

Approved Minutes
IEEE 802.3 Ethernet Working Group plenary
Dallas TX, USA
November 9 to 12, 2015

<http://www.ieee802.org/3/minutes/nov15/index.html>

MONDAY, NOVEMBER 9, 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 P802.3bn 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: Dave Dwelley standing in for 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: David Chalupsky

IEEE 802.3 Study Group chairs

- IEEE 802.3 NG-EPON: Curtis Knittle
- IEEE 802.3 2.5 Gb/s and 5 Gb/s Backplane and Short Reach Copper: Yong Kim

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/nov15/1115_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: S. Trowbridge

S: L. Winkel

Procedural (> 50%)

Passed by voice vote without opposition 9-November 2015, 10:14 am

Approval of July 2015 and September 2015 minutes

Please see http://www.ieee802.org/3/minutes/jul15/0715_minutes.pdf and http://www.ieee802.org/3/minutes/sep15/0915_minutes.pdf.

Mr. Healey asked if there were any additions or corrections to the July 2015 minutes which were posted on 23 July 2015 and were updated with a minor correction on 27 July 2015. Mr. Healey also asked if there were any additions or corrections to the September 2015 minutes which were posted on 18 September 2015.

MOTION #2

Approve July 2015 plenary meeting minutes and the September 2015 interim meeting minutes.

M: L. Winkel

S: D. Remein

Procedural (> 50%)

Passed by voice vote without opposition 9-November 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/nov15/1115_802_3_opening_plenary.pdf.

General Working Group business

Working Group activities since the September 2015 meeting

Please see http://www.ieee802.org/3/minutes/nov15/1115_802_3_opening_plenary.pdf.

12th August 2015, Durham, NH, USA

- IEEE 802.3 (IEEE 802.3bx) Maintenance 11 (revision) Task Force

20th August 2015, Irvine, CA, USA

- IEEE P802.3bw 100BASE-T1 Task Force

14th through 18th September 2015, Bonita Springs, FL, USA

- IEEE 802.3 interim meeting series

13th through 16th October 2015, Catania, Italy.

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

15th October 2015, Milpitas, CA, USA.

- IEEE 802.3by 25 Gb/s Ethernet Task Force

Mr. Healey expressed his thanks to UNH-IOL, Broadcom, NEC, ST and Cisco for hosting the Durham, Irvine, Bonita Springs, Catania and Milpitas 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://iee802.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/nov15/1115_imat.pdf

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

Review of voting membership

Please see http://www.iee802.org/3/minutes/nov15/1115_voters.pdf.

Review of voters in peril

Please see http://www.iee802.org/3/minutes/nov15/1115_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.iee802.org/3/minutes/nov15/1115_potential.pdf.

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

Baden, Eric	Dillow, Daniel	Sedarat, Hossein
Butter, Adrian	Farjad, Ramin	Shirani, ramin
Chabot, Craig	Fritsche, Matthias	Skaar, Tom
Chacon Simon, Geoffrey	Bustos Heredia, Jairo	Sun, Junqing
Diab, Wael	Masuda, Takeo	Tamura, Kohichi
DiBiaso, Eric	Schicketanz, Dieter	Yi, Jun

IEEE 802.3 Treasurer's report – Valerie Maguire

Please see http://iee802.org/3/minutes/nov15/1115_treasury.pdf.

IEEE 802 Executive Committee report

Please see http://www.iee802.org/3/minutes/nov15/1115_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/nov15/1115_802_3_opening_plenary.pdf.

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

Please see http://www.ieee802.org/3/minutes/nov15/1115_agenda_open.pdf.

New standard PAR

- IEEE 802.1CQ Multicast and Local Address Assignment [PAR](#) and [CSD](#)

Amendment project PARs

- IEEE P802.15.4u Low-Rate Wireless Personal Area Networks: Amendment for use of the Indian 865-867 MHz band draft [PAR](#) and [CSD](#)
- • IEEE P802.15.4t Low-Rate Wireless Personal Area Networks: Amendment for a High(er) Rate Physical (PHY) Layer draft [PAR](#) and [CSD](#)
- • IEEE P802.15.3d High Rate Wireless Personal Area Networks: Amendment for a 100Gbps wireless switched point-to-point physical layer draft [PAR](#) and [CSD](#)
- • IEEE P802.16s Air Interface for Broadband Wireless Access: Amendment Fixed and Mobile Wireless Access in Channel Sizes up to 1.25 MHz draft [PAR and CSD](#)

Mr. Law announced that Mr. Grow 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/msg00403.html

LIAISONS

External Liaison reports

ISO/IEC SC25/WG3 report – Alan Flatman

Please see

http://www.ieee802.org/3/minutes/nov15/1115_SC25_WG3_report_to_802d3.pdf.

