

July Approved Minutes  
**IEEE P802.3bs 200 GbE & 400 GbE Task Force**  
Plenary Meeting – July 10 - 11, 2017  
Berlin, Germany

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

**Table of Contents**

IEEE P802.3bs Task Force Plenary Meeting – July 10, 2017:.....	2
IEEE P802.3bs Task Force Plenary Meeting – July 11, 2017:.....	5
Attendees .....	7

## **IEEE P802.3bs Task Force Plenary Meeting – July 10, 2017:**

*Prepared by John D'Ambrosia*

Meeting convened at 1:02 pm,

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\\_07/agenda\\_3bs\\_01\\_0717.pdf](http://www.ieee802.org/3/bs/public/17_07/agenda_3bs_01_0717.pdf)

Chair reviewed the agenda.

### **Motion #1:**

Move to approve the agenda

- Moved by: Steve Trowbridge
- Second by: Mark Gustlin
- 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

- May 2017 Minutes -  
[http://www.ieee802.org/3/bs/public/17\\_05/minutes\\_3bs\\_0517\\_unapproved.pdf](http://www.ieee802.org/3/bs/public/17_05/minutes_3bs_0517_unapproved.pdf)
- Moved by: Mike Dudek
- Second by: Tom Palkert
- Pass by voice vote without opposition

Chair went over D3.2 Recirculation Sponsor Ballot Summary

- 134 Voters
- 102 Approve
- 9 Disapprove
- 4 Abstain
- 115 Ballots returned
  
- 85.82% Response Rate ( $\geq 75\%$  required)
- 3.48% Abstain Rate ( $< 30\%$  required)
- 91.89% Approval Rate ( $\geq 75\%$  required)

Chair thanked everyone who voted / submitted comments.

Chair went over goals for week.

- ❖ Goals for the meeting
  - ❖ Consider Sponsor Ballot comments received against D3.2,
  - ❖ Approve generation of D3.3 for Sponsor Ballot Recirculation
  - ❖ Request Conditional Approval to submit to RevCom
  - ❖ Consider communication from OIF
- ❖ Big ticket items to address
  - ❖ TDECQ

Chair noted that the group would consider whether to request conditional approval on Tuesday, based on the outcome of 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 noted the Task Force had the following communications to consider at this meeting.

OIF –

- [http://www.ieee802.org/3/minutes/jul17/incoming/OIF\\_to\\_IEEE\\_P802d3bs\\_cd\\_VSR\\_Jun\\_2017.pdf](http://www.ieee802.org/3/minutes/jul17/incoming/OIF_to_IEEE_P802d3bs_cd_VSR_Jun_2017.pdf)
- [http://www.ieee802.org/3/minutes/jul17/incoming/OIF\\_to\\_IEEE\\_P802d3bs\\_cd\\_MR\\_LR\\_Jul\\_2017.pdf](http://www.ieee802.org/3/minutes/jul17/incoming/OIF_to_IEEE_P802d3bs_cd_MR_LR_Jul_2017.pdf)

Chair noted the Task Force ad hocs and reports for those ad hocs (SMF, Electrical) that had met since the May meeting.

Chair went over the schedule for the week.

Chair noted that a late presentation had been submitted from Winston Way regarding TDECQ. Group agreed to hear it pending time availability.

**Presentation #2:**

Title: Chief Editor's Opening Report

By: Pete Anslow

See [http://www.ieee802.org/3/bs/public/17\\_07/anslow\\_3bs\\_01\\_0717.pdf](http://www.ieee802.org/3/bs/public/17_07/anslow_3bs_01_0717.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 1:45 pm approximately.

**Presentation #3**

Title: Making the jitter specs for 400GAUI-8 and 400GBASE-DR4 compatible

By: Piers Dawe

See [http://www.ieee802.org/3/bs/public/17\\_07/dawe\\_3bs\\_02\\_0717.pdf](http://www.ieee802.org/3/bs/public/17_07/dawe_3bs_02_0717.pdf)

General discussion

**Presentation #4**

Title: Effective Return Loss (ERL): A New Parameter To Limit COM Variability

By: Rich Mellitz

See [http://www.ieee802.org/3/bs/public/17\\_07/mellitz\\_3bs\\_01a\\_0717.pdf](http://www.ieee802.org/3/bs/public/17_07/mellitz_3bs_01a_0717.pdf)

General discussion

**Presentation #5**

Title: Package impedance and termination effect on COM (update 2)

By: Mike Dudek

See [http://www.ieee802.org/3/bs/public/17\\_07/dudek\\_3bs\\_01\\_0717.pdf](http://www.ieee802.org/3/bs/public/17_07/dudek_3bs_01_0717.pdf)

General discussion

Break at  $\approx$  3:45

Meeting reconvened at  $\approx$  4:00pm. Comment resolution continued.

