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Approved Minutes

IEEE 802.3 Ethernet Working Group interim

Atlanta GA, USA

21 January, 2016

http://www.ieee802.org/3/minutes/jan16/index.html

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THURSDAY, 21 JANUARY, 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.

<u>Welcome, introductions, and general announcements</u>

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 P802.3bp 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: 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 P802.3by 25 Gb/s Ethernet: Mark Nowell
- IEEE P802.3bz 2.5G/5GBASE-T Task Force: David Chalupsky
- IEEE P802.3ca 25 Gb/s, 50 Gb/s, and 100 Gb/s Ethernet Passive Optical Networks: Curtis Knittle
- IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane and Copper Cables: Yong Kim

IEEE 802.3 Study Group chairs

- IEEE 802.3 50 Gb/s Ethernet Over a Single Lane Study Group: Mark Nowell

- IEEE 802.3 Next Generation 100 Gb/s Ethernet & 200 Gb/s Ethernet Study Group: Mark Nowell
- IEEE 802.3 25 Gb/s Ethernet PMD(s) for Single Mode Fiber Study Group: David Lewis

Working Group Decorum

Mr. Law introduced the Working Group decorum as described in the interim slides. Please see http://www.ieee802.org/3/minutes/jan16/0116_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: A. Flatman   S: B. Grow

Procedural (> 50%)

Passed by voice vote without opposition 21-January 2016, 7:09 pm

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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/jan16/0116_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/mar16/0316_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 (new)

COBO: Status update and request for access to IEEE P802.3bs draft liaison letter

Mr. Law noted that this liaison had been considered by the P802.3bs Task Force.

IUT-T SG5 ITU Resistibility - Ethernet application testing updates liaison letter, attachment 1, attachment 2, and attachment 3

Mr. Law asked Mr. Carlson to lead an Ad Hoc to review this liaison and generate a response, if appropriate, for consideration at the March plenary meeting.

ITU-T SG15 Timestamping point for multilane Ethernet interfaces liaison letter

Mr. Law noted that this liaison had been considered by the Maintenance Task Force.

External Liaison letters (new, information item)

OIF: Progress on OIF CEI-56G projects liaison letter *to IEEE P802.3bs,* attachment 1 and attachment 2

This letter was addressed to the P802.3bs Task Force and copied to the 802.3 Working Group.

Maintenance – Adam Healey

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/jan16/outgoing/IEEE_802d3_to_ISOIEC_JTC1_SC6_0116_draft.pdf.

A minor change was made to the draft.

MOTION #2

Approve IEEE_802d3_to_ISOIEC_JTC1_SC6_0116_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: J. D'Ambrosia

Technical (≥75%)

Y: 77, N 0, A:1

Passed 21-January 2016, 7:25pm

Due to an error in the content of a proposed liaison from the 25G/40GBASE-T Task Force, this item was deferred until after the P802.3br Task Force agenda item.

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

Mr. Winkel explained that the conditions for proceeding to Sponsor ballot based on the conditional approval obtained in the November plenary meeting had not been met.

There was discussion on concerns over the level of participation in the P802.3br Task Force.

MOTION #3

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 approval to progress the IEEE P802.3br draft to IEEE 802 LMSC sponsor ballot.

M: L. Winkel on behalf of the Task Force

Technical (≥75%)

Y: 52, N: 7, A: 28

Passed 21-January 2016, 7:56 pm

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

Mr. Chalupsky presented two proposed liaison letters to ISO/IEC JTC1/SC25 WG3 as generated by the 25G/40GBASE-T Task Force. Please see:

http://ieee802.org/3/minutes/jan16/outgoing/IEEE_802d3_to_ISOIEC_SC25_WG3_40GRL_0116_draft.pdf.

http://ieee802.org/3/minutes/jan16/outgoing/IEEE_802d3_to_ISOIEC_SC25_WG3_9905_0116_draft.pdf

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MOTION #4

Move that the IEEE 802.3 Working Group approve:
IEEE_802d3_to_ISOIEC_SC25_WG3_40GRL_0116_draft.pdf
IEEE_802d3_to_ISOIEC_SC25_WG3_9905_0116_draft.pdf
with editorial license granted to the Chair (or his appointed agent) as liaison communications from the IEEE 802.3 Working Group to ISO/IEC JTC1/SC25 WG3

M: D. Chalupsky   S: G. Zimmerman

Technical ($\geq$75%)

Y: 78, N: 0, A: 0

Passed 21-January 2016, 8:05 pm

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

Mr. D'Ambrosia presented a proposed liaison to ITU as generated by the P802.3bs 400 Gb/s Ethernet Task Force. Please see:
http://ieee802.org/3/minutes/jan16/outgoing/IEEE_802d3_to_SG15_0116_draft.pdf.