TIA TR-42 report – Valerie Maguire

Please see

http://www.ieee802.org/3/minutes/nov15/1115_TIA_TR-42_report_to_802d3.pdf.

At this point Chris Diminico was congratulated on being awarded the IEEE Standards Medallion.

External Liaison letters (new)

OIF: Flex Ethernet Implementation Agreement [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.

External Liaison letters (old)

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

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

Consideration of these letters was deferred from the July 2015 meeting due the alignment of the ITU-T SG15 and IEEE 802.3 meeting schedules.

Mr. Law requested Mr. Hajduczenia to draft a response to be reviewed at the closing plenary.

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

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

Mr. Law requested Mr. Grow to draft a response to be reviewed at the closing plenary.

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

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

Mr. Law requested Mr. Trowbridge to draft a response to be reviewed at the closing plenary.

IEEE 802.3 Rules – Adam Healey

Please see http://ieee802.org/3/minutes/nov15/1115_rules_open_report.pdf.

IEEE 802.3 Maintenance – Adam Healey

Please see http://ieee802.org/3/minutes/nov15/1115_maint_open_report.pdf

Mr. Healey also reviewed the state of the IEEE 802.3 standard. Please see: http://ieee802.org/3/minutes/nov15/1115_state_of_std.pdf.

Mr. Healey also noted that IEEE Std 802.3bw-2015 was approved on 27 October 2015.

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/nov15/1115_bn_open_report.pdf.

Mr. Laubach announced that the P802.3bn Task Force intends to hold an extra interim meeting 15 to 17 December 2015 in Piscataway.

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

Please see http://ieee802.org/3/minutes/nov15/1115_bp_open_report.pdf.

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

Please see http://ieee802.org/3/minutes/nov15/1115_bq_open_report.pdf.

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

Please see http://ieee802.org/3/minutes/nov15/1115_br_open_report.pdf.

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

Please see http://ieee802.org/3/minutes/nov15/1115_bs_open_report.pdf.

IEEE P802.3bt DTE Power via MDI over 4-Pair Task Force – Dave Dwelley on behalf of Chad Jones

Please see http://ieee802.org/3/minutes/nov15/1115_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/nov15/1115_bu_open_report.pdf.

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

Please see http://ieee802.org/3/minutes/nov15/1115_bv_open_report.pdf.

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

Please see http://ieee802.org/3/minutes/nov15/1115_by_open_report.pdf

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

Please see http://ieee802.org/3/minutes/nov15/1115_bz_open_report.pdf

IEEE 802.3 Next Generation EPON (NG-EPON) Study Group – Curtis Knittle

Please see http://ieee802.org/3/minutes/nov15/1115_ngepon_open_report.pdf

IEEE 802.3 2.5Gb/s and 5 Gb/s Backplane and Short Reach Copper Study Group – Yong Kim

Please see http://ieee802.org/3/minutes/nov15/1115_2p5_5_BPCC_open_report.pdf

CALL FOR INTEREST

IEEE 802.3 Single lane 50Gb/s, next generation 100 Gb/s and 200 Gb/s Ethernet Call for Interest – Mark Nowell

Please see http://ieee802.org/3/minutes/nov15/1115_50_100_200_open_report.pdf

IEEE 802.3 25 Gb/s single mode fibre Call for Interest –David Lewis

Please see http://ieee802.org/3/minutes/nov15/1115_25G_SMF_open_report.pdf

PROPOSED INDUSTRY CONNECTIONS ACTIVITY

IEEE 802.3 Next Generation Enterprise/Campus/Data Center Ethernet – John D’Ambrosia

Please see http://ieee802.org/3/minutes/nov15/1115_NG_ECDC_open_report.pdf

ROOM ASSIGNMENTS, AND SUBGROUP SCHEDULES

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

ADJOURN

No other items of business were presented.

MOTION #3

Move to adjourn.

M: J. D’Ambrosia

S: B. Grow

Procedural (> 50%)

Passed by voice vote without opposition 9-November 2015, 12:13 pm

Adjourned.

