

Approved Minutes
IEEE 802.3 Ethernet Working Group plenary
San Diego, CA, USA
July 14 to 17, 2014

<http://www.ieee802.org/3/minutes/jul14/index.html>

MONDAY, JULY 14, 2014

ADMINISTRATIVE MATTERS

Call to order

Mr. David Law, Chair of the IEEE 802.3 Ethernet Working Group, called the meeting to order at 1:03 pm.

Welcome, introductions, and general announcements

Mr. Law introduced the officers of the IEEE 802.3 Working Group.

IEEE 802.3 Chair: David Law

IEEE 802.3 Vice-Chair: Adam Healey

IEEE 802.3 Secretary: Pete Anslow

IEEE 802.3 Executive Secretary: Steve Carlson

IEEE 802.3 Treasurer: Valerie Maguire

IEEE 802.3 Task Force chairs

- IEEE P802.3bj 100 Gb/s Backplane and Copper Cable: Adam Healey
- 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 802.3 Study Group chairs

- IEEE 802.3 Gigabit Ethernet Over Plastic Optical Fiber: Bob Grow
- IEEE 802.3 1 Twisted Pair 100 Mb/s Ethernet: Thomas Hogenmueller

Mr. Law asked the attendees to introduce themselves and announce their affiliation.

Working Group Decorum

Mr. Law introduced the Working Group decorum as described in his opening report.

Please see http://www.ieee802.org/3/minutes/jul14/0714_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. Mr. D'Ambrosia responded that he will be reporting on the meeting in a blog but this will be limited to summarizing the meeting outcomes.

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.

Brian Misek and Hugh Barrass

Mr. Law informed the meeting that two long standing contributors to the IEEE 802.3 Working Group, Brian Misek and Hugh Barrass, had sadly passed away since the March plenary meeting.

Mr. Law announced that it has been proposed that the IEEE P802.3bm amendment be dedicated to Brian and asked if there was any objection to this. There was no objection.

Mr. Law invited any members of the Working Group who wished to share their memories of Brian.

Mr. Law further announced that it has been proposed that the IEEE Std 802.3bj-2014 amendment be dedicated to Hugh and asked if there was any objection to this. There was no objection.

Mr. Law invited any members of the Working Group who wished to share their memories of Hugh.

A one minute silence was held in remembrance of Brian Misek and Hugh Barrass.

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: J. D'Ambrosia

S: S. Trowbridge

Passed by voice vote without opposition 14-July 2014, 1:42 pm

Approval of March 2014 minutes

Please see http://www.ieee802.org/3/minutes/mar14/0314_minutes.pdf.

Mr. Law asked if there were any additions or corrections to the March 2014 minutes. There was no response. Mr. Law noted that the minutes were posted on 29 March 2014 and a minor correction was posted on 31 March 2014.

MOTION #2

Approve March 2014 Plenary meeting minutes.

M: S. Trowbridge

S: J. D' Ambrosia

Passed by voice vote without opposition 14-July 2014, 1:44 pm

Call for patents

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

Mr. Law reviewed the patent policy with the Working Group.

Mr. Law asked if anyone had or was aware of any essential IP or had a letter of assurance. No one responded. Mr. Law asked that Mr. Anslow record that:

- No letters of assurance were submitted
- The patent policy, per the latest PatCom slide set, was read
- 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/jul14/0714_802_3_opening_plenary.pdf.

General Working Group business

IEEE 802.3 Standards

Mr. Law discussed the latest IEEE 802.3 standards and drafts. Mr. Law noted the Get IEEE 802 URL. Mr. Law listed the current documents for this meeting, including the current revision.

IEEE Std 802.3TM-2012 (30th Aug 12 / 28th Dec 12)*

- IEEE Std 802.3bkTM-2013 (23rd Aug 13 / 30th Aug 13)*
- IEEE Std 802.3bjTM-2014 (12th Jun 14 / TBD)

IEEE Std 802.3.1TM-2013 (14th Jun 13 / 2nd Aug 13)*

* Available through Get IEEE 802 <http://standards.ieee.org/getieee802/802.3.html>

Note 1: Dates are Approval date / Publication date

Working Group activities since the March 2014 meeting

Please see http://www.ieee802.org/3/minutes/jul14/0714_802_3_opening_plenary.pdf.

