

Unapproved Minutes
IEEE P802.3bs 200 GbE & 400 GbE Task Force
Plenary Meeting
Nov 7 - 9, 2016
San Antonio, TX, USA

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

Table of Contents

IEEE P802.3bs Task Force Meeting – Nov 7, 2016:2
IEEE P802.3bs Logic Track Comment Review Meeting – Nov 8, 2016:4
IEEE P802.3bs Optical track meeting – 8 November, 2016:5
IEEE P802.3bs Electrical Interface Track Comment Review Meeting – Nov 8, 2016:.....6
IEEE P802.3bs Task Force Comment Review Meeting – Nov 9, 2016:.....7
Attendees9

IEEE P802.3bs Task Force Meeting – Nov 7, 2016:

Prepared by John D'Ambrosia

Convened at 1:15 pm, 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/16_11/agenda_3bs_01a_1116.pdf

Chair reviewed the agenda.

Motion #1:

Move to approve the agenda

- Moved by: Thananya Baldwin
- Second by: Steve Trowbridge
- 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 attendance, IMAT and attendance book.

Motion #2:

Move to approve

- Sept 2016 Plenary Minutes - http://www.ieee802.org/3/bs/public/16_09/minutes_3bs_0916_unapproved.pdf
- Moved by: Thananya Baldwin
- Second by: Tom McDermott
- Pass by voice vote without opposition

Chair went over WG 1st Recirculation Ballot Results

- 212 Voters
- 122 Approve
- 11 Disapprove with comment
- 1 Disapprove without comment
- 18 Abstain
- 152 Ballots returned
- 71.70% Response Rate (> 50% required)
- 11.84% Abstain Rate (< 30% required)
- 91.73% Approval Rate (>= 75% required)

Chair thanked everyone who voted / submitted comments.

Chair went over goals for week.

Goals:

- Consider 164 comments
 - Hear 9 Technical presentations
- Approve generation of Draft 2.2
- Consider
 - OIF Communication
 - COBO Communication

Chair displayed the reflector and web page information. Chair 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.

Chair displays the Bylaws and Rules slides.

IEEE Patent Policy: Chair reviewed the Patent related slides on 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 noted the Task Force had the following communications to consider at this meeting.

- OIF - [OIF to IEEE P802.3bs and P802.3cd regarding progress on OIF CEI-56G projects](#)
- COBO - [http://www.ieee802.org/3/minutes/nov16/incoming/COBO to IEEE 802d3 Nov 2016.pdf](http://www.ieee802.org/3/minutes/nov16/incoming/COBO%20to%20IEEE%20d3%20Nov%202016.pdf)

Chair also noted that he had been assigned two liaisons by the 802.3 WG Chair to draft proposed responses. Chair noted he would draft responses and send to TF reflector for feedback -

- OIF - [http://www.ieee802.org/3/minutes/nov16/incoming/OIF to IEEE 802d3 Nov 2016.pdf](http://www.ieee802.org/3/minutes/nov16/incoming/OIF%20to%20IEEE%20d3%20Nov%202016.pdf)
- Broadband Forum - [http://www.ieee802.org/3/minutes/nov16/incoming/BBF_2016.904.02 to IEEE 802d3.pdf](http://www.ieee802.org/3/minutes/nov16/incoming/BBF_2016.904.02_to_IEEE_802d3.pdf)

Chair noted the Task Force ad hocs and reports for those ad hocs that had met since the Sept Interim.

Presentation #1:

Title: Chief Editor's Opening Report

By: Pete Anslow

See http://www.ieee802.org/3/bs/public/16_11/anslow_3bs_01_1116.pdf

Chief editor thanked the editorial team for their hard work and support of the WG Ballot.

Chief editor noted that there were three late comments, and noted to individuals the challenges with dealing with such comments. Chief Editor reviewed the comment review time cycle, and discussed the consequences with the Task Force of not considering all comments.

Discussion of Requesting Conditional Approval for Sponsor Ballot was discussed. Chair showed IEEE 802 LMSC Operations Manual, Section 11 - Procedure for conditional approval to forward a draft standard http://ieee802.org/PNP/approved/IEEE_802_OM_v19.pdf

While some expressed concerns, chair noted that going forward to Sponsor Ballot would be dependent on no negative valid new Disapprove comment(s)/vote(s) being submitted.

Chief Editor resumed Chief Editor's Report discussing plan on addressing comments.