Approved Minutes
IEEE 802.3 Ethernet Working Group plenary
Dallas TX, USA
November 9 to 12, 2015

<http://www.ieee802.org/3/minutes/nov15/index.html>

THURSDAY, NOVEMBER 12, 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.

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/nov15/1115_802_3_closing_plenary.pdf.

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

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/nov15/1115_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: B. Grow

S: J. D'Ambrosia

Procedural (> 50%)

Passed by voice vote without opposition 12-November 2015, 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/nov15/1115_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/nov15/1115_voters.pdf.

Review of voters in peril

Please see http://www.ieee802.org/3/minutes/nov15/1115_peril.pdf.

Request for membership

Please see http://www.ieee802.org/3/minutes/nov15/1115_potential.pdf.

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

Malicoat, David

Mohammadian, Ardeshir

Sayre, Edward

IEEE 802 Executive Committee items

Please see http://www.ieee802.org/3/minutes/nov15/1115_802_3_closing_plenary.pdf.

Mr. Law reviewed Executive Committee activities during the week.

IEEE 802.3 Working Group March 2016 election process

Mr. Law explained that the 802 LMSC Policies and Procedures document requires that elections for the IEEE 802.3 Working Group Chair and Vice-Chair positions must be held in the first plenary meeting of even numbered years.

Mr. Law reviewed the proposed election rules shown on slides 19 and 20 of http://www.ieee802.org/3/minutes/nov13/1113_802_3_closing_plenary.pdf

Motion #2

Adopt the election rules as shown in 1115_802_3_closing_plenary.pdf

M: B. Grow

S: M. Hajduczenia

Procedural (> 50%)

Passed by voice vote without opposition 12-November 2015 1:29 pm

Other IEEE 802 PARs

Mr. Grow reported on the outcome of the Ad Hoc to review the 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. Grow), he would vote on the PARs considered by the EC this week based on the discussion at the EC meeting.

External liaison letters (new)

ISO/IEC JTC1 SC6: Submission of IEEE Std 802.3bw 100BASE-T1

Mr. Healey presented a proposed liaison to ISO/IEC JTC1 SC6.

MOTION #3

Move that the IEEE 802.3 Working Group approve IEEE_802d3_to_ISOIEC_JTC1_SC6_1115_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 JTC1 SC6.

M: A. Healey

S: S. Carlson

Technical ($\geq 75\%$)

Y: 108, N: 0, A: 3

Passed 12-November 2015, 1:39 pm

OIF: Flex Ethernet Implementation Agreement liaison letter

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

External Liaison letters (old)

ITU SG9: New versions of the ANT standardization work plan liaison letter and attachment

ITU SG15: ANT standardization work plan liaison letter

Mr. Hajduczenia presented the proposed liaison response to ITU-T SG15. Please see: http://iee802.org/3/minutes/nov15/outgoing/IEEE_802d3_to_SG15_ANT_1115_draft.pdf.

ITU SG15: HNT standardization work plan liaison letter

Mr. Grow presented the proposed liaison response to ITU-T SG15. Please see: http://iee802.org/3/minutes/nov15/outgoing/IEEE_802d3_to_SG15_HNT_1115_draft.pdf.

A minor change was made to the text of the draft letter.

ITU SG15: OTNT standardization work plan liaison letter

Mr. Trowbridge presented the proposed liaison response to ITU-T SG15. Please see: http://iee802.org/3/minutes/nov15/outgoing/IEEE_802d3_to_SG15_OTNT_1115_draft.pdf.

MOTION #4

Move that 802.3 approve:

IEEE_802d3_to_SG15_ANT_1115_draft.pdf

IEEE_802d3_to_SG15_HNT_1115_draft.pdf

IEEE_802d3_to_SG15_OTNT_1115_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 SG15.

M: S. Trowbridge

S: S. Carlson

Technical ($\geq 75\%$)

Y: 106, N: 0, A: 1

Passed 12-November 2015, 2:07 pm

Future meetings actions – Steve Carlson

Mr. Carlson reviewed the details of upcoming meetings.

Please see http://iee802.org/3/minutes/nov15/1115_meetings_close.pdf.

Mr. Kipp reviewed the details of the Ethernet Alliance hosted meeting for the May 2016 interim in Whistler , BC, Canada. Please see http://iee802.org/3/minutes/nov15/1115_EA_Interim_May_2016_Whistler.pdf.

