

## IEEE802.3bt Berlin, Germany March 10-12, 2015 Meeting Minutes

Gaoling Zou

**Tuesday, March 10, 2015**

802.3bt task force in session at 13:00 (ECC3).

- Secretary: Gaoling Zou
- 13:00:13:05 Self-introduction
- 13:05~13:35 Agenda review
  - Cover ground rules, IEEE Patent Policy
  - Call for potentially essential patents; no reply.
- 13:35~13:45 George Zimmerman reviewed the Ad Hoc Report—4P Mutual ID
- 13:45~14:00 Reviewed the TR-42 Liaison to IEEE 802.3 Working Group;

**Motion#1 14:00**

Move to accept minutes from Jan 2015, as posted in minutes\_0115.pdf,

Moved by Dave Dwelley

Seconded by Matthias Wendt. (Procedural, 50%)

Passes by voice without opposition.

- 14:00~14:20 **Presentation:** PD Diodes model and Vdiff at low and high current vs. E2EP2PCUNB; Yair Darshan
- 14:20~14:55 **Presentation:** Link Layer Discovery Protocol LLDP; Fred Schindler
- 14:55~15:15 **Presentation:** Connection Check: Baseline Text; David Abramson

15:15 Session recess

15:32 Session resumes

- 15:32~16:10 **Presentation:** Worst Case simulation results for system P2P\_lunb, Maximum pair current and PD available power for Type 3 and 4 systems; Yair Darshan
- 16:10~17:12 **Presentation:** MPS Unbalance; Lennart Yseboodt
- 17:12~17:30 **Presentation:** Retracted Power in DLL; Yan Zhuang
- 17:30~18:00 **Presentation:** Type 4 System Power Parameters Analysis; Yair Darshan

Session recessed at 18:00

**Wednesday, March 11, 2015**

802.3bt task force in session at 8:08 am (in CCM3).

- 08:08~8:42 **Presentation:** Type Definitions; Koussalya Balasubramanian  
Straw Poll Start from 8:45, David Dwelley

1. **Straw Poll #1:** I would support Kousi's table as written (balasubramanian\_01\_0315.pdf pages 7 and 8)  
Y: 24 (30 in the room)
2. I would support Kousi's table with rows 3 and 4 renamed as "Type 1+" and "Type 2+"  
(or equivalent names)  
Y:1 (30 in the room)
2. **Motion 2 8:47**  
Move to accept text in slide 8 (for PSE) of Balasubramanian\_01\_0315\_Rev1 as base line text for IEEE802.3bt  
Y: 27, N:1, A:4
3. **Motion3 8:49**  
Move to accept text in slide 9 (for PD) of Balasubramanian\_01\_0315\_Rev1 as base line text for IEEE802.3bt  
Y:23, N:1, A:4

- 08:50~9:42 **Presentation:** 4PID-Related Issues; Dave Dwelley

9:42 Session recess

10:02 Session resumes

- 10:02~11:12 **Presentation:** REMOTE POWERING over "structured" cabling A review of European standardization activities; Mike Gilmore
- 11:12~11:28 **Presentation:** LS/o on the new ITU-T SG5 Recommendations related to Ethernet port protection; Steve Carlson. This is a liaison letter ad hoc meeting time provided to Steve Carlson to approve his drafted response to the letter.
- 4. **Motion4 11:29**  
Approve the draft liaison response and instruct Steve Carlson to present to the Working Group  
Passed by voice without any opposition
- 11:28~11:53 **Presentation:** Consideration of Field Test Accuracies and P2PRUNB Measurements; Theo Brillhart

11:50 Session recess for lunch

13:05 Session resumes

- 13:05~14:07 **Presentation:** DC disconnect (MPS) baseline proposal principles; Yair Darshan
- 14:07~14:49 **Presentation:** PSE State Diagram Update; Dan Dove

Straw Poll Start 14:49~15:14, Fred Schindler

5. **Straw Poll#2:** Should there be a field to enable IEEE 802.3BT enhanced MPS on legacy Types?

Y: 6, N: 7

6. **Straw Poll#3:** Should there be a field to enable Autoclass recalibration and Autoclass cancel ?

Y: 15, N: 0

7. **Straw Poll#4:** Should there be a field to enable a PD watchdog?

Y: 13, N: 0

8. **Straw Poll#5:** Should there be a field to enable a PSE Measurement?

Y: 20, N: 0

9. **Straw Poll#6:** Should there be a field to enable a PD Measurement?

Y: 14, N: 1

10. **Straw Poll#7:** So you want to reserved Class and Type values?