12th through 16th May 2014, Norfolk, VA

- IEEE 802.3 Maintenance Task Force
- IEEE P802.3bm 40 Gb/s and 100 Gb/s Fiber Optic Task Force

- IEEE P802.3bn EPON Protocol over Coax (EPoC) Task Force
- IEEE P802.3bp 1000BASE-T1 PHY Task Force
- IEEE P802.3bq 40GBASE-T Task Force
- IEEE P802.3br Interspersing Express Traffic Task Force
- IEEE P802.3bs 400 Gb/s Ethernet Task Force
- IEEE P802.3bt DTE Power via MDI over 4-Pair Task Force
- IEEE P802.3bu 1-Pair Power over Data Lines (PoDL) Task Force
- IEEE 802.3 Gigabit Ethernet Over Plastic Optical Fiber Study Group
- IEEE 802.3 1 Twisted Pair 100 Mb/s Ethernet Study Group
- IEEE 802.3 Industry Connections NG-EPON ad hoc

Mr. Law expressed his thanks to the Ethernet Alliance for hosting the interim meeting.

IEEE 802.3 Ballots since the Last Plenary

Mr. Law noted the IEEE 802.3 ballots since the last meeting. Below is a summary of the ballots and ballot invitations that Mr. Law showed and can be found in the opening slides.

Working Group Ballots:

- IEEE P802.3bm 2nd recirculation

Sponsor Ballots:

- IEEE P802.3bm initial
- IEEE P802.3bj 2nd recirculation

Sponsor Ballot group formations

- None

Please see http://www.ieee802.org/3/minutes/jul14/0714_802_3_opening_plenary.pdf.

Documents

Mr. Law went over the current WG documents for this meeting's business.

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

- IEEE P802.3bm/D3.0 and initial Sponsor ballot comments

IEEE 802.3 Gigabit Ethernet Over Plastic Optical Fiber Study Group

- New [PAR request](#) and supporting [CSD](#) and [objectives](#)
IEEE P802.3bv Standard for Ethernet Amendment: Physical Layer Specifications and Management Parameters for 1000 Mb/s Operation Over Plastic Optical Fiber

IEEE 802.3 1 Twisted Pair 100 Mb/s Ethernet Study Group

- New [PAR request](#) and supporting [CSD](#) and [objectives](#)
IEEE P802.3bw Standard for Ethernet Amendment Physical Layer Specifications and Management Parameters for 100 Mb/s Operation over a Single Balanced Twisted Pair Cable (100BASE-T1)

Please see http://www.ieee802.org/3/minutes/jul14/0714_802_3_opening_plenary.pdf.

Attendance procedures, tool, books and address/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
- Maintain valid contact information
- Participate in 2 of last 3 WG ballots

Please see <http://ieee802.org/3/rules/index.html> for complete information.

Mr. Law emphasized that declaration of affiliation is a requirement to obtain credit for meeting attendance.

Mr. Law stated that the IEEE 802.3 Working Group will record meeting attendance using the IEEE-SA Meeting Attendance Tool.

Mr. Anslow reminded participants that, to use the tool, one must have an IEEE Web Account. Mr. Anslow presented a tutorial on how to acquire an IEEE Web Account and how to use the IEEE-SA Meeting Attendance tool.

Please see http://ieee802.org/3/minutes/jul14/0714_imat.pdf.

Mr. Anslow reminded participants to verify that the contact information (including employer) in their IEEE Web Account is current and correct. To maintain voting status, contact information must be up-to-date.

Mr. Anslow also reminded participants of the requirement to declare affiliation for this meeting and that this should be checked for correctness in the meeting attendance tool.

Review of voting membership

Please see http://www.ieee802.org/3/minutes/jul14/0714_voters.pdf.

Review of voters in peril

Please see http://www.ieee802.org/3/minutes/jul14/0714_peril.pdf.

Mr. Law pointed out that the list of voters in peril also showed "departing voters" who are 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/jul14/0714_potential.pdf.

