IEEE 802.3bt
July 2015 Plenary Meeting Minutes
Len Stencel

Tuesday July 14

Team Convened at 8:05 AM

Table Items

- Covered Agenda
- Chair went through introductions
- Agenda Approved by voice vote
- Approve June 2015 Minutes – approved by voice vote, no opposition
- Call for anyone recording the meeting-none
- Chair reviewed goals
- Chair reviewed ground rules and guidelines
- Chair read patent policy and made call for patents
- Reviewed Standards Process – working towards Draft 1.2
- Liaisons and Communication – Presented TIA Liason letter from TIA (7%, 0.1 Ohm)
- 20 presentations were submitted – those related to comments will be addressed first.

Motion 1
Motion to approve agenda for July 2015 Task Force meeting

Mover: Lennart Yseboodt
Seconder: Fred Dawson

Procedural, 50%
Passes by voice without opposition

Motion 2
Motion to approve minutes from June 2015

Mover: Matthias Wendy
Seconder: Dave Abramson

Procedural, 50%
Passes by voice without opposition

Review comments

EZ Bucket: Motion 3 - Approve EZ bucket Comments
Comments Pulled from the EZ Bucket: 22,24,29,70,161,73,74,86,103,130,168,187,211,265,204.

Motion 3
Motion to approve the responses for the EZ Bucket comments as found in the file
IEEE802p3bt_D1p1_EZcomments_CommentID.pdf with the exception of comments: 22, 24, 29, 70, 73, 74, 86, 103, 130, 161, 168, 187, 204, 211, 265

Mover: Dave Abramson
Seconder: Yair Darshan

Technical, 75%
Y: 21 N: 0 A: 2

NonEZ Bucket (153 comments left post EZ bucket): 197 (see straw poll below),128,4,247,200,199,127

Straw Poll 1 – Are you willing to remove -2P from the af/at parameters that Dave D. shows make no technical changes when removed?   10/2 (Y/N)

 Quote of the Morning (concerning comment #127): "What will happen in the end is…. what will happen in the end" – Yair

Break start: 10:10am
Resume: 10:32am

NonEZ Bucket (continued):
126(248,160),69,249,201,172(250),251,202,248,255,174,71,133,256,15,72,57,175,7,141,257,163,94,

Break for Lunch: 12:03pm
Resume: 1:10pm

NonEZ Bucket (continued): 258,39,40,165,142,260,8,190,206,208,178,209,41,76,210,179,3,262,221,223, 222,181,43,88,98,89,33,224,109(227,182,62),225,226,97,238,

Break Start: 3:00pm
Resume: 3:25pm

NonEZ Bucket (continued): 238 (con't), 263,264,228,99,77(defer til tomorrow),
6,113,183,229(119,196),244(84,230),230,84,85(77),77,231,114,116,140,104,108,136,233,240,235,242(89),145(189,5)245,156,272(156),90(156),117,241(213),213,215,191,92(147),147,219,220,132,

66 comments remain open after day one, 33 of which have yet to be reviewed
ADJOURN: 5:35PM

Wednesday July 15th

Start: 8:05am

NonEZ Bucket (continued): 93,106,137,102,139,134,216,236,46,153,125,135,107,80,101,150,217,243,
9(243),239,152,268,270,192,271,51,194,148(271),154,129,

Presentation 1 (9:05-9:25)
Topic: PSE PI P2PIunb infrastructure requirements completion, (darshan_06_0715-Rev008.docx)
Presenter: Yair Darshan

Presentation 2 (9:25-9:47)
Topic: – HW Assignment: Remedies for comments 6, 75, 84, 113-115, 230, and 244
Presenter: Yair Darshan

Presentation 3 (9:47-9:57)
Topic: Autoclass-Measurent_Baseline_V120
Presenter: Lennart Yseboodt

NonEZ Bucket (continued): 97,43,

Break Start: 9:58am
Resumed: 10:20am

Presentation 4 (10:22-11:01)
Topic: Analysis of Table 3-18 item 9, Cpd_min value for Type 3 and 4 PDs (Rev7)
Presenter: Yair Darshan

Presentation 5 (11:02-11:42)
Topic: Type3/4PSEs inrush_max value with Type ½ PDs July 2015 (Rev02)
Presenter: Yair Darshan

NonEZ Bucket (continued): 113,84(113),114(113),115(113),244(113),230(113),6(113),75(113),116,140