Task Force Comment Review started.

Break at 3:14pm

Meeting reconvened at approximately 3:35pm

Comment resolution continued.

Chief editor noted 3 late comments had been received, and asked group if there was any objection to hearing the 3 comments. No objections from the Task Force were raised.

Meeting broke for day at approximately 5:50pm.

IEEE P802.3bs Logic Track Comment Review Meeting – Nov 8, 2016:

Prepared by Mark Gustlin

Convened at 8:32am, Chaired by Mark Gustlin, IEEE P802.3bs Clauses 117, 118, 119, 119A Editor

Call for patents was made, no one stepped forward.

Comment resolution began.

Break at 9:51am

Meeting reconvened at 3pm

Comment resolution continued.

Break at 3:44pm for the day.

IEEE P802.3bs Optical track meeting – 8 November, 2016:

Prepared by Pete Anslow

IEEE P802.3bs 400 Gb/s optical track meeting convened at 8:35 a.m., Tuesday, 8 November, 2016, 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 8:40 a.m.

Break at 10:00 a.m.

Resume at 10:32 a.m.

Comment resolution continued.

Break for lunch at 12:10 p.m. Resume at 1:35 p.m.

Presentation #1:

Title: Improved pattern for testing optical transmitters

By: Piers Dawe

See http://www.ieee802.org/3/bs/public/16_11/dawe_3bs_01_1116.pdf

Comment resolution continued.

Presentation #2:

Title: Attachment to comments

By: Greg LeCheminant

See http://www.ieee802.org/3/bs/comments/P802d3bs_D2p1_attachments.zip

Break at 3:43 p.m.

Resume at 4:01 p.m.

Comment resolution completed at 4:11 p.m.

Presentation #3

Title: 802.3bs Comment Resolution, Optics Track Comment #89

By: Rick Pimpinella

See http://www.ieee802.org/3/bs/public/16_11/pimpinella_3bs_01_1116.pdf

Break for the day at 4:50 p.m.

IEEE P802.3bs Electrical Interface Track Comment Review Meeting – Nov 8, 2016:

Prepared by Andre Szczepanek

Convened at 8:05 a.m., Chaired by Andre Szczepanek, IEEE P802.3bs Annex 120D/E Editor.

Comment resolution started.

Presentation #1: Title: Comment #38, #40: Jitter Test Methods for 200GAUI-4 and 400GAUI-8

By: Yasuo Hidaka

See http://www.ieee802.org/3/bs/public/16_11/hidaka_3bs_01_1116.pdf

Presentation #2: Title: Comment #41: Effects of the change from Np=13 to Np=200

By: Yasuo Hidaka

See http://www.ieee802.org/3/bs/public/16_11/hidaka_3bs_02_1116.pdf

Presentation #3: Title: Comment #93: Accounting for Compensable and Un-compensable ISI Considering Adopted SNDR Measurement Requirements

By: Rich Mellitz

See http://www.ieee802.org/3/bs/public/16_11/mellitz_3bs_01_1116.pdf

Break at 10:05 a.m.

Resume at 10:20 a.m.

Comment resolution started.

Break for lunch at 12:00 a.m.

Resume at 1:15 p.m.

Comment resolution continued.

Presentation #4: Title: Comment #92: Improvements for Mated Test Fixture Consistency and Quality

By: Rich Mellitz

See http://www.ieee802.org/3/bs/public/16_11/mellitz_3bs_02_1116.pdf

Presentation #5: Title: Comment #26: C2M Eye-Mask Figure 120E-13 update proposal

By: Rick Rabinovitch

See http://www.ieee802.org/3/bs/public/16_11/rabinovitch_3bs_01_1116.pdf

Comment resolution continued.

Break at 3:25 p.m. Resume at 3:50 p.m.

Comment resolution continued.

Break for day at 5:56 p.m.

IEEE P802.3bs Task Force Comment Review Meeting – Nov 9, 2016:

Prepared by John D'Ambrosia

Reconvened at 8:05 am, Chaired by John D'Ambrosia, IEEE P802.3bs Task Force Chair

Chair showed Patent Slide Set, and did call for Patents. No one stepped forward.

Chair reviewed plan for morning.

Comment review

The remaining open comment (#122) was closed.

Four comments (#114, #99, #41, #153) were re-considered and the responses revised due to events in the parallel tracks.

