

Meeting Minutes: IEEE P802.3bt DTE Power via MDI over 4-Pair Task Force
January 19-21, 2016
Atlanta, Georgia, USA
Prepared by Chris Bullock

Interim meeting of the IEEE P802.3bt DTE Power via MDI over 4-Pair Task Force meeting convened at 1:00 PM, Tuesday, January 19th, 2016 by Chad Jones, 802.3bt Task Force Chair.

Chris Bullock appointed acting recording secretary for the session.

Presentation: Meeting Agenda (agenda_0116.pdf)

Presenter: Chad Jones, Chair.

Motion #1: Approve the agenda for January 2016 Task Force meeting (agenda_0116.pdf)

M: Fred Schindler S: Phil Brownlee

Passes by voice without opposition (Procedural > 50%)

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

Motion #2: Approve the minutes from November 2015

M: Dave Abramson S: Dylan Walker

Passes by voice without opposition (Procedural > 50%)

At 1:12 PM, Mr. Jones asked if anyone was attending from the press including those who would run a public blog on this meeting. None responded.

Mr. Jones noted that there should be no recording or photography without permission.

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

Mr. Jones advised the group to track their attendance in the IMAT attendance tool.

Mr. Jones showed and read aloud Patent Policy slides #1 through #4 from agenda_0116.pdf.

At 1:16 PM, Mr. Jones made the call for potentially essential patents. None responded.

Mr. Jones completed review of the Meeting Agenda presentation.

At 1:22 PM, Mr. Jones moved on to Comment Resolution and Presentations:

Mr. David Abramson, the comment editor, proceeded with comment resolution.

Motion #3: Approve the responses of all Easy Bucket comments as found in the file 803d3bt_D1p5_EZ_DraftOrder.pdf, with the following exception of comments: 19, 31, 75, 95, 105, 124, 147, 150, 156, 173, 177, 207, 212.

M: David Abramson S: Yair Darshan

Y: 26 N: 0 A: 0

MOTION PASSES (Technical >= 75%)

Mr. Abramson asked for 2 minutes to clear out the Easy bucket, and initiated comment resolution, going through the comments in Draft order. During the course of comment resolution, comments relating to presentations were postponed until after a first pass of the comments.

BREAK AT 3:02 PM, RECONVENED AT 3:21 PM.

Mr. Abramson resumed comment resolution.

At 5:53 PM Mr. Jones asked the group if there was objection to breaking for lunch at 11:30 on 1/20/2016, back in session at 1pm to allow the Task Force staff to meet with the IEEE editorial staff. There was no objection.

Mr. Jones asked if there were objections to reconvening tomorrow at 8:30 AM. There were no objections.

92 comments remain open, 37 comments are associated with presentations. This leaves 55 comments left to review prior to starting presentations.

Mr. Jones discussed changing future comment cycles such that comment cycles would close a week earlier, and all comments in the comment response would be considered to be in the Easy bucket. It would be up to the group to review the comments beforehand and to pull comments out of the Easy bucket. Mr. Abramson noted that comments marked TFTD (Task Force to Decide) would be automatically pulled from the Easy bucket. Mr. Jones asked the group to think about changing to this new approach to the comment cycle.

RECESSED FOR THE DAY AT 5:56 PM.

DAY 2: WEDNESDAY JANUARY 20

The Chair reconvened the Task Force at 8:30AM, Wednesday, January 20.

Mr. Abramson resumed comment resolution

BREAK AT 10:05 AM, RECONVENED AT 10:21 AM.

Mr. Abramson resumed comment resolution.

RECESSED FOR LUNCH AT 11:33 AM, RECONVENED AT 1:00 PM.

Mr. Abramson resumed comment resolution.

At 1:03 PM, all of the non-presentation-related comments had been resolved, and discussion proceeded

to presentations related to comments.

Presentation: (1:05 PM - 1:20 PM)

Title: Baseline for Figure 33-14 and surrounding text (yseboodt_2_0116_v421.pdf)

Presenter: Lennart Yseboodt, Philips

Discussion: centered around dual-signature, single load current imbalance, and how to test it.

At 1:37 PM, comment resolution resumed on comments related to this presentation. See database for comments tagged with "Pres: Yseboodt2".

