

Approved Minutes  
**IEEE P802.3bs 200 GbE & 400 GbE Task Force**  
Interim Meeting – May 24 – 26, 2017  
New Orleans, LA, USA

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

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## **IEEE P802.3bs Task Force Interim Meeting – May 24, 2017:**

*Prepared by John D'Ambrosia*

Interim meeting convened at 1:38pm, Chaired by John D'Ambrosia, IEEE P802.3bs Task Force Chair

Introductions were made.

Agenda & General Information

By – John D'Ambrosia

See - [http://www.ieee802.org/3/bs/public/17\\_05/agenda\\_3bs\\_01\\_0517.pdf](http://www.ieee802.org/3/bs/public/17_05/agenda_3bs_01_0517.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

- Mar 2017 Minutes -  
[http://www.ieee802.org/3/bs/public/17\\_03/minutes\\_3bs\\_a\\_0317\\_unapproved.pdf](http://www.ieee802.org/3/bs/public/17_03/minutes_3bs_a_0317_unapproved.pdf)
- Moved by: Thananya Baldwin
- Second by: Mike Dudek
- Pass by voice vote without opposition

## Chair went over D3.1 Recirculation Sponsor Ballot Summary

- 134 Voters
  - 101 Approve
  - 7 Disapprove
  - 5 Abstain
  - 113 Ballots returned
- 
- 84.33% Response Rate ( $\geq 75\%$  required)
  - 4.42% Abstain Rate ( $< 30\%$  required)
  - 93.52% Approval Rate ( $\geq 75\%$  required)

Chair thanked everyone who voted / submitted comments.

Chair went over goals for week.

### Goals:

- Items to be resolved include:
  - SSPRQ characteristics
  - hi\_ser response
  - Optical extinction ratio limits
- Consider liaison from OIF
- Consider path forward

Chair noted the announcement of the June 20 Contingent Teleconference Call that had been announced. The Chair and Chief Editor would assess the need for the call, based on the results of this week's meeting.

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/may17/incoming/OIF\\_to\\_IEEE\\_P802d3bs\\_cd\\_Apr\\_2017.pdf](http://www.ieee802.org/3/minutes/may17/incoming/OIF_to_IEEE_P802d3bs_cd_Apr_2017.pdf)

It was not felt that a response was necessary, but it was suggested that D3.2 should be sent to the OIF.

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

Chair went over the schedule for the week.

**Presentation #1:**

Title: Chief Editor's Opening Report

By: Pete Anslow

See [http://www.ieee802.org/3/bs/public/17\\_05/anslow\\_3bs\\_01\\_0517.pdf](http://www.ieee802.org/3/bs/public/17_05/anslow_3bs_01_0517.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 2:15pm approximately.

**Presentation #2:**

Title: CL119 HI-SER and Link Status

By: Oded Wertheim

See [http://www.ieee802.org/3/bs/public/17\\_05/wertheim\\_3bs\\_01\\_0517.pdf](http://www.ieee802.org/3/bs/public/17_05/wertheim_3bs_01_0517.pdf)

**Presentation #3:**

Title: Comments 28 & 29: Proposed Text

By: Mark Gustlin

See [http://www.ieee802.org/3/bs/public/17\\_05/gustlin\\_3bs\\_01\\_0517.pdf](http://www.ieee802.org/3/bs/public/17_05/gustlin_3bs_01_0517.pdf)

Break at 3:07pm

Meeting reconvened at approximately 3:20pm

**Presentation #4:**

Title: Baseline wander with FEC

By: Pete Anslow

See [http://www.ieee802.org/3/bs/public/17\\_05/anslow\\_3bs\\_03\\_0517.pdf](http://www.ieee802.org/3/bs/public/17_05/anslow_3bs_03_0517.pdf)

Comment resolution continued.