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

Bouda, Martin
Brownlee, Phillip
Dawson, Fred
Furlong, Michael
Goergen, Joel

Hess, David
Hirai, Riu
Hormeyer, Bernd
Ishibe, Kazuhiko
Kobayashi, Shigeru

Kramer, Glen
Li, Shaohua
Liu, James
Lo, William
Muir, Ron
Muyschondt, Henry
Perez De Aranda Alonso, Ruben

Sprague, Edward
Sone, Yoshiaki
Scruton, Peter
Stencel, Leonard
Tipper, Alan
Tseng, Wen-Cheng
Zou, Gaoling

Reflectors and WG information

Mr. Law reviewed the reflector policy, the process for subscribing and unsubscribing to the reflector, and the web site.

Please see http://www.ieee802.org/3/minutes/jul14/0714_802_3_opening_plenary.pdf.

IEEE 802.3 Treasurer's report – Valerie Maguire

Please see http://ieee802.org/3/minutes/jul14/0714_treasury.pdf.

Standards Board report (March and June meetings)

Please see http://www.ieee802.org/3/minutes/jul14/0714_802_3_opening_plenary.pdf.

IEEE 802 Executive Committee report

Please see http://www.ieee802.org/3/minutes/jul14/0714_802_3_opening_plenary.pdf.

Mr. Law described the terms of the get802 program.

The current program has the following terms:

Essential terms:

- 1) \$75 of the registration fee (per attendee per plenary session) is allocated to the get program
- 2) 802 standards are made available at no charge 6 months after the date of publication

Secondary terms:

- 3) the agreement is between 802 LMSC and IEEE SA, renewable on annual basis, current term 01JAN2014 to 31DEC2014
- 4) 802 LMSC and SA agree to review the agreement annually at the July plenary session

Straw poll #1

Do you support the get802 program?

Yes 156, No 0, Abstain 14

17-July 2014, 2:38 pm

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/jul14/0714_802_3_opening_plenary.pdf.

Other 802 PARs under consideration this week (comments due by 17:00 Tuesday)

Please see http://www.ieee802.org/3/minutes/jul14/0714_agenda_open.pdf.

New Standard PAR

- IEEE P802.1AEcg Media Access Control (MAC) Security Amendment: Ethernet Data Encryption devices, [PAR](#) and [CSD](#)
- IEEE P802.1ARce Secure Device Identity Amendment: SHA-384 and P-384 Elliptic Curve, [PAR](#) and [CSD](#)
- IEEE P802.15.4s Low-Rate Wireless Personal Area Networks Amendment: Spectrum Resource Measurement, [PAR](#) and [CSD](#)
- IEEE P802.22.3 Standard Specifying Spectrum Occupancy Sensing (SOS) Measurement Devices and Means that Enable Coalescing the Results from Multiple Such Devices, [PAR](#) and [CSD](#)

PAR extension

- IEEE P802.11ah Wireless LAN MAC and PHY Specifications Amendment: Sub 1 GHz License-Exempt Operation [PAR](#) and [CSD](#)
- IEEE P802.11ai Wireless LAN MAC and PHY Specifications Amendment: Fast Initial Link Setup [PAR](#) and [CSD](#)

Mr. Law asked if anyone wished to chair an Ad Hoc to review these PARs and submit comments on behalf of the Working Group. There were no requests to do this.

Proposed [scope change of IEEE 802.24](#) and process for adding Task Groups for new areas of interest

- TG [scope document for a Smart Grid TG](#) (comments due by 17:00 Tuesday)

LIAISONS

External Liaison reports

ISO/IEC SC25/WG3 report – Alan Flatman

TIA TR-42 report – Valerie Maguire

Please see

http://www.ieee802.org/3/minutes/jul14/0714_TIA_TR-42_report_to_802d3.pdf.

Break at approximately 3:05 pm. Restarted at approximately 3:25 pm.

IEEE P1904 Access Networks Working Group report – Glen Kramer

Please see

http://www.ieee802.org/3/minutes/jul14/0714_P1904_report_to_802d3.pdf

External Liaison letters (new)

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

Consideration of this letter was deferred to the November 2014 meeting due the alignment of the ITU-T SG15 and IEEE 802.3 meeting schedules.

ITU SG15: Ethernet preamble and mapping into GFP-F [liaison letter](#)

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

ITU SG15: New work item on Generic Information Model for management of transport Network Elements (NE) [liaison letter](#)

Mr. Law asked Mr. Healey to add this as an item on the Maintenance meeting agenda.

ITU SG15: new versions of the Access Network Transport (ANT) standardization overview and work plan [liaison letter](#)

Consideration of this letter was deferred to the November 2014 meeting due the alignment of the ITU-T SG15 and IEEE 802.3 meeting schedules.

