Approved Minutes

IEEE 802.3 Ethernet Working Group interim

Fort Worth, TX, USA

15 September, 2016

http://www.ieee802.org/3/minutes/sep16/index.html

THURSDAY, 15 SEPTEMBER, 2016

Minutes were taken by 802.3 Recording Secretary Pete Anslow.

ADMINISTRATIVE MATTERS

Call to order

Mr. David Law, Chair of the IEEE 802.3 Ethernet Working Group, called the meeting to order at 7:01 pm. Mr. Law announced that the meeting had quorum as it had been publicly announced at least 45 days in advance.

Welcome, introductions, and general announcements

Mr. Law asked the attendees to introduce themselves and announce their affiliation. This included the following officers of the IEEE 802.3 Working Group:

IEEE 802.3 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 P802.3bn EPON Protocol over Coax (EPoC): Mark Laubach
- IEEE P802.3bs 200Gb/s and 400 Gb/s Ethernet: John D'Ambrosia
- IEEE P802.3bt DTE Power via MDI over 4-Pair: Chad Jones
- IEEE P802.3bu 1-Pair Power over Data Lines (PoDL): Dan Dove
- IEEE P802.3bv Gigabit Ethernet Over Plastic Optical Fiber: Bob Grow
- IEEE P802.3bz 2.5G/5GBASE-T Task Force: David Chalupsky
- IEEE P802.3ca 25 Gb/s, 50 Gb/s, and 100 Gb/s EPON: Curtis Knittle
- IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane and Copper Cables: Dan Smith
- IEEE P802.3cc 25 Gb/s Ethernet PMD(s) over single-mode fiber: David Lewis
- IEEE P802.3cd 50Gb/s, 100 Gb/s, and 200 Gb/s Ethernet: Mark Nowell

IEEE 802.3 Study Group chairs

- IEEE 802.3 YANG data model(s) Study Group: Yan Zhuang
- IEEE 802.3 10 Mb/s Single twisted pair Ethernet Study Group: George Zimmerman

Working Group Decorum

Mr. Law introduced the Working Group decorum as described in the interim slides. Please see http://www.ieee802.org/3/minutes/sep16/0916_802_3_interim.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.

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/

MOTION #1

Approve the agenda.

M: C. Jones   S: G. Zimmerman

Procedural (> 50%)

Passed by voice vote without opposition 15-Sep 2016, 7:11pm

Call for patents

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

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

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

Mr. Law asked that Mr. Anslow record that:

- No letters of assurance were submitted
- The patent policy, per the latest PatCom slide set, was shown
- Anyone wishing to submit a letter of assurance can do so at any time by contacting Mr. Law or the PatCom administrator

Mr. Law reminded the group of inappropriate topics that should not be discussed. These included territory, market share, price, ongoing litigation, threatened litigation, etc.

Please also see http://www.ieee802.org/3/minutes/sep16/0916_802_3_interim.pdf.

General Working Group business

Membership and attendance recording

Mr. Law explained the membership requirements (gaining and retaining)

- 75% attendance at 2 of last 4 plenary meetings (a qualifying interim may be substituted for one plenary)
- Request to become member during IEEE 802.3 potential voter agenda item
- Participate in 2 of last 3 WG ballots
- Maintain valid contact information
- Consistent declaration of affiliation

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

Review of voting membership

Please see http://www.ieee802.org/3/minutes/sep16/0916_voters.pdf.

Mr. Law reminded participants that the IEEE 802.3 Working Group would record meeting attendance using the IEEE-SA Meeting Attendance Tool.

Mr. Law pointed out that as had been previously announced some members who had not met the voting requirements had lost their voting rights. A document containing details of whether or not WG members have voted on recent WG ballots is available at: http://www.ieee802.org/3/ballots/ballot_returns.pdf.

LIAISONS

External Liaison letters (old)

ITU-T SG15: Access Network Transport (ANT) standardization work plan liaison letter

ITU-T SG15: Home Network Transport (HNT) standardization work plan liaison letter

ITU-T SG15: Optical Transport Networks & Technologies standardization work plan liaison letter and attachment

Mr. Remein presented a proposed liaison response to ITU-T SG15. Please see: http://ieee802.org/3/minutes/sep16/outgoing/IEEE_802d3_to_SG15_ANT_1115_draft.pdf.

Mr. Grow presented a proposed liaison response to ITU-T SG15. Please see: http://ieee802.org/3/minutes/sep16/outgoing/IEEE_802d3_to_SG15_HNT_1115_draft.pdf.

Mr. Trowbridge presented a proposed liaison response to ITU-T SG15. Please see: http://ieee802.org/3/minutes/sep16/outgoing/IEEE_802d3_to_SG15_OTNT_1115_draft.pdf.