Break for Lunch: 12:00pm
Resume: 1:15pm (after fire drill)

Presentation 6 (13:15-14:04)
Topic: Is 180 uF Enough?
Presenter: Dave Dwelley

Presentation 7 (14:05-15:06)
Topic: Analysis of Type 3 and 4 PD Cport_max to be supported by PSE Iinrush_min(Rev 07)
Presenter: Yair Darshan

Start Break: 3:06pm
Resume: 3:34

Presentation 8 (15:44-15:54)
Topic: Consideration on Single load and Dual load PD
Presenter: Yang Zhuang

Presentation 9 (15:55-16:24)
Topic: Dual Signature Classification
Presenter: Lennart Yseboodt

Presentation 9b (15:55-16:24)
Topic: Baseline Text for Dual Signature Classification (dual_sig_classification_baseline_v123)
Presenter: Lennart Yseboodt

Presentation 10 (16:25-16:43)
Topic: Overload on 4-Pair PSE
Presenter: Christian Beia

NonEZ Bucket (continued): 240,99(revisited)

Motion 4
Move to adopt www.ieee802.org/3/bt/public/jul15/dual_sig_classification_baseline_v124.pdf as
baseline text for IEEE P802.3bt
Mover: Lennart Yseboodt
Seconder: Dave Dwelley

Technical, 75%
Y: 19 N: 0 A: 2

NonEZ Bucket (continued): 268,249,137,128,190,191

Presentation 11 (17:54-18:13)
Topic: PD PI AND 57V Rev03
Presenter: Dylan Walker

25 comments left after day two
Adjourn: 6:15pm

Thursday July 16th

Start: 8:02am

Presentation 12 (8:04-9:11)
Topic: SPI/UL Cable Heating Study
Presenter: Fred Dawson
Notes on Fred's Presentation
Comments were submitted to NEC last year.
Fred agreed to share the proposals and the sections of the NEC requirements that affect PoE cable installations.
Fred agreed to update this presentation to include test setups, conditions and procedures and to present this information at the next interim meeting in Bonita Springs, FL.

Presentation 13 (9:12 start)
Topic: Impact of proposed modifications in draft NEC 2017 on Premises Powering of Communications Equipment over Communications Cables
Presenter: Masood Shariff

Presentation 14 (moved into from presentation 13, ended 10:09)
Topic: Review of Liaison Letter to NEC CMP 16
Presenter: David Law

Motion 5
Move to direct the Chair to present liaison from 802.3 to NEC CMP16 to WG
Mover: Chris DiMinico
Seconder: Masood Shariff
Technical, 75%
Y: 24 N: 0 A: 2

Presentation 15 (10:10-10:14)
Topic: PSE Measurement Baseline
Presenter: Yang Zhuang

Presentation 16 (10:14-10:17)
Topic: PD Measurement Baseline
Presenter: Yang Zhuang

Motion 6
Move to adopt PD Measurement Baseline v2.pdf and PSE Measurement Baseline v2.pdf as found on the jul15 4PPoE website as baseline for IEEE P802.3bt
Mover: Yan Zhuang
Seconder: Lennart Yseboodt
Technical, 75%
Y: 17 N: 0 A: 4

Presentation 17 (10:17-10:36)
Topic: Type 4: Class range
Presenter: Lennart Yseboodt

Presentation 18 (10:37-10:58)
Topic: Connection Check & Detection Sequencing & Timing
Presenter: Dylan Walker

Presentation 19 (10:59-11:33)
Topic: PSE State Diagram Update
Presenter: Dan Dove

NonEZ Bucket (continued):4, 176,
71,133,72,175,124,189,150,138,136,111,104(111),255,219,216,153,135

Remaining comments will be rejected due to lack of consensus or lack of time.