TIA TR42: High Performance Structured Cabling (HPSC) Applications [liaison letter](#) – Valerie Maguire

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

TIA TR42: TIA category 8 standard under development [liaison letter](#) and [attachment](#) – Valerie Maguire

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

External Liaison letters (new, information item)

IEEE P1905.1a: Updated information on the progress of P1905.1a [liaison letter](#)

OIF: OIF CEI-56G-USR, XSR, VSR and MR projects [liaison letter](#)

FUTURE MEETINGS

Mr. Carlson reviewed the future meeting plan. Please see

http://iee802.org/3/minutes/jul14/0714_meetings_open.pdf and

http://iee802.org/3/minutes/jul14/0714_nec_host_offer.pdf

IEEE 802.3 OPERATING RULES

Mr. Healey reviewed a set of proposed changes to the IEEE 802.3 Working Group operating rules. Please see

http://iee802.org/3/minutes/jul14/0714_rules_open_report.pdf

STATE OF THE STANDARD

Please see http://iee802.org/3/minutes/jul14/0714_state_of_std.pdf.

IEEE 802.3 Maintenance – Adam Healey

Please see http://iee802.org/3/minutes/jul14/0714_maint_open_report.pdf.

TASK FORCE AND STUDY GROUP REPORTS

IEEE P802.3bj 100 Gb/s Backplane and Copper Cable Task Force – Adam Healey

Please see http://iee802.org/3/minutes/jul14/0714_bj_open_report.pdf.

Mr. Law recognized Mr. Healey for his contribution to the development of the 802.3bj-2014 amendment.

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

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

Please see http://iee802.org/3/minutes/jul14/0714_bm_open_report.pdf.

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

Please see http://iee802.org/3/minutes/jul14/0714_bn_open_report.pdf.

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

Please see http://iee802.org/3/minutes/jul14/0714_bp_open_report.pdf.

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

Please see http://iee802.org/3/minutes/jul14/0714_bq_open_report.pdf.

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

Please see http://iee802.org/3/minutes/jul14/0714_br_open_report.pdf.

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

Please see http://iee802.org/3/minutes/jul14/0714_400g_open_report.pdf.

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

Please see http://iee802.org/3/minutes/jul14/0714_bt_open_report.pdf.

At 5:50 pm the meeting recessed to move to another meeting room.

At 6:05 pm the meeting resumed.

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

Please see http://iee802.org/3/minutes/jul14/0714_bu_open_report.pdf.

IEEE 802.3 Gigabit Ethernet Over Plastic Optical Fiber Study Group – Bob Grow

Please see http://iee802.org/3/minutes/jul14/0714_gepof_open_report.pdf.

IEEE 802.3 1 Twisted Pair 100 Mb/s Ethernet Study Group – Thomas Hogenmueller

Please see http://iee802.org/3/minutes/jul14/0714_1tcpe_open_report.pdf.

IEEE 802.3 Industry Connections NG-EPON ad hoc – Duane Remain

Please see http://iee802.org/3/minutes/jul14/0714_ngepon_open.pdf

Mr. Remain presented the NG-EPON ad hoc opening report on behalf of Mr. Frazier who was unavailable.

CALL FOR INTEREST

IEEE 802.3 25Gb/s operation over a single lane Call for Interest – Mark Nowell

Please see http://iee802.org/3/minutes/jul14/0714_25g_open_report.pdf

ROOM ASSIGNMENTS, AND SUBGROUP SCHEDULES

Mr. Carlson reviewed the room assignments.

ADJOURN

No other items of business were presented.

MOTION #3

Move to adjourn.

M: D. Remein

S: T. Hogenmueller

Procedural (> 50%)

Passed by voice vote without opposition 14-July 2014, 6:48 pm

Adjourned.

Approved Minutes
IEEE 802.3 Ethernet Working Group plenary
San Diego, CA, USA
July 14 to 17, 2014

<http://www.ieee802.org/3/minutes/jul14/index.html>

THURSDAY, JULY 17, 2014

ADMINISTRATIVE MATTERS

Call to order

Mr. David Law, Chair of the IEEE 802.3 Ethernet Working Group, called the meeting to order at 1:05 pm.