Y: 17, N: 1

15:14 Session recess

15:39 Session resumes

- 15:39~15:58 **Presentation:** Extending Power via MDI for IEEE P802.3bt BASELINE; Fred Schindler
- 15:58~16:12 **Presentation:** Single vs. Dual PD signatures; Dave Abramson
- 16:12~16:25 **Presentation:** Adding a 75W Class; Dave Abramson
- 16:25~16:31 **Presentation:** 802.3bt Current & Power levels overview; Lennart Yseboodt
- 16:31~16:56 **Presentation:** PSE PI P2P unbalance base line proposal; Yair Darshan
- 16:56~17:08 **Presentation:** Extended Power baseline proposal; Lennart Yseboodt
- 17:08~17:16 Response from ISO/IEC JTC 1/SC 25 to IEEE802.3 communications on remote powering distributed in SC 25 as N2366
- 17:16~17:30 Accepted Timeline Review
  - Last Feature List

Session recessed at 17:30

**Thursday, March 12, 2015**

802.3bt task force in session at 8:15 am (in ECC3).

- 8:15~8:52 Timeline Review and discussion;

**Straw Poll#8 8:39**

I support the aggressive timeline and the associated extra interims

Y:20

I support the slower timeline

Y:0

**Motion #5 8:45**

Move to adopt the aggressive timeline with new interims in June 2015 and October 2015, locations TBD

Mover: Lennart Yseboodt

Second: Koussalya Balasubramanian

Y:22, N:1, A:6

- 08:52~9:02 Letter review- ISO/IEC JTC 1/SC 25 to IEEE802.3 communications on remote powering distributed in SC 25 as N2366
- 09:02~9:08 Letter review Liaison Letter to TIA-TR42

**Motion#6 9:18**

Move that IEEE802.3bt accept the text in slide 7 of abramson\_01a\_0315.pdf as baseline text.

Mover: David Abramson

Second: Lennart Yseboodt

Y:28, N:0, A:1

**Motion#7 9:20**

Move that IEEE802.3bt accept the text in 75W\_Class\_PSE.pdf and 75W\_Class\_PD.pdf as baseline text.

Mover: David Abramson

Second: Yair Darshan

Y:26, N:0, A:2

**Motion#8 9:24**

Move to adopt 'Extended Power baseline v270.pdf' pages 3 through 7

Mover: Lennart Yseboodt

Second: Yair Darshan

Y:26, N:0, A:2

**Motion#9 9:38**

Move to accept page 1 of darshan\_07\_0315 rev 009 as base line text for IEEE802.3bt

Mover: Yair Darshan

Second: Christian Beia

Y:19, N:4, A:6

**Motion#10 9:40**

Move to accept slide 7 of darshan\_01\_0315\_rev009a.pdf as base line text for IEEE802.3bt

Mover: Koussalya Balasubramanian

Seconder: Yair Darshan

Y:27, N:0, A:2

**Motion#11 9:45**

Move to accept slide 9 of darshan\_01\_0315\_rev009a.pdf as base line text for IEEE802.3bt, allowing editorial license to accommodate class 8.

Mover: Yair Darshan

Seconder: Kousalya Balasubramanian

Y:27, N:0, A:1

**Motion#12 9:50**

Move to accept text from slide 3 to 7 of Schindler\_3bt\_02\_03\_15r2.pdf as IEEE802.3bt text within Section 33.6 and slide 8 to 12 of the same presentation as IEEE802.3bt text within Section 79.3.2.

Mover: Fred Schindler

Seconder: Kousalya Balasubramanian

Y:27, N:0, A:1

- 09:55~10:00 Letter review with Dave Law and Alan Flatman: Liaison Letter to TIA-TR42

**Motion#13 10:01**

Move that the chair presents the ISO liaison letter to the Working Group

Mover: David Law

Seconder: Fred Schindler

Y:29, N:0, A:1

- 10:03~10:09 Open items: Assignment of responsibility.

Open item	Owner
State Machine	Dan Dove
DC Disconnect (MPS)	Yair Darshan
Autoclass	Lennart Yseboodt
Connection Check timing	Dave Abramson
Bonus TLVs	L2 Ad hoc
4P ID Baseline	Dave Dwelley
Extended Power	Lennart Yseboodt
Management/L2	L2 Ad hoc
Register Set	L2 Ad hoc
PICS	UNASSIGNED (not ready yet)
MIBS	L2 Ad hoc
PD PI P2P Unbalance	Yair Darshan

10:10 Session recess

10:33 Session resumes

**Motion#14 10:34**

Move that the chair presents the TR42 liaison letter to the Working Group

Mover: Matthias Wendt

Seconder: Faisal Ahmad

Y:19, N:0, A:1

**Motion#15 10:40**

Move to charter the editor to generate D0.4 by incorporating the motions from the March meeting.

Mover: Matthias Wendt

Seconder: Dave Dwelley

Passes by voice without opposition

**Motion#16 10:42**

Move to hold Task Force review cycle #2, to open on March 30 and close April 26, midnight AOE.