**Presentation #6**

Title: Mitigating Interaction Problems of Impedance Matching between Channel and Rx (#r02-10/14/55)

By: Yasuo Hidaka

See [http://www.ieee802.org/3/bs/public/17\\_07/hidaka\\_3bs\\_01a\\_0717.pdf](http://www.ieee802.org/3/bs/public/17_07/hidaka_3bs_01a_0717.pdf)

General discussion

Hidaka to send update of presentation. (Update shown above).

Chair noted that morning meeting would start at 7am on Tuesday morning.

Meeting broke for day at 6pm.

## **IEEE P802.3bs Task Force Plenary Meeting – July 11, 2017:**

Meeting reconvened at 7:04am, Tuesday, July 11.

Opening Comments by Chair.

Patent Slides shown. Chair calls for potentially essential patents. No one came forward.

Chair noted he had received an update from Winston Way that was substantially different than the posted version. The Chair asked if there were any objections to hearing the updated presentation, pending time availability. There were none.

Comment resolution continued.

### **Presentation #7**

Title: Return Loss Specifications for C2C Tx and Rx

By: Mike Dudek

See [http://www.ieee802.org/3/bs/public/17\\_07/dudek\\_3bs\\_02\\_0717.pdf](http://www.ieee802.org/3/bs/public/17_07/dudek_3bs_02_0717.pdf)

General discussion

### **Presentation #8**

Title: C2C return loss and test fixture

By: Piers Dawe

See [http://www.ieee802.org/3/bs/public/17\\_07/dawe\\_3bs\\_03\\_0717.pdf](http://www.ieee802.org/3/bs/public/17_07/dawe_3bs_03_0717.pdf)

General discussion

### **Presentation #9**

Title: C2C SNDR and SNR\_ISI

By: Piers Dawe

See [http://www.ieee802.org/3/bs/public/17\\_07/dawe\\_3bs\\_04\\_0717.pdf](http://www.ieee802.org/3/bs/public/17_07/dawe_3bs_04_0717.pdf)

General discussion

### **Presentation #10**

Title: C2M spec consistency and tolerancing

By: Piers Dawe

See [http://www.ieee802.org/3/bs/public/17\\_07/dawe\\_3bs\\_01\\_0717.pdf](http://www.ieee802.org/3/bs/public/17_07/dawe_3bs_01_0717.pdf)

General discussion

### **Presentation #11**

Title: Call for a review of the SMF optical powers

By: Piers Dawe

See [http://www.ieee802.org/3/bs/public/17\\_07/dawe\\_3bs\\_05\\_0717.pdf](http://www.ieee802.org/3/bs/public/17_07/dawe_3bs_05_0717.pdf)

Chief Editor noted he had received a request to pull two comments from the bucket - #64 and #65.

Chief Editor asked if any individuals wished to have other comments removed from the bucket. There were none.

Comment resolution completed.

Chair discussed “Request for Conditional Approval” with Task Force, but based on comment resolution, it was agreed that the request would not be made at this meeting.

### **Motion #3**

Move to:

- Adopt proposed responses to remaining comments, noted as “bucket” on slide 9 of anslow\_3bs\_01\_0717.pdf
- Generate Draft 3.3 for Sponsor Ballot Recirculation from D3.2 and closed comments
- M: Pete Anslow
- S: Andre Szczepanek
- Technical ( $\geq 75\%$ )
- Results All: Y: 62 N: 0 A:1
- Motion Passes

### **Motion #4**

Move that the IEEE P802.3bs Task Force approve as liaison communication:

- to OIF: IEEE\_802d3bs\_to\_OIF\_CEI\_0713\_liaison  
with editorial license granted to the Chair (or his appointed agent) from the IEEE 802.3 Working Group
- M: Mark Nowell
- S: Mike Dudek
- Procedural ( $> 50\%$ )
- Results: Motion passes by voice vote.

Attendance Poll

- For Sept 2017 IEEE P802.3bs TF Meeting
  - I will attend – 43
  - I may attend - 16
  - I will not attend - 9

### **Presentation #12**

Title: Chief Editor’s Closing Report

By: Pete Anslow

See [http://www.ieee802.org/3/bs/public/17\\_07/anslow\\_3bs\\_03\\_0717.pdf](http://www.ieee802.org/3/bs/public/17_07/anslow_3bs_03_0717.pdf)

### **Presentation #13**

Title: Proposed Reference Equalizer Change in Clause 122.8.5.4

By: Winston Way

See [http://www.ieee802.org/3/bs/public/17\\_07/way\\_3bs\\_01a\\_0717.pdf](http://www.ieee802.org/3/bs/public/17_07/way_3bs_01a_0717.pdf)

With completion of agenda, meeting adjourned at approximately noon.

