Meeting Minutes: IEEE P802.3bt DTE Power via MDI over 4-Pair Task Force

May 22, 2017
New Orleans, LA, USA
Prepared by Andrea Agnes

The meeting of IEEE P802.3bt DTE Power via MDI over 4-Pair Task Force convened at 9:00 AM, Monday, May 22, 2017 by Chad Jones, P802.3bt Task Force Chair.

Monday, May 22, 2017

09:00 **802.3bt Task Force in session**
The Chair called for introductions and affiliations, the participants introduced themselves.
The Chair reviewed the agenda. The Chair turned to presentation
http://www.ieee802.org/3/bt/public/may17/agenda_0517.pdf
and *introduces* the meeting.

09:05 **Motion 1**:
Move to approve the agenda for the May 2017 IEEE P802.3bt Task Force meeting
Mover: Matthias Wendt
Seconder: Dylan Walker
Procedural, 50%
Passes by voice without opposition

09:08 **Motion 2**:
Move to approve the March 2017 minutes for IEEE P802.3bt
Mover: David Abramson
Seconder: Fred Schindler
Procedural, 50%
Passes by voice without opposition

09:09 The Chair made the call for potentially essential patents. None responded.
The Chair discussed the meeting needs for July 2017. Group needs 1.5 – 2 days, which means: M/T, T/W, W/Th will be fine. Only request is to not overlap 10SPE.
The Chair advised the group of the online attendance tool and the paper log book.

09:18 End of opening agenda slide deck.

Meeting was turned over to Task Force Comment Editor David Abramson and moved into comment resolution of comments against Draft 2.4:

310 total comments, 155 flagged for review in the room.

09:35 **Motion 3**:

Move to table comment 128

Mover: Geoff Thompson

Seconder: Lennart Yseboodt

Procedural, 50%

Failed by voice so votes were counted

Y: 12   N: 1   A: 3

Passes by majority vote

10:31 **Morning break**

10:46 **Back in session:** comment resolution resumes.

12:08 **Lunch break**

13:19 **Back in session**: comment resolution resumes.

During comment resolution, the Chair charters an LLDP Adhoc and appointed Yair Darshan as Adhoc Chair. The Adhoc agenda is to refine the LLDP sections as related to 4-pair power.

15:04 **Afternoon break**

15:23 **Back in session**: comment resolution resumes.

17:56 **Recess for the day:** 1 comment has been tabled and 54 comments have been closed. 100 comments remain open.

Tuesday, May 23, 2017

08:01 **802.3bt Task Force in session**

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

Meeting was turned over to Comment Editor David Abramson and moved into comment resolution of comments against Draft 2.4

09:25 The TF has 'touched' all comments. A total of 90 comments need to be closed. Meeting moved to presentations related to comment resolution.

09:36 **Presentation Title:** Accuracy/significance
Link: http://www.ieee802.org/3/bt/public/may17/yseboodt_06_0517_lldpmeasurements.pdf
Presenter: Lennart Yseboodt, Philips Lighting

10:06 Comments related to the presentation were addressed.

10:11 **Morning break**

10:31 **Back in session**

10:33 **Presentation Title:** Updates for unbalance requirements
Link: http://www.ieee802.org/3/bt/public/may17/darshan_12_0517.pdf
Presenter: Yair Darshan, Microsemi

11:32 Comments related to the presentation were addressed.

10:41 **Presentation Title:** pse_dll_ready_alt(X) and pd_dll_ready_mode(X)
Link: http://ieee802.org/3/bt/public/may17/darshan_01_0517.pdf
Presenter: Yair Darshan, Microsemi

12:06 **Lunch break**

13:15 **Back in session**

13:16 **Presentation Title:** Safety Standard References (D2.3 TDL - Comment 332)
Link: http://ieee802.org/3/bt/public/may17/Walker_1_0517_rev_4.pdf
Presenter: Dylan Walker, Cisco

13:40 **Presentation Title:** Comments on sub clause 145.4.1 of IEEE draft 802.3bt/D2.4
Link: http://ieee802.org/3/bt/public/may17/peker_01_0517.pdf
Presenter: Arkadiy Peker, Microsemi

14:11 Comments related to the presentations were addressed.