Mr. Kipp also reviewed the details of an offer to host from the Ethernet Alliance for the May 2017 interim. Please see http://iee802.org/3/minutes/nov15/1115_EA_offer_to_host_may_2017.pdf.

Ms. Baldwin reviewed the details of an offer to host from Ixia for the September 2016 interim. Please see http://iee802.org/3/minutes/nov15/1115_Ixia_offer_to_host_sept_2016.pdf.

MOTION #5

Move that IEEE 802.3 accept the Ethernet Alliance offer for the May 2017 interim as detailed in 1115_EA_offer_to_host_may_2017.pdf.

M: J. D’Ambrosia

S: M. Nowell

Procedural (> 50%)

Passed by voice vote without opposition 12-November 2015, 2:26 pm

MOTION #6

Move that IEEE 802.3 accept the Ixia offer for the September 2016 interim as detailed in 1115_Ixia_offer_to_host_sept_2016.pdf.

M: T. Baldwin

S: S. Carlson

Procedural (> 50%)

Passed by voice vote without opposition 12-November 2015, 2:28 pm

REPORTS

IEEE 802.3 Rules – Adam Healey

Please see http://iee802.org/3/minutes/nov15/1115_rules_close_report.pdf.

IEEE 802.3 Maintenance – Adam Healey

Please see http://iee802.org/3/minutes/nov15/1115_maint_close_report.pdf.

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

Please see http://iee802.org/3/minutes/nov15/1115_bn_close_report.pdf.

MOTION #7

Move that the IEEE 802.3 Working Group re-affirm the CSD responses (grandfathered 5C) in <http://www.ieee802.org/3/bn/5Criteria.pdf> and request conditional approval to progress the IEEE P802.3bn draft to IEEE 802 LMSC sponsor ballot once the Working Group ballot process has been successfully completed.

M: M. Laubach on behalf of the Task Force

Technical ($\geq 75\%$)

Y: 122, N: 0, A: 0

Passed 12-November 2015, 2:50 pm

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

Please see http://ieee802.org/3/minutes/nov15/1115_bp_close_report.pdf.

MOTION #8

Move that the IEEE 802.3 Working Group re-affirm the CSD (grandfathered 5C) responses in <http://ieee802.org/3/bp/5Criteria.pdf> and request conditional approval to progress the IEEE P802.3bp draft to IEEE 802 LMSC sponsor ballot once the Working Group ballot process has been successfully completed.

M: D. Dwelley

S: S. Carlson

Technical ($\geq 75\%$)

Y: 119, N: 0, A: 0

Passed 12-November 2015, 2:56 pm

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

Please see http://ieee802.org/3/minutes/nov15/1115_bq_close_report.pdf.

MOTION #9

Move that the IEEE 802.3 Working Group re-affirm the CSD responses in <https://mentor.ieee.org/802-ec/dcn/15/ec-15-0069-00-ACSD-802-3bq.pdf> and request conditional approval to progress the IEEE P802.3bq draft to IEEE 802 LMSC sponsor ballot once the Working Group ballot process has been successfully completed.

M: D. Chalupsky on behalf of the Task Force

Technical ($\geq 75\%$)

Y: 115, N: 0, A: 3

Passed 12-November 2015, 3:05 pm

Break at approximately 3:07 pm. Restarted at approximately 3:28 pm.

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

Please see http://ieee802.org/3/minutes/nov15/1115_br_close_report.pdf.

The unsatisfied comments against the P802.3br draft were reviewed by Ms. Thaler.

MOTION #10

Move that the IEEE 802.3 Working Group re-affirm the CSD responses in <http://www.ieee802.org/3/br/8023-DMLT-SG-1311-Winkel-5C-v2.3.pdf> and request conditional approval to progress the IEEE P802.3br draft to IEEE 802 LMSC sponsor ballot once the Working Group ballot process has been successfully completed.

M: L. Winkel on behalf of the Task Force

Technical ($\geq 75\%$)

Y: 97, N: 3, A: 19

Passed 12-November 2015, 4:00 pm

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

Please see http://ieee802.org/3/minutes/nov15/1115_bs_close_report.pdf.

Mr. D’Ambrosia presented the proposed liaison response to OIF. Please see: http://ieee802.org/3/minutes/nov15/outgoing/IEEE_802d3_to_OIF_1115_draft.pdf

MOTION #11

Move that the IEEE 802.3 Working Group approve IEEE_802d3_to_oif_1115_draft.pdf with editorial license granted to the Chair (or his appointed agent) as liaison communication from the IEEE 802.3 Working Group to OIF.

