

Approved Minutes
IEEE 802.3 Ethernet Working Group PLENARY
Hyatt Regency, San Francisco, CA USA
July 18-21, 2011
<http://www.ieee802.org/3/minutes/jul11/index.html>

MONDAY, July 18, 2011

ADMINISTRATIVE MATTERS

Call to order

Mr. David Law, Chair of the IEEE 802.3 Ethernet Working Group, called the meeting to order at 1:00 pm.

Welcome, introductions, and general announcements

Mr. Law introduced Mr. Wael William Diab, Vice Chair of IEEE 802.3, Mr. Steve Carlson, Executive Secretary of IEEE 802.3, Mr. Adam Healey, Secretary of IEEE 802.3, and Ms. Valerie Maguire, Treasurer of IEEE 802.3.

Mr. Law noted that Ms. Pat Thaler is the Chair of the IEEE P802.3bd MAC Control Frame for Priority-based Flow Control Project which is being undertaken by the IEEE 802.1 Working Group.

Mr. Law noted that Mr. Carlson is the Chair of IEEE P802.3bf Ethernet Support for the IEEE P802.1AS Time Synchronization Protocol Task Force. Mr. Law introduced Mr. Mark Nowell who is the Chair of the 40 Gb/s Ethernet Single-mode Fibre PMD Task Force and Mr. John D'Ambrosia who is Chair of the 100 Gb/s Backplane and Copper study group. Mr. Law also noted that Mr. Diab is the Chair of the IEEE 802.3 Maintenance Task Force.

Mr. Law introduced Mr. Howard Frazier who is the Chair of the IEEE P802.3.1 Ethernet Management Information Base Task Force.

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

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: S. Trowbridge

S: B. Grow

Passed by voice vote without opposition 18-July-2011 1:12 pm

Working Group Decorum

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

Please see http://www.ieee802.org/3/minutes/jul11/0711_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. 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 March 2011 minutes

Please see http://www.ieee802.org/3/minutes/mar11/minutes_0311.pdf.

Mr. Law asked if there were any additions or corrections to the March 2011 minutes. Mr. Law noted that the minutes were posted June 13, 2011.

MOTION #2

Approve March 2011 Plenary Meeting minutes.

M: H. Barrass

S: P. Anslow

Passed by voice vote without opposition 18-July-2011 1:15 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/jul11/0711_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 802.3TM-2008 (26 Dec 08 / 26 Dec 08)*

- IEEE Std 802.3avTM-2009 (11 Sep 09 / 30 Oct 09)*
- IEEE Std 802.3bcTM-2009 (11 Sep 09 / 28 Sep 09)*
- IEEE Std 802.3atTM-2009 (11 Sep 09 / 30 Oct 09)*
- IEEE Std 802.3-2008/Cor1-2009TM (9 Dec 09 / 1 Feb 10)*
- IEEE Std 802.3baTM-2010 (17 Jun 10 / 22 Jun 10) *
- IEEE Std 802.3azTM-2010 (30 Sep 10 / 27 Oct 10) *
- IEEE Std 802.3bgTM-2011 (31 Mar 11 / 31 Mar 11)
- IEEE Std 802.3bfTM-2011 (16 May 11 / 15 Jul 11)
- IEEE Std 802.3bdTM-2011 (16 Jun 11 / TBD)

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

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

Note: Dates are Approval date / Publication date

Working Group activities since March 2011 meeting

Please see http://www.ieee802.org/3/minutes/jul11/0711_802_3_opening_plenary.pdf.

24th through 27th May 2011 Lake Tahoe, NV, USA

- IEEE P802.3.1 Ethernet MIBs Task Force
- IEEE 802.3 Maintenance Task Force
- IEEE 802.3 100 Gb/s Backplane and Copper Study Group
- IEEE 802.3 Ethernet Bandwidth Assessment ad hoc

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:

- None

Sponsor Ballots:

- IEEE P802.3bf D3.1, 2nd recirculation ballot

Sponsor Ballots group formations

- None

Please see http://www.ieee802.org/3/minutes/jul11/0711_802_3_opening_plenary.pdf.

