

Approved Minutes
IEEE 802.3 Ethernet Working Group PLENARY
Grand Hyatt, San Antonio, TX USA
November 12-15, 2012
<http://www.ieee802.org/3/minutes/nov12/index.html>

MONDAY, November 12, 2012

ADMINISTRATIVE MATTERS

Call to order

Mr. David Law, Chair of the IEEE 802.3 Ethernet Working Group, called the meeting to order at 1:02 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: Wael William Diab

IEEE 802.3 Secretary: Adam Healey

IEEE 802.3 Executive Secretary: Steve Carlson

IEEE 802.3 Treasurer: Valerie Maguire

IEEE 802.3 Task Force chairs

- IEEE P802.3.1 (IEEE 802.3.1a) Ethernet MIBs (revision): Howard Frazier
- IEEE P802.3bj 100 Gb/s Backplane and Copper: John D'Ambrosia
- IEEE P802.3bk Extended Ethernet Passive Optical Network: Marek Hajduczenia
- IEEE P802.3bm 40Gb/s and 100 Gb/s Optical Ethernet: Dan Dove
- IEEE P802.3bn EPON Protocol over a Coax (EPoC): Mark Laubach

IEEE 802.3 Study Group chairs

- IEEE 802.3 Reduced Twisted Pair Gigabit Ethernet (RTPGE): Steve Carlson
- IEEE 802.3 Next Generation BASE-T: Bill Woodruff

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/nov12/1112_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. Kipp noted that he may post the results of this meeting to a blog hosted by the Ethernet Alliance.

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

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

Review and approval of agenda

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

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

Mr. Law asked if there were any additions to the draft agenda. None responded.

MOTION #1

Approve the agenda.

M: M. Hajduczenia

S: M. Laubach

Passed by voice vote without opposition 12-November-2012 1:21 pm

Approval of July 2012 minutes

Please see http://www.ieee802.org/3/minutes/jul12/minutes_0712.pdf.

Mr. Law asked if there were any additions or corrections to the July 2012 minutes. Mr. Law noted that the minutes were posted September 11, 2012.

MOTION #2

Approve July 2012 Plenary Meeting minutes.

M: P. Anslow

S: D. Remein

Passed by voice vote without opposition 12-November-2012 1:22 pm

Call for patents

Please see

<https://development.standards.ieee.org/myproject/Public/mytools/mob/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, and no one came forth. Mr. Law asked that Mr. Healey 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/nov12/1112_802_3_opening_plenary.pdf.

General Working Group business

Published 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 802.3™-2012 (30 Aug 12 / TBD)

IEEE Std 802.3.1™-2011 (16 May 11 / 5 Jul 11)*

* 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 July 2012 meeting

Please see http://www.ieee802.org/3/minutes/nov12/1112_802_3_opening_plenary.pdf.

23rd through 28th September 2012 Geneva, Switzerland

- IEEE 802.3 Maintenance Task Force
- IEEE P802.3.1 (IEEE 802.3.1a) Ethernet MIBs Task Force
- IEEE P802.3bj 100 Gb/s Backplane and Copper Task Force
- IEEE P802.3bk Extended EPON Task Force
- IEEE P802.3bm 40Gb/s and 100 Gb/s Optical Ethernet Task Force
- IEEE P802.3bn EPON Protocol over a Coax Task Force
- IEEE 802.3 Reduced Twisted Pair Gigabit Ethernet Study Group
- IEEE 802.3 Next Generation BASE-T Study Group
- IEEE 802.3 Industry Connections Higher Speed Ethernet Ad Hoc

28th and 29th October, Hangzhou, China

- IEEE P802.3bn EPON Protocol over a Coax Task Force

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 they can be found in opening slides.

Working Group Ballots:

- IEEE P802.3.1 (IEEE 802.3.1a) 2nd recirculation

Sponsor Ballots:

- IEEE P802.3 (IEEE 802.3bh) 3rd recirculation

Sponsor Ballots group formations:

- IEEE P802.3.1 (IEEE 802.3.1a)

Please see http://www.ieee802.org/3/minutes/nov12/1112_802_3_opening_plenary.pdf.

