Management Protocol (KMP) Datagrams. [PAR Modification request](#) and [updated 5C](#)

Mr. Healey announced that Mr. Carlson had kindly offered to chair an Ad Hoc to review these PARs and submit comments on behalf of the Working Group. Mr. Grow noted that he had provided draft comments on some of the proposed PARs in:

http://www.ieee802.org/3/email_dialog/msg00326.html

LIAISONS

External Liaison reports

ISO/IEC SC25/WG3 report – Alan Flatman

Please see

http://www.ieee802.org/3/minutes/jul15/0715_SC25_WG3_report_to_802d3.pdf.

At this point, Mr. Law took over as the chair of the meeting.

TIA TR-42 report – Valerie Maguire

Please see

http://www.ieee802.org/3/minutes/jul15/0715_TIA_TR-42_report_to_802d3.pdf.

IEEE 802 Executive Committee report

Please see http://www.ieee802.org/3/minutes/jul15/0715_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/jul15/0715_802_3_opening_plenary.pdf.

External Liaison letters (new)

COBO: Announcement of the Formation of Consortium for On-Board Optics (COBO)
[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.

IEC SC48B: Status of IEC 60603-7-81 Ed. 1 and IEC 60603-7-82 Ed.1 [liaison letter](#)

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

IEEE 1588: Liaison Statement from ITU-T SG15 entitled “LS on Timestamping Point for Multilane Ethernet Interfaces,” [liaison letter](#)

Mr. Law announced that he would chair a timestamp Ad Hoc to draft a response, if appropriate, to be reviewed at the closing plenary.

ITU SG9: New versions of the ANT standardization work plan [liaison letter](#) and [attachment](#)

Consideration of this letter was deferred to the November 2015 meeting due the alignment of the ITU-T SG15 and IEEE 802.3 meeting schedules.

ITU SG9: New work item for J.HiNoC2 [liaison letter](#) and [attachment](#)

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

ITU SG15: SG15 ANT Standardization Work Plan [liaison letter](#)

Consideration of this letter was deferred to the November 2015 meeting due the alignment of the ITU-T SG15 and IEEE 802.3 meeting schedules.

ITU SG15: SG15 HNT Standardization Work Plan [liaison letter](#)

Consideration of this letter was deferred to the November 2015 meeting due the alignment of the ITU-T SG15 and IEEE 802.3 meeting schedules.

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

Consideration of this letter was deferred to the November 2015 meeting due the alignment of the ITU-T SG15 and IEEE 802.3 meeting schedules.

External Liaison letters (old)

ITU-T SG15 Multi-lane timestamping [liaison letter](#)

Mr. Law noted that this liaison would also be considered by the timestamp Ad Hoc.

External Liaison letters (new, information item)

OIF: Progress on OIF CEI-56G projects [liaison letter](#), [attachment 1](#), and [attachment2](#)

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

IEEE 802.3 Rules – Adam Healey

Please see http://ieee802.org/3/minutes/jul15/0715_rules_open_report.pdf.

Mr. Healey also reviewed the state of the IEEE 802.3 standard. Please see: http://ieee802.org/3/minutes/jul15/0715_state_of_std.pdf.

IEEE 802.3 Maintenance – Adam Healey

Please see http://ieee802.org/3/minutes/jul15/0715_maint_open_report.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/jul15/0715_bn_open_report.pdf.

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

Please see http://ieee802.org/3/minutes/jul15/0715_bp_open_report.pdf.

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

Please see http://ieee802.org/3/minutes/jul15/0715_bq_open_report.pdf.

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

Please see http://ieee802.org/3/minutes/jul15/0715_br_open_report.pdf.

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

Please see http://ieee802.org/3/minutes/jul15/0715_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/jul15/0715_bt_open_report.pdf.

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

Please see http://ieee802.org/3/minutes/jul15/0715_bu_open_report.pdf.

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

Please see http://ieee802.org/3/minutes/jul15/0715_bv_open_report.pdf.

Mr. Law announced that he was appointing Mr. Carlson as the Chair of the P802.3bw 100BASE-T1 PHY Task Force (subject to confirmation by the Task Force) due to the unavailability of Mr. Hogenmueller. Mr. Law thanked the former chair Mr. Hogenmueller for all his work on this project.