There were no calls to open any proposed response from the "bucket."

Motion #3:

Move to:

- Adopt proposed responses to remaining comments, noted as "bucket" on slide 12 of [anslow_3bs_01_1116.pdf](#)
- Generate Draft 2.2 for WG Recirculation from D2.1 and closed comments

M: Pete Anslow

S: Steve Trowbridge

Technical ($\geq 75\%$)

Results All (y/n/a): 17 / 0 / 0

Motion Passes

Motion #4:

Move to:

- The IEEE P802.3bs Task Force re-affirms the CSD responses in <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0057-00-ACSD-802-3bs.pdf>
- The IEEE P802.3bs Task Force requests the 802.3 WG request conditional approval to progress the IEEE P802.3bs draft to IEEE 802 LMSC sponsor ballot once the Working Group ballot process has been successfully completed.

M: Pete Anslow

S: Peter Stassar

Technical ($\geq 75\%$)

Results (all): 13 / 0 / 2

Motion Passes

General discussion about motion.

Chair showed proposed responses to OIF

(http://www.ieee802.org/3/bs/public/16_11/dudek_3bs_01_1116.pdf) and COBO

(http://www.ieee802.org/3/bs/public/16_11/dambrosia_3bs_01_1116.pdf). Documents noted below reflect updates based on TF discussion of respective proposed responses.

Motion #5:

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

- IEEE_802d3_to_OIF_CEI_1116_draft.pdf as an informal communication to the OIF
- IEEE_802d3_to_COBO_status_1116_draft.pdf as an informal communication to COBO

with editorial license granted to the Chair (or his appointed agent) from the IEEE P802.3bs Task Force.

Note – This is a joint informal communication with the IEEE P802.3cd TF, and pending approval by the P802.3cd TF.

M: Thananya Baldwin

S: Jonathan King

Technical ($\geq 75\%$)

Results (all): Approved by voice vote without objection

Presentation #2:

Title: Chief Editor's Closing Report

By: Pete Anslow

See http://www.ieee802.org/3/bs/public/16_11/anslow_3bs_05_1116.pdf

Chair reviewed future meetings.

- See: <http://www.ieee802.org/3/interims/index.html>
- Jan 2017 Interim
 - Week of Jan 9
 - Huntington Beach, CA, 92648
- Mar 2017 Plenary
 - Week of Mar 13
 - Vancouver, BC, Canada
- May 2017 Interim
 - Week of May 22
 - New Orleans, LA, USA
- July 2017 Plenary
 - Week of July 9
 - Berlin, Germany
- Sept 2017 Interim
 - Week of Sept 11
 - North American Location
- Nov 2017 Plenary
 - Week of Nov 6
 - Orlando, FL, USA

Chair noted agenda was complete.

Motion to adjourn

M: Steve Trowbridge

S: Andre Szczepanek

Motion passes by voice vote without opposition.

Meeting adjourned approximately 9:45am.

Attendees

IEEE P802.3bs Task Force			11/7	11/8	11/9
Last Name	First Name	Employer / Affiliation	Mon	Tues	Wed
Affi	Emad	Gigpeak	x		
Amason	Dale	NXP	x		
Amezcuca	Adrian	Prysmian Group	x	x	
Anslow	Pete	Ciena Corporation	x	x	x
Baden	Eric	Broadcom	x	x	
Baldwin	Thananya	Ixia	x	x	x
Bietti	Ivan	Marvell Semiconductor	x	x	
Braun	Ralf-Peter	Deutsche Telekom	x	x	
Brown	David	Semtech	x	x	
Butter	Adrian	Global Foundries	x	x	
Carty	Clark	Cisco	x		
Chang	Frank	Inphi	x	x	
Chen	C.C David	AOI	x	x	
Cheng	Weiyang	Coriant	x	x	
Choudhury	Mabud	OFS	x	x	
Coppinger	Fred	Samtec	x	x	
D'Ambrosia	John	Futurewei, subsidiary of Huawei	x	x	x
Dawe	Piers	Mellanox	x	x	x
Diddle	Stephen	Keysight Technologies	x	x	
Dillard	John	Microsemi	x	x	
DiMinico	Chris	MC Communications / Panduit	x		
Dudek	Mike	Cavium	x	x	
Dupuis	Marc	Web Industries		x	
Estes	Dave	Spirent Communications	x	x	
Ewen	John	Global Foundries	x	x	
Fife	James	eTopus Tech	x	x	
Flatman	Alan	LAN Technologies	x		
Furlong	Michael	Clariphy Communications	x		
Ghiasi	Ali	Ghiasi Quantum, Ghiasi Quantum / Huawei	x	x	
Goergen	Joel	Cisco	x		
Gorshe	Steve	Microsemi	x	x	
Grow	Bob	RMG Consulting		x	
Guo	Bujin	AOI	x	x	
Gustlin	Mark	Xilinx	x	x	x
Hashimoto	Tomohiro	Socionext	x	x	
Hayakawa	Akinoh	Fujitsu Laboratories	x	x	x
Healey	Adam	Broadcom LTD	x	x	
Hegde	Raj	Broadcom		x	
Hidaka	Yasuo	Fujitsu Laboratories of America	x	x	x
Huang	James	Huawei	x		
Huang	Xi	Huawei	x	x	
Ishibe	Kazuhiko	Anristu	x	x	
Isono	Hideki	Fujitsu Ltd.	x	x	
Jackson	Kenneth	Sumitomo		x	
Kareti	Upen Reddy	Cisco	x	x	
Kawatsu	Yasuaki	Hitachi-Metals	x	x	