MOTION #5

Move that the IEEE 802.3 Working Group approve the text in
IEEE_802d3_to_SG15_0116_draft.pdf with editorial license granted to the IEEE 802.3 WG Chair (or his appointed agent) as a liaison to ITU-T.

M: J. D'Ambrosia   S: P. Anslow

Technical ($\geq$75%)

Y: 79, N: 0, A: 0

Passed 21-January 2016, 8:10 pm

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

Mr. Jones presented a proposed liaison response to ISO/IEC SC25/ WG3 as generated by the DTE Power via MDI over 4-Pair Task Force. Please see:
http://ieee802.org/3/minutes/jan16/outgoing/IEEE_802d3_to_SC25_PoE_0116_draft.pdf.

MOTION #6

Move that IEEE 802.3 approve the text in IEEE_802d3_to_SC25_PoE_0116_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 JTC1 SC25/ WG3.

M: C. Jones   S: A. Gardner

Technical (≥75%)

Y: 77, N: 0, A: 0

Passed 21-January 2016, 8:15 pm

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

Mr. Grow requested an addition to the agenda.

MOTION #7

Move to add an outgoing liaison to the agenda.

M: B. Grow   S: G. Thompson

Procedural (>50%)

Passed by voice vote without opposition 21-January 2016, 8:17 pm

Mr. Grow presented a proposed liaison response to ISO/IEC/JTC1/SC25/WG3 as generated by the GEPOF Task Force. Please see:
http://ieee802.org/3/minutes/jan16/outgoing/IEEE_802d3_to_ISOIEC_SC25_0116_draft.

MOTION #8

Move that the 802.3 Working Group approve IEEE_802d3_to_ISOIEC_SC25_0116_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/SC25/WG3.

M: B. Grow   S: R. Perez-Aranda

Technical (≥75%)

Y: 72, N: 0, A: 0

Passed 21-January 2016, 8:28 pm

Mr. Grow reviewed the changes made to the P802.3bv draft.

MOTION #9

Move that the 802.3 Working Group advance the IEEE P802.3bv draft to Working Group ballot.

M: B. Grow on behalf of the Task Force

Technical (≥75%)

Y: 45, N: 1, A: 24

Passed 21-January 2016, 8:44 pm

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

Mr. Zimmerman reviewed the changes made to the P802.3bz draft.

MOTION #10

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

M: D. Chalupsky on behalf of the Task Force

Technical (≥75%)

Passed by voice vote without opposition 21-January 2016, 8:52 pm

Mr. Chalupsky presented the proposed liaison response to ISO/IEC JTC1/SC25 WG3 as generated by the 2.5G/5GBASE-T Task Force. Please see: http://ieee802.org/3/minutes/jan16/outgoing/IEEE_802d3_to_ISOIEC_SC25_WG3_9904_0116_draft.pdf.

MOTION #11

Move that the IEEE 802.3 Working Group approve
IEEE_802d3_to_ISOIEC_SC25_WG3_9904_0116_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/SC25 WG3.

M: D. Chalupsky   S: G. Zimmerman

Technical (≥75%)

Y: 65, N: 0, A: 2

Passed 21-January 2016, 8:57 pm

IEEE 802.3 50 Gb/s Ethernet Over a Single Lane Study Group and IEEE 802.3 Next Generation 100 Gb/s Ethernet & 200 Gb/s Ethernet Study Group: Mark Nowell

Mr. Nowell explained the reasons for requesting changes to the charters of the two study groups.

MOTION #12

Move that the IEEE 802.3 Working Group request that the EC:

- expand the charter of the current 50 Gb/s Ethernet over a single-lane Study group to include next generation 100 Gb/s and 200 Gb/s Ethernet rates

- reduce the charter of the Next generation 100 Gb/s and 200 Gb/s Ethernet Study Group to 200 Gb/s single mode fiber.

M: M. Nowell   S: K. Lusted

(>50%)

Y: 72, N: 0, A: 0

Passed 21-January 2016, 9:03pm

Other business

Mr. Laubach announced an IEEE P802.3bn EPON Protocol over Coax Task Force interim session Thursday, 25 February and Friday, 26 February 2016 Hosted by IEEE in Piscataway, NJ, USA

Mr. Carlson announced an IEEE P802.3bp 1000BASE-T1 Gigabit Ethernet PHY Task Force interim session One-day non-cancellable interim during the week of 22 February (target date is Thursday, 25 February 2016) Hosted by Marvell Semiconductor Santa Clara, CA USA

ADJOURN

MOTION #13

Move to adjourn.

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

Procedural (> 50%)

Passed by voice without opposition 21-January 2016, 9:05pm

Adjourned.

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

http://ieee802.org/3/minutes/jan16/0116_WG_attendance.pdf