

Meeting Minutes: IEEE P802.3bt DTE Power via MDI over 4-Pair Task Force
September 14-16, 2015
Fort Worth, TX, USA
Prepared by Jon Lewis

The meeting of IEEE P802.3bt DTE Power via MDI over 4-Pair Task Force convened at 8:05 AM, Wednesday, September 14, 2016 by Chad Jones, P802.3bt Task Force Chair.

Attendance is listed in Appendix A

The Chair called for introductions and affiliations, the participants introduced themselves.

ADMINISTRATIVE MATTERS

Presentation: [agenda_0916.pdf](#)

Presenter: Chad Jones, Chair.

The Chair reviewed the agenda. Mr. Jones turned to presentation [agenda_0916.pdf](#) and reviewed the schedule of presentations for the meeting.

Motion #1: Approve the agenda from [agenda_0916.pdf](#)

Mover: Dave Abramson **Second:** Matthias Wendt
Motion passes by voice vote without opposition (Procedural > 50%)

Motion #2: Approve the minutes from the July 2016 IEEE P802.3bt meeting.

Mover: Matthias Wendt **Second:** Yair Darshan
Motion passes by voice vote without opposition (Procedural > 50%)

The Chair then resumed the review of the agenda presentation:

- Mr. Jones noted that there should be no recording or photography without permission.
- Mr. Jones asked if anyone was attending from the press, none responded.

Mr. Jones reviewed the goals for the meeting, access to the reflector and website for P802.3bt, and ground rules.

Mr. Jones then continued review of the presentation, including the objectives for the meeting, which is to complete comment resolution and prepare D2.1 for Working Group ballot.

Attendance, Mr. Jones advised the group of the online attendance tool and the paper log book.

IEEE Patent Policy, at 8:15 AM, Mr. Jones asked if anyone had not seen the patent policy this week, none responded. Mr. Jones made the call for potentially essential patents at 8:17 AM, and none responded. Mr. Jones then completed the reading of slide #4.

Mr. Jones then continued review of the presentation, discussing that P802.3bt is in working group ballot. This meeting is primarily comment driven and presentations would be heard as necessary to resolve comments.

COMMENT RESOLUTION

Decisions during comment resolution were made by consensus, except where noted that motions were taken. For details on comment resolution see the posted comment database.

Morning break at 10:30AM.

The Task Force meeting resumed at 10:48AM.

Comment resolution continued.

Break for lunch at 12:01PM to resume at 1:15PM.

The Task Force meeting resumed at 1:15PM.

The Chair reminded the group to sign into the online attendance tool and sign the attendance log.

Comment resolution resumed.

Afternoon break at 2:55PM.

The Task Force meeting resumed at 3:15PM.

Comment resolution resumed.

The meeting recessed for the day at 4:01PM to resume Thursday, September 15, 2016 at 8:00AM.

The meeting was called to order at 8:00AM Thursday, September 15, 2016.

Attendance, Mr. Jones advised the group of the online attendance tool and the paper log book.

Liaisons, Mr. Jones advised the group of the updated liaison documents posted on the webpage which will be reviewed this afternoon prior to the Working Group Meeting.

Comment resolution resumed.

Morning break at 10:27AM.

The Task Force meeting resumed at 10:46AM.

Comment resolution resumed.

Break for lunch at 12:00PM to resume at 1:15PM.

The Task Force meeting resumed at 1:15PM.

Comment resolution resumed.

The Chair briefly suspended comment resolution to handle motions that were needed prior to the Working Group meeting. (2:17PM)

The Chair presented [cat-d-letter-rev.pdf](#) for discussion.

Motion #3: Move that the Chair to present [cat-d-letter-rev.pdf](#) to the Working Group

Mover: Chris DiMinico **Seconder:** George Zimmerman

Motion passes by voice vote without opposition (Procedural > 50%)

The Chair presented [IEEE 802d3 to EA 0916 draft.pdf](#) for discussion.

Motion #4: Move that the Chair to present [IEEE 802d3 to EA 0916 draft.pdf](#) to the Working Group

Mover: Matthias Wendt **Seconder:** Yair Darshan

Motion passes by voice vote without opposition (Procedural > 50%)

The Chair presented [TIA 8-30-2016 TCC SCC18.pdf](#)

Motion #5: Move that the Chair to present [TIA 8-30-2016 TCC SCC18.pdf](#) to the Working Group

Mover: Chris DiMinico **Seconder:** Bob Voss

Motion passes by voice vote without opposition (Procedural > 50%)

The Chair presented [TIA request 8-30-2016 TCC proposed public comment.pdf](#) for discussion.