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

Please see http://ieee802.org/3/minutes/jul15/0715_bw_open_report.pdf.

IEEE 802.3by 25 Gb/s Ethernet Task Force – Mark Nowell

Please see http://ieee802.org/3/minutes/jul15/0715_by_open_report.pdf

IEEE 802.3bz 2.5/5GBASE-T Task Force – Dave Chalupsky

Please see http://ieee802.org/3/minutes/jul15/0715_bz_open_report.pdf

IEEE 802.3 25GBASE-T Study Group – Dave Chalupsky

Please see http://ieee802.org/3/minutes/jul15/0715_25gbt_open_report.pdf

CALL FOR INTEREST

IEEE 802.3 Next Generation EPON (NG-EPON) Call for Interest – Curtis Knittle

Please see http://ieee802.org/3/minutes/jul15/0715_ngepon_open_report.pdf

IEEE 802.3 2.5/5 Gb/s Backplane and Short Reach Copper Cable Call for Interest – Yong Kim

Please see http://ieee802.org/3/minutes/jul15/0715_2p5_5_BPCC_open_report.pdf

ROOM ASSIGNMENTS, AND SUBGROUP SCHEDULES

Mr. Carlson noted that the room assignments were available via the 802.3 web page. Mr. Law reviewed the tutorials.

ADJOURN

No other items of business were presented.

Adjourned.

Approved Minutes
IEEE 802.3 Ethernet Working Group plenary
Waikoloa HI, USA
July 13 to 16, 2015

<http://www.ieee802.org/3/minutes/mar15/index.html>

THURSDAY, JULY 16, 2015

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 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/jul15/0715_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/jul15/0715_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. Mr. D'Ambrosia responded that he would be reporting on the meeting in a blog and via the press but this would be limited to summarizing the meeting outcomes. Mr. P. Jones also responded in a similar manner

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. Mr. Law proposed that an additional item on the IEEE 802 Student Paper Competition be inserted after the patent policy. There was no objection to this.

MOTION #1

Motion to approve the agenda.

M: J. D' Ambrosia

S: C. Jones

Procedural (> 50%)

Passed by voice vote without opposition 16-July 2015, 1:15 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/jul15/0715_802_3_closing_plenary.pdf.

IEEE 802 Student Paper Competition – James Gilb

Mr. Gilb explained the details of the IEEE 802 Student Paper Competition. Please see:

<https://mentor.ieee.org/802-ec/dcn/15/ec-15-0060-00-00EC-student-paper-competition.pdf>

GENERAL WG 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/jul15/0715_voters.pdf.

Review of voters in peril

Please see http://www.ieee802.org/3/minutes/jul15/0715_peril.pdf.

Request for membership

Please see http://www.ieee802.org/3/minutes/jul15/0715_potential.pdf.

Mr. Law went through the Potential Voters list. Mr. Anslow recorded the respondents:
Hayashi, Takehiro Hyakutake, Yasuhiro

IEEE 802 Executive Committee items

Please see http://www.ieee802.org/3/minutes/jul15/0715_802_3_closing_plenary.pdf.

Mr. Law reviewed Executive Committee activities during the week.

Other IEEE 802 PARs

Mr. Law noted that, since there was no further input offered from the Working Group (beyond the comments generated by the Ad Hoc chaired by Mr. Carlson), he would vote on the PARs considered by the EC this week based on the discussion at the EC meeting.

External liaison letters (new)

COBO: Announcement of the Formation of Consortium for On-Board Optics (COBO) liaison letter

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

IEC SC48B: Status of IEC 60603-7-81 Ed. 1 and IEC 60603-7-82 Ed.1 liaison letter

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

IEEE 1588: Liaison Statement from ITU-T SG15 entitled “LS on Timestamping Point for Multilane Ethernet Interfaces,” liaison letter

Mr. Law presented the proposed liaison response to IEEE 1588 as generated by the timestamp Ad Hoc. Please see:

http://ieee802.org/3/minutes/jul15/outgoing/IEEE_802d3_to_IEEE_1588_0715_draft.pdf.