Welcome, introductions, and general announcements

Mr. Law introduced the officers of the IEEE 802.3 Working Group.

IEEE 802.3 Chair: David Law

IEEE 802.3 Vice-Chair: Adam Healey

IEEE 802.3 Secretary: Pete Anslow

IEEE 802.3 Executive Secretary: Steve Carlson

IEEE 802.3 Treasurer: Valerie Maguire

IEEE 802.3 Task Force chairs

- IEEE P802.3bj 100 Gb/s Backplane and Copper Cable: Adam Healey
- 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 802.3 Study Group chairs

- IEEE 802.3 Gigabit Ethernet Over Plastic Optical Fiber: Bob Grow
- IEEE 802.3 1 Twisted Pair 100 Mb/s Ethernet: Thomas Hogenmueller

Mr. Law asked the attendees to introduce themselves and announce their affiliation.

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/jul14/0714_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. 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. It was pointed out that the NGEPON item should be removed as this group met before the opening plenary.

MOTION #1

Motion to approve the agenda with the NGEPON items removed.

M: R. Grow

S: J. D’Ambrosia

Passed by voice vote without opposition 17-July 2014, 1:25 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 that Mr. Anslow 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 read the slides. Please see

http://www.ieee802.org/3/minutes/jul14/0714_802_3_closing_plenary.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/jul14/0714_voters.pdf.

Review of voters in peril

Please see http://www.ieee802.org/3/minutes/jul14/0714_peril.pdf.

Request for membership

Please see http://www.ieee802.org/3/minutes/jul14/0714_potential.pdf.

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

| | | |
|---------------------|----------------|-----------------|
| Brillhart, Theodore | Lukacs, Miklos | Shanbhag, Megha |
| Brown, Thomas | Murray, Dale | Ugolini, Alan |
| Dinh, Thuyen | Sasaki, Yasuo | Welch, Brian |

Reflectors and WG information

Mr. Law reviewed the reflector policy, the process for subscribing and unsubscribing to the reflector, and the web site.

Please see http://www.ieee802.org/3/minutes/jul14/0714_802_3_closing_plenary.pdf.

IEEE 802 Executive Committee items

Please see http://www.ieee802.org/3/minutes/jul14/0714_802_3_closing_plenary.pdf.

Mr. Law reviewed Executive Committee activities during the week.

Mr. Law noted that, since there was no input offered from the Working Group, he would vote on the PARs considered by the EC this week based on the discussion at the EC meeting.

External liaison letters

ITU SG15: Ethernet preamble and mapping into GFP-F

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

ITU SG15: New work item on Generic Information Model for management of transport Network Elements (NE)

Mr. Law noted that this item would be covered as part of the Maintenance closing plenary report.

TIA TR42: High Performance Structured Cabling (HPSC) Applications

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

TIA TR42: TIA category 8 standard under development

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

Future meetings actions – Steve Carlson

Please see http://iee802.org/3/minutes/jul14/0714_meetings_close.pdf.

There was some discussion on the proposed cost of the interim meeting offer in Atlanta. Ms. Maguire proposed a friendly amendment to limit the fee to \$350. This was not considered friendly. Mr. Thompson proposed a friendly amendment to add “as detailed in 0714_meetings_close.pdf”. This was considered as friendly. The motion as amended was then voted on.

MOTION #2

Move that IEEE 802.3 accept IEEE 802’s offer for the January 2015 interim in Atlanta as detailed in 0714_meetings_close.pdf.

M: S. Carlson

S: C. Jones

Procedural >50%

Y: 63, N: 25, A: 21

Passed 17-July 2014, 2:16 pm

Mr. McDonough presented the details of NEC’s offer for the September 2015 interim in Bonita Springs, Florida. See http://iee802.org/3/minutes/jul14/0714_nec_host_offer.pdf

MOTION #3

Move that IEEE 802.3 accept NEC’s offer for the September 2015 interim in Bonita Springs, Florida as detailed in 0714_nec_host_offer.pdf.

M: J. McDonough

S: J. D’Ambrosia

Procedural >50%

Passed by voice without opposition 17-July 2014, 2:27 pm

REPORTS

IEEE 802.3 Operating Rules

Mr. Healey reviewed the revised set of proposed changes to the IEEE 802.3 Working Group operating rules. Please see http://iee802.org/3/minutes/jul14/0714_rules_close_report.pdf

There was some discussion on the change to the initial WG ballot minimum duration.