Broke for day at approximately 5:30pm

## **IEEE P802.3bs Optical Track Comment Review Meeting – May 25, 2017:**

*Prepared by Pete Anslow*

IEEE P802.3bs optical track meeting convened at 8:30 a.m., Thursday, 25 May, 2017, chaired by Pete Anslow, IEEE P802.3bs Chief Editor.

Chair asked if anyone was not familiar with the IEEE patent policy. There was no response.

Comment resolution started at 8:38 a.m.

Break at 10:20 a.m.

Resume at 10:44 a.m.

Comment resolution continued.

### **Presentation #1:**

Title: Suggested text for comment r01-16

By: Adee Ran

See [http://www.ieee802.org/3/bs/public/17\\_05/ran\\_3bs\\_01\\_0517.pdf](http://www.ieee802.org/3/bs/public/17_05/ran_3bs_01_0517.pdf)

Break for lunch at 12:14 a.m. Resume at 1:31 p.m.

Optical track was joined by participants of the Electrical track.

### **Presentation #2:**

Title: Proposed reference equalizer change in Clause 124

By: Matt Traverso

See [http://www.ieee802.org/3/bs/public/17\\_05/traverso\\_3bs\\_01\\_0517.pdf](http://www.ieee802.org/3/bs/public/17_05/traverso_3bs_01_0517.pdf)

### **Presentation #3:**

Title: Proposed Reference Equalizer Change in Clause 122.8.5.4 and Test Pattern Change in Table 122-15

By: Winston Way

See [http://www.ieee802.org/3/bs/public/17\\_05/way\\_3bs\\_01a\\_0517.pdf](http://www.ieee802.org/3/bs/public/17_05/way_3bs_01a_0517.pdf)

Comment resolution continued.

Break at 3:00 p.m.

Resume at 3:20 p.m.

### **Presentation #4:**

Title: Improved extinction ratio specifications

By: Piers Dawe

See [http://www.ieee802.org/3/bs/public/17\\_05/way\\_3bs\\_01a\\_0517.pdf](http://www.ieee802.org/3/bs/public/17_05/way_3bs_01a_0517.pdf)

Comment resolution completed at 4:39 p.m.

**Presentation #5:**

Title: Package impedance and termination effect on COM

By: Mike Dudek

See [http://www.ieee802.org/3/bs/public/17\\_05/dudek\\_3bs\\_02\\_0517.pdf](http://www.ieee802.org/3/bs/public/17_05/dudek_3bs_02_0517.pdf)

Break for the day at approximately 5:20 p.m.

## **IEEE P802.3bs Electrical Track Comment Review Meeting – May 25, 2017:**

*Prepared by Andre Szczepanek*

IEEE P802.3bs 200 & 400 Gb/s electrical track meeting convened at 8:35 a.m., Thursday, May 25, 2017, chaired by Andre Szczepanek, IEEE P802.3bs Annex 120D/E Editor.

Comment resolution started.

Break at 10:07 a.m. Resume at 10:25 a.m.

Comment resolution continued.

### **Presentation #1:**

Title: **Improved return loss limit for C2C**

By: Piers Dawe

See [http://www.ieee802.org/3/bs/public/17\\_05/dawe\\_3bs\\_02\\_0517.pdf](http://www.ieee802.org/3/bs/public/17_05/dawe_3bs_02_0517.pdf)

### **Presentation #2:**

Title: **Comparison of Chip to Chip COM Transmitter with Tx specifications**

By: Mike Dudek

See [http://www.ieee802.org/3/bs/public/17\\_05/dudek\\_3bs\\_01a\\_0517.pdf](http://www.ieee802.org/3/bs/public/17_05/dudek_3bs_01a_0517.pdf)

Track broke at 12:34 p.m.

## **IEEE P802.3bs Task Force Meeting – May 26, 2017:**

*Prepared by John D'Ambrosia*

Reconvened at 8:35am, Chaired by John D'Ambrosia, IEEE P802.3bs Task Force Chair

Opening comments by Chair.