Motion #6: Move that the Chair to present [TIA request 8-30-2016 TCC proposed public comment.pdf](#) to the Working Group

Mover: Bob Voss **Seconder:** Dave Abramson

Motion passes by voice vote without opposition (Procedural > 50%)

Comment resolution resumed at 2:29PM

Afternoon break at 3:02PM.

The Task Force meeting resumed at 3:21PM.

The Comment Editor announced that all comments not associated with a presentation had been addressed and the Task Force would now move to close comments aligned with presentations.

Title: 33.2.8.4.1 PSE PI pair-to-pair resistance and current unbalance
([darshan_07_0916Rev001.pdf](#))

Presenter: Yair Darshan, MicroSemi

Title: PSE Unbalance Requirements ([stover_01_0916_rev01.pdf](#))

Presenter: David Stover, Linear Technology

Comments related to the presentations were addressed.

Title: PSE Type identification ([yseboodt 04 0916 psetypeid.pdf](#))

Presenter: Lennart Yseboodt, Philips Lighting

Comments related to the presentation were addressed.

Title: PSE State Diagram ([yseboodt 06 0916 sdfix baseline.pdf](#))

Presenter: Lennart Yseboodt, Philips Lighting

Title: Remedy for comment no. 240 ([stover 02 0916 classnumevents.pdf](#))

Presenter: David Stover, Linear Technology

Comments related to the presentation were addressed.

Title: Management models (in support of comment no. 335) ([802d3bt law 01 0916.pdf](#))

Presenter: David Law, HPE

Title: Clause 33 - Management function requirements ([yseboodt 08 0916 management.pdf](#))

Presenter: Lennart Yseboodt, Philips Lighting

Comments related to the presentation were addressed.

Title: Comment (clause 33.3.3.12 no. 251 page 130 line 24) ([darshan 09 0915 Rev5.pdf](#))

Presenter: Yair Darshan, MicroSemi

Comments related to the presentation were addressed.

Recessed at 5:55PM to resume at 8:00AM.

The Task Force meeting resumed at 8:01AM.

The Chair reminded the group to sign into IMAT and in the paper log.

Comment resolution resumed.

Title: PSE INITIAL VALUE ([yseboodt 02 0916 pseinitialvalue.pdf](#))

Presenter: Lennart Yseboodt, Philips Lighting

Title: PD State diagram: inrush ([yseboodt 03 0916 pdinrushsd.pdf](#))

Presenter: Lennart Yseboodt, Philips Lighting

Title: DLL and Assigned Class ([yseboodt 05 0916 dllclasschange.pdf](#))

Presenter: Lennart Yseboodt, Philips Lighting

Title: Autoclass state diagram fix ([yseboodt 07 0916 autoclass.pdf](#))

Presenter: Lennart Yseboodt, Philips Lighting

Title: Fixing DLL and LLDP([schindler 02 0916.pdf](#))

Presenter: Fred Schindler, Seen Simply, Broadcom Ltd., Cisco, Texas Instruments

Comments related to the presentation were addressed.

Title: Dual-signature Type 3 and Type 4 PD DLL state machine ([darshan_13_0916.pdf](#))
Presenter: Yair Darshan, MicroSemi

Title: Remedy for comment no. 214 ([darshan_11_0916Rev002.pdf](#))
Presenter: Yair Darshan, MicroSemi

STRAW POLL: I agree with supporting the proposed concept of PSE and PD DLL using the same state machine to run separately on Mode A and Mode B per darshan_11_0916rev003

- Y: 13 N: 0

Title: Simplifying Equation 33-15 ([darshan_02_0916.pdf](#))
Presenter: Yair Darshan, MicroSemi

Title: Figure 33-18 ([darshan_08_0916.pdf](#))
Presenter: Yair Darshan, MicroSemi

Comments related to the presentation were addressed.

Title: Remedy for no. 210 Clause 33.6.3.4 ([darshan_12_0916.pdf](#))
Presenter: Yair Darshan, MicroSemi

Comments related to the presentation were addressed.

Morning break at 10:30AM.

The Task Force meeting resumed at 10:46AM.

Title: Remedy for comment no. 512 ([darshan_16_0916.pdf](#))
Presenter: Yair Darshan, MicroSemi

Title: Annex 33D - Derivation of Rload_max, Rload_min and Rsource_max, Rsource_min ([darshan_06_0916.pdf](#))
Presenter: Yair Darshan, MicroSemi

Comments related to the presentation were addressed.

Title: Instructions for changes to satisfy comment no27 ([bullock_01_0916.pdf](#))
Presenter: Chris Bullock, Cisco

Comments related to the presentation were addressed.