14:37 **Motion 4:**
Move to accept resolution to comment 77
Mover: David Law
Seconder: Matthias Wendt

Procedural, 50%

Passes by voice without opposition, 1 comment closed.

14:41   **Presentation Title:** TDL 370 D2.3 Table 145-17 AND Figure 145-22

Link: http://ieee802.org/3/bt/public/may17/darshan_09_0517.pdf

Presenter: Yair Darshan, Microsemi

14:52   Comments related to the presentation were addressed.

14:57   **Afternoon break**

15:18   **Back in Session**

15:19   **Presentation Title:** Updating VPSE, VPD, PI Definitions (TDL 228, 256)

Link: http://ieee802.org/3/bt/public/may17/stover_01_0517.pdf

Presenter: Dave Stover, Analog Device

15:42   Comments related to the presentation were addressed.

15:47   **Presentation Title:** PD transient specification

Link: http://ieee802.org/3/bt/public/may17/yseboodt_01_0517_transients.pdf

Presenter: Lennart Yseboodt, Philips Lighting

Discussion showed that the presentation needed updated and comments related to presentation were held open waiting for correction of yseboodt_01.

16:01   **Presentation Title:** TDL 129, 152 D2.3 Part B- Icon-2P_unb, Ipeak-2P_unb and ILIM-2P sync with Table 145-17 values at 1% tolerance

Link: http://ieee802.org/3/bt/public/may17/darshan_07_0517.pdf

Presenter: Yair Darshan, Microsemi

16:05   **Presentation Title:** TDL 129D2.3 Part A - Rounding Rload_min_max Table 145-17

Link: http://ieee802.org/3/bt/public/may17/darshan_08_0517.pdf

Presenter: Yair Darshan, Microsemi

16:24   Comments related to the presentations were addressed.

16:30   **Presentation Title:** Sync DTE/PoE Text Across All Clauses

Link: http://ieee802.org/3/bt/public/may17/tremblay_01_0517.pdf

Presenter: David Tremblay, HPE

16:44   Comment related to the presentation were addressed.

16:51   **Presentation Title:** Pclass calculation results vs spec numbers
           Link: http://ieee802.org/3/bt/public/may17/darshan_03_0517.pdf
           Presenter: Yair Darshan, Microsemi

17:00   **Presentation Title:** PD signature
           Link: http://ieee802.org/3/bt/public/may17/yseboodt_08_0517_rch.pdf
           Presenter: Lennart Yseboodt, Philips Lighting

17:14   Comments related to both presentations were addressed.

17:18   **Presentation Title:** Type Comparisons TDL 219
           Link: http://ieee802.org/3/bt/public/may17/stewart_01_0517.pdf
           Presenter: Heath Stewart, Analog Device

17:23   Comment related to the presentation was addressed.

17:36   **Motion 5:**
           Move to adopt stewart_01_0517.pdf OPTION 1
           Mover: Yair Darshan
           Seconder: Matthias Wendt
           Technical, 75%
           Y: 8   N: 4   A: 8
           Fails by votes.

17:41   **Presentation Title:** Updates for PD specifications 145.3.8.2, 145.3.8.4
           Link: http://ieee802.org/3/bt/public/may17/darshan_05_0517.pdf
           Presenter: Yair Darshan, Microsemi

17:56   Comment related to the presentation was addressed.

18:00   **Presentation Title:** PSE state machine issues
           Link: http://ieee802.org/3/bt/public/may17/darshan_06_0517.pdf
           Presenter: Yair Darshan, Microsemi

18:02   Comment related to the presentation was addressed.

18:05   **Recess for the day:** 68 comments have been closed. 32 comments remain open.

Wednesday, May 24, 2017

08:00   **802.3bt Task Force in session**

The Chair reviewed the timeline for draft generation and review for the next meeting and agreed upon.

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

Meeting continued with presentations related to comments.