Minor changes were made to the text of the three draft liaisons.

MOTION #2

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

≥75%

Y:75, N 0, A: 2

Passed 15-Sep 2016 2016, 7:44pm

External Liaison letters (new)

BBF: NetConf(NC)/YANG management for PON liaison letter *to IEEE 802.3*

Mr. Laubach presented a proposed liaison response to the Broadband Forum. Please see: http://ieee802.org/3/minutes/sep16/outgoing/IEEE_802d3_to_BBF_0916_draft.pdf.

Minor changes were made to the text of the draft liaison.

MOTION #3

Move that the IEEE 802.3 Working Group approve IEEE_802d3_to_BBF_0916_draft.pdf with editorial license granted to the Chair (or his appointed agent) as liaison communication from the IEEE 802.3 Working Group to the Broadband Forum.

M: M. Laubach   S: D. Remein

Technical (≥75%)

Passed by voice vote without opposition 15-Sep 2016, 7:51pm

EA: Response to 16th August communication from IEEE 802.3 liaison letter

Mr. Law noted that this item would be covered as part of the P802.3bt Task Force agenda item.

ITU SG9: Alternative Approval Process (AAP) consent of draft new Recommendations J.196.2, J.196.3, and J.223.2 liaison letter *and attachments* 1, 2 *and* 3

Mr. Laubach presented a proposed liaison response to ITU-T SG9. Please see: http://ieee802.org/3/minutes/sep16/outgoing/IEEE_802d3_to_ITU-T_SG9_0916_draft.pdf.

Minor changes were made to the text of the draft liaison.

MOTION #4

Move that the IEEE 802.3 Working Group approve
IEEE_802d3_to_ITU-T_SG9_0916_draft.pdf with editorial license granted to the Chair
(or his appointed agent) as liaison communication from the IEEE 802.3 Working Group
to ITU-T SG9.

M: M. Laubach   S: D. Remein

≥75%

Y: 68, N: 0, A: 1

Passed 15-Sep 2016, 7:59pm

External Liaison letters (new, information item)

BBF: NetConf(NC)/YANG management for PON liaison letter to ITU SG15

This letter was addressed to the ITU-T SG15 and copied to the 802.3 Working Group.

Maintenance – Adam Healey

Mr. Healey explained the process for ratification of IEEE 802.3 amendments under the
PSDO agreement.

MOTION #5

Submit IEEE Std 802.3by-2016, IEEE Std 802.3bq-2016, and IEEE Std 802.3bp-2016 to
ISO/IEC JTC 1/SC 6 for ratification under the PSDO agreement.

M: A. Healey on behalf of the Task Force

Technical (≥75%)

Y: 67, N 0, A: 0

Passed 15-Sep 2016 2016, 8:05pm

Mr. Healey presented a proposed liaison to ISO/IEC JTC1 SC6 as generated by the
Maintenance Task Force. Please see:
http://ieee802.org/3/minutes/sep16/outgoing/IEEE_802d3_to_ISOIEC_JTC1_SC6_0916_draft.pdf.

MOTION #6

Approve IEEE_802d3_to_ISOIEC_JTC1_SC6_0916_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 ISO/IEC JTC 1/SC 6.

M: A. Healey   S: B. Grow

Technical (≥75%)

Y: 67, N 0, A: 0

Passed 15-Sep 2016, 8:09pm

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

Mr. Jones presented a proposed liaison to Ethernet Alliance. Please see: http://ieee802.org/3/minutes/sep16/outgoing/IEEE_802d3_to_EA_0916_draft.pdf.

Minor changes were made to the text of the draft liaison.

MOTION #7

Move that the IEEE 802.3 Working Group approve IEEE_802d3_to_EA_0916_draft.pdf with editorial license granted to the Chair (or his appointed agent) as liaison communication from the IEEE 802.3 Working Group to the Ethernet Alliance.

M: C. Jones   S: C. Bullock

Technical (≥75%)

Passed by voice without opposition 15-Sep 2016, 8:16pm

Mr. Jones presented a proposed request for a category D liaison with IEC TC64/PT716. Please see: http://ieee802.org/3/minutes/sep16/outgoing/cat-d-letter-rev_0916_draft.pdf.

Minor changes were made to the text of the draft request.

MOTION #8

Move that the IEEE 802.3 Working Group approve the request for a category D liaison with IEC TC64/PT716 in cat-d-letter-rev_0916_draft.pdf with editorial license.

M: C. Jones   S: D. Abramson

Technical (≥75%)

Y: 61, N: 0, A: 2

Passed 15-Sep 2016, 8:28pm

Mr. Jones presented a proposed liaison to IEEE SCC18. Please see:
http://ieee802.org/3/minutes/sep16/outgoing/IEEE_802d3_to_SCC18_0916_draft.pdf.