--- Based on the resolution of the comments associated with "Yseboodt2" , the following presentation was NOT presented:

Title: Updating 33.2.6 and 33.2.7.4 in D1.5 (darshan_12_0116.pdf)

Author: Yair Darshan, Microsemi

At 1:48 PM, moved on to State Diagram presentations.

Presentation: (1:50 PM - 1:53 PM)

Title: PSE Classification State Diagram Update Summary (Picard_01_0116.pdf)

Presenter: Jean Picard, TI

Presentation: (1:53 PM - 1:55 PM)

Title: Figure 33-10d pg 1 (PSE Class state diagram with SS PD, Picard_02_0116.pdf)

Presenter: Jean Picard, TI

Presentation: (1:55 PM - 1:56 PM)

Title: Figure 33-10d pg 2 (PSE Class state diagram with DS Sec PD, Picard_03_0116.pdf)

Presenter: Jean Picard, TI

Presentation: (1:56 PM - 1:56 PM)

Title: Figure 33-10d pg 3 (PSE Class state diagram with DS Sec PD, Picard_04_0116.pdf)

Presenter: Jean Picard, TI

Presentation: (1:56 PM - 1:57 PM)

Title: PSE Classification State Diagram Update variables (Picard_05_0116.pdf)

Presenter: Jean Picard, TI

At 2:00PM, comment resolution resumed on comments related to the above 5 presentations. See database for comments tagged with "Pres: Picard1" and "Pres: Picard5"

At 2:42 PM, Mr. Abramson showed an update to table 33-3a (yseboodt_10_0116_Table _33_3a.pdf).

Table adopted by comment.

Mr. Jones polled the room for attendance to the next IEEE meeting in Macau

Definitely Yes: 13 Definitely No: 5 Maybe: 7

Presentation: (2:47 PM - 2:55 PM)

Title: Baseline for MPS state machine (Yseboodt_09_0116.pdf)

Presenter: Lennart Yseboodt, Philips

At 2:59 PM, comment resolution resumed with comments related to the presentation. See database for comments tagged with "Pres: Yseboodt9".

BREAK AT 3:01 PM RECONVENED 3:18 PM

Presentation: (3:19 PM - 3:31 PM)

Title: Deadlock in Alt State Machines (Stover_01_0116.pdf)

Presenter: David Stover, LTC

At 3:32 PM, the group agreed to postpone resolution of the comment related to the presentation. See database for comment tagged with "Pres: Stover1"

Presentation: (3:35 PM - 3:40 PM)

Title: Updating Type 3 and Type 4 linrush and Cport baseline (Darshan_02_0116_rev 011j.pdf)

Presenter: Yair Darshan, Microsemi

At 3:47 PM, comment resolution resumed with comments related to the presentation. See database for comments tagged with "Pres: Darshan2"

Presentation: (3:50 PM - 3:51 PM)

Title: Table 33-7b (Yseboodt_03_0116_Table_33_7b_v100.pdf)

Presenter: David Abramson for Lennart Yseboodt

At 3:52 PM, comment resolution resumed with comments related to the presentation. See database for comments tagged with "Pres: Yseboodt3"

Presentation: (3:55 PM - 4:10 PM)

Title: DC MPS (hstewart_01_0116_DC_MPS_Template_v3.pdf)

Presenter: Heath Stewart, LTC

At 4:10 PM, comment resolution resumed with comments related to the presentation. See database for comments tagged with "Pres: Stewart1"

Presentation: (4:14 PM - 4:18 PM)

Title: Figure 33-13 (darshan_04_0116.pdf)

Presenter: Yair Darshan, Microsemi

At 4:18 PM, comment resolution resumed with comments related to the presentation. See database for comments tagged with "Pres: Darshan4"

Presentation: (4:21 PM - 4:23 PM)

Title: Revised Figure 33-13 (darshan_03_0116.pdf)

Presenter: Yair Darshan, Microsemi

At 4:24 PM, comment resolution resumed with comments related to the presentation. See database for comments tagged with "Pres: Darshan3"

Presentation: (4:26 PM - 4:28 PM)