MOTION #2

Move that 802.3 approve:

IEEE_802d3_to_IEEE_1588_0715_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 IEEE 1588.

M: D. Remein

S: K. Lusted

Technical ($\geq 75\%$)

Passed by voice without opposition 16-July 2015, 1:41 pm

External Liaison letters (old)

ITU-T SG15 Multi-lane timestamping liaison letter

Mr. Law noted that a liaison response to ITU-T SG15 on this topic would be deferred to the November meeting due the alignment of the ITU-T SG15 and IEEE 802.3 meeting schedules and to allow further time to consider the technical details. Mr. Law further announced that it was intended to schedule one or more conference calls of the timestamp Ad Hoc for this purpose.

Future meetings actions – Steve Carlson

Please see http://ieee802.org/3/minutes/jul15/0715_meetings_close.pdf.

REPORTS

IEEE 802.3 Rules – Adam Healey

Please see http://ieee802.org/3/minutes/jul15/0715_rules_close_report.pdf.

Mr. Healey proposed the following motion:

MOTION #3

Approve the proposed IEEE 802.3 rules change 1-03/15 without a 30 day WG letter ballot.

M: A. Healey

S: S. Carlson

At this point Mr. Thompson made the following motion:

MOTION #4

Move to send rules change 1-03/15 to 30 day letter ballot.

M: G. Thompson

S: P. Kolesar

Procedural ($\geq 50\%$)

Y: 28, N: 58, A: 49

Motion fails 16-July 2015, 2:05 pm

The meeting therefore returned to Motion #3

MOTION #3

Approve the proposed IEEE 802.3 rules change 1-03/15 without a 30 day WG letter ballot.

M: A. Healey

S: S. Carlson

≥75%

Y: 108, N: 4, A: 16

Passed 16-July 2015, 2:06 pm

IEEE 802.3 Maintenance – Adam Healey

Please see http://ieee802.org/3/minutes/jul15/0715_maint_close_report.pdf.

MOTION #5

Request conditional approval for submission of IEEE P802.3 to RevCom.

M: A. Healey on behalf of the Maintenance Task Force

Technical (≥75%)

Y: 125, N: 0, A: 4

Passed 16-July 2015, 2:11 pm

IEEE P802.3bm 40 Gb/s and 100 Gb/s Fiber Optic Task Force – Dan Dove

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

Mr. Dove in turn recognized several other 802.3 WG members for their contributions to the P802.3bm project.

Please see http://ieee802.org/3/minutes/jul15/0715_bm_close_report.pdf.

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

Please see http://ieee802.org/3/minutes/jul15/0715_bn_close_report.pdf.

The changes made to the draft P802.3bn amendment with respect to the version submitted for preview were presented by Mr. Laubach.

MOTION #6

Move that the 802.3 Working Group advance P802.3bn Draft 1.6 to working group ballot.

M: M. Laubach on behalf of the Task Force

Technical ($\geq 75\%$)

Passed by voice vote without opposition 16-July 2015, 2:32 pm

Mr. Laubach presented the proposed liaison response to ITU-T SG9. Please see:

http://ieee802.org/3/minutes/jul15/outgoing/IEEE_802d3_to_ITU-T_SG9_0715_draft.pdf.

MOTION #7

Move to accept IEEE_802d3_to_ITU-T_SG9_0715_draft liaison response to 802.3 Working Group for approval with editorial license granted to the WG Chair (or his appointed agent) as a liaison communication by the WG Chair to ITU-T SG9.

M: M. Laubach on behalf of the Task Force

Technical ($\geq 75\%$)

Y: 122, N: 0, A: 3

Passed 16-July 2015, 2:41 pm

IEEE P802.3bp 1000BASE-T1 PHY Task Force – Steve Carlson

Please see http://ieee802.org/3/minutes/jul15/0715_bp_close_report.pdf.

The changes made to the draft P802.3bp amendment with respect to the version submitted for preview were presented by Mr. Hajduczenia.

MOTION #8

Confirm the IEEE 802.3bp CSD available at:

<http://www.ieee802.org/3/bp/5Criteria.pdf>

The IEEE P802.3bp Task Force requests that IEEE 802.3 send the IEEE P802.3bp draft as presented to IEEE 802.3 Working Group Ballot as IEEE P802.3bp D2.0, authorize the Task Force to respond to the comments and conduct re-circulations as necessary.