## Attendees

IEEE P802.3bs Task Force			7/10	7/11
Last Name	First Name	Employer / Affiliation	Mon	Tues
Anslow	Pete	Ciena Corporation	x	x
Braun	Ralf-Peter	Deutsche Telekom	x	x
Brown	Matt	Macom	x	
Butter	Adrian	Global Foundries	x	x
Cady	Ed	Luxshare	x	
Carlson	Steve	HSD	x	
Chen	C.C David	AOI	x	x
Choudhury	Mabud	OFS	x	
Chuang	Keng Hua	HP Enterprise		x
D'Ambrosia	John	Futurewei, subsidiary of Huawei	x	x
Dawe	Piers	Mellanox	x	x
Dudek	Mike	Cavium	x	x
Estes	Dave	Spirent Communications	x	x
Fife	James	eTopus Tech	x	x
Filip	Jan	Maxim Integrated Products Inc.	x	x
Ghiasi	Ali	Ghiasi Quantum, Ghiasi Quantum / Huawei	x	
Gorshe	Steve	Microsemi	x	x
Grillaert	Joost	Nexans	x	x
Gustlin	Mark	Xilinx	x	x
Hashimoto	Tomohiro	Socionext	x	x
Hayakawa	Akinori	Fujitsu Laboratories	x	x
Healey	Adam	Broadcom LTD	x	x
Hegde	Raj	Broadcom	x	x
Hidaka	Yasuo	Fujitsu Laboratories of America	x	x
Huang	Xi	Huawei	x	
Ishibe	Kazuhiko	Anristu	x	x
Isono	Hideki	Fujitsu Optical Components	x	x
Issenhuth	Tom	Issenhuth Consulting	x	x
Jackson	Kenneth	Sumitomo		x
Kang	Vincent	GUC		x
Kareti	Upen Reddy	Cisco		x
Kawatsu	Yasuaki	Apresia Systems	x	
Kimber	Mark	Semtech	x	x
Koehler	Daniel	More than IP		x
Lapak	Jeff	UNH-IOL	x	

LeCheminant	Greg	Keysight Technologies		x
Lee	Junhee	Samsung Electronics	x	x
Leizerorich	Hanan	MultiPhy	x	x
Li	Mike	Intel	x	x
Lim	Jane	Cisco		x
Lin	Yingo	AOI		x
Lusted	Kent	Intel	x	x
Maki	Jeffery	Juniper Networks	x	x
McSorley	Greg	Amphenol	x	
Mellitz	Richard	Samtec	x	x
Muth	Karl	Rockley Phot.	x	x
Nakamoto	Edward	Spirent Communications	x	x
Nicholl	Gary	Cisco	x	x
Nowell	Mark	Cisco		x
Ofelt	David	Juniper Networks	x	x
Palkert	Tom	Molex / Macom	x	x
Pham	Phong	US Conec Ltd	x	x
Pozzebon	Dino	Microsemi	x	x
Ran	Adee	Intel	x	x
Rechtman	Zvi	Mellanox	x	x
Rotolo	Salvatore	STM Microelectronics	x	x
Shirao	Mizuki	Mitsubishi Electric	x	x
Sommers	Scott	Molex	x	x
Sone	Yoshiaki	NTT	x	x
Sprague	Ted	Infinera	x	x
Stassar	Peter	Huawei	x	x
Swanson	Steve	Corning		x
Szczepanek	Andre	Inphi	x	x
Tailor	Bharat	Semtech Corp	x	x
Takahara	Tomoo	Fujitsu Laboratories	x	x
Takai	Atsushi	Huawei Japan	x	x
Tamura	Kohichi	Oclaro Japan	x	x
Tan	Kan	Tektronix	x	x
Tooyserkani	Pirooz	Cisco		x
Tracy	Nathan	TE Connectivity	x	x
Traverso	Matthew	Cisco		x
Trowbridge	Steve	Nokia	x	x
Ulrichs	Ed	Source Photonics	x	
Way	Winston	NeoPhotonics	x	x
White	Martin	Cavium	x	



Zivny	Pavel	Tektronix	x	x
Zortea	Tony	Multiphy	x	
Rysin	Alexander	Mellanox Technologies	x	x
Zhao	Qing	Huawei	x	x
Sun	Liyong	Huawei	x	
Ruibo	Hai	China Mobile	x	
Takai	Yosuke	Yamaichi Electronics	x	x
Yamamoto	Shuto	NTT	x	x
Cheng	Weiyong	Coriant	x	
Kropp	Joerg-R	VI Systems	x	
Williams	Tom	Acacia Acommunications	x	
Johnson	John	Broadcom	x	
Kochuparambil	Beth	Cisco Systems		x
Yang	Shih-Chih	ASI		x