Documents

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

IEEE P802.3 (IEEE 802.3bh) Maintenance #10 (Revision)

- IEEE P802.3/D2.0 (Working Group preview)

IEEE 802.3 100 Gb/s Backplane and Copper Study Group

- IEEE P802.3bj Physical Layer specifications and Management parameters for 100 Gb/s operation over Backplanes and Copper Cable draft PAR, draft 5 Criteria and draft Objectives

Please see http://www.ieee802.org/3/minutes/jul11/0711_802_3_opening_plenary.pdf.

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/jul11/0711_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://iee802.org/3/minutes/jul11/0711_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.

Review of voting membership

Please see http://www.iee802.org/3/minutes/jul11/0711_voters.pdf.

Review of voters in peril

Please see http://www.iee802.org/3/minutes/jul11/0711_peril.pdf.

Request for membership

Please see http://www.iee802.org/3/minutes/jul11/0711_potential.pdf.

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

Balasubramanian, Koussalya
Barnett, Barry
Cui, Kai
Dwellely, David
Edwards, Gareth
Ewen, John
FU, Hongyan
Huang, Xi
Kvist, Bengt
Lingle, Robert
Lusted, Kent
Meghelli, Mounir
Parthasarathy, Vasu
Patel, Pravin
Ran, Adeo
Warland, Tim
Zeng, Li

IEEE 802.3 Treasurer's report – Valerie Maguire

Please see http://iee802.org/3/minutes/jul11/0711_treasury.pdf.

Standards Board report (March, June meetings)

Please see http://www.ieee802.org/3/minutes/jul11/0711_802_3_opening_plenary.pdf.

LMSC Executive Committee report

Please see http://www.ieee802.org/3/minutes/jul11/0711_802_3_opening_plenary.pdf.

There was some discussion of the IEEE Registration Authority OUI Registry Tiers proposal and virtualization study.

Please see http://www.ieee802.org/3/minutes/jul11/RAC_OUI_Tiers_July2011.pdf and http://www.ieee802.org/3/minutes/jul11/RAC_Virtualization_June2011.pdf.

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

New PARs

- IEEE P802.1ASbt Timing and Synchronization for Time-Sensitive Applications in Bridged Local Area Networks amendment: Enhancements and performance improvements [PAR](#) and [5C](#).
- IEEE P802.1AXbq Link Agg amendment: Distributed Resilient Network Interconnect [PAR](#) and [5C](#).
- IEEE P802.1BR Virtual Bridged Local Area Networks - Bridge Port Extension [PAR](#) and [5C](#).
- IEEE P802.15.4m WPAN amendment: TV White Space PHY Layer [PAR](#) and [5C](#).
- IEEE P802.22a Wireless Regional Area Networks amendment: Management and control plane interfaces and procedures and management information base enhancements, [PAR](#) and [5C](#).

Please see http://www.ieee802.org/3/minutes/jul11/0711_802_3_opening_plenary.pdf.

Mr. Law asked if anyone was interested in reviewing and possibly commenting on any of the new PARs. None responded.

Break at approximately 2:57 pm. Restarted at approximately 3:17 pm.

EC Meetings for the week

Mr. Law reviewed the schedule of EC meetings for the July 2011 plenary week.

Please see http://www.ieee802.org/3/minutes/jul11/0711_802_3_opening_plenary.pdf.

Liaison Reports

External Liaison reports

ISO/IEC SC25/WG3 report – Alan Flatman

<http://www.ieee802.org/3/minutes/jul11/SC25%20WG3%20Berlin%20report%20for%20802.3%20July11.pdf>

TIA TR-42 report – Valerie Maguire

<http://www.ieee802.org/3/minutes/jul11/Jul%202011%20TIA%20Liaison%20Presentation.pdf>

IEEE P1904.1 SIEPON report – Glen Kramer

http://www.ieee802.org/3/minutes/jul11/SIEPON_status_8023_Jul2011_v02.pdf

External Liaison letters

ITU-T Study Group 2: Termination of the Joint Coordination Activity on Management (JCA-Mgt)

Mr. Law presented the content of the letter and chartered the IEEE 802.3.1 Task Force to review the liaison letter and recommend appropriate action.