M: J. D' Ambrosia

S: S. Carlson

Technical ($\geq 75\%$)

Passed by voice vote without opposition 16-July 2015, 2:57 pm

Break at approximately 2:58 pm. Restarted at approximately 3:19 pm.

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

Please see http://ieee802.org/3/minutes/jul15/0715_bq_close_report.pdf.

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

Please see http://ieee802.org/3/minutes/jul15/0715_br_close_report.pdf.

Mr. Winkel reviewed the results of the initial Working Group ballot of the P802.3br draft, noting that it had failed to meet the requirement for the abstention rate of the returned ballots to be less than 30% for the ballot to be valid. Mr. Law explained that because of this, P802.3br Draft 2.1 (resulting from the resolution of comments on Draft 2.0) had been balloted again for 30 days and with the whole draft open for comment. However, this ballot also failed to meet the abstention rate requirement.

MOTION #9

Motion to suspend the IEEE 802.3 Operations manual 2.8.2 a) Abstention rate rule for the Working Group Ballot of IEEE P802.3br.

M: L. Winkel on behalf of the Task Force

≥75%

Y: 37, N: 43, A: 48

Motion fails 16-July 2015, 3:55 pm

The failure of this motion resulted in a discussion of the way forward for the P802.3br draft.

MOTION #10

Move to send IEEE P802.3br to initial Working Group Ballot.

M: G. Thompson

S: B. Grow

Technical (≥75%)

Y: 124, N: 0, A: 2

Passes 16-July 2015, 4:19 pm

Mr. Law stated that he intends to start to enforce the rules regarding loss of voting rights due to non-participation in Working Group ballots.

Ms. Thaler requested a motion to suspend the abstention rate rule for the Working Group Ballot of IEEE P802.3br. Mr. Law ruled that this would be a repeat of Motion #9 and therefore could only be a motion to reconsider Motion #9 proposed by someone from the prevailing side (those who voted no).

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

Please see http://ieee802.org/3/minutes/jul15/0715_bs_close_report.pdf.

Mr. D’Ambrosia presented the proposed liaison responses to ITU-T SG15 and COBO.

Please see:

http://ieee802.org/3/minutes/jul15/outgoing/IEEE_802d3_to_SG15_01_0715_draft.pdf

http://ieee802.org/3/minutes/jul15/outgoing/IEEE_802d3_to_SG15_02_0715_draft.pdf

http://ieee802.org/3/minutes/jul15/outgoing/IEEE_802d3_to_COBO_0715_draft.pdf

Some minor changes were made to the text of the first draft letter to ITU-T SG15.

MOTION #11

Move that 802.3 approve:

- IEEE_802d3_to_SG15_01_0715_draft.pdf
- IEEE_802d3_to_SG15_02_0715_draft.pdf (pending adoption of Draft 1.0 by the IEEE P802.3bs Task Force)
- IEEE_802d3_to_COBO_0715_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 and COBO.

M: J. D’Ambrosia

S: S. Trowbridge

Technical ($\geq 75\%$)

Y: 113, N: 0, A: 1

Passed 16-July 2015, 4:41 pm

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

Please see http://ieee802.org/3/minutes/jul15/0715_bt_close_report.pdf.

Mr. Jones presented the proposed liaison response to NEC CMP16. Please see:

http://ieee802.org/3/minutes/jul15/outgoing/IEEE_802d3_to_NEC_CMP_16_0715_draft.pdf

MOTION #12

Move that IEEE 802.3 approve the text in IEEE_802d3_to_NEC_CMP_16_0715_draft.doc with editorial license granted to the Chair (or his appointed agent) as a liaison communication from the IEEE 802.3 Working Group to NEC CMP16.

M: C. Jones

S: M. Shariff

Technical ($\geq 75\%$)

Passed by voice without opposition 16-July 2015, 5:02 pm

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

Please see http://ieee802.org/3/minutes/jul15/0715_bu_close_report.pdf.

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

Please see http://ieee802.org/3/minutes/jul15/0715_bv_close_report.pdf.