### **Presentation #5:**

Title: Optical Track Closing Report

By: Pete Anslow

See [http://www.ieee802.org/3/bs/public/17\\_05/anslow\\_3bs\\_04\\_0517.pdf](http://www.ieee802.org/3/bs/public/17_05/anslow_3bs_04_0517.pdf)

### **Presentation #6:**

Title: Electrical Track Closing Report

By: Andre Szczepanek

See [http://www.ieee802.org/3/bs/public/17\\_05/szczepanek\\_3bs\\_02\\_0517.pdf](http://www.ieee802.org/3/bs/public/17_05/szczepanek_3bs_02_0517.pdf)

Comments for reconsideration were then addressed. Comment #17 was reopened.

Chief editor asked if there were any comments to be removed from the bucket. There were none.

### **Motion #3:**

Move to:

- Adopt proposed responses to remaining comments, noted as “bucket” on slide 11 of anslow\_3bs\_01\_0517.pdf
- Generate Draft 3.2 for Sponsor Ballot Recirculation from D3.1 and closed comments

M: Pete Anslow

S: Andre Szczepanek

Technical ( $\geq 75\%$ )

Results All (y/n/a): 37 / 0 / 1

Motion Passes

Attendance Straw Poll – July 2017 – Berlin

- For July 2017 Plenary
  - a) I will attend
  - b) I may attend
  - c) I will not attend
- Results
  - a) 33
  - b) 3
  - c) 7

### **Presentation #7:**

Title: Chief Editor's Closing Report

By: Pete Anslow

See [http://www.ieee802.org/3/bs/public/17\\_05/anslow\\_3bs\\_05\\_0517.pdf](http://www.ieee802.org/3/bs/public/17_05/anslow_3bs_05_0517.pdf)

Chair noted that the June 20 Contingent Teleconference was cancelled.

Chair reviewed future meetings. (See: <http://www.ieee802.org/3/interims/index.html>)



Chair discussed the July Plenary with the Task Force. It was agreed by all that worst case only 1 day would be needed, and the Chair indicated he would request Mon afternoon and Tues morning.

- 
- July 2017 Plenary
  - Week of July 9
  - Berlin, Germany
- Sept 2017 Interim
  - Week of Sept 11
  - Charlotte, NC, USA
- Nov 2017 Plenary
  - Week of Nov 6
  - Orlando, FL, USA

Chair noted agenda was complete.

Motion to adjourn

M: David Ofelt

S: Pavil Zivny

Motion passes by voice vote without opposition.

Meeting adjourned at approximately 9:40am.

## Attendees

IEEE P802.3bs Task Force			5/24	5/25	5/26
Last Name	First Name	Employer / Affiliation	Wed	Thurs	Fri
Anslow	Pete	Ciena Corporation	x	x	x
Baldwin	Thananya	Ixia	x		
Booth	Brad	Microsoft	x	x	
Braun	Ralf-Peter	Deutsche Telekom	x	x	x
Brooks	Paul	Viavi Solutions	x	x	x
Brown	Matt	Macom		x	
Burreli	Gary	Elenion Technologies	x	x	x
Butter	Adrian	Global Foundries	x		
Caggioni	Francesco	APM	x	x	
Chang	Frank	Inphi	x		
Chen	C.C David	AOI	x	x	x
Choudhury	Mabud	OFS	x	x	x
Cole	Chris	Finisar	x		
Conroy	Keith	Acacia	x		
D'Ambrosia	John	Futurewei, subsidiary of Huawei	x	x	x
Dawe	Piers	Mellanox	x	x	x
Didi	Stephen	Keysight Technologies	x	x	x
Dong	Peng	Huawei	x	x	x
Dudek	Mike	Cavium	x	x	x
Estes	Dave	Spirent Communications	x	x	
Ewen	John	Global Foundries	x	x	
Ghiasi	Ali	Ghiasi Quantum, Ghiasi Quantum / Huawei	x	x	
Gong	Zhigang	D-Net	x	x	x
Guo	Bujin	AOI	x		
Gustlin	Mark	Xilinx	x		
Hayakawa	Akinori	Fujitsu Laboratories	x	x	x
Healey	Adam	Broadcom LTD		x	
Hegde	Raj	Broadcom	x	x	
Hidaka	Yasuo	Fujitsu Laboratories of America	x	x	x
Huang	Xi	Huawei	x		x
Ingham	Jonathan	Foxconn Interconnect Technology	x		
Isono	Hideki	Fujitsu Optical Components	x	x	
Issenhuth	Tom	Microsoft	x	x	
Jackson	Kenneth	Sumitomo	x	x	x
Kareti	Upen Reddy	Cisco	x	x	
Kimber	Mark	Semtech	x	x	