Minor changes were made to the text of the draft liaison.

MOTION #9

Move that the IEEE 802.3 Working Group approve IEEE_802d3_to_SCC18_0916_draft.pdf with editorial license granted to the Chair (or his appointed agent) as liaison communication from the IEEE 802.3 Working Group to IEEE SCC18.

M: C. Jones   S: J. Lewis

Technical (≥75%)

Passed by voice vote without opposition 15-Sep 2016, 8:38pm

Mr. Jones presented a proposed TIA request. Please see:
http://ieee802.org/3/minutes/sep16/outgoing/TIA_request_8-30-2016_TCC_proposed_public_comment_draft.pdf.

Some changes were proposed to be made to the draft request, so consideration of this agenda item was suspended while these changes were made.

IEEE P802.3cd 50 Gb/s, 100 Gb/s, and 200 Gb/s Ethernet Task Force – Mark Nowell

Please see http://ieee802.org/3/minutes/sep16/0916_cd_report.pdf.

Mr. Nowell presented the changes made to the P802.3cd objectives.

MOTION #10

Move that 802.3 approve the IEEE P802.3cd objectives, as per slides 4 & 5 in 0916_cd_report.pdf.

M: M. Nowell   S: K. Lusted

Technical (≥75%)

Passed by voice vote without opposition 15-Sep 2016 2016, 8:50pm

Mr. Nowell presented the proposed changes to the P802.3cd CSD responses.

MOTION #11

Move that the IEEE 802.3 Working Group approve the IEEE P802.3cd "50 Gb/s Ethernet over a single lane And Next Generation 100 Gb/s and 200 Gb/s Ethernet" CSD Modifications "Managed Objects", "Coexistence", "Broad Market Potential", "Compatibility", "Distinct Identity", "Technical Feasibility", and "Economic Feasibility" responses, as per 0916_3cd_report.pdf.

M: M. Nowell   S: K. Lusted

Technical (≥75%)

Y: 67, N: 0, A: 4

Passed 15-Sep 2016 2016, 8:56pm

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

At this point consideration of the proposed TIA request was resumed.

MOTION #12

Move that the IEEE 802.3 Working Group approve TIA_request_8-30-2016_TCC_proposed_public_comment_draft.pdf with editorial license granted to the Chair (or his appointed agent) as the basis for a public comment against TIA_request_8-30-2016_TCC.pdf, once the comment period opens.

M: C. Jones   S: L. Yseboodt

Technical (≥75%)

Passed by voice vote without opposition 15-Sep 2016, 8:59pm

IEEE 802.3 10 Mb/s Single twisted pair Ethernet Study Group – George Zimmerman

Mr. Zimmerman presented a proposed liaison to ISO/IEC SC25 WG3. Please see:
http://ieee802.org/3/minutes/sep16/outgoing/IEEE_802d3_to_ISOIEC_SC25_WG3_0916_draft.pdf.

Minor changes were made to the text of the draft liaison.

MOTION #13

Move that the IEEE 802.3 Working Group approve IEEE_802d3_to_ISOIEC_SC25_WG3_0916_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 SC25 WG3.

M: G. Zimmerman   S: L. Winkel

Technical (≥75%)

Passed by voice vote without opposition 15-Sep 2016, 9:06pm

Mr. Zimmerman presented a proposed liaison to TIA. Please see:
http://ieee802.org/3/minutes/sep16/outgoing/IEEE_802d3_to_TIA_0916_draft.pdf.

Minor changes were made to the text of the draft liaison.

MOTION #14

Move that the IEEE 802.3 Working Group approve IEEE_802d3_to_TIA_0916_draft.pdf with editorial license granted to the Chair (or his appointed agent) as liaison communication from the IEEE 802.3 Working Group to TIA.

M: G. Zimmerman   S: A. Flatman

Technical (≥75%)

Passed by voice vote without opposition 15-Sep 2016, 9:10pm

Announcements

The following interim meetings were announced:

- IEEE P802.3bu 1-Pair Power over Data Lines (PoDL)
    - Monday, October 10, 2016
    - Santa Barbara, CA, USA
- IEEE P802.3cc 25 Gb/s Ethernet PMD(s) over single-mode fiber
    - Thursday, October 20, 2016
    - San Jose, CA, USA

Other business

None

ADJOURN

MOTION #15

Move to adjourn.

M: D. Remein   S: S. Trowbridge

Procedural (> 50%)

Passed by voice vote 15-Sep 2016 2016, 9:15 pm

Adjourned.

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

http://ieee802.org/3/minutes/sep16/0916_WG_attendance.pdf