

IEEE802.3bt off cycle interim Manchester, New Hampshire, hosted by TI

June 16-18, 2015 Meeting Minutes

Matthias Wendt

**Tuesday, June 16, 2015**

802.3bt task force in session at 8:25 AM (meeting room G1-F1A at TI office).

- Secretary: Matthias Wendt & Lennart Yseboodt

**1. Motion 1:** Move to accept minutes from May 2015, as posted in minutes\_0515.pdf.

Mover: Lennart Yseboodt

Seconder: Yair Darshan

Procedural, 50%

Passes by voice without opposition.

- Cover ground rules, IEEE Patent Policy
- Call for potentially essential patents; no reply.
- Agenda discussed and accepted with no opposition
- 08:45 Start with reviewing comments of the Draft 1.0, filed May 29, 2015
- Comments 8, 13, 41, 49, 50, 68, 109, 111 140, 142, 143, 149, 152, 158, 159, 165, 190, 191, 192, 201, 202, 267, 277, 293, 314, 335, 336, 340, 359, 368, 372, 377, 380 have been requested to be taken out of the EZ bucket.

**2. Motion 2:** Motion to approve the responses for the EZ Bucket comments as found in the file

[8023bt\\_D10\\_EZcomments\\_CommentID.pdf](#) with the exception of comments: 8, 13, 41, 49, 50, 68, 109, 111 140, 142, 143, 149, 152, 158, 159, 165, 190, 191, 192, 201, 202, 267, 277, 293, 314, 335, 336, 340, 359, 368, 372, 377, 380.

Mover: Dave Abramson

Seconder: Matthias Wendt

Technical, 75%

Y: 19, N: 0, A:6

- We start with resolving all the comments that have been extracted from EZ bucket as listed above.

10:23 Session recess

10:40 Session resumes.

- Start with reviewing non-EZ comments for 802.3btD1.0 as found in [8023bt\\_D10\\_NonEZcomments\\_CommentID.pdf](#). this is generally done in sequence of the Draft and skipping clusters of contentious comments to be done after the first run.

12:00 Session recess

13:31 Session resumes

- Continued with comment resolution of Draft 1.0

15:48 Session recess

16:02 Session resumes

- Continued with comment resolution of Draft 1.0
- **Straw poll 1** (related to comment #185)  
 “I support amending the PAR to allow 2 pair Type 3 systems.”  
 Y: 19  
 N: 0
- **Straw poll 2** (again related to comment #185)  
 “I support amending the PAR to extend new capabilities to 2 pair systems.”  
 Y: 0  
 N: 10

Session recessed at 17:35 – started the day with 188 comments left open after accepting the EZ bucket (minus the removals). Ended the day with 122 comments left. 66 comments resolved on Tuesday.

### Wednesday, June 17, 2015

802.3bt task force in session at 8:15 AM (meeting room G1-F1A at TI office).

- Continued with comment resolution of Draft 1.0

10:25 Session recess

10:45 Session resumes.

- Continued with comment resolution of Draft 1.0

12:08 Session recess (#118 will be next)

13:40 Session resumes

- Continued with comment resolution of Draft 1.0
- After the first run through the comments (skipping 4pair-ID, inrush, capacitor sizes and some more which will be covered by presentations) 77 comments are left open.
- Start with “inrush” and “Cport” comments (328, 364, 334, 365, 114, 108, 130, 1)
- 14:20 **Presentation:** [Updated Table 3-18: Item 9 Cport-2P minimum value](#); Yair Darshan (darshan\_08\_0615.pdf)
- As no commonly agreed remedy can be found Inrush related comments #1, #346 and #334 are kept open for July meeting. Yair to present on the topic. These comments will be published in a ‘Held Over’ PDF on the comment site.
- Continue with “PD/PSE Power” comments (303, 348) and “Table 33-18” comments (271, 114,

369)

- Comment #271 kept open for July meeting. Dave D. to present on the topic 180 $\mu$ F. (also in Held Over PDF).

67 comments left. 55 comments resolved Wednesday.

Session recessed at 17:34

#### Thursday, June 18, 2015

802.3bt task force in session at 8:15 AM (meeting room at TI office).