08:07   **Presentation Title:** Text for PD signature

Link: http://ieee802.org/3/bt/public/may17/yseboodt_09_0517_signature.pdf

Presenter: Lennart Yseboodt, Philips Lighting

08:52   **Presentation Title:** pse_power_update_alt(X)

Link: http://www.ieee802.org/3/bt/public/may17/darshan_02_0517.pdf

Presenter: Yair Darshan, Microsemi

08:59   **Presentation Title:** TDL 115 D2.3 allowing 2 or 3 class fingers if pse available power = 4

Link: http://www.ieee802.org/3/bt/public/may17/darshan_10_0517_Final.pdf

Presenter: Yair Darshan, Microsemi

09:15   **Presentation Title:** TDL 253 D2.3 PSE classification dual-signature SM

Link: http://www.ieee802.org/3/bt/public/may17/darshan_11_0517.pdf

Presenter: Yair Darshan, Microsemi

09:22   **Presentation Title:** Definitions for Icon_PD-2P_unb and Ipeak_PD-2P_unb

Link: http://www.ieee802.org/3/bt/public/may17/darshan_04_0517.pdf

Presenter: Yair Darshan, Microsemi

09:55   **Presentation Title:** Annex Section 145A.3.2 (TDL 130/151)

Link: http://www.ieee802.org/3/bt/public/may17/Bennett_01_0517.pdf

Presenter: Yair Darshan, Microsemi

10:08   **Presentation Title:** ILIM and TLIM

Link: http://www.ieee802.org/3/bt/public/may17/yseboodt_05_0517_ilimtlim.pdf

Presenter: Lennart Yseboodt, Philips Lighting

10:10   **Presentation Title:** LLDP Power down delay

Link: http://www.ieee802.org/3/bt/public/may17/yseboodt_04_0517_powerdowndelay.pdf

Presenter: Lennart Yseboodt, Philips Lighting

10:19   **Morning break**

10:36   **Back in Session**

10:39 **Presentation Title:** PD nopower specification
Link: http://www.ieee802.org/3/bt/public/may17/yseboodt_02_0517_final.pdf
Presenter: Lennart Yseboodt, Philips Lighting

11:02 Comments related to the presentations were addressed.

11:09 Comment Editor continued into comment resolution of comments against Draft 2.4.

11:57 A total of 15 comments need to be closed.

11:58 **Lunch break**

13:15 **Back in session**

13:15 **Presentation Title:** Link Section Discussion
Link: http://www.ieee802.org/3/bt/public/may17/thompson_01_0517.pdf
Link: http://www.ieee802.org/3/bt/public/may17/thompson_02_0517.pdf
Presenter: Geoff Thompson, GraCaSI

13:47 Comment related to the presentation was addressed.

13:50 Comment Editor continued into comment resolution of comments against Draft 2.4.

14:49 **Presentation:** an updated yseboodt_01 is presented. Comments related to presentation are closed.

14:55 All 'TFTD' comments are addressed.

15:02 Comment Editor processed the remaining comments that had unanimous agreement with the proposed remedy. All comments have been processed.

15:03 **Afternoon break**

15:15 **Back in Session**

15:18 **Presentation Title:** Mark & Hold
Link: http://www.ieee802.org/3/bt/public/may17/lukacs_01_0517_Mark&Hold_rev1.0.pdf
Presenter: Miklos Lukacs, SILABS

15:44 **Motion 6**
Move that the IEEE P802.3bt 4PPoE Task Force accept the comment resolutions to D2p4 as detailed in 802d3bt_D2p4_FINAL_DraftOrder.pdf from the May 2017 Task Force meeting and charter the editor to produce D2p5 for WG recirc and comment

Mover: David Abramson
Seconder: Lennart Yseboodt
Procedural, 50%
Passes by voice without opposition

15:47 The Chair presents the liaison letter received from EA
The Chair presents the related draft response letter IEEE_802d3_to_EA_0517_draft.docx for discussion

15:49 Motion 7
Move that the Chair present IEEE_802d3_to_EA_0517_draft.doc to the WG
Mover: Dylan Walker
Seconder: Lennart Yseboodt
Procedural, 50%
Passes by voice without opposition

15:50 The Chair presents IEEE_802d3_to_ISOIEC_SC25_WG3_0517_draft.doc for discussion