MOTION #4

Approve the proposed IEEE 802.3 rules changes 1-03/14 (as revised) and 2-03/14 without a 30 day WG letter ballot.

M: A. Healey

S: J. D'Ambrosia

≥75%

Passed by voice vote 17-July 2014, 2:38 pm

IEEE 802.3 Maintenance – Adam Healey

Please see http://ieee802.org/3/minutes/jul14/0714_maint_close_report.pdf.

Mr. Healey presented the draft revision PAR in:

http://ieee802.org/3/maint/public/P802_3_PAR_Draft_1_0714.pdf

MOTION #5

Approve the IEEE P802.3 Revision PAR “P802_3_PAR_Draft_1_0714”.

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

Technical (≥75%)

Y: 89, N: 0, A: 4

Passed 17-July 2014, 2:57 pm

Mr. Healey explained that it has been proposed that IEEE Std 802.3.1-2013 be submitted to ISO/IEC JTC1/SC6 for approval per the PSDO agreement.

MOTION #6

Submit IEEE Std 802.3.1-2013 to ISO/IEC JTC 1/SC 6 for ratification under the PSDO agreement.

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

Technical (≥75%)

Y: 84, N: 0, A: 2

Passed 17-July 2014, 3:01 pm

Mr. Healey presented the draft liaison to ITU-T SG15 Q14 in:

http://ieee802.org/3/maint/public/healey_2_0714.pdf

MOTION #7

Approve IEEE_802d3_to_SG15_02_0714_draft.pdf with editorial license granted to the chair (or his appointed agent) as a liaison communication to ITU-T SG15 Q14.

M: A. Healey

S: J. D'Ambrosia

Technical ($\geq 75\%$)

Y: 80, N: 0, A: 3

Passed 17-July 2014, 3:11 pm

Break at approximately 3:12 pm. Restarted at approximately 3:33 pm.

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

Please see http://ieee802.org/3/minutes/jul14/0714_bm_close_report.pdf.

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

Please see http://ieee802.org/3/minutes/jul14/0714_bn_close_report.pdf.

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

Please see http://ieee802.org/3/minutes/jul14/0714_bp_close_report.pdf.

MOTION #8

Move to add an additional objective:

Support optional single-pair auto-negotiation mechanism within P802.3bp.

M: S. Carlson on behalf of the Task Force

Technical ($\geq 75\%$)

Passed by voice vote 17-July 2014, 3:59 pm

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

Please see http://ieee802.org/3/minutes/jul14/0714_bq_close_report.pdf.

Mr. Chalupsky presented the proposed liaison response to TIA TR-42. Please see: http://www.ieee802.org/3/minutes/jul14/outgoing/IEEE_802d3_to_TR42_0714_draft.pdf

MOTION #9

Move that IEEE 802.3 approve the text in IEEE_802d3_to_TR42_0714_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 TIA TR42.

M: D. Chalupsky

S: G. Zimmerman

Technical ($\geq 75\%$)

Passed by voice vote without opposition 17-July 2014, 4:10 pm

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

Please see http://ieee802.org/3/minutes/jul14/0714_br_close_report.pdf.

Mr. Winkel presented the proposed liaison response to ITU-T SG15. Please see: http://www.ieee802.org/3/minutes/jul14/outgoing/IEEE_802d3_to_SG15_01_0714_draft.pdf

MOTION #10

Move that IEEE 802.3 approve the text in IEEE_802d3_to_SG15_01_0714_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 ITU-T SG15.

M: L. Winkel

S: A. Ran

Technical ($\geq 75\%$)

Y: 82, N: 0, A: 3

Passed 17-July 2014, 4:24 pm

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

Please see http://ieee802.org/3/minutes/jul14/0714_bs_close_report.pdf.

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

Please see http://ieee802.org/3/minutes/jul14/0714_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/jul14/0714_bu_close_report.pdf.

IEEE 802.3 Gigabit Ethernet Over Plastic Optical Fiber Study Group – Bob Grow

Please see http://ieee802.org/3/minutes/jul14/0714_gepof_close_report.pdf.

Mr. Grow presented the IEEE P802.3bv Gigabit Ethernet over Plastic Optical Fiber (GEPOF) proposed objectives and proposed Motion #11.