Title: Revised Figure 33b3 (yseboodt_1_0116_fig33b3_v100.pdf)

Presenter: David Abramson for Lennart Yseboodt

At 4:28 PM, comment resolution resumed with comments related to the presentation. See database for comments tagged with "Pres: Yseboodt1"

Presentation: (4:35 PM - 4:36 PM)

Title: Baseline for Autoclass in the PD state machines (pages 1 and 2 of yseboodt_5_0116_Autoclass_PD_v111.pdf)

Presenter: Lennart Yseboodt, Philips

Presentation: (4:37 PM - 4:42 PM)

Title: Baseline for Autoclass in the PSE state machines (pages 3 and 4 of yseboodt_4_0116_Autoclass_PSE_v111.pdf)

Presenter: Lennart Yseboodt, Philips

Discussion around missing logic in the PSE state machine. Will wait for update to presentation to resolve comments associated with "Pres: Yseboodt 4"

At 4:44 PM, comment resolution resumed with comments related to the presentations. See database for comments tagged with "Pres: Yseboodt5"

Presentation: (4:47 PM - 4:47 PM)

Title: Revised Figure 33b4 (yseboodt_6_0116_fig33b4_v100.pdf)

Presenter: David Abramson for Lennart Yseboodt

At 4:47 PM, comment resolution resumed with comments related to the presentation. See database for comments tagged with "Pres: Yseboodt6"

Presentation: (4:49 PM - 4:59 PM)

Title: PD State Machine stuck in IDLE (yseboodt_7_0116_idlestuck.pdf)

Presenter: Lennart Yseboodt, Philips

Discussion regarding the subject in the above presentation requires a maintenance request to update.

At 5:02, resumed comment resolution with comments 63 and 68.

Presentation: (5:15 PM - 5:29 PM)

Title: Table 33-11 item 4a clas 0-4 (darshan_07_0116_rev 002.pdf)

Presenter: Yair Darshan, Microsemi

At 5:30 PM, comment resolution resumed with comments related to the presentation. See database for comments tagged with "Pres: Darshan7"

17 comments remain open.

Mr. Thompson announced the availability of a tutorial on YANG.

THE MEETING RECESSED FOR THE DAY AT 5:32 PM.

DAY 3: THURSDAY JANUARY 21

The Chair reconvened the Task Force at 8:00AM, Thursday, January 21

Presentation: (8:01 AM - 8:16 AM)

Title: PAR Change for P802.3bt (PAR_change_8023bt.pdf)

Presenter: Chad Jones, Chair

Mr. Jones requests to discuss the PAR change presentation with Mr. David Law prior to calling for a vote.

Presentation: (8:18 AM - 8:30 AM)

Title: Table 33-11 item 9, ILIM-2P (darshan_10_0116.pdf)

Presenter: Yair Darshan, Microsemi

Discussions on this presentation centered around ILIM table values.

Presentation: (8:39 AM - 9:01 AM)

Title: Updating 33.3.7.10 per D1.5 requirements (darshan_01_0116_rev 007.pdf)

Presenter: Yair Darshan, Microsemi

At 9:01 AM, the Chair returned to discussions on the PAR changes.

At 9:05 AM, Mr. Law opened the PAR modification tool, and entered the requested PAR modifications.

The tool then generated the PAR modification file (P802_3bt_PAR_Jan_21_16.pdf).

At 9:22 AM, the PAR modification file (P802_3bt_PAR_Jan_21_16.pdf) was shown to the Task Force by Mr. Jones, the Task Force Chair.

Motion #4: Move that the IEEE P802.3bt DTE Power via MDI over 4-pair Task Force adopt the PAR modification request P802_3bt_PAR_Jan_21_16.pdf.

M: Steven Carlson S: Lennart Yseboodt

Y: 24 N: 0 A: 1

MOTION PASSES (Technical >= 75%)

At 9:25 AM, comment resolution resumed with comments related to the presentation. See database for comments tagged with "Pres: Darshan1" and "Pres: Darshan10"

Presentation: (9:36 AM - 9:47 AM)

Title: Updates for 33.2.7.4.1 and Annex B (darshan_09_0116.pdf)

Presenter: Yair Darshan, Microsemi

Presentation: (9:51 AM - 9:59 AM)

Title: Using active or passive current balancer (darshan_06_0116.pdf)

Presenter: Yair Darshan, Microsemi

At 9:59 AM, comment resolution resumed with comments related to the presentation. See database for comments tagged with "Pres: Darshan9" and "Pres: Darshan6"

Mr. Abramson went over the remaining 9 open comments, and was able to close comment 170 and 171

BREAK AT 10:17 AM RECONVENED 10:36 AM

Presented an updated version of the following presentation.