Documents

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

IEEE P802.3.1 (IEEE 802.3.1a) Ethernet MIBs (revision)

- IEEE P802.3.1/D1.2 (2nd Working Group recirculation ballot) and ballot comments

IEEE P802.3bk Extended EPON Task Force

- IEEE P802.3bk/D1.2 (Working Group preview)

IEEE 802.3 Reduced Twisted Pair Gigabit Ethernet Study Group

- IEEE P802.3bp Amendment: Physical Layer Specifications and Management Parameters for 1 Gb/s Operation over Fewer than Three Twisted Pair Copper Cable draft PAR and 5C

Please see http://www.ieee802.org/3/minutes/nov12/1112_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. Healey reminded participants that, to use the tool, one must have an IEEE Web Account. Mr. Healey 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/nov12/1112_imat.pdf.

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

Mr. Healey also reminded participants of the requirement to declare affiliation for this meeting and that this requirement is enforced by the meeting attendance tool.

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/nov12/1112_802_3_opening_plenary.pdf.

Review of voting membership

Please see http://www.ieee802.org/3/minutes/nov12/1112_voters.pdf.

Review of voters in peril

Please see http://www.ieee802.org/3/minutes/nov12/1112_peril.pdf.

Request for membership

Please see http://www.ieee802.org/3/minutes/nov12/1112_potential.pdf.

Mr. Law went through the Potential Voters list. Mr. Healey recorded the respondents.

Abramson, David
Ben-Artzi, Liav
Bevilacqua, John
Chang, Jacky
Cook, Charles
Darling, Mike
Erba, Simone
Forbes, Harry
Garavaglia, Andrea
Hogenmueller, Thomas
Holden, Brian
Huang, Liang-wei
Koenen, David

Kuo, Albert
Matheus, Kirsten
Montejo, Juan
Nicholl, Gary
Parnaby, Gavin
Pietsch, Christian
Stevens, Daniel
Sundaresan, Karthik
Tajima, Akio
Teipen, Brian
Varanese, Nicola
Wall, Bill
Wang, Xiaofeng
Xu, Yu

IEEE 802.3 Treasurer's report – Valerie Maguire

Please see http://iee802.org/3/minutes/jul12/0712_treasury.pdf.

Ms. Maguire presented the draft of a letter to Ms. Elizabeth Kochuparambil expressing gratitude to Cisco Systems for their donation to the IEEE 802.3 Working Group.

MOTION #3

Approve

http://www.ieee802.org/3/minutes/nov12/outgoing/cisco_donation_response_1112.pdf, providing editorial license to the Working Group chair or his designate, as an informal communication from the IEEE 802.3 Working Group.

M: V. Maguire

S: S. Carlson

Passed by voice vote without opposition 12-November-2012 2:00 pm

There was a question regarding the payment for additional services required from the ITU during the joint IEEE 802.3 interim meeting. Mr. Law pointed out that access to the ITU building on the Saturday for the workshop was paid for by the IEEE-SA and the IEEE 802.3 will only pay for access on the Sunday for the first day of the interim.

Standards Board report (August meeting)

Please see http://www.ieee802.org/3/minutes/nov12/1112_802_3_opening_plenary.pdf.

LMSC Executive Committee report

Please see http://www.ieee802.org/3/minutes/nov12/1112_802_3_opening_plenary.pdf.

Mr. Law appointed Mr. Thompson to chair an ad hoc to review proposed changes to the 5 Criteria and submit comments on behalf of the IEEE 802.3 Working Group (by Tuesday at 5 pm).

IEEE-SA - European Telecommunication Standards Institute (ETSI) MoU renewal

Mr. Law summarized the MoU and the renewal process. Please see http://www.ieee802.org/3/minutes/nov12/1112_802_3_opening_plenary.pdf.

IEEE 802.24 Smart Grid Technical Advisory Group (TAG)

Mr. Law pointed out that Mr. D'Ambrosia has agreed to put together a contribution to IEEE 802.24 tutorial. Mr. D'Ambrosia reviewed the contribution. Please see http://www.ieee802.org/3/minutes/nov12/802d3_802d24_tutorial.pdf.

Mr. Law appointed Bill Delveaux to be the 802.3 liaison to 802.24 for this meeting only. Mr. Law is soliciting volunteers to serve as the liaison in the longer term.

Mr. Law also stated that Ethernet needed to be added to the Smart Grid catalog. This requires completion of a (long) form, and Mr. Law solicited volunteers to do this.