There was discussion on the terminology associated with “in-line connectors”. Motion #12 was made to amend Motion #11.

MOTION #12

Amend the IEEE P802.3bv GEPOF objectives to change “4 in-line connectors” to “4 in-line connector pairs” and “1 in-line connector” to “1 in-line connector pair”.

M: A. Ran

S: P. Kolesar

Technical ($\geq 75\%$)

Y: 36 , N: 17, A: 30

Motion fails 17-July 2014, 5:11 pm

Motion #13 was made to amend Motion #11.

MOTION #13

Amend the IEEE P802.3bv GEPOF objectives to change “4 in-line connectors” to “4 POF connections” , “no in-line connectors” to “no POF connections” and “1 in-line connector” to “1 POF connection”.

M: S. Swanson

S: J. Abbott

Technical ($\geq 75\%$)

Y: 34, N: 8, A: 34

Passed 17-July 2014, 5:20 pm

Motion #11 as modified by Motion #13 was then voted on.

MOTION #11

Move that 802.3 approve the IEEE P802.3bv GEPOF objectives, as per 0714_gepof_close_report.pdf

M: B. Grow on behalf of the Study Group.

Technical ($\geq 75\%$)

Y: 50, N: 6, A: 15

Passed 17-July 2014, 5:30 pm

Mr. Grow presented the IEEE P802.3bv Gigabit Ethernet over Plastic Optical Fiber (GEPOF) proposed CSD “Managed Objects” response.

MOTION #14

Move to approve the Managed Objects response of the Criteria for Standards Development (CSD) of 0714_gepof_close_report.pdf

M: B. Grow on behalf of the Study Group

Technical ($\geq 75\%$)

Y: 55, N: 0, A: 16

Passed 17-July 2014, 5:35 pm

Mr. Grow presented the IEEE P802.3bv Gigabit Ethernet over Plastic Optical Fiber (GEPOF) proposed CSD “Broad Market Potential” response.

There was discussion as to whether broad market potential had been adequately established.

MOTION #15

Move to approve the Broad Market Potential response of the Criteria for Standards Development (CSD) of 0714_gepof_close_report.pdf.

M: B. Grow on behalf of the Study Group

Technical ($\geq 75\%$)

Y: 35, N: 13, A: 29

Motion fails 17-July 2014, 5:47 pm

Mr. Grow asked the meeting for comments on whether there were concerns over other CSD responses that had not yet been voted on. There were several responses to this.

MOTION #16

Move that 802.3 approve a first extension of the GEPOF Study Group.

M: B. Grow on behalf of the Study Group

> 50%

Y: 70, N: 0, A: 1

Passed 17-July 2014, 6:02 pm

IEEE 802.3 1 Twisted Pair 100 Mb/s Ethernet Study Group – Thomas Hogenmueller

Please see http://ieee802.org/3/minutes/jul14/0714_1tpe_close_report.pdf.

Mr. Hogenmueller presented the IEEE P802.3bw 1 Twisted Pair 100 Mb/s Ethernet proposed CSD “Broad Market Potential” response.

MOTION #17

Approve the P802.3bw 100BASE-T1 PHY Project response to the Broad Market Potential criteria per 0714_1tpe_close_report.pdf

M: K. Matheus

S: M. Tazebay

Technical ($\geq 75\%$)

Y: 61, N: 0, A: 1

Passed 17-July 2014, 6:11 pm

Mr. Hogenmueller presented the IEEE P802.3bw 1 Twisted Pair 100 Mb/s Ethernet proposed CSD “Compatibility” response.

MOTION #18

Approve the P802.3bw 100BASE-T1 PHY Project response to the Compatibility criteria per 0714_1tpe_close_report.pdf.

M: G. Thompson

S: H. Muyshondt

Technical ($\geq 75\%$)

Y: 67, N: 0, A: 1

Passed 17-July 2014, 6:13 pm

Mr. Hogenmueller presented the IEEE P802.3bw 1 Twisted Pair 100 Mb/s Ethernet proposed CSD “Distinct Identity” response.

MOTION #19

Approve the P802.3bw 100BASE-T1 PHY Project response to the Distinct Identity criteria per 0714_1tpe_close_report.pdf.