- Resolving remaining comments of the Draft 1.0
- Comment #99 will be on hold for July. Lennart to present about classes for Type 4.
- 09:00 **Presentation:** [Derivation of PSE and PD PI Rmax, Rmin in order to meet system worst case End to End Pair To pair effective resistance unbalance](#); Yair Darshan, Ken Bennett (darshan\_01\_0615.pdf) related to #360 and proposing new baseline text for 33.3.7.10

Continue with connection check topics

- 09:15 **Presentation:** [Assessing Connection Check Outcome](#); Peter Johnson (johnson\_1\_0615\_rev1.pdf)
- 09:30 **Presentation:** [Connection Check: Timing Requirements Baseline Text](#); David Abramson (abramson\_01bt\_0615.pdf) proposing new baseline text for 33.3.5.0a, 33.2.7.12 and 33.2.4.1.
- 09:54 **Presentation:** [Autoclass power margin](#); Lennart Yseboodt, Dave van Goor (yseboodt\_1\_0615\_v101.pdf) followed with a proposal for new baseline text: [Autoclass Baseline Text](#); Lennart Yseboodt (yseboodt\_1\_0615\_Autoclass\_margin\_baseline\_v110.pdf) for subclauses 33.2.6 and 33.3.5.3.

10:22 Session Recess

10:41 Session Resumes.

- 10:45 **Presentation:** [Addendum Telecommunication Service Ballot TSB—184 Guidelines for Supporting Power Delivery Over Balanced Twisted-Pair Cabling](#); Chris DiMinico (diminico\_01\_0615.pdf). He also shared some information from TR42.7-2015-04-058-CableStudy.pdf
- 11:05 **Presentation:** [Updated Table 3-11](#); Yair Darshan (Darshan\_07\_0615.pdf) related #337.
- 11:25 **Presentation:** [Derivation of ILIM-2P and TLIM for Type 3 and Type 4 PSEs](#); Yair Darshan (Darshan\_06\_0615.pdf) related #339, #296 and #297 proposing baseline text for chapter 33.2.7. Comment #339 gets accepted without opposition.
- Proceeded with resolving remaining open comments of the Draft 1.0
- Comment #313 gets accepted in principle but waits for a presentation with regard to new figure 33-14a by Yair in July.

12:00 Session recess

13:30 Session resumes

- 13:30 **Presentation:** [Analysis and baseline proposal for Dual Signature PD Classification Requirements](#); Yair Darshan (darshan\_05\_0615.pdf) including baseline for chapters 33.2.6 and 33.3.5.2 related to comment #329.
- 14:10 **Presentation:** [Outstanding Issues](#); Dave Dwelley (Outstanding Issues.pdf)
- 14:30 **Presentation:** [AC MPS Modifications for Type 3 and 4](#); Yair Darshan (darshan\_03\_0515.pdf) proposing baseline text for 33.2.9.1.1
- 15:00 Proceeded with reviewing remaining (48) comments of the Draft 1.0 starting with “4 Pair ID” #251, #261, #246, #229, #252

15:15 Session recess

15:27 Session resumes

### Straw poll 3

I support the following principle for resolving conflicts when specifying IEEE 802.3bt requirements. It is unacceptable to make a compliant PD noncompliant.

Y 20

N 0

### Straw poll 4

I support the following principle for resolving conflicts when specifying IEEE 802.3bt requirements. New PSE Types shall power all compliant PD configurations that Type 1 and Type 2 PSEs power.

Y 13

N 4

17:04 1 comment left

17:05 Presentation “Update State Diagram” Dan Dove

Link: [http://www.ieee802.org/3/bt/public/jun15/dove\\_01\\_0615a.pdf](http://www.ieee802.org/3/bt/public/jun15/dove_01_0615a.pdf)

17:27 Motions

### Motion 3

Move to accept Autoclass\_margin\_baseline\_v120.pdf as baseline text for IEEE P802.3bt D1.1

Mover: Lennart Yseboodt

Secunder: Yair Darshan

Y 13

N 0

A 6

75% Technical, motion passes

### Motion 4

Move to accept pages 11-13 of abramson\_01bt\_0615.pdf as baseline text for IEEE P802.3bt D1.1

Move: David Abramson

Second: Christian Beia

Y 14

N 0

A 6

75% Technical, motion passes

17:30 Final comment #220

5 comments transferred for July #99, #1, #346, #271 and #334.

**Motion 5**

Move to direct editor to incorporate comments from D1.0 comment database and generate D1.1 for posting no later than 6/29/15.