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

Please see http://ieee802.org/3/minutes/jul15/0715_bw_close_report.pdf.

MOTION #13

The IEEE 802.3 Ethernet Working Group confirms the IEEE P802.3bw 100BASE-T1 CSD available at the URL

<http://ieee802.org/3/bw/public/20140528_CSD_IEEE802_3bw.pdf> and grants conditional approval to forward IEEE P802.3bw to RevCom

M: A. Chini

S: T. Dinh

Technical ($\geq 75\%$)

Y: 101, N: 0, A: 2

Passed 16-July 2015, 5:26 pm

IEEE P802.3by 25 Gb/s Ethernet Task Force – Kent Lusted on behalf of Mark Nowell

Please see http://ieee802.org/3/minutes/jul15/0715_by_close_report.pdf

The changes made to the draft P802.3by amendment with respect to the version submitted for preview were presented by Mr. Lusted.

MOTION #14

Request that the IEEE 802.3 Working Group chair progress IEEE P802.3by Draft 2.0 to Working Group ballot. Draft 2.0 is Draft 1.1 (preview draft) plus the closed comments.

M: K. Lusted on behalf of the Task Force

Technical ($\geq 75\%$)

Passed by voice vote without opposition 16-July 2015, 5:33 pm

Mr. Lusted presented the proposed liaison to ITU-T SG15. Please see:

http://iee802.org/3/minutes/jul15/outgoing/IEEE_802d3_to_SG15_25G_0715_draft.pdf

MOTION #15

Move that 802.3 approve IEEE_802d3_to_SG15_25G_0715_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 SG15.

M: S. Trowbridge

S: K. Lusted

Technical ($\geq 75\%$)

Y: 95, N: 0, A: 1

Passed 16-July 2015, 5:35 pm

IEEE 802.3bz 2.5/5GBASE-T Task Force – Dave Chalupsky

Please see http://iee802.org/3/minutes/jul15/0715_bz_close_report.pdf.

IEEE 802.3 25GBASE-T Study Group – Dave Chalupsky

Please see http://iee802.org/3/minutes/jul15/0715_25gbt_close_report.pdf.

Mr. Chalupsky presented proposed changes to the P802.3bq PAR.

MOTION #16

Move that 802.3 approve the modified P802.3bq PAR text in draft_P802_3bq_PAR_150715.pdf

M: D. Chalupsky on behalf of the Task Force

Technical ($\geq 75\%$)

Y: 89, N: 0, A: 2

Passed 16-July 2015, 5:48 pm

MOTION #17

Request 802.3 to provide an extension of the 25GBASE-T Study Group

M: D. Chalupsky on behalf of the Study Group

> 50%

Y: 96, N: 0, A: 0

Passed 16-July 2015, 5:50 pm

CALL FOR INTEREST

IEEE 802.3 Next Generation EPON (NG-EPON) Call for Interest – Curtis Knittle

Please see http://ieee802.org/3/minutes/jul15/0715_ngepon_close_report.pdf

MOTION #18

Form an 802.3 Study Group to develop Project Authorization Request (PAR), Criteria for Standards Development (CSD) and Objectives for Next Generation EPON

M: D. Remein

S: M. Hajduczenia

> 50%

Y: 90, N: 0, A: 2

Passed 16-July 2015, 5:56 pm

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

IEEE 802.3 2.5/5 Gb/s Backplane and Short Reach Copper Cable Call for Interest – Yong Kim

Please see http://ieee802.org/3/minutes/jul15/0715_2p5_5_BPCC_close_report.pdf

MOTION #19

Request that the 802.3 WG form a study group to develop PAR and CSD for:
2.5 Gb/s and 5 Gb/s Ethernet over Backplane and Copper Cable.

M: Y. Kim

S: W. Lo

> 50%

Y: 75, N: 1, A: 15

Passed 16-July 2015, 6:07 pm

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

OTHER BUSINESS

No other items of business were presented.

ADJOURN

MOTION #20

Move to adjourn.

M: J. D'Ambrosia

S: A. Ran

Procedural (> 50%)

Passed by voice 16-July 2015, 6:08 pm

Adjourned.

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

http://ieee802.org/3/minutes/jul15/0715_attendance_waikoloa.pdf