M: J. D'Ambrosia

S: P. Anslow

Technical ($\geq 75\%$)

Passed by voice vote without opposition 12-November 2015, 4:13 pm

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

Please see http://ieee802.org/3/minutes/nov15/1115_bt_close_report.pdf.

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

Please see http://ieee802.org/3/minutes/nov15/1115_bu_close_report.pdf.

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

MOTION #12

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

M: G. Zimmerman

S: S. Carlson

Technical ($\geq 75\%$)

Passed by voice vote without opposition 12-November 2015, 4:26 pm

At this point Mr. Dwelley announced that he is standing down as the Chair of the P802.3bu Task Force. Mr. Law stated that he would be appointing Dan Dove as Chair of P802.3bu going forward (subject to the approval of the Task Force at the next meeting).

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

Please see http://ieee802.org/3/minutes/nov15/1115_bv_close_report.pdf.

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

Please see http://ieee802.org/3/minutes/nov15/1115_by_close_report.pdf

The unsatisfied comments against the P802.3by draft were summarized by Mr. Nowell.

MOTION #13

Move that the IEEE 802.3 Working Group re-affirm the CSD responses in http://www.ieee802.org/3/by/P802_3by_CSD.pdf and request approval to progress the IEEE P802.3by draft to IEEE 802 LMSC sponsor ballot.

M: M. Nowell

S: A. Marris

Technical ($\geq 75\%$)

Y: 105, N: 0, A: 2

Passed 12-November 2015, 4:45 pm

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

Please see http://ieee802.org/3/minutes/nov15/1115_bz_close_report.pdf.

IEEE 802.3 Next Generation EPON (NG-EPON) Study Group – Curtis Knittle

Please see http://ieee802.org/3/minutes/nov15/1115_ngepon_close_report.pdf

Mr. Knittle presented the IEEE P802.3ca 100G-EPON proposed objectives.

MOTION #14

Move that the IEEE 802.3 Working Group approve the IEEE P802.3ca 100G-EPON objectives, as per 1115_ngepon_close_report.pdf

M: C. Knittle

S: G. Kramer

Technical ($\geq 75\%$)

Passed by voice without opposition 12-November 2015, 5:02 pm

Mr. Knittle presented the IEEE P802.3ca draft PAR.

MOTION #15

Move that the IEEE 802.3 Working Group approve the IEEE P802.3ca 100G-EPON PAR, in http://www.ieee802.org/3/NGEPONSG/documents/P802_3ca_PAR_111115.pdf with the following change in 2.1 Title:
insert “, 50 Gb/s, “ after “25 Gb/s”

M: C. Knittle

S: G. Kramer

Technical ($\geq 75\%$)

Y: 102, N: 0, A: 1

Passed 12-November 2015, 5:12 pm

Mr. Knittle presented the IEEE P802.3ca 100G-EPON proposed CSD “Managed Objects” response.

MOTION #16

Move that the IEEE 802.3 Working Group approve the IEEE P802.3ca 100G-EPON CSD “Managed Objects” response, as per 1115_ngepon_close_report.pdf

M: C. Knittle

S: K. Noll

Technical ($\geq 75\%$)

Y: 102, N: 0, A: 1

Passed 12-November 2015, 5:15 pm

Mr. Knittle presented the IEEE P802.3ca 100G-EPON proposed CSD “Coexistence” response.

MOTION #17

Move that the IEEE 802.3 Working Group approve the IEEE P802.3ca 100G-EPON CSD “Coexistence” response, as per 1115_ngepon_close_report.pdf

M: C. Knittle

S: K. Noll

Technical ($\geq 75\%$)

Y: 101, N: 0, A: 1

Passed 12-November 2015, 5:16 pm

Mr. Knittle presented the IEEE P802.3ca 100G-EPON proposed CSD “Broad Market Potential” response.

MOTION #18

Move that the IEEE 802.3 Working Group approve the IEEE P802.3ca 100G-EPON CSD “Broad Market Potential” response, as per 1115_ngepon_close_report.pdf

M: C. Knittle

S: M. Hajduczenia

Technical ($\geq 75\%$)

Y: 101, N: 0, A: 3

Passed 12-November 2015, 5:18 pm

Mr. Knittle presented the IEEE P802.3ca 100G-EPON proposed CSD “Compatibility” response.