Move: David Abramson

Second: Lennart Yseboodt

Y 14

N 0

A 5

**Motion 6**

Motion to direct chair to run a comment cycle on D1.1 opening on 6/29/15 and closing 7/6/15.

Mover: Dan Dove

Second: Lennart Yseboodt

Y 15

N 0

A 4

**Catania meeting**

20 rooms blocked for Catania. August 7 is cutoff date.

Rate 100 euro/night

Meeting fee 210 euro, collected by the hotel per person.

Cancellation policy no charge until 2 days before and 1 night for no show.

Chair thanks TI for hosting the meeting.

**Motion** to adjourn

**Move:** Dave Abramson

Passes by voice with no opposition.

Session Ends 17:44 – started the day with 67 comments, finished with 9 ‘not closed’. 55 comments resolved Thursday.

There are 5 comments that are held over for D1.1 – 1, 99, 271, 334, 346. Additionally, there are two still held over from D0.4 that were originally maintenance comments (D0.4 #139, 142).

Also, there are four comments unresolved as we ran over time discussing them. The group agreed that they would be resubmitted by their authors – 245, 269, 270, 365.

These files are out on the comment site:

[http://www.ieee802.org/3/bt/comments/8023bt\\_D10\\_HOLD\\_CommentID.pdf](http://www.ieee802.org/3/bt/comments/8023bt_D10_HOLD_CommentID.pdf)

And:

[http://www.ieee802.org/3/bt/comments/8023bt\\_D10\\_OOT\\_CommentID.pdf](http://www.ieee802.org/3/bt/comments/8023bt_D10_OOT_CommentID.pdf)

Name	Employer	Affiliation	6/16	6/17	6/18
Chad Jones	CISCO	COSCO	CmJ	CmJ	CmJ
David Abramson	TI	TI	Da	Da	Da
Fred Schindler	Seen Simply	Broadcom, TI Cisco	FS	FS	FS
SHAHAR FELDMAN	MICROSEMI	MICROSEMI	S.F.	S.F.	S.F.
5 CHRISTIAN BEIA	STMicroelectronics	STMicroelectronics	B	B	B
Yair Darshan	Microsemi	Microsemi	Y	Y	Y
Matthias Wendt	Philips	Philips	MW	MW	MW
LEENAAT XSEBOORT	PHILIPS	PHILIPS	L	L	L
Greg Zimmern	CME Consulting	LTC, Commscope Aquantix	GZ	GZ	GZ
10 Ken Bennett	Sifos	Sifos	KB	KB	KB
John Skinner	Sifos	Sifos	JS	JS	JS
PETER JOHNSON	SIFOS	SIFOS	PJ	PJ	PJ
SESHA PANGULURI	BROADCOM	BROADCOM	PS	PS	PS
FRED DANSON	DePONT/CHENOURS	DePONT/CHENOURS	FD	FD	FD
15 DAVE DWELLEN	LTC	LTC	DWD	DWD	DWD
Rick Frosch	PHitoy	PHitoy	RF	RF	RF
Dan Dove	DNS	LinearTech	DD	DD	DD
Peter Scruton	UNH-IOL	UNH-IOL	PS	PS	PS
Taylor Madore	UNH-IOL	UNH-IOL	TM	TM	TM
20 Wyman Smith	UNH-IOL	UNH-IOL	WS	WS	WS

Name	Employer	Affiliation	6/16	6/17	6/18
Craig Chebot	UNH-IOL	UNH-IOL	CC	/	CC
Thomas Lewis	TI	TI	TL	TL	TL
Matt Murdock	TI	TI	MM	MM	MM
Norm Palmer	Microsemi	Microsemi	NP	NP	NP
5 Tony Palmieri	Microsemi	Microsemi	AP	AP	AP
JEAN PICARD	TI	TI	JP	JP	JP
Chris Bullock	CISCO	CISCO	CB	CB	CB
Dylan Walker	Cisco	CISCO	DW	DW	DW
<del>George Zimmerman</del>	<del>CME Consulting</del>	<del>LTC, Commscope Agents</del>	/	/	/
10 David Lucia	Sifos Technologies	Sifos	/	DL	/
CHRIS DIMINICO	MC COMM	MC COMM/PANDUIT	/	/	C.D.
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