IEEE-SA RAC OUI tier proposals

Mr. Thompson presented the proposal for IEEE-SA RAC OUI tiers. Please see http://www.ieee802.org/3/minutes/nov12/1112_RAC_OUI_tiers.pdf.

EC Meetings for the week

Mr. Law reviewed the schedule of EC meetings for the November 2012 plenary week.

Please see http://www.ieee802.org/3/minutes/nov12/1112_802_3_opening_plenary.pdf.

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

New Standard PARs

- IEEE P802.21.1 - Media Independent Services

Amendment PARs

- IEEE P802.1ACby - Support by Ethernet over Media Oriented Systems Transport
- IEEE P802.1Qbz - Enhancements to Bridging of IEEE 802.11
- IEEE P802.1Qca - Path Control and Reservation
- IEEE P802.11ak - WLAN: Enhancements for Transit Links within Bridged Networks
- IEEE P802.11aq - WLAN: Pre-Association Discovery
- IEEE P802.15q - WPAN: Ultra Low Power
- IEEE P802.16r - BWA: Small Cell Backhaul (SCB) Applications
- IEEE P802.22.1a - WRAN: Advanced beaconing for spectrum sharing with radars, fixed or mobile space to earth stations, RF sensors, mobile, nomadic, transportable systems and other services

Revision PARs

- IEEE P802.21 - Media Independent Services Framework

Please see http://www.ieee802.org/3/minutes/nov12/1112_agenda_open.pdf.

Mr. Thompson asked if the P802.21.1 PAR had any impact on 802.3. A quick review of the PAR did not reveal any obvious impact.

Mr. Law asked if anyone was interested in reviewing and possibly commenting on any of the new PARs. Mr. Law appointed Mr. Thompson to run an ad hoc and submit comments on behalf of 802.3, as necessary, by Tuesday 5 pm. This will be scheduled to immediately follow the discussion of the proposed changes to the 5 Criteria.

Liaison Reports

External Liaison reports

ISO/IEC SC25/WG3 report – Alan Flatman

Please see

http://www.ieee802.org/3/minutes/nov12/incoming/SC25_WG3_Geneva_report_for_802_d3_Nov_2012.pdf.

Break at approximately 3:10 pm. Restarted at approximately 3:25 pm.

External Liaison reports (continued)

TIA TR-42 report – Valerie Maguire

Please see

http://www.ieee802.org/3/minutes/nov12/incoming/Nov_2012_TIA_Liaison_Presentation.pdf.

External Liaison letters

Broadband Forum: WT-304 Broadband Service Attributes and Performance Metrics

Mr. Law noted that this letter was addressed to IEEE 802 chair but in turn shared the letter with the IEEE 802.1 and IEEE 802.3 Working Groups. Mr. Law reviewed the content of the letter.

Mr. Trowbridge observed that it pertains to the management of devices. Mr. Law observed that this is an information item and did not require a response.

Deutsche Kommission Elektrotechnik (DKE): Gigabit Ethernet over Plastic Optical Fibre

Mr. Law reviewed the content of the letter and some of the background behind this topic.
Mr. Law observed that this is an information item and did not require a response.

ISO/IEC SC 25/WG3: 40 Gb/s cabling systems

Mr. Law chartered the NGBASE-T Study Group to review the letter and generate a response and/or recommended actions for consideration at the closing plenary.

ITU-T SG15: ANT Standardization Work Plan – Steve Trowbridge

Mr. Trowbridge observed that, due to the timing of the ITU-T SG15 plenary meeting, that a response to this letter should be generated at the March 2013 plenary meeting.

ITU-T SG15: OTNT Standardization Work Plan – Steve Trowbridge

Mr. Trowbridge observed that, due to the timing of the ITU-T SG15 plenary meeting, that a response to this letter should be generated at the March 2013 plenary meeting.

OIF CEI-28G-VSR Project (information item)

Mr. Law reviewed the contents of the letter and attachment. Mr. Law observed that the letter was addressed to the IEEE P802.3bm Task Force and would be responsible for generating a response as needed.

OIF Multi-link Gearbox (MLG) 2.0 Project – Steve Trowbridge

Mr. Trowbridge reviewed the contents of the letter and attachment. Mr. Law requested that Mr. Trowbridge draft a response for consideration at the closing plenary meeting.