ITU-T Study Group 5: Home Networks Special Group liaison request, Ethernet port isolation

Mr. Law presented the content of the letter and appointed Mr. Carlson to chair an ad hoc to review the liaison letter and recommend appropriate action.

ITU-T Study Group 15: Answer to your liaison on copper 10 Gbit/s PHY asymmetry

Mr. Law presented the content of the letter and determined that did not require a response.

ITU-T Study Group 15: Answer to your liaison on IEEE P802.3bf, Sponsor Ballot Draft 3.2

Mr. Law presented the content of the letter and determined that did not require a response.

OIF CEI-28G-SR and CEI-25G-LR Implementation Agreements – Steve Trowbridge

Mr. Trowbridge presented the content of the letter. Mr. Law assigned an action item to Mr. D'Ambrosia to thank the OIF for forwarding the draft as part of an informal communication notifying the OIF of the formation of the IEEE P802.3bj 100 Gb/s Backplane and Copper Cable Task Force, should it be formed.

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

Mr. Trowbridge presented the content of the letter. Mr. Law asked if anyone was interested in generating a response. None responded.

STATE OF THE STANDARD

Please see http://ieee802.org/3/minutes/jul11/0711_state_of_std.pdf.

IEEE 802.3 Maintenance – Wael Diab

Please see http://ieee802.org/3/minutes/jul11/0711_maint_open_report.pdf.

TASK FORCE AND STUDY GROUP REPORTS

IEEE P802.3.1 MIB definitions for Ethernet Task Force – Howard Frazier

Please see http://ieee802.org/3/minutes/jul11/0711_be_open_report.pdf.

IEEE P802.3bf Ethernet Support for IEEE P802.1AS Time Sync Task Force – Steve Carlson

Please see http://ieee802.org/3/minutes/jul11/0711_bf_open_report.pdf.

IEEE P802.3bg 40Gb/s Ethernet Single-mode Fibre PMD Task Force – Mark Nowell

Please see http://ieee802.org/3/minutes/jul11/0711_bg_open_report.pdf.

Mr. Law recognized Mr. Nowell for his contributions to the IEEE P802.3bg Task Force. Mr. Nowell then recognized the efforts of the key contributors to the Task Force.

100 Gb/s Electrical Backplane and Copper Study Group – John D’Ambrosia

Please see http://ieee802.org/3/minutes/jul11/0711_100GBCU_open_report.pdf.

IEEE 802.3 Ethernet Bandwidth Assessment Ad Hoc – John D’Ambrosia

Please see http://ieee802.org/3/minutes/jul11/0711_BWA_open_report.pdf.

Call for Interest: Next generation 100 Gb/s Ethernet interfaces for optical fiber modules – Dan Dove

Please see http://ieee802.org/3/minutes/jul11/0711_NGPMD_open_report.pdf.

Call for Interest: Extended EPON PMDs – Marek Hajduczenia

Please see http://ieee802.org/3/minutes/jul11/0711_EXTEPON_open_report.pdf.

FUTURE MEETINGS, ROOM ASSIGNMENTS, AND SUBGROUP SCHEDULES

Mr. Carlson reviewed the future meeting plan. Please see

http://ieee802.org/3/minutes/jul11/0711_meetings_2_open.pdf.

Ms. Lynn Kennedy reviewed the arrangements for the September 2011 interim meeting in Chicago, IL, USA hosted by High Speed Design. Please see http://ieee802.org/3/minutes/jul11/0711_meetings_1_open.pdf.

Please see http://ieee802.org/3/minutes/jul11/0711_rooms_opening.pdf for room assignments.

ADJOURN

MOTION #3

Motion to adjourn.

M: J. D' Ambrosia

S: S. Trowbridge

Passed by voice vote without opposition 18-July-2011 5:26 pm

Adjourned.