Motion 7
Move that the editor incorporates comments resolved for D1.1 into D1.2, target publish date of August 10, 2015
Mover: Dave Abramson   Seconder: George Zimmerman
Technical, 75%
Y: 22 N: 0 A: 0

Motion 8
Move that Chair hold a comment cycle on D1.2, starting on August 10 and closing on September 4, 2015
Mover: Dave Abramson   Seconder: Lennart Yseboodt
Technical, 75%
Y: 22 N: 0 A: 0

Motion to adjourn- passes by voice without opposition

Adjourn: 12:16pm

Initial to indicate attendance

Name	Employer	Affiliation	7/14	7/15	7/16	
Chad Jones	CISCO	CISCO	CnJ	CnJ	CnJ	
David Abramson	TI	TI	DA	DA	DA	
Jairo Bustos Heredia	Würth Elektronik eiSos	Würth Elektronik eiSos				
Masood Shariff	COMMSCOPE	COMMSCOPE	MH	MH	MH	
5 Yan Zhuang	Huawei	Huawei	Y.Z.	Y.Z.	Y.Z.	
Matthias Wendt	Philips	Philips	MW	MW	MW	
Lennart Yseboodt	Philips	Philips	L	L	L	
Fred Dawson	Chemours	Chemours	H	H	H	
Craig Chabot	UNH-IOL	UNH-IOL	CLC	CLC	CLC	
10 Ardeshir Mohammadian	Brocade	Brocade	A.M.	A.M.	A.M.	
John McDonough	NEC AMERICA	NEC AMERICA	JM	/	/	
Len Stencel	Bourns	Bourns	LS	LS	LS	
Yair Darshan	Microsemi	Microsemi	3	3	3	
Sesha Panguluri	BROADCOM	BROADCOM	PS	PS.	PS	
15 Christian Beia	STMICROELECTRONICS	STMICROELECTRONICS	CB	CB	CB	
Gaoling Zou	MAXIM	MAXIM	G.Z	G.Z	G.Z	
David Tremblay	HP	HP	DT	DT	DT	
Dylan Walker	Cisco	Cisco	DW	DW	DW	
Thuyen Dinh	PULSE	PULSE	TD	/	TD	
20 Farid Hamidy	Pulse	Pulse	FH	FH	/	

—1—

Initial to indicate attendance

Name	Employer	Affiliation	7/14	7/15	7/16	
Poldi (Pavlick) Rimboim	Microsemi	microsemi	PR	PR	PR	
SHAHAR FELDMAN	MICROSEMI	MICROSEMI	SF	SF	SS	
Andy Gardner	Linear Tech	Linear Tech	AJG	AJG	AJG	
DALE DARRELLEM	LTC	LTC	DwD	DwD	DwD	
5 Rick FROSCH	PHiHong	PHiHong	RF	RF	RF	
Miklos Lukacs	Silicon Labs	Silicon Labs	Lukács miklós	Lukács miklós	Lukács miklós	
~~Andy Gardner~~			✓	✓	✓	
Jim Yi	Champlain Cable	Champlain Cable		JY		
Farid Hamidy	Pulse	Pulse		FH		
10 Dennis Kountz	Chemours	Chemours		DJK	DJK	
Dan Dove	DNS	LTC		DD	DD	
Denis BEAUDOIN	TI	TI		DRB		
Stephen Chasko	Landis+Gyr	Landis+Gyr		dc		
GEOFF THOMPSON	SELF	SELF		G		
15 Anathene Sainals	IEEE	IEEE		AS		
Jonathan Goldberg	IEEE	IEEE		JG		
George Zimmerman	CME Consulting	LTC, Commsege Aquatic		GZ	GZ	
Richard Mei	CommScope	CommScope		RM	RM	
Paul Vanderlaan	Berk-Tek	Berk-Tek		PH	PH	
20 STERLING VADEN	VADENENT	SURTEC	✓	SV	GV	

Name	Employer	Affiliation	7/14	7/15	7/16	
~~Greg~~ Dayin X✓	Rockwell Automation	Rockwell Automation	✓	✓	DX	
Joel Goergen	Cisco Systems	Cisco Systems			JRG	
Bryan Moffitt	Commscope	Commscope			BM	
Jon Lewis	DELL	DELL			R	
5 Bob Wagner	Panduit	Panduit			RRW	
Nick Duer	General Cable	General Cable			ND	
Jonathan Goldberg	IEEE - SA	IEEE - SA			JG	
Matthew Ceglia	IEEE - SA	IEEE - SA			MD	
Scott Kipp	BROCADE	BROCADE			SK	
10 Valerie maguire	Siemon	Siemon			VM	
Alan Flathon	LAN TECHNOLOGIES	LAN TECNOLOGIES			AF	
Victor Renteria	Bel Magnetics	Bel			VR	
Theo Brillhart	Fluke	Fluke			TB.	
15						
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