Presentation: (10:39 AM - 10:44 AM)

Title: Baseline for Autoclass in the PSE state machines (pages 3 and 4 of yseboodt_4_0116_Autoclass_PSE_v130.pdf)

Presenter: Lennart Yseboodt, Philips

At 10:45 AM, comment resolution resumed with comments related to the presentation. See database for comments tagged with "Pres: Yseboodt4"

At 1045 AM, 5 comments remain open. Mr. Abramson continued with comment resolution of comments 108, 111, 46, and 18.

The Chair informs the Task Force that we will adopt the new comment process of all comments with proposed remedy other than TFTD are in the Easy bucket, and must be requested to be pulled from the bucket by a reviewer. The Chair outlined the following proposed schedule for the meeting in Macau.

Open comment cycle on Wednesday Feb. 10th

Close comment cycle by March 1st

Comments to be posted by March 4th

TF to provide comments to be pulled from Easy bucket by March 11th

At 11:00 AM:

Motion #5: Motion to reopen comment 200

M: Fred Schindler S: Lennart Yseboodt

Passes by voice without opposition (Procedural > 50%)

At 11:03, comment 200 re-opened.

Much discussion about different Klingon dialects not understanding each other.

At 11:16, comment 200 resolved with updated resolution.

Presentation: (11:18 AM - 11:25 AM)

Title: PD Standardization (hstewart_02_0116_PD_Standardization_v4.pdf)

Presenter: Heath Stewart, LTC

BREAK FOR LUNCH AT 11:41 PM, AND RESUMED AT 1:06 PM.

At 1:07 PM, Yair Darshan agreed to wait until Macau to present "MPS detection when MPS per pairset is not synchronized" (darshan_11_0116.pdf), and comment editor resolved comment 47.

At 1:10 PM.

Motion #6: Motion to reopen comment 87

M: Lennart Yseboodt S: Yair Darshan

Passes by voice without opposition (Procedural > 50%)

At 1:11 PM comment #87 is reopened, and subsequently resolved with an updated resolution.

At 1:17 PM, comment resolution is complete.

Mr. Abramson discussed comment 126. Heath Stewart formally withdraws the comment.

At 1:19 PM:

Motion #7: Move to adopt comment resolutions in the comment database and charter the editor to create D1.6 by incorporating the comments for review by February 10, 2016.

M: David Abramson S: Lennart Yseboodt

Y:23 N:0 A:0

MOTION PASSES (Technical >= 75%)

At 1:20 PM:

Motion #8: Move that the Chair holds a comment cycle on D1.6 starting no later than February 11, 2016 and ending March 1, 2016 11:59PM AOE, with resolutions posted by March 4, 2016

M: David Abramson S: Matthias Wendt

Y:24 N:0 A:0

MOTION PASSES (Technical >= 75%)

LIAISON:

ISO/IEC JTC1 SC25 to IEEE 802.3 on cable heating

The Chair presented the liaison, and discussed the Task Force response to the Liaison.

The Chair asked for discussion on the Liaison reply, and there was none.

At 1:52 PM, the Chair announced a tentative schedule for the next meeting in Macau.

Presentation: (2:52 PM - 3:25 PM)

Title: Conductor Ampacity 4-pair Communications Cables (diminico_1_1115.pdf)

Presenter: Chris DiMinico, MC Communications/Panduit

Lennart requested to see the results of the NEC/NFPA ballots

BREAK AT 3:37 PM RECONVENED 3:50 PM

LIAISON:

ISO/IEC JTC1 SC25 to IEEE 802.3 on cable heating

The Chair presented the updated liaison. The updates were to change the liaison responder to "David Law, Chair 802.3" instead of "Chad Jones, Chair 802.3bt"

The Chair asked for discussion on the Liaison reply, and there was none.