Approved Minutes
IEEE 802.3 Ethernet Working Group PLENARY
Hyatt Regency, San Francisco, CA USA
July 18-21, 2011
<http://www.ieee802.org/3/minutes/jul11/index.html>

THURSDAY, July 21, 2011

ADMINISTRATIVE MATTERS

Mr. David Law, Chair of the IEEE 802.3 Ethernet Working Group, called the meeting to order at 1:01 pm.

Welcome, introductions, and general announcements

Mr. Law introduced Mr. Wael William Diab, Vice Chair of IEEE 802.3, Mr. Steve Carlson, Executive Secretary of IEEE 802.3, Mr. Adam Healey, Secretary of IEEE 802.3, and Ms. Valerie Maguire, Treasurer of IEEE 802.3.

Mr. Law introduced Mr. John D'Ambrosia who is Chair of the 100 Gb/s Backplane and Copper study group. Mr. Law also noted that Mr. Diab is the Chair of the IEEE 802.3 Maintenance Task Force.

Mr. Law introduced Mr. Howard Frazier who is the Chair of the IEEE P802.3.1 Ethernet Management Information Base Task Force.

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

Mr. Law also introduced the Working Group decorum as described in his closing report. Please see http://www.ieee802.org/3/minutes/jul11/0711_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: J. D' Ambrosia

S: S. Trowbridge

Passed by voice vote without opposition 21-July-2011 1:12 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
- 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. and read the slides. Please see

http://www.ieee802.org/3/minutes/jul11/0711_802_3_close_plenary.pdf.

General WG business

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/jul11/0711_802_3_close_plenary.pdf.

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/jul11/0711_voters.pdf.

Review of voters in peril

Please see http://www.ieee802.org/3/minutes/jul11/0711_peril.pdf.

Request for membership

Please see http://www.ieee802.org/3/minutes/jul11/0711_potential.pdf.

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

Choudhury, Golam

LMSC Executive Committee items

Please see http://www.ieee802.org/3/minutes/jul11/0711_802_3_close_plenary.pdf.

Mr. Law gave an update in the topics being discussed at the LMSC EC.

There was discussion on the submission of documents to ISO/IEC JTC1/SC6. Mr. Law outlined a proposal for a plan going forward.

Proposal to restart submission of IEEE 802.3 to SC6

- Circulate sponsor ballot drafts to SC6 for comment
- Submit approved IEEE 802.3 standards to SC6
 - SC6 will make no changes to published IEEE Std 802.3
- Only submit revisions

Some concerns were raised with respect to document title, SC6 comments in the context of the Sponsor ballot process, formatting, and other items. It was clarified that circulating sponsor ballot drafts to SC6 for comment did not represent mandatory coordination. It was pointed out that any comments from SC6 would not be associated with a disapprove vote since SC6 would not be part of the sponsor ballot pool. It was observed that the maintenance process could be used to address any comments that fell outside of the ballot cycle as is the norm.

Mr. Law observed that there is consensus on the second and third points of the proposed plan and that discussion was on the submission of revision sponsor ballot drafts to SC6 for comment.

Mr. Law changed the first point of the plan to “Circulate sponsor ballot drafts to SC6” which he interpreted to mean that when IEEE 802.3 generated a new sponsor ballot draft for a revision, a letter would be sent to SC6 notifying them of the generation of the draft and how to access it. It was observed that this modified proposal had consensus.

There was some discussion of whether or not IEEE 802.3 CFI meetings are covered by the Tutorial waiver.

It was clarified that CFI meetings are Working Group meetings and not tutorials. It was observed that the meeting fee (including hotel and late registration penalties) was excessive for those who only wanted to attend a CFI meeting. Mr. Carlson proposed a model where a special CFI meeting (or more generally a “pre-Study Group activity”) fee

would be assessed with special designation on the badge. There was some concern raised regarding the complexity of that model and whether this new designation of attendee should be allowed to vote in the straw polls. It was asked if waivers could be addressed with an exception process to be used at the chair's discretion.