MOTION #19

Move that the IEEE 802.3 Working Group approve the IEEE P802.3ca 100G-EPON CSD “Compatibility” response, as per 1115_ngepon_close_report.pdf.

M: C. Knittle

S: K. Noll

Technical ($\geq 75\%$)

Y: 100, N: 0, A: 1

Passed 12-November 2015, 5:20 pm

Mr. Knittle presented the IEEE P802.3ca 100G-EPON proposed CSD “Distinct Identity” response.

MOTION #20

Move that the IEEE 802.3 Working Group approve the IEEE P802.3ca 100G-EPON CSD “Distinct Identity” response, as per 1115_ngepon_close_report.pdf.

M: C. Knittle

S: D. Remein

Technical ($\geq 75\%$)

Y: 99, N: 0, A: 1

Passed 12-November 2015, 5:22 pm

Mr. Knittle presented the IEEE P802.3ca 100G-EPON proposed CSD “Technical Feasibility” response.

MOTION #21

Move that the IEEE 802.3 Working Group approve the IEEE P802.3ca 100G-EPON CSD “Technical Feasibility” response, as per 1115_ngepon_close_report.pdf.

M: C. Knittle

S: M. Hajduczenia

Technical ($\geq 75\%$)

Y: 100, N: 0, A: 1

Passed 12-November 2015, 5:24 pm

Mr. Knittle presented the IEEE P802.3ca 100G-EPON proposed CSD “Economic Feasibility” response.

MOTION #22

Move that the IEEE 802.3 Working Group approve the IEEE P802.3ca 100G-EPON CSD “Economic Feasibility” response, as per 1115_ngepon_close_report.pdf.

M: C. Knittle

S: D. Remein

Technical ($\geq 75\%$)

Y: 99, N: 0, A: 2

Passed 12-November 2015, 5:25 pm

It was noted that this is the first extension request for this Study Group.

MOTION #23

Move that the IEEE 802.3 Working Group request the extension of the NG-EPON Study Group.

M: C. Knittle on behalf of the Study Group

> 50%

Y: 101, N: 0, A: 2

Passed 12-November 2015, 5:29 pm

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

IEEE 802.3 2.5/5 Gb/s Backplane and Short Reach Copper Cable Study Group – Yong Kim

Please see http://ieee802.org/3/minutes/nov15/1115_2p5_5_BPCC_close_report.pdf

Mr. Kim presented the IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane and Copper proposed objectives.

There was some discussion on the last two objectives.

MOTION #24

Move that 802.3 approve the IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane and Copper “objectives”, as per 1115_2p5_5_BPCC_close_report.pdf

M: Y. Kim on behalf of the Study Group

Technical ($\geq 75\%$)

Y: 34, N: 20, A: 29

Motion failed 12-November 2015, 6:02pm

At this point there was a motion to postpone consideration of the remainder of this agenda item until after the Industry Connections agenda item.

MOTION #25

Move to postpone consideration of the remainder of this item until after the Industry Connections agenda item.

M: J. D’Ambrosia

S: B. Booth

Procedural (>50%)

Y: 67, N: 2, A: 10

Passed 12-November 2015, 6:15 pm

CALL FOR INTEREST

IEEE 802.3 Single lane 50 Gb/s, next generation 100 Gb/s and 200 Gb/s Ethernet – M. Nowell

Please see http://ieee802.org/3/minutes/nov15/1115_50_100_200_close_report.pdf

MOTION #26

Move that the IEEE 802.3 Working Group request the formation of two Study Groups to develop Project Authorization Requests (PAR) and Criteria for Standards Development (CSD) responses for:

50 Gigabit/s Ethernet over a single lane

Next Generation 100 Gb/s Ethernet & 200 Gigabit/s Ethernet

M: M. Nowell

S: J. D’Ambrosia

> 50%

Y: 74, N: 0, A: 2

Passed 12-November 2015, 6:25 pm

Mr. Law announced that, should the Study Groups be approved, he will appoint Mr. Nowell to be chair of both of the Study Groups.