Mover: Kousalya Balasubramanian

Seconder: Dave Abramson

Y:28, N:0, A:0

Task Force adjourns: 10:46

## 4PPoE Task Force Attendance

Initial to indicate attendance

Name	Employer	Affiliation	3/10	3/11	3/12
Chad Jones	CSCO	CISCO	CMJ	CMJ	CMJ
Andy Gardner	Linear Tech	Linear Tech	ATG	ATG	ATG
DAVE DWELLEY	LTC	LTC	DWD	DWD	DWD
Fred Schindler	Seen Simply	Broadcom, Cisco, TI	ZLS	ZLS	ZLS
<sup>5</sup> LEONART YSEBOORT	PHILIPS	PHILIPS	B	B	B
DAVE VAN GOOR	PHILIPS	PHILIPS	<del>Have</del>	<del>Have</del>	<del>Have</del>
Matthias Wendt	Philips	Philips	WJ	WJ	WJ
Ruud van Beldhorst	Philips	Philips	R	R	R
STEPHANE BOURGEOIS	BERDEN	BERDEN	/	!	
<sup>10</sup> Fu Shiyong	Huawei	Huawei	傅世勇	傅世勇	傅世勇
Yan ZHUANG	Huawei	Huawei	ZY	ZY	ZY
Jairo Bustos Heredia	WÜRTH ELEKTRONIK	WÜRTH ELEKTRONIK	<del>JB</del>	<del>JB</del>	<del>JB</del>
FRED DAWSON	DuPont/Chenier	DuPont/Chenier	<del>FD</del>	<del>FD</del>	<del>FD</del>
LEN STENCEL	BOURNS	BOURNS	L.S.	L.S.	L.S.
<sup>15</sup> Stephan Steinke	MOLEX	MOLEX	Stein	Stein	Stein
Darshan Yair	Microsemi	MSCE	<del>DY</del>	<del>DY</del>	<del>DY</del>
KORHARZ DRON	MICROSEMI	MICROSEMI	<del>KD</del>	!	
ALON FERENTZ	Microsemi	Microsemi	<del>AF</del>	<del>AF</del>	<del>AF</del>
Rick Frosch	PHitong	PHitong	<del>RF</del>	<del>RF</del>	<del>RF</del>
<sup>20</sup> TADHR O'BRIEN	MICROSEMI	MICROSEMI	TOB	TOB	TOB

## 4PPoE Task Force Attendance

Initial to indicate attendance

Name	Employer	Affiliation	3/10	3/11	3/12
Ther Brillhart	Fluke Corp.	Same	B.	B.	
DAVE WESS	CORD DATA	CORD DATA	<del>W</del>		
Dieter Seichentanz	Geeselect	Leoni-Körper	Sei		
Sebastian Itkin	Airbus	Airbus	Sei		
Alexandros Elefsiniotis	Airbus	Airbus	<del>Sei</del>		
Peter Scruton	UNH-IOL	UNH-IOL	<del>Sei</del>	<del>Sei</del>	<del>Sei</del>
David Abramson	TI	TI	Da	Da	Da
YAKOV BRLOPOLSKY	BEL STWARD	Bel	Yur		
MOHAMMAD SABOORE	PULSE ELECTRONICS	PULSE ELECTRONICS	M.S.		
Victor Renteria	Bal Magnetics	Bal Magnetics	VR		
Richard Mei	CommScope	CommScope	RM		
George Zimmerman	CME Consulting	CommScope/Agration & LTC.	Mag.		
Ardeshir Mohammadian	Brocade Com	Brocade Com	A.M.	A.M.	A.M.
CHRISTIAN BELA	STMicroelectronics	STMicroelectronics	CB	CB	CB
Hubert Theissen	Nexans	Nexans	TH		
Paul Vanderlaan	Berk-Tek LLC	Berk-Tek LLC	PV		
MASOOD SHARIFF	COMMSCOPE	COMMSCOPE	MS	MS	MS
Valerie Maguire	Siemon	Siemon	Ve		
Geoff Thompson	GRALAS	LINEAR	G	G	G
Matthias Fritschle	HARTING	HARTING	M.F.		



Name	Employer	Affiliation	3/10	3/11	3/12	
David Tremblay	HP	HP	<del>dat</del>	<del>B</del>	<del>B</del>	
GAOLING ZOU	MAXIM	MAXIM	GZ	GZ	GZ	
Koussalya Bulasubramanian	Cisco	Cisco	sh.	sh.	sh.	
Sesha Panguluri	Broadcom	Broadcom	SP	SP	SP	
5 FAISAL AHMAD	AKROS SILICON	AKROS SILICON	FA	FA	FA	
John Wilson	SILICON LABS	SILICON LABS	JW	JW	JW	
Ramin Farjad	Aquantia	Aquantia	RF			
Andrew Jimenez	Anixter	Anixter	ag			
James Malkemus	General Cable	General Cable	jm	jm		
10 WAZEL DIAB	KUAWTI	KUAWTI	WD	WD	WD	
DAN DOVE	DNS	LTC		DD	DD	
<del>Eric DiBiasi</del> ERIC DiBiasi	TE Connectivity	TE Connectivity		ED	ED	
DAVID LAW	HP LTD	HP LTD		DL		
Gottfried Schleicher	OSRAM	OSRAM		GS		
15 Bernd Horrmeyer	Phoenix Contact	Phoenix Contact		BH		
20						