TIA-42 ANSI/TIA-568-C.2-1 project – Valerie Maguire

Mr. Law chartered the NGBASE-T Study Group to review the letter and generate a response and/or recommended actions for consideration at the closing plenary.

STATE OF THE STANDARD

Please see http://ieee802.org/3/minutes/nov12/1112_state_of_std.pdf.

IEEE 802.3 Maintenance – Wael Diab

Please see http://ieee802.org/3/minutes/nov12/1112_maint_open_report.pdf.

TASK FORCE AND STUDY GROUP REPORTS

IEEE P802.3.1 (IEEE 802.3.1a) Ethernet MIBs (revision) Task Force – Howard Frazier

Mr. Law noted that Mr. Frazier was not able available to present the opening report and gave a verbal update on the status of IEEE P802.3.1a.

Mr. Thompson gave an update on the IEEE 802/IETF leadership meeting at Mr. Law's request. IEEE 802 is going to work on providing notification of PARs when prior to consideration by the IEEE 802 EC (Ms. Pat Thaler has been designated to lead this initiative).

IEEE P802.3bj 100 Gb/s Backplane and Copper Task Force – John D’Ambrosia
Please see http://iee802.org/3/minutes/nov12/1112_bj_open_report.pdf.

IEEE P802.3bk Extended EPON Task Force
Please see http://iee802.org/3/minutes/nov12/1112_bk_open_report.pdf.

IEEE 802.3bm 40 Gb/s and 100 Gb/s Optical Ethernet Task Force
Please see http://iee802.org/3/minutes/nov12/1112_bm_open_report.pdf.

IEEE 802.3bn EPON Protocol over a Coax (EPoC) PHY Task Force – Mark Laubach
Please see http://iee802.org/3/minutes/nov12/1112_bn_open_report.pdf.

IEEE 802.3 Reduced Twisted Pair Gigabit Ethernet Study Group – Steve Carlson
Please see http://iee802.org/3/minutes/nov12/1112_rtpge_open_report.pdf.

IEEE 802.3 Next Generation BASE-T Study Group – Bill Woodruff
Mr. Law noted that Mr. Woodruff was not about to attend this meeting so he asked Mr. David Chalupsky, Vice Chair of the Study Group, to present the opening report instead.

Please see http://iee802.org/3/minutes/nov12/1112_ngbaset_open_report.pdf.

IEEE 802.3 Higher Speed Ethernet consensus industry connection activity – John D’Ambrosia
Please see http://iee802.org/3/minutes/nov12/1112_hseic_open_report.pdf.

CALL FOR INTEREST

Distinguished minimum latency traffic in a converged traffic environment – Ludwig Winkel
Please see http://iee802.org/3/minutes/jul12/0712_dmlt_open_report.pdf.

FUTURE MEETINGS, ROOM ASSIGNMENTS, AND SUBGROUP SCHEDULES

Mr. Carlson reviewed the future meeting plan. Please see http://iee802.org/3/minutes/nov12/1112_meetings_open.pdf.

Mr. Carlson presented information on the January 2013 IEEE 802.3 interim session in Phoenix, AZ hosted by Luxtera.
Please see http://www.iee802.org/3/minutes/nov12/1112_jan13_pheonix_luxtera.pdf.

Mr. D’Ambrosia presented information on the May 2013 IEEE 802.1 and IEEE 802.3 joint interim session in Victoria, BC hosted by the Ethernet Alliance.
Please see http://www.iee802.org/3/minutes/nov12/1112_may13_victoria_ea.pdf.

Mr. Messenger presented a proposal for a September 2013 IEEE 802.1 and IEEE 802.3 joint interim session in York, UK hosted by ADVA Optical Networking.

Please see

http://www.ieee802.org/3/minutes/mar13/0313_jan14_interim_proposal_xilinx.pdf.

Please see http://ieee802.org/3/minutes/mar13/0313_rooms.pdf for room assignments.

ADJOURN

MOTION #4

Motion to adjourn.

M: M. Hajduczenia

S: J. D'Ambrosia

Passed by voice vote without opposition 12-November-2012 5:55 pm

Adjourned.