King	Jonathan	Finisar Corp.		x	
Klempa	Mike	UNH-IOL	x		
Kolesar	Paul	CommScope		x	
Lane	Brett	Panduit Corp.	x		
LeCheminant	Greg	Keysight Technologies	x	x	x
Lewis	Dave	Lumentum		x	x
Li	Mike	Intel		x	
Lim	Jane	Cisco	x		
Lingle, Jr.	Robert	OFS	x		
Liu	Hai-Feng	Intel	x		
Maki	Jeffery	Juniper Networks	x	x	x
Malicoat	David	Malicoat Networking Solutions / Kazan Networks	x	x	x
Marris	Arthur	Cadence		x	
Matoglu	Erdem	Amphenol	x		
McDermott	Tom	Fujitsu	x	x	x
McDonough	John	NEC America	x		
Mellitz	Richard	Samtec	x	x	x
Mitcheltree	Tom	US Conec	x	x	x
Nakamoto	Edward	Spirent Communications	x		
Ofelt	David	Juniper Networks	x	x	
Palkert	Tom	Molex / Macom	x	x	
Pimpinella	Rick	Panduit Corp.	x	x	x
Qiwen	Zhongfeng	Huawei		x	x
Rabinovich	Rick	IXIA	x	x	x
Rodgers	David	Teledyne LeCroy	x		
Rotolo	Salvatore	STM Microelectronics	x	x	x
Sakai	Toshiaki	Socionext	x		
Sambasivan	Sam	AT&T	x		
Satake	Toshiaki	US Conect Ltd	x	x	x
Sayre	Edward	Samtec		x	x
Schube	Scott	Intel	x	x	
Sommers	Scott	Molex	x	x	
Sprague	Ted	Infinera	x	x	x
Stassar	Peter	Huawei	x	x	x
Stone	Rob	Broadcom	x	x	
Sun	Phil	Credo Semiconductor	x	x	x
Swanson	Steve	Corning	x		
Szczepanek	Andre	Inphi	x	x	x
Tailor	Bharat	Semtech Corp	x		

Takahara	Tomoo	Fujitsu Laboratories	x	x	x
Tamura	Kohichi	Oclaro Japan	x	x	
Tooyserkani	Pirooz	Cisco	x	x	
Tracy	Nathan	TE Connectivity	x	x	
Traverso	Matthew	Cisco	x	x	
Trowbridge	Steve	Nokia	x	x	x
Uchiyama	Asami	Mitsubishi Electric	x	x	x
Ulrichs	Ed	Source Photonics	x	x	
Wang	Hsiuche	Applied Optoelectronics	x	x	
Wang	Tongtong	Huawei	x		
Wang	Xinyuan	Huawei	x		
Wang	Yi	AOI	x		
Wang	Yi	AOI		x	
Way	Winston	NeoPhotonics	x		
Welch	Brian	Luxtera	x	x	
Wertheim	Oded	Mellanox	x	x	x
Xu	Qing	Belden	x		
Yin	Yue	Huawei	x	x	x
Young	Adrian	Leviton	x	x	
Young	James	Commscope	x	x	
Zhong	Qiwen	Huawei		x	x
Zhuang	Yan	Huawei	x		
Zivny	Pavel	Tektronix	x	x	x
Zuo	Tianjian	Huawei	x	x	x