Mr. Law asked if there was any objection to have a separate registration fee for attending only CFI meetings as a rate that covers costs. None responded.

External liaison letters

ITU-T Study Group 2: Termination of the Joint Coordination Activity on Management (JCA-Mgt) – Howard Frazier

Mr. Law observed that this item would be covered in the IEEE 802.3.1 closing report.

ITU-T Study Group 5: Home Networks Special Group liaison request, Ethernet port isolation – Steve Carlson

Mr. Carlson presented the content of the proposed liaison response.

MOTION #2

The IEEE 802.3 Working Group approves the letter [ITU_01_0711.pdf](#) with editorial license granted to the chair (or his appointed agent), as a liaison communication from the 802.3 Working Group to ITU-T Study Group 5, with respect to the Ethernet port isolation request.

M: S. Carlson
S: S. Trowbridge

Technical ($\geq 75\%$)
Y: 72, N: 0, A: 0

Passed 21-July-2011 2:52 pm

Mr. Law asked to change the order of the agenda to hear the IEEE 802.3 Ethernet Bandwidth Assessment Ad Hoc report at this time. There was no objection.

IEEE 802.3 Ethernet Bandwidth Assessment Ad Hoc – John D'Ambrosia

Please see http://www.ieee802.org/3/minutes/jul11/0711_BWA_close_report.pdf.

Break at approximately 3:00 pm. Restarted at approximately 3:15 pm.

Internal liaison reports

IEEE 802.1 Very low latency (preemption) activity – Yong Kim

Please see <http://ieee802.org/3/minutes/jul11/new-avb-kim-8021-8023-Preemption-Problem-Statements-0711-v03.pdf>.

Some concern was expressed regarding the need for pre-emption (versus using smaller Ethernet frames to mitigate head-of-line blocking related latency), the magnitude of the change required to IEEE 802.3, and compatibility with the architecture.

It was noted that the effective overhead resulting from the use of small frames, combined with the desire to use 100 Mb/s Ethernet, may not provide sufficient bandwidth for converged network applications.

Mr. Law made a few remarks on process going forward.

Future meetings – Steve Carlson

Please see http://www.ieee802.org/3/minutes/jul11/0711_meetings_close.pdf.

Mr. Carlson requested the following straw polls.

Straw Poll #1:

Attend September Interim

Yes: 65

Maybe yes: 28

Maybe no: 10

No: 8

Straw Poll #2:

Attend Extended EPON (Monday 1 – 5PM)

Yes: 5

Maybe yes: 17

Maybe no: 5

No: 56

Straw Poll #3:

Attend BWA (Monday 7 – 9PM)

Yes: 53

Maybe yes: 26

Maybe no: 5

No: 13

Straw Poll #4:

Attend Maintenance (Tuesday-Wednesday)

Yes: 18

Maybe yes: 23

Maybe no: 14

No: 30

Straw Poll #5:

Attend 100Gb/s Copper and Backplanes (Tuesday-Wednesday)

Yes: 53

Maybe yes: 27

Maybe no: 13

No: 8

Straw Poll #6:

Attend Next Gen Optics (Wednesday-Thursday)

Yes: 52

Maybe yes: 32

Maybe no: 4

No: 10

Straw Poll #7:

Attend Ethernet MIB (Thursday)

Yes: 6

Maybe yes: 5

Maybe no: 2

No: 69

TASK FORCE REPORTS

IEEE 802.3 Maintenance – Wael Diab

Please see http://www.ieee802.org/3/minutes/jul11/0711_maint_close_report.pdf.

MOTION #3

- Request that IEEE 802.3 send IEEE P802.3 (Revision to IEEE Std 802.3-2008) draft D2.0 to Working Group ballot.
- Request that IEEE 802.3 authorizes the Maintenance Task Force to conduct meetings and recirculation ballots as necessary to resolve comments received during Working Group ballot.

M: W. Diab on behalf of the Task Force.