IEEE 802.3 25 Gb/s single mode fibre – David Lewis

Please see http://ieee802.org/3/minutes/nov15/1115_25G_SMF_close_report.pdf

MOTION #27

Move that the IEEE 802.3 WG form a study group to develop a PAR and CSD for: “25 Gigabit/s Ethernet PMD(s) for single mode fiber”

M: D. Lewis

S: K. Tamura

> 50%

Y: 68, N: 0, A: 4

Passed 12-November 2015, 6:29 pm

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

PROPOSED INDUSTRY CONNECTIONS ACTIVITY**IEEE 802.3 Next Generation Enterprise/Campus/Data Center Ethernet – John D’Ambrosia**

Please see http://ieee802.org/3/minutes/nov15/1115_NG_ECDC_close_report.pdf

MOTION #28

Move that IEEE 802.3 WG endorse the NG-ECDC ICAID (http://www.ieee802.org/3/ad_hoc/ngrates/ICAID_a_15_1110.pdf) and submit to the IEEE 802 EC for its endorsement.

M: J. D’Ambrosia

S: M. Nowell

> 50%

Y: 70, N: 0, A: 0

Passed 12-November 2015, 6:38 pm

Mr. Law announced that, should the ICAID be approved, he will appoint Mr. D’Ambrosia to be chair of the Ad Hoc.

IEEE 802.3 2.5/5 Gb/s Backplane and Short Reach Copper Cable Study Group resumed –Yong Kim

At this point Mr. D’Ambrosia (a member of the prevailing side for motion #24) made a motion to reconsider Motion #24.

MOTION #29

Move to reconsider Motion #24.

M: J. D' Ambrosia

S: T. McDermott

> 50%

Passed by voice vote without opposition 12-November 2015, 6:41 pm

MOTION #24 Reconsidered

Move that 802.3 approve the IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane and Copper “objectives”, as per 1115_2p5_5_BPCC_close_report.pdf

M: Y. Kim on behalf of the Study Group

Technical ($\geq 75\%$)

Before the vote for Motion #24 was re-taken, Mr. D' Ambrosia made a motion to amend Motion #24.

MOTION #30

Move to amend Motion 24 to read “Move that 802.3 approve the IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane and Copper “objectives”, as per slide 8 and 9 as modified of 1115_2p5_5_BPCC_close_report.pdf”

M: J. D' Ambrosia

S: S. Kipp

Technical ($\geq 75\%$)

Passed by voice vote without opposition 12-November 2015, 6:50 pm

MOTION #24 Reconsidered, as amended by Motion #30

Move that 802.3 approve the IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane and Copper “objectives”, as per slide 8 and 9 as modified of 1115_2p5_5_BPCC_close_report.pdf

M: Y. Kim on behalf of the Study Group

Technical ($\geq 75\%$)

Passed by voice without opposition 12-November 2015, 6:56 pm

Mr. Kim presented the IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane and Copper proposed CSD responses for the “Managed Objects”, “Coexistence”, “Broad Market

Potential”, “Compatibility”, “Distinct Identity”, “Technical Feasibility”, “Economic Feasibility” criteria.

MOTION #31

Move that 802.3 approve the IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane and Copper CSD responses, as per 1115_2p5_5_BPCC_close_report.pdf

M: Y. Kim

S: E. Baden

Technical ($\geq 75\%$)

Y: 58, N: 0, A: 2

Passed 12-November 2015, 7:00 pm

Mr. Kim presented the IEEE P802.3cb draft PAR.

MOTION #32

Move that the IEEE 802.3 Working Group approve the IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane and Copper PAR, as

http://www.ieee802.org/3/CU4HDDSG/P802_3cb_PAR_280915a.pdf as modified.

M: Y. Kim on behalf of the Study Group

Technical ($\geq 75\%$)

Y: 54, N: 0, A: 2

Passed 12-November 2015, 7:04 pm

MOTION #33

Move that the IEEE 802.3 Working Group request the extension of the 2.5 Gb/s and 5 Gb/s Backplane and Copper (“CU4HDD”) Study Group

M: Y. Kim on behalf of the Study Group

> 50%

Y: 55, N: 0, A: 1

Passed 12-November 2015, 7:06 pm

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

OTHER BUSINESS

Mr. Law announced that there would be a Working Group interim meeting on Thursday 21 January in the Atlanta meeting.

ADJOURN

MOTION #34

Move to adjourn.

M: D. Remein

S: M. Laubach

Procedural (> 50%)

Passed by voice vote without opposition 12-November 2015, 7:07 pm

Adjourned.

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

http://ieee802.org/3/minutes/nov15/1115_attendance_dallas.pdf