Kimber	Mark	Semtech	x		
King	Jonathan	Finisar Corp.		x	x
Kirkland	William	Semtech		x	
Klempa	Mike	UNH-IOL	x	x	x
Kolesar	Paul	CommScope	x	x	
Lackner	Hans	QoSCom	x	x	
Lane	Brett	Panduit Corp.		x	
Lapak	Jeff	UNH-IOL	x	x	x
LeCheminant	Greg	Keysight Technologies	x	x	
Lewis	Dave	Lumentum	x	x	
Li	Mike	Intel		x	
Lim	Jane	Cisco	x	x	
Lingle, Jr.	Robert	OFS	x	x	
Liu	Hai-Feng	Intel	x	x	
Liu	Zhenyu	Credo Semiconductor	x	x	
Marris	Arthur	Cadence		x	
McDermott	Tom	Fujitsu	x	x	x
Medina	Marcel	Spirent Communications	x	x	x
Mei	Richard	CommScope	x	x	
Mellitz	Richard	Samtec	x	x	
Motamedi	Amir	Cavium	x	x	
Norimatsu	Takayasu	Hitachi	x	x	
Nowell	Mark	Cisco	x		
Ofelt	David	Juniper Networks	x	x	x
Palkert	Tom	Molex / Macom	x	x	
Pham	Phong	US Conec Ltd	x	x	
Piehler	David	Dell EMC	x	x	
Pimpinella	Rick	Panduit Corp.	x	x	
Rabinovich	Rick	IXIA	x	x	
Ran	Adee	Intel	x	x	
Rotolo	Salvatore	STM Microelectronics		x	
Sakai	Toshiaki	Socionext	x	x	
Sayre	Edward	Samtec	x	x	
Shrikhande	Kapil	Innovium	x	x	x
Slavick	Jeff	Broadcom, Ltd.	x	x	
Sommers	Scott	Molex	x	x	
Sone	Yoshiaki	NTT	x	x	
Srivastava	Atul	NEL / NTT	x	x	
Stassar	Peter	Huawei	x	x	x
Stone	Rob	Broadcom	x	x	
Swanson	Steve	Corning		x	
Szczepanek	Andre	Inphi	x	x	x
Tailor	Bharat	Semtech Corp		x	
Takahara	Tomoo	Fujitsu Laboratories	x	x	
Tamura	Kohichi	Oclaro Japan	x	x	
Tellas	Ron	Belden	x		
Toyserkani	Pirooz	Cisco	x	x	
Tracy	Nathan	TE Connectivity	x	x	
Traverso	Matthew	Cisco	x	x	
Trowbridge	Steve	Nokia	x	x	x
Ulrichs	Ed	Source Photonics	x	x	
Vanderlaan	Paul	Nexans	x		

Wang	Roy	Hewlett Packard Enterprise	x	x	
Welch	Brian	Luxtera		x	
Wertheim	Oded	Mellanox	x	x	
White	Martin	Cavium		x	
Zambell	Andrew	FCI		x	
Zhang	Yuanbin	ZTE	x	x	
Zhong	Qiwen	Huawei	x		
Zivny	Pavel	Tektronix	x	x	x