

Sept 2017 Unapproved Minutes
IEEE P802.3bs 200 GbE & 400 GbE Task Force
Interim Meeting – Sept 11, 2017
Charlotte, NC, USA

Prepared by John D'Ambrosia, Futurewei, subsidiary of Huawei

Meeting convened at 8:05am

Chaired by John D'Ambrosia, IEEE P802.3bs Task Force Chair

Introductions were made.

Presentation #1: Agenda & General Information

By – John D'Ambrosia

See - http://www.ieee802.org/3/bs/public/17_09/agenda_3bs_01a_0917.pdf

Chair reviewed the agenda.

Motion #1:

Move to approve the agenda

- Moved by: Steve Trowbridge
- Second by: Rich Mellitz
- Pass by voice vote without opposition

Chair reminded attendees to observe decorum rules.

Chair noted that photography and recording not allowed without permission.

Chair called for members of the press or individuals reporting publicly on the meeting to identify themselves. No one responded.

Chair reviewed "Participation in IEEE 802 Meetings" slide.

Chair reviewed attendance, IMAT and attendance book.

Motion #2:

Move to approve

- July 2017 Plenary Minutes –
 - http://www.ieee802.org/3/bs/public/17_07/minutes_3bs_0717_unapproved.pdf
- Moved by: Mike Dudek
- Second by: Nathan Tracy
- Pass by voice vote without opposition

Chair went over D3.2 Recirculation Sponsor Ballot Summary

- 134 Voters
- 113 Approve
- 2 Disapprove
- 4 Abstain
- 119 Ballots returned
- 88.81% Response Rate (>= 75% required)
- 3.36% Abstain Rate (< 30% required)
- 98.26% Approval Rate (>= 75% required)

Chair thanked everyone who voted / submitted comments.

Chair went over goals for week.

- ❖ Goals for the meeting
 - ❖ Consider Sponsor Ballot comments received against D3.3,
 - ❖ Approve generation of D3.4 for Sponsor Ballot Recirculation
 - ❖ Request Conditional Approval to submit to RevCom
 - ❖ Consider communications from OIF
- ❖ Big ticket items to address
 - ❖ Comment Resolution

Chair displayed the reflector and web page information.

Chair went over Private Area information, and noted that the draft, and any other content, is posted for Task Force review only, and neither the content nor access information should be copied or redistributed to others in violation of document copyrights.

IEEE Patent Policy: Chair reviewed the Patent related slides the 5 slides contained in the agenda. Chair calls for potentially essential patents. No one responded. Chair read the Guidelines for IEEE-SA meetings.

Chair advised the WG attendees that:

- The IEEE's patent policy is described in Clause 6 of the *IEEE-SA Standards Board Bylaws*;
- Early identification of patent claims which may be essential for the use of standards under development is strongly encouraged;
- There may be Essential Patent Claims of which the IEEE is not aware. Additionally, neither the IEEE, the WG, nor the WG chair can ensure the accuracy or completeness of any assurance or whether any such assurance is, in fact, of a Patent Claim that is essential for the use of the standard under development.

Chair reviewed the ground rules. Chair reviewed IEEE Structure. Chair displays the Bylaws and Rules & References slide. Chair reviewed IEEE 802.3 Standards Process slides.

Chair reviewed Sponsor Ballot Phase Process. Reviewed rules regarding completion of standards balloting process and submittal to Revcom. Chair reviewed acceptable responses for rejection from RevCom Guidelines. Chair and Chief Editor went over schedule for the next recirculation (D3.4)

Chair noted the Task Force had the following communications to consider at this meeting.
OIF –

1. [OIF to IEEE P802.3bs on FlexE 2.0 IA](#)
 - [Attachment](#) (802.3 Password Protected)
2. [OIF to IEEE P802.3bs and P802.3cd regarding progress on CEI-56G-MR-PAM and CEI-56G-LR-PAM projects](#)
 - [Attachment 1](#) (802.3 Password protected)
 - [Attachment 2](#) (802.3 Password protected)

Chair noted that given timing of D3.4, it was likely that there would be a new draft before D3.4 was sent to the OIF. It was agreed that no response was necessary at this time.

Chair also reminded Task Force that the IEEE 802.3 Beyond 10km Optical PHYs Study Group would be considering a communication from the OIF that discussed the 400GbE architecture. Any individuals with feedback should contact the chair or attend the Thursday Study Group Meeting.