Approved Minutes
IEEE 802.3 Ethernet Working Group PLENARY
Grand Hyatt, San Antonio, TX USA
November 12-15, 2012
<http://www.ieee802.org/3/minutes/nov12/index.html>

THURSDAY, November 15, 2012

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: Wael William Diab

IEEE 802.3 Secretary: Adam Healey

IEEE 802.3 Executive Secretary: Steve Carlson

IEEE 802.3 Treasurer: Valerie Maguire

IEEE 802.3 Task Force chairs

- IEEE P802.3.1 (IEEE 802.3.1a) Ethernet MIBs (revision): Howard Frazier
- IEEE P802.3bj 100 Gb/s Backplane and Copper: John D'Ambrosia
- IEEE P802.3bk Extended Ethernet Passive Optical Network: Marek Hajduczenia
- IEEE P802.3bm 40Gb/s and 100 Gb/s Optical Ethernet: Dan Dove
- IEEE P802.3bn EPON Protocol over a Coax (EPoC): Mark Laubach

IEEE 802.3 Study Group chairs

- IEEE 802.3 Reduced Twisted Pair Gigabit Ethernet (RTPGE): Steve Carlson
- IEEE 802.3 Next Generation BASE-T: Bill Woodruff

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/nov12/1112_802_3_close_plenary.pdf.

Mr. Law asked if anyone was attending from the press including those who would run a public blog on this meeting. None responded.

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.

Approval of the Agenda

Mr. Law asked if there were any additions to the draft agenda. None responded.

MOTION #1

Motion to approve the agenda.

M: M. Hajduczenia

S: S. Trowbridge

Passed by voice vote without opposition 15-November-2012 1:19 pm

Call for patents

Please see

<https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.pdf>.

Mr. Law asked if anyone had not seen the patent slides during the meeting week. None 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. Healey 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/nov12/1112_802_3_close_plenary.pdf.

General WG business

Membership and Attendance

Mr. Law reminded participants that attendance is being recorded by 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/nov12/1112_voters.pdf.

Review of voters in peril

Please see http://www.ieee802.org/3/minutes/nov12/1112_peril.pdf.

Request for membership

Please see http://www.ieee802.org/3/minutes/nov12/1112_potential.pdf.

Mr. Law went through the Potential Voters list. Mr. Healey recorded the respondents.

Bates, Stephen
Bergey, Chris
Dai, Shaoan
Hanna, Charaf
Horner, Rita
Kinnard, Brian
Kliger, Avi
Ko, Dylan
Pardo, Carlos
Martin, Arlon

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/nov12/1112_802_3_close_plenary.pdf.

Mr. D'Ambrosia asked if anyone present attended any of the "office hours" sessions established to discuss the availability of IT services in the wake of Hurricane Sandy. Mr. Thompson stated he did attend and provided a brief summary of the meeting.

LMSC Executive Committee items

Please see http://www.ieee802.org/3/minutes/nov12/1112_802_3_close_plenary.pdf.

IEEE 802.24 Smart Grid Technical Advisory Group (TAG) – Bill Delveaux

Please see http://www.ieee802.org/3/minutes/nov12/802d24_liaison_report.pdf.

IEEE-SA – European Telecommunication Standards Institute (ETSI) MoU renewal
Mr. Law described the IEEE-SA – ETSI MoU.

MOTION #2

The IEEE 802.3 Working Group agrees to be included in the ETSI Technical Cooperation Agreement annex.

M: M. McCormack

S: K. Lusted

Technical ($\geq 75\%$)

Y: 134, N: 0, A: 4

Passed 15-November-2012 1:49 pm

New five criteria review and PAR review – Geoff Thompson

Mr. Law asked Mr. Thompson to report on the new five criteria review. It was noted that no comments were submitted by 802.3 on the PARs under consideration this week.

Mr. Thompson reviewed the comments submitted against the proposed five criteria changes on behalf of 802.3.

Please see http://www.ieee802.org/3/minutes/nov12/802d3_5C_comments.pdf.

Plenary meeting fees – Steve Carlson

Mr. Carlson summarized the discussion around increasing plenary meeting fees. Mr. Law presented the proposed fee schedule. There was some discussion of the proposed increase.

External liaison letters

Broadband Forum: WT-304 Broadband Service Attributes and Performance Metrics

Mr. Law noted that the IEEE P802.3.1 Ethernet MIBs Task Force reviewed the letter and that Mr. Frazier it will be discussed as part of his closing report.