Technical ($\geq 75\%$)

Y: 73, N: 0, A: 2

Passed 21-July-2011 4:19 pm

100 Gb/s Electrical Backplane and Copper Study Group – John D’Ambrosia

Please see http://www.ieee802.org/3/minutes/jul11/0711_100GBCU_close_report.pdf.

Mr. D’Ambrosia presented the project objectives.

MOTION #4

Move that 802.3 approve the 100 Gb/s Backplane and Copper Cable Study Group objectives, as per [0711_100GBCU_close_report.pdf](#).

M: J. D’Ambrosia on behalf of the Study Group

Technical ($\geq 75\%$)

There was some discussion regarding the clarity of the phrase “improved FR-4...or better”.

MOTION #5 TO AMEND MOTION #4

Change the fifth objective to:

- Define a 4-lane 100 Gb/s backplane PHY for operation over links consistent with controlled impedance traces as defined by IEEE P802.3ap or better with lengths up to at least 1m.

M: C. DiMinico

S: T. Palkert

Technical ($\geq 75\%$)

MOTION #6 TO TABLE

M: G. Thompson
S: D. Chalupsky

Procedural (> 50%)
Y: 17, N: 22, A: 29

Motion fails 21-July-2011 5:07 pm

Mr. DiMinico offered to withdraw the motion #5 and there was no objection from the body.

MOTION #7 TO AMEND MOTION #4

Change the fifth objective to:

- Define a 4-lane 100 Gb/s backplane PHY for operation over links consistent with copper traces on “improved FR- 4” (as defined by IEEE P802.3ap or better materials to be defined by the Task Force) with lengths up to at least 1m.

M: M. Dudek
S: M. Li

Technical (\geq 75%)
Y: 43, N: 7, A: 21

Motion passes 21-July-2011 5:24 pm

Mr. Kolesar offered a friendly amendment to add parentheses around the phrase “to be defined by the Task Force” which was accepted by the mover and seconder.

Mr. Grow offered a friendly amendment to remove the parentheses following “P802.3ap” and before “to be defined” which was accepted by the mover and seconder.

MOTION #4 AS AMENDED

Move that 802.3 approve the 100 Gb/s Backplane and Copper Cable Study Group objectives, as per [0711_100GBCU_close_report.pdf](#) as amended by Motion #7.

M: J. D’Ambrosia on behalf of the Study Group

Technical (\geq 75%)
Y: 76, N: 0, A: 1

Passed 21-July-2011 5:26 pm

Mr. D'Ambrosia presented the response to the Broad Market Potential criterion.

MOTION #8

Move that 802.3 approve the 100 Gb/s Backplane and Copper Cable Study Group Broad Market Potential Criterion, per [0711_100GBCU_close_report.pdf](#).

M: J. D'Ambrosia on behalf of the Study Group

Technical ($\geq 75\%$)

Y: 74, N: 0, A: 0

Passed 21-July-2011 5:31 pm

Mr. D'Ambrosia presented the response to the Compatibility criterion.

MOTION #9

Move that 802.3 approve the 100 Gb/s Backplane and Copper Cable Study Group Compatibility Criterion, per [0711_100GBCU_close_report.pdf](#).

M: J. D'Ambrosia on behalf of the Study Group

Technical ($\geq 75\%$)

Y: 74, N: 0, A: 0

Passed 21-July-2011 5:33 pm

Mr. D'Ambrosia presented the response to the Distinct Identity criterion.

MOTION #10

Move that 802.3 approve the 100 Gb/s Backplane and Copper Cable Study Group Distinct Identity Criterion, per [0711_100GBCU_close_report.pdf](#).

M: J. D'Ambrosia on behalf of the Study Group

Technical ($\geq 75\%$)

Y: 72, N: 0, A: 0

Passed 21-July-2011 5:35 pm

Mr. D'Ambrosia presented the response to the Technical Feasibility criterion.

MOTION #11

Move that 802.3 approve the 100 Gb/s Backplane and Copper Cable Study Group Technical Feasibility Criterion, per [0711_100GBCU_close_report.pdf](#).