16:06 Motion 8
Move that the Chair present IEEE_802d3_to_ISOIEC_SC25_WG3_0517_draft.doc to the WG
Mover: Matthias Wendt
Seconder: Chris Bullock
Procedural, 50%
Passes by voice without opposition

16:07 The Chair presents PAR extension information for discussion
Link: http://www.ieee802.org/3/bt/public/may17/PAR_extension.docx

16:15 Motion 9
Move that the Chair forward the PAR extension information to David Law and start the PAR extension process
Mover: Yair Darshan
Seconder: Lennart Yseboodt
Procedural, 50%
Passes by voice without opposition

16:16 The Chair shown the timeline for draft generation and review for the next meeting.

16:21 Motion 10
Move to apply the solution found in tremblay_01_0517.pdf to Clause 145
Move: Lennart Yseboodt

Sec: David Tremblay

Technical, 75%

Passes by voice without opposition

16:22   Having exhausted the agenda, the Chair *adjourned* the meeting.

4PPoE Task Force Attendance   May 2017   Initial to indicate attendance

Name	Employer	Affiliation	5/22	5/23	5/24	
CHAD JONES	CISCO	CISCO	CMJ	CMJ	CMJ	
David Abramson	TI	TI	DA	DA	DA	
Fred Schindler	Seen Simply	cisco	FS	FS	FS	
Sesha Panguluri	Broadcom	Broadcom	PST	PST	PST	
5 Yair Darshan	Microsemi	Microsemi	3	3	3	
Geoff Thompson	GraCaSI	Self	S	S	S	
Lennart Yseboodt	Philips LIGHTING	Philips LIGHTING	LY	LY	LY	
PETER JOHNSON	SIFOS	SIFOS				
David Tremblay	HPE	HPE	DT	DT	DT	
10 Andrea Agnes	ST Microelectronics	ST Microelectronics	AA	AA	AA	
Heath Stewart	Analog Devices	Analog Devices	HS	HS	HS	
DAVID STOVER	Analog Devices	" " "	DS	DS	DS	
ROB AEKINS	LEGRAND	LEGRAND	RA	RA		
Dylan Walker	Cisco	Cisco	DW	DW	DW	
15 Chris Bullock	Cisco	Cisco	CB	CB	CB	
Jeff Lapak	UNH-IOL	UNH-IOL	J.L.	J.L.	J.L.	
Jonathan Goldberg	IEEE	IEEE				
FRED DAWSON	CHEMOURS	CHEMOURS				
Miklos Lukacs	Silicon Labs	Silicon Labs	Lukas Miklos	Lukas Miklos	Lukas Miklos	
20 Victor Renteria	Bel Fuse	TRP Connectors	VR	VR		

- 1 -

Name	Employer	Affiliation	5/22	5/23	5/24	
DAVID LAW	HPE	HPE	DL	DL		
Matthias Wendt	Philips Lighting	Philips Lighting	MW	MW	/	
ARKADIY PEKER	Microsemi	Microsemi	A.P	A.P.		
MARCEL MEDINA	Spirent	Spirent	MM	MM	MM	
George Zimmerman	CME Consulting	LTC, Commscope, Aquantia, Cisco, ADI	Naz	Naz		
MASOOD SHARIFF	COMMSCOPE	COMMSCOPE	MS	MS	MS	
JON LEWIS	DELL EMC	DELL EMC	JL	JL	JL	
Tom Hebr	—	—	TH	/	TH	
Valeriemaguire	Siemon	Siemon	/	VM	VM	
PETER JOHNSON	SIFOS	SIFOS				
Tim Schmidl	Texas Instruments	Texas Instruments		TS		
Joel GOERGEN	CISCO	CISCO		JG		
Jonathan Goldberg	IEEE	IEEE				
David Estes	Spirent	Spirent		DE		
SHAHAR FELDMAN	MICROSEMI	MICROSEMI		SF.		
JOHN McDONOUGH	NEC	NEC		JM		
AMRIK BAINS	Cisco	Cisco		/		
Robert Grow	RMG Consulting	RMG Consulting		BG		
Farid Hamidy	Pulse	Pulse		/	FH	
			/	/		