ISO/IEC SC 25/WG3: 40 Gb/s cabling systems

Mr. Law noted that this letter will be covered as part of the NGBASE-T study group report.

OIF Multi-link Gearbox (MLG) 2.0 Project – Steve Trowbridge
Mr. Trowbridge presented a draft of the liaison response.

MOTION #3

Move that 802.3 approve the text in trowbridge_01_1211.pdf, with editorial license granted to the Chair (or his appointed agent) as a liaison communication from the 802.3 working group to the Optical Internetworking Forum (OIF).

M: Steve Trowbridge
S: P. Anslow

Procedural (> 50%)

Passed by voice without opposition 15-November-2012 2:24 pm

TIA-42 ANSI/TIA-568-C.2-1 project

Mr. Law not that this letter will be covered as part of the NGBASE-T study group report.

Future meetings – Steve Carlson

Please see http://www.ieee802.org/3/minutes/nov12/1112_meetings_close.pdf.

MOTION #4

Accept the hosting offer detailed in http://iee802.org/3/minutes/nov12/1112_sep13_york_adv.pdf for a joint 802.1/802.3 interim in York, UK the week of 2 September 2013.

M: D. Remein
S: M. Hajduczenia

Procedural (> 50%)
Y: 48, N: 27, A: 31

Passed 15-November-2012 2:42 pm

REPORTS

IEEE 802.3 Maintenance – Wael Diab

Please see http://www.ieee802.org/3/minutes/nov12/1112_maint_close_report.pdf.

IEEE P802.3.1 (IEEE 802.3.1a) Ethernet MIBs (revision) Task Force – Howard Frazier

Please see http://iee802.org/3/minutes/nov12/1112_1a_close_report.pdf.

Mr. Frazier reported that they reviewed the letter from the Broadband Forum and concluded that no action was required on the part of the IEEE 802.3.1 Ethernet MIB modules Task Force, or the IEEE 802.3 Ethernet Working Group.

MOTION #5

Grant approval to progress IEEE Draft P802.3.1a to IEEE 802 LMSC sponsor ballot.

M: H. Frazier
S: M. Hajduczenia

Technical ($\geq 75\%$)
Y: 92, N: 0, A: 8

Passed 15-November-2012 3:03 pm

Break at approximately 3:00 pm. Restarted at approximately 3:25 pm.

IEEE P802.3bj 100 Gb/s Backplane and Copper Task Force – John D’Ambrosia
Please see http://ieee802.org/3/minutes/nov12/1112_bj_close_report.pdf.

MOTION #6

Move that 802.3 approve the revisions to:

- IEEE P802.3bj PAR, as per http://www.ieee802.org/3/bj/public/nov12/P802_3bj_PAR_modification_12_1114.pdf
- IEEE P802.3bj Task Force 5 Criteria Responses, as per 1112_bj_close_report.pdf

M: J. D’Ambrosia on behalf of the Task Force

Technical ($\geq 75\%$)
Y: 83, N: 0, A: 2

Passed 15-November-2012 3:39 pm

It was clarified the 5 criteria responses in the report 1112_bj_close_report were identical to what was submitted on the EC reflector.

IEEE P802.3bk Extended EPON Task Force – Marek Hajduczenia
Please see http://ieee802.org/3/minutes/nov12/1112_bk_close_report.pdf.

Mr. Law asked if anyone in the room wanted to see the changes to the IEEE P802.3bk draft relative to the version that was submitted for Working Group preview. None responded.

MOTION #7

- Request that 802.3 circulate IEEE P802.3bk Draft 2.0 for a 35 day 802.3 Working Group Ballot and conduct recirculations as necessary.
- Authorize IEEE P802.3bk Task Force to respond to comments

M: M. Hajduczenia on behalf of the Task Force

Technical ($\geq 75\%$)

Y: 92, N: 0, A: 0

Passed 15-November-2012 3:47 pm

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

Please see http://ieee802.org/3/minutes/nov12/1112_bm_close_report.pdf.

Mr. Dove reviewed changes to the objectives, 5 criteria responses, and the PAR for support of Energy Efficient Ethernet.

