IEEE802.3bt Atlanta, Georgia January 14-16, 2015 Meeting Minutes

Matthias Wendt + Lennart Yseboodt

Wednesday, January 14, 2015

802.3bt task force in session at 8:00 AM (Centennial II, Ballroom Lvl).

- Secretary: Matthias Wendt.
- Agenda review
- Cover ground rules, IEEE Patent Policy
- Call for potentially essential patents; no reply.

1. **Motion:** Move to accept minutes from November 2014, as posted in minutes_1114.pdf,
   moved by Matthias Wendt seconded by Dave Dwelley. (Procedural, 50%)
   Passes by voice without opposition.

- Agenda discussed and accepted with no opposition
- Geoff Thompson positions himself as the next secretary by letting his phone ring.
- 08:20 Start with reviewing comments of the Draft 0.2, filed November 26, 2014
- Comments 131, 92, 122, 94, 123, 132, 54, 61, 108, 127 have been requested to be taken out of the EZ bucket.

2. **Motion:** Move to accept all suggested remedies of the comments in the 'EZ Bucket' for
   802.3btD0.2 as found in BT_D0p2_EZcomments_rev2.pdf.
   Mover: Dave Abramson
   Seconder: Fred Schindler
   Technical, 75%
   Passes by voice without opposition

10:16 Session recess
10:35 Session resumes

- Proceeded with reviewing comments of the Draft 0.2

11:55 Session recess
13:00 Session resumes (in Centennial III, Ballroom Lvl).

- Proceeded with reviewing comments of the Draft 0.2

14:55 Session recess
15:17 Session resumes

- Proceeded with reviewing comments on Draft 0.2 until all comments have at least been reviewed, occurring at 16:10
- 25 comments are related to presentations. 6 presentations in the list for this interim relate to comments.

- 16:15 **Presentation:** Types for bt Standard; Yan Zhuang
(Presentation has relation to comment 57 of Fred Schindler)
- 16:55 **Presentation**: Link Layer Discovery Protocol LLDP; Fred Schindler
- 17:25 **Presentation**: Type 4- Power; Koussalya Balasubramanian

Session recessed at 18:17

Thursday, January 15, 2015

802.3bt task force in session at 8:01 am (in Centennial II, Ballroom Lvl).

- 08:03 **Presentation**: Pair-set Coherency; Dave Dwelley
- 08:55 **Presentation**: Table 33-1 reorg (comment no. 4); George Zimmerman
- 09:31 **Presentation**: Addendum Telecommunications Systems Bulletin TSB-184
Guidelines for Supporting Power Delivery Over Balanced Twisted-Pair Cabling; Chris DiMinico"

10:17 Session recess
10:36 Session resumes

- 10:36 **Presentation**: PSE Vdiff proposal; Yair Darshan

3. **Motion:** Move to accept VPort_PSE_diff_max value per the table in slide 5 of
darshan_03_0115.pdf.
Mover: Yair Darshan
Seconder: Dave Dwelley
Technical, 75%
Y: 23   N: 0   A: 2
Motion Passes

- Reviewing related comments of the Draft 0.2 (#68 and #37 OBE by motion 3)
- 10:57 **Presentation**: DC Disconnect - Part I Baseline Text; Jean Picard

4. **Motion:** Move to accept text in slide 6 of picard_01_0115_rev_1.pdf as baseline text for
IEEE802.3bt.
Mover: Jean Picard
Seconder: Lennart Yseboodt
Technical, 75%
Y: 24   N: 0   A: 4
Motion Passes

- Reviewing related comments of the Draft 0.2 (#121 and #78 OBE by motion 4)
- 11:38 **Presentation**: Consideration on classes for Autoclass; Yan Zhuang

11:50 Session recess for lunch
13:05 Session resumes

- 13:05 **Presentation**: Autoclass II; Lennart Yseboodt

Matthias Wendt   2

- 14:07 **Presentation**: Autoclass II - baseline text; Lennart Yseboodt, David Abrahamson

5. **Motion:** Move to adopt the baseline text in yseboodt_1_0115_baseline_v131.pdf.

    Mover: Lennart Yseboodt
    Seconder: David Abrahamson
    Technical, 75%

    Y: 18   N: 0   A: 7
    Motion Passes

- 14:31 **Presentation**: The Need for Whiteboard State Machine Specifications; Dan Dove

14:58 Session recess
15:19 Session resumes

- Reviewing related comments of the Draft 0.2 (#89, #88, #87, #86, #76, #105, #103, #101, #99)
- 15:41 **Presentation**: Physical Layer and DLL Classification; Lennart Yseboodt

6. **Motion:** Move that Type 3 and Type 4 PSEs shall support physical layer classification

    consistent with the physical layer power levels the PSE can support.

    Mover: Lennart Yseboodt
    Seconder: Yair Darshan
    Technical, 75%
    Y: 20   