M: J. D'Ambrosia on behalf of the Study Group

Technical ($\geq 75\%$)

Y: 71, N: 0, A: 1

Passed 21-July-2011 5:36 pm

Mr. D'Ambrosia presented the response to the Economic Feasibility criterion.

MOTION #12

Move that 802.3 approve the 100 Gb/s Backplane and Copper Cable Study Group Economic Feasibility Criterion, per [0711_100GBCU_close_report.pdf](#).

M: J. D'Ambrosia on behalf of the Study Group

Technical ($\geq 75\%$)

Y: 75, N: 0, A: 0

Passed 21-July-2011 5:38 pm

Mr. D'Ambrosia reviewed the PAR form.

MOTION #13

Move that 802.3 approve the 100 Gb/s Backplane and Copper Cable Study Group PAR, per par_a_0511.pdf (http://www.ieee802.org/3/100GCU/par_a_0511.pdf)

M: J. D'Ambrosia on behalf of the Study Group

Technical ($\geq 75\%$)

Y: 76, N: 0, A: 0

Passed 21-July-2011 5:39 pm

MOTION #14

Move that the 802.3 Working Group submit the IEEE P802.3bj PAR and 5 Criteria to the 802 Executive Committee for consideration at the July 2011 Plenary Session.

M: J. D'Ambrosia on behalf of the Study Group

Technical ($\geq 75\%$)

Y: 73, N: 0, A: 0

Passed 21-July-2011 5:40 pm

MOTION #15

Move that the 802.3 Working Group request that the LMSC Chair pre-submit the IEEE P802.3bj PAR to NESCOM for consideration at the September 2011 meeting, remaining on the agenda subject to July 802 EC approval.

M: J. D'Ambrosia on behalf of the Study Group

Technical ($\geq 75\%$)

Y: 74, N: 0, A: 1

Passed 21-July-2011 5:42 pm

MOTION #16

Move that IEEE 802.3 extends the 100 Gb/s Backplane and Copper Cable Study Group

M: J. D'Ambrosia on behalf of the Study Group

> 50%

Y: 76, N: 0, A: 0

Passed 21-July-2011 5:44 pm

[IEEE P802.3.1 MIB definitions for Ethernet Task Force – Howard Frazier](#)

Please see http://www.ieee802.org/3/minutes/jul11/0711_be_close_report.pdf.

Mr. Frazier presented a proposed request for modifications to the IANA-MAU-MIB module. Mr. Anslow requested that the port types be listed in media length order.

MOTION #17

Approve request to update IANA-MAU-MIB module (as captured new_mau_types_072111.pdf) and authorize MIB Modules TF chair to send to IANA.

M: H. Frazier
S: M. Hajduczenia

Technical ($\geq 75\%$)

Passed by voice without opposition 21-July-2011 6:02 pm

Call for Interest: Next generation 100 Gb/s Ethernet interfaces for optical fiber modules – Dan Dove

Please see http://ieee802.org/3/minutes/jul11/0711_NGPMD_close_report.pdf.

MOTION #18

Move the IEEE 802.3 Working Group authorizes the formation of a study group for “Next Generation 100 Gigabit Optical Ethernet”

M: D. Dove
S: K. Shrikhande

> 50%
Y: 74, N: 0, A: 1

Passed 21-July-2011 6:09 pm

Call for Interest: Extended EPON PMDs – Marek Hajduczenia

Please see http://ieee802.org/3/minutes/jul11/0711_EXTEPON_close_report.pdf.

MOTION #19

Move the IEEE 802.3 Working Group authorizes the formation of a Study Group for “Extended EPON”.

M: M. Hajduczenia
S: D. Remein

> 50%
Y: 41, N: 0, A: 16

Passed 21-July-2011 6:14 pm

OTHER BUSINESS

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

ADJOURN

MOTION #20

Motion to adjourn.

M: J. D' Ambrosia

S: G. Thompson

Procedural (> 50%)

Passed by voice vote without opposition 21-July-2011 6:15 pm

Adjourned.