At 3:51

Motion #9: Move to direct the Chair to present liaison from 802.3 to SC25 to WG

M: Dan Dove S: Dylan Walker

Y:21 N:0 A:0

MOTION PASSES (Technical >= 75%)

CLOSING BUSINESS

Having completed the presentations and comment resolution business for the meeting.

No further motions of business were offered.

ADJOURNMENT

Motion to adjourn the meeting.

M: Yair Darshan

MOTION PASSES by voice without opposition

The Meeting was adjourned at 3:53 PM, Thursday, January 21, 2016.

Jan '16

Name	Employer	Affiliation	1/19	1/20	1/21	1/22
Chad Jones	CISCO	CISCO	cmj	cmj	cmj	
David Abramson	TI	TI	Da	Da	Da	
David Tremblay	HPE	HPE	DT	DT	DT	
Matthias Wendt	Philips	Philips	MW	MW	MW	
⁵ LEONART YSKOPOV	PHILIPS	PHILIPS	L	L	L	
Fred Schindler	Seen Simply	Broadcom, Cisco TI	FS	FS	FS	
SESHA PANGULURI	BROADCOM	BROADCOM	PS	PS	PS	
CHRISTIAN BEIA	STMicroelectronics	STMicroelectronics	CB	CB	CB	
YAKOV BELOPOLSKY	BEL STEWART YAKOV BELOPOLSKY	BEL STEWART BELF.COM	YB	/	/	
¹⁰ Darshan Yair	MSCC	MSCC	D	D	D	
Paul Vanderloo	Berk-Tek LLC	Berk-Tek LLC	PZ	/	/	
Victor Renteria	Bel/TRP connectors		VR	/	/	
Brian Buckmeier	Bel/TRP connectors		BS	BS	BS	
DAVID STOVER	LTC	LTC	DMS	DMS	DMS	
¹⁵ JEAN PICARD	TI	TI	JP	JP	JP	
Phil Browlee	TOK	TOK	PB	PB	PB	+ was here
Fred Danson	CHEMOURS	CHEMOURS	FD	FD		
Dennis Kountz	Chemours	Chemours	DK	DK		
Heath Stewart	LTC	LTC	HS	HS	HS	
²⁰ JON LEWIS	DELL	DELL	AL	/	/	

Jan '16

Name	Employer	Affiliation	1/19	1/20	1/21	1/22
MASOOD SHARIF	COMNSCOPE	COMNSCOPE	MS	MS		
Richard Mei	ComanScope	CommScope	RM	/		
Bob Wagner	Panduit	Panduit	RRW	/		
Beyan Moffitt	Commscope	Commscope	BSM	/		
5 DAVE WESS	Cord Data	Cord Data	DW	/		
Rick Frosch	PHillong	PHillong	RF	RF	RF	
SHAHAN FELDMAN	MICROSEMI	MICROSEMI	SF	SF	SF	
Chris Bullock	Cisco	Cisco	CB	CB	CB	
Dylan Walker	Cisco	Cisco	DW	DW	DW	
10 Jeff Lapak	UNH-IOL	UNH-IOL	SL	/		
Niklos Lukacs	Silicon Labs	Silicon Labs	Luk's Silicon	Luk's Silicon	Luk's Silicon	
GAOLING Zou	MAXIM	MAXIM	G.Z	G.Z	G.Z	
PETER JOHNSON	SIFOS	SIFOS	PJ	PJ	PJ	
XXXXXX	XXXXXX	XXXXXX	X	X	X	X
15 Geoff Thompson	GRACASI SA	Ind		S		
Craig Chabot	UNH-IOL	UNH-IOL		CC	CC	
Andy Gardner	LTC	LTC		AG	AG	
HABIBZ WAMU	Huawei	Huawei		H		
Don Don	INS/LTC	LTC		✓	✓	
				/		

Jan '16

4PPoE Task Force Attendance

Initial to indicate attendance

Name	Employer	Affiliation	1/19	1/20	1/21	1/22
STEVE CARLSON	HSD	HSD	/	/	SC	
5						
10						
15						
20			/	/		