Chair noted the Task Force ad hocs and reports for those ad hocs (SMF, Electrical) that had met since the July meeting. Chair noted that slide needed to be updated. (URL noted is for updated agenda deck).

Chair went over the schedule for the day.

Chair noted that a late presentation had been submitted from Kohichi Tamura, Oclaro.

Presentation #2:

Title: Chief Editor's Opening Report

By: Pete Anslow

See http://www.ieee802.org/3/bs/public/17_09/anslow_3bs_01a_0917.pdf

Chief editor thanked the editorial team for their hard work and support. Chief Editor resumed Chief Editor's Report discussing plan on addressing comments.

Task Force Comment Review started at 8:45 am approximately.

Presentation #3

Title: Comments r01-41/r02-44/r03-32, r03-34: C2C return loss

By: Piers Dawe

See http://www.ieee802.org/3/bs/public/17_09/dawe_3bs_02a_0917.pdf

General discussion

Presentation #4

Title: Comments r01-42, r02-47, r03-42, r03-45, r03-46: C2M spec consistency and tolerancing

By: Piers Dawe

See http://www.ieee802.org/3/bs/public/17_09/dawe_3bs_01_0917.pdf

General discussion

Chair noted that updates presentations were being sent with new content. Group agreed to hear any new data that was provided.

Break at 10:11am

Reconvened at 10:20am

Task Force comment review continued.

Presentation #5

Title: Package impedance and termination effect on COM (update based on D3.3 and revised COM code)

By: Mike Dudek

See http://www.ieee802.org/3/bs/public/17_09/dudek_3bs_01a_0917.pdf

General discussion

Break for lunch at 12:05pm

Reconvened at 1:05pm

Task Force comment review continued.

Presentation #6

Title: Comment r03-12, r03-45, r02-21: The high-frequency pole of the reference CTLE in Annex 120E

By: Yasuo Hidaka

See http://www.ieee802.org/3/bs/public/17_09/hidaka_3bs_01a_0917.pdf

General discussion

Presentation #7

Title: Comment r03-12: 400GAUI-8 C2M TP1a Eye Measurement Data

By: Jane Lim

See http://www.ieee802.org/3/bs/public/17_09/lim_3bs_01b_0917.pdf

General discussion

Presentation #8

Title: Comments r03-5, r03-6, r03-8, & r03-7: In Support of OMA and TDECQ min comments

By: Brian Welch

See http://www.ieee802.org/3/bs/public/17_09/welch_3bs_01_0917.pdf

General discussion

Presentation #9

Title: Improved optical power specs for 200GBASE-DR4 and 400GBASE-DR4

By: Piers Dawe

See http://www.ieee802.org/3/bs/public/17_09/dawe_3bs_03_0917.pdf

General discussion

Straw Poll #1

I support making the changes proposed on pages 5 and 6 of dawe_3bs_03_0917

Yes 6

No 11

Straw Poll #2

I support making the changes proposed on pages 7, 8 and 9 of dawe_3bs_03_0917

Yes 5

No 10

Presentation #10

Title: TDECQ - Optimizing time center of Eye

By: Jonathan King

See http://www.ieee802.org/3/bs/public/17_09/king_3bs_01a_0917.pdf

King announced list of new supporters that were not shown on version of presentation being updated

General discussion

Presentation #11

Title: TDECQ versus real receiver slope

By: Matt Traverso

See http://www.ieee802.org/3/bs/public/17_09/mazzini_3bs_01_0917.pdf

General discussion

Presentation #12

Title: Relaxing TDECQ for SMF PMDs with PAM4

By: Kohichi Tamura

See http://www.ieee802.org/3/bs/public/17_09/tamura_3bs_01a_0917.pdf

General discussion

Task Force Comment Review completed approximately 7pm.

Chief Editor asked if there were any comments that individuals wanted removed from the bucket. Mike Dudek requested that Comment #35 be taken out. Comment #35 was reviewed.

Motion #3

Move to:

- Adopt proposed responses to remaining comments, noted as “bucket” on slide 9 of anslow_3bs_01a_0917.pdf
- Generate Draft 3.4 for Sponsor Ballot Recirculation from D3.3 and closed comments
- M: Pete Anslow
- S: Peter Stassar
- Technical ($\geq 75\%$)
- Results (y/n/a) : 47 / 0 / 2
- Motion Passes

Motion #4

Move that the IEEE P802.3bs Task Force re-affirm the CSD responses in <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0057-00-ACSD-802-3bs.pdf> and request conditional approval to progress the IEEE P802.3bs draft to RevCom once the Sponsor ballot process has been successfully completed.