M: S. Pandey

S: S. Valle

Technical ($\geq 75\%$)

Y: 69, N: 0, A: 1

Passed 17-July 2014, 6:15 pm

Mr. Hogenmueller presented the IEEE P802.3bw 1 Twisted Pair 100 Mb/s Ethernet proposed CSD “Technical Feasibility” response.

MOTION #20

Approve the P802.3bw 100BASE-T1 PHY Project response to the Technical Feasibility criteria per 0714_1tcpe_close_report.pdf.

M: M. Tazebay

S: T. Hogenmueller

Technical ($\geq 75\%$)

Y: 73, N: 0, A: 1

Passed 17-July 2014, 6:19 pm

Mr. Hogenmueller presented the IEEE P802.3bw 1 Twisted Pair 100 Mb/s Ethernet proposed CSD “Economic Feasibility” response.

MOTION #21

Approve the P802.3bw 100BASE-T1 PHY Project response to the Economic Feasibility criteria per 0714_1tcpe_close_report.pdf.

M: K. Matheus

S: S. Pandey

Technical ($\geq 75\%$)

Y: 70, N: 0, A: 0

Passed 17-July 2014, 6:20 pm

Mr. Hogenmueller presented the IEEE P802.3bw 1 Twisted Pair 100 Mb/s Ethernet proposed CSD “Managed Objects” response.

MOTION #22

Approve the P802.3bw 100BASE-T1 PHY Project response to the Managed Objects criteria per 0714_1tcpe_close_report.pdf.

M: G. Thompson

S: M. Tazebay

Technical ($\geq 75\%$)

Y: 69, N: 0, A: 0

Passed 17-July 2014, 6:23 pm

MOTION #23

Approve the CSD package for P802.3bw.

M: G. Thompson

S: J. D'Ambrosia

Technical ($\geq 75\%$)

Y: 69, N: 0, A: 4

Passed 17-July 2014, 6:25 pm

Mr. Hogenmueller presented the IEEE P802.3bw 1 Twisted Pair 100 Mb/s Ethernet proposed objectives.

Mr. Kolesar proposed a friendly amendment to replace the last objective on slide 1 of 20140513_V2_Objectives.pdf with:

“Support optional operation with run-time configuration, that specifies a maximum allowable time from power_on**=FALSE to a state capable of transmitting and receiving valid data “

this was accepted.

MOTION #23

Approve the P802.3bw 100BASE-T1 PHY Project Objectives as listed on http://www.ieee802.org/3/1TPCESG/public/20140513_V2_Objectives.pdf

M: T. Hogenmueller

S: M. Tazebay

Technical ($\geq 75\%$)

Passed by voice without opposition 17-July 2014, 6:36 pm

Mr. Hogenmueller presented the IEEE P802.3bw 1 Twisted Pair 100 Mb/s Ethernet proposed PAR.

MOTION #24

Approve the P802.3bw 100BASE-T1 PHY PAR as shown on http://www.ieee802.org/3/1TPCESG/public/P802_3bw_PAR_220514.pdf

M: T. Hogenmueller

S: M. Tazebay

Technical ($\geq 75\%$)

Y: 66, N: 0, A: 0

Passed 17-July 2014, 6:42 pm

MOTION #25

Extend the 1 Twisted Pair 100 Mb/s Ethernet PHY Study Group until the next plenary session.

M: G. Thompson

S: T. Hogenmueller

> 50%

Y: 72, N: 0, A: 0

Passed 17-July 2014, 6:43 pm

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

CALL FOR INTEREST**25Gb/s operation over single lane – Mark Nowell**

Please see http://ieee802.org/3/minutes/jul14/0714_25g_close_report.pdf

MOTION #26

Request that the IEEE 802.3 WG form a study group to develop a PAR and CSD for: 25 Gigabit/s Ethernet over a single lane for server interconnects.

M: M. Nowell

S: H. Frazier

> 50%

Y: 61, N: 0, A: 5

Passed 17-July 2014, 6:50 pm

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

OTHER BUSINESS

No other items of business were presented.

ADJOURN

MOTION #27

Move to adjourn.

M: J. D' Ambrosia

S: M. Dudek

Procedural (> 50%)

Passed by voice without opposition 17-July 2014, 6:53 pm

Adjourned.

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

http://ieee802.org/3/minutes/jul14/0714_attendance_san_diego.pdf