MOTION #8

Move the 802.3 approve the new objective to IEEE P802.3bm Task Force objectives, as per 1112_bm_close_report.pdf

- Specify optional Energy Efficient Ethernet (EEE) for 40 Gb/s and 100 Gb/s operation over fiber optic cables

M: D. Dove

S: B. Booth

Technical ($\geq 75\%$)

Passed by voice without opposition 15-November-2012 4:01 pm

MOTION #9

- Approve the changes to IEEE P802.3bm PAR and 5C responses as per 1112_bm_close_report.pdf.
- The 802.3 Working Group chair pre-submit the amended PAR and 5 criteria responses to the 802 Executive Committee for consideration at the March 2013 Plenary Session, subject to the final approval of the Working Group.

M: D. Dove

S: P. Anslow

Technical ($\geq 75\%$)

Passed by voice without opposition 15-November-2012 4:17 pm

Mr. D'Ambrosia requested that a note to 8.1 be added to indicate the scope change and also requested an update to the response to the compatibility criteria. Mr. Law pointed out that further modification to the 5 criteria responses would be required if the EC approves change the 5 criteria.

There was friendly amendment to motion #9 remove the footnote and move it to the body of the motion.

Mr. Law noted that he does not need to be directed to pre-submit documents to the EC.

There were some questions regarding the process. Mr. Law indicated that he intends to pre-submit the document, with appropriate modifications made by the Task Force at the January 2013 interim, to the EC 30 days prior to the March 2013 plenary session.

A friendly amendment to motion #9 clarified the intent of the second bullet.

IEEE P802.3bn EPON Protocol over a Coax (EPoC) PHY Task Force – Mark Laubach
Please see http://ieee802.org/3/minutes/nov12/1112_bn_close_report.pdf.

MOTION #10 (AMENDED BY MOTION #12)

Move that 802.3 Working Group approve the new additional objective for the IEEE P802.3bn Task Force that reads:

“Define Energy Efficient Ethernet operation for EPON Protocol over Coax PHYs”

M: M. Laubach on behalf of the Task Force

Technical ($\geq 75\%$)

Passed by voice without opposition 15-November-2012 4:34 pm

Mr. Thompson moved to amend motion #10 to strike the word “Ethernet” due to his interpretation that it constrains the means by which energy efficient operation could be achieved.

MOTION #11 TO AMEND MOTION #10

Amend Motion #10 as shown:

Move that 802.3 Working Group approve the new additional objective for the IEEE P802.3bn Task Force that reads:

“Define Energy Efficient ~~Ethernet~~ operation”

M: G. Thompson

S: A. Brown

Technical ($\geq 75\%$)

Y: 9, N: 40, A: 17

Failed 15-November-2012 4:31 pm

Mr. Law took the vote on motion #11 by voice but, with no clear result, concluded a count was required.

MOTION #12 TO AMEND MOTION #10

Amend Motion #10 as shown:

Move that 802.3 Working Group approve the new additional objective for the IEEE P802.3bn Task Force that reads:

“Define Energy Efficient Ethernet operation for EPON Protocol over Coax PHYs”

M: S. Trowbridge

S: T. McDermott

Technical ($\geq 75\%$)

Passed by voice 15-November-2012 4:33 pm

IEEE 802.3 Reduced Twisted Pair Gigabit Ethernet Study Group – Steve Carlson

Please see http://ieee802.org/3/minutes/nov12/1112_rtpge_close_report.pdf.

Mr. Carlson presented the project objectives, 5 criteria responses, and PAR.

MOTION #13

Approve the IEEE P802.3bp RTPGE PHY Project Objectives.

M: S. Carlson

S: K. Matheus

Technical ($\geq 75\%$)

Passed by voice without opposition 15-November-2012 4:43 pm

MOTION #14

Approve the IEEE P802.3bp RTPGE PHY Project response to the Broad Market Potential criterion.

M: S. Carlson

S: T. Hogenmüller

Technical ($\geq 75\%$)

Y: 77, N: 0, A: 5

Passed 15-November-2012 4:45 pm

MOTION #15

Approve the IEEE P802.3bp RTPGE PHY Project response to the Compatibility criterion.

M: S. Carlson
S: J. D'Ambrosia

Technical ($\geq 75\%$)
Y: 78, N: 1, A: 3

Passed 15-November-2012 4:46 pm

MOTION #16

Approve the IEEE P802.3bp RTPGE PHY Project response to the Distinct Identity criterion.