- M: Pete Anslow
- S: Ali Ghiasi
- Technical ($\geq 75\%$)
- Results (y/n/a): 40 / 0 / 4
- Motion Passes

Presentation #13

Title: Chief Editor's Closing Report

By: Pete Anslow

See http://www.ieee802.org/3/bs/public/17_09/anslow_3bs_03_0917.pdf

It was noted that there might be a meeting in November pending sponsor ballot recirculations.

Straw Poll Attendance

- For [tentative] Nov 2017 IEEE P802.3bs TF Meeting
 - I will attend 28
 - I may attend 7
 - I will not attend 3

Motion #5

Move to adjourn

- Moved by: David Ofelt
- Second by: Steve Trowbridge
- Pass by voice vote without opposition

Chair thanked everyone for their efforts over the past 4.5 years, and noted it had been an interest experience.

Meeting adjourned 7:58pm.

Attendees

IEEE P802.3bs Task Force			9/11
Last Name	First Name	Employer / Affiliation	Mon
Anslow	Pete	Ciena Corporation	x
Baden	Eric	Broadcom	x
Brooks	Paul	Viavi Solutions	x
Burreli	Gary	Elenion Technologies	x
Butter	Adrian	Global Foundries	x
Choudhury	Mabud	OFS	x
D'Ambrosia	John	Futurewei, subsidiary of Huawei	x
Dawe	Piers	Mellanox	x
Dudek	Mike	Cavium	x
Ewen	John	Global Foundries	x
Fathi Moghadam	Borhan	Nvidia	x
Ghiasi	Ali	Ghiasi Quantum, Ghiasi Quantum / Huawei	x
Gorshe	Steve	Microsemi	x
Grow	Bob	RMG Consulting	x
Gustlin	Mark	Xilinx	x
Hayakawa	Akinori	Fujitsu Laboratories	x
Hegde	Raj	Broadcom	x
Hidaka	Yasuo	Fujitsu Laboratories of America	x
Huang	Xi	Huawei	x
Ingham	Jonathan	Foxconn Interconnect Technology	x
Isono	Hideki	Fujitsu Optical Components	x
Issenhuth	Tom	Issenhuth Consulting	x
Johnson	John	Broadcom	x
Kareti	Upen Reddy	Cisco	x
Klempa	Mike	UNH-IOL	x
LeCheminant	Greg	Keysight Technologies	x
Lee	Bernard	Seiko Advanced Components	x
Lewis	Dave	Lumentum	x
Li	Mike	Intel	x
Lim	Jane	Cisco	x
Liu	Hai-Feng	Intel	x
Liu	Zhenyu	Credo Semiconductor	x
Malicoat	David	Malicoat Networking Solutions / Senko	x
Mellitz	Richard	Samtec	x
Mitcheltree	Tom	US Conec	x
Nakamoto	Edward	Spirent Communications	x
Ninomiya	Takuya	Senk Advanced Components	x
Ofelt	David	Juniper Networks	x
Palkert	Tom	Molex / Macom	x
Pham	Phong	US Conec Ltd	x

Piehler	David	Dell EMC	x
Rabinovich	Rick	IXIA	x
Rodgers	David	Teledyne LeCroy	x
Sakai	Toshiaki	Socionext	x
Sone	Yoshiaki	NTT	x
Sprague	Ted	Infinera	x
Stassar	Peter	Huawei	x
Swanson	Steve	Corning	x
Szczepanek	Andre	Independent	x
Takahara	Tomoo	Fujitsu Laboratories	x
Toyserkani	Pirooz	Cisco	x
Tracy	Nathan	TE Connectivity	x
Traverso	Matthew	Cisco	x
Trowbridge	Steve	Nokia	x
Wang	Hsiuche	Applied Optoelectronics	x
Wang	Tongtong	Huawei	x
Wang	Xinyuan	Huawei	x
Wang	Yi	AOI	x
Welch	Brian	Luxtera	x
Xu	Yu	Huawei	x
Young	James	Commscope	x
Zhang	Huanlin	Applied Optoelectronics	x
Zhang	Kevin	IDT	x
Zhao	Wenyu	CAICT	x
Zivny	Pavel	Tektronix	x