Title: Presentation for comment #492 (stover_03_0916-rchan.pdf)
Presenter: David Stover, Linear Technology

Comments related to the presentation were addressed.

Break for lunch at 12:00PM to resume at 1:15PM.

The Task Force meeting resumed at 1:15PM.

Title: Remedies for D2.0 comments ([yseboodt_09_0916_commentsd2p0.pdf](#))

Presenter: Lennart Yseboodt, Philips Lighting

Comments related to the presentation were addressed.

Break for lunch at 12:15PM to resume at 1:30PM.

The Task Force meeting resumed at 1:30PM.

Comment resolution continued.

Title: PD pair-to-pair current unbalance Specifications ([Bennett 01 0916.pdf](#))

Presenter: Ken Bennett, Sifos Technologies

Comment related to the presentation was addressed.

The Comment Editor moved to review the To-Do List.

Comment resolution concluded. (2:58PM)

The Chair moved to announcements including the proposed schedule for the D2.1 recirculation.

MOTION #7: Move that the IEEE P802.3bt 4PPoE Task Force accept the comment resolutions to D2.0 as detailed in

http://www.ieee802.org/3/bt/comments/802d3bt_D2p0_AllComments_FINAL.pdf from the September 2016 Task Force meeting and charter the editor to produce D2.1 for WG recirc and comment.

Mover: Dave Abramson Second: Lennart Yseboodt

Y: 13 N: 0 Y: 0

Motion Passes (Technical >75%)

Having completed the presentations and comment resolution business for the meeting, the Chair asked if there was any other business for the group.

No further motions of business were offered.

Adjournment

The Meeting was adjourned at 3:05 PM, Friday, September 16, 2016.

Appendix A: Attendees at IEEE P802.3bt Task Force Meeting, September 14-16, 2016

IEEE P802.3bt Task Force Attendance - Sept'16				9/14	9/15	9/16
Last Name	First Name	Employer	Affiliation	Wed	Thur	Fri
Abramson	David	Texas Instruments	Texas Instruments	X	X	X
Agnes	Andreas	ST Microelectronics	ST Microelectronics	X	X	X
Ahmed	Mohammad	TE Connectivity	TE Connectivity	X		
Bennett	Ken	Sifos Technologies	Sifos Technologies	X	X	X
Bullock	Chris	Cisco	Cisco	X	X	X
Carlson	Steve	High Speed Design	High Speed Design	X	X	
Chabot	Craig	UNH-IOL	UNH-IOL	X	X	
Darshan	Yair	Microsemi	Microsemi	X	X	X
DiMinico	Christopher	MC Communications	Panduit	X	X	
Feldman	Shahar	Microsemi	Microsemi	X	X	X
Frosch	Rick	PhiHong	PhiHong	X	X	X
Gardner	Andrew	LTC	LTC	X	X	X
Goldberg	Jonathan	IEEE-SA	IEEE-SA			X
Hess	Dave	Cord Data	Cord Data	X	X	
Hoglund	David	Johnson Controls	Johnson Controls	X	X	
Jones	Peter	Cisco	Cisco		X	
Jones	Chad	Cisco	Cisco	X	X	X
Law	David	Hewlett Packard Enterprise	Hewlett Packard Enterprise		X	X
Lewis	Jon	Dell EMC	Dell EMC	X	X	X
Maguire	Valerie	Siemon	Siemon	X	X	
Mowad	Brian	Cisco	Cisco	X	X	X
Panguluri	Sesha	Broadcom Ltd.	Broadcom Ltd.	X	X	
Paul	Michael	Linear Technologies	Linear Technologies	X	X	X
Picard	Jean	Texas Instruments	Texas Instruments	X	X	X
Schindler	Fred	Seen Simply	Broadcom Ltd., Cisco, Texas Instruments	X	X	X
Shariff	Masood	Commscope	Commscope		X	X
Sparrowhawk	Bryan	Leviton	Leviton			X
Stover	David	Linear Technologies	Linear Technologies	X	X	X
Thompson	Geoff	GraCaSI SA.	Independent	X		
Vaden	Sterling	Surtec, Ind.	Vaden Enterprises	X	X	X
Vanderlaan	Paul	Berk-Tek LLC	Berk-Tek LLC	X		
Voss	Bob	Panduit	Panduit	X	X	
Wendt	Matthias	Philips Lighting	Philips Lighting	X	X	X
Winkel	Ludwig	Siemens AG	Siemens AG			X
Yseboodt	Lennart	Philips Lighting	Philips Lighting	X	X	X
Zimmerman	George	CME Consulting	Commscope, Aquantia, LTC, CME Consulting		X	