M: S. Carlson
S: B. Booth

Technical ($\geq 75\%$)
Y: 76, N: 0, A: 2

Passed 15-November-2012 4:47 pm

MOTION #17

Approve the IEEE P802.3bp RTPGE PHY Project response to the Technical Feasibility criterion.

M: S. Carlson
S: M. Tazebay

Technical ($\geq 75\%$)
Y: 76, N: 0, A: 2

Passed 15-November-2012 4:48 pm

MOTION #18

Approve the IEEE P802.3bp RTPGE PHY Project response to the Economic Feasibility criterion.

M: S. Carlson

S: B. Booth

Technical ($\geq 75\%$)

Y: 75, N: 0, A: 3

Passed 15-November-2012 4:49 pm

MOTION #19

Approve the IEEE P802.3bp RTPGE PHY PAR.

M: S. Carlson

S: G. Thompson

Technical ($\geq 75\%$)

Y: 76, N: 0, A: 0

Passed 15-November-2012 4:52 pm

MOTION #20

Extend the Reduced Twisted Pair Gigabit Ethernet PHY Study Group until the next plenary session.

M: S. Carlson on behalf of the Study Group

(> 50%)

Y: 82, N: 0, A: 0

Passed 15-November-2012 4:53 pm

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

[IEEE 802.3 Next Generation BASE-T Study Group – Dave Chalupsky](#)

Mr. Law again noted that Mr. Woodruff was not about to attend this meeting and that Mr. David Chalupsky, Vice Chair of the Study Group, presented the closing report.

Please see http://ieee802.org/3/minutes/nov12/1112_ngbaset_close_report.pdf.

Mr. Chalupsky presented a draft of liaison response to TIA.

MOTION #21

Move that IEEE 802.3 approve the text in ngbt_tia_liaison_response_1112.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.

M: D. Chalupsky on behalf of the Study Group

Technical ($\geq 75\%$)

Passed by voice 15-November-2012 5:08 pm

Mr. Thompson moved to amend the letter to add the words on “over 4 pairs.” The motion failed for lack of a second.

Mr. Chalupsky presented a draft of liaison response to ISO/IEC JTC1 / SC25/ WG3.

MOTION #22

Move that IEEE 802.3 approve the text in ngbt_iso_liaison_response_1112.pdf, with editorial license granted to the Chair (or his appointed agent), as a liaison communication from the IEEE 802.3 Working Group to ISO/IEC JTC1/SC25/WG3.

M: D. Chalupsky on behalf of the Study Group

Technical ($\geq 75\%$)

Y: 26, N: 1, A: 5

Passed 15-November-2012 5:22 pm

MOTION #23 TO AMEND MOTION #22

Strike the third sentence of the third paragraph of ngbt_iso_liaison_response_1112.pdf. “Additional speed objectives may be adopted at a future date.”

M: G. Thompson

S: J. D’Ambrosia

Technical ($\geq 75\%$)

Y: 17, N: 15, A: 22

Failed 15-November-2012 5:19 pm

MOTION #24

Move that IEEE 802.3 extend the Next Generation BASE-T Study Group for an additional period of 6 months.

M: D. Chalupsky on behalf of the Study Group

Technical ($\geq 75\%$)

Y: 65, N: 0, A: 0

Passed 15-November-2012 5:21 pm

IEEE 802.3 Higher Speed Ethernet consensus industry connection activity – John D’Ambrosia

Please see http://ieee802.org/3/minutes/nov12/1112_hseic_close_report.pdf.

CALL FOR INTEREST

Distinguished minimum latency traffic in a converged traffic environment – Ludwig Winkel

Please see http://ieee802.org/3/minutes/nov12/1112_dmlt_close_report.pdf.

MOTION #25

Request that IEEE 802.3 WG form a study group to develop a PAR and 5 Criteria for a: Distinguished minimum latency traffic in a converged traffic environment Study Group

M: L. Winkel

S: T. Hogenmüller

(> 50%)

Y: 41, N: 6, A: 11

Passed 15-November-2012 5:30 pm

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

OTHER BUSINESS

Mr. Law asked if there was any other business. None responded.

ADJOURN

MOTION #26

Motion to adjourn.

M: H. Barrass

S: J. D'Ambrosia

Procedural (> 50%)

Passed by voice vote without opposition 15-November-2012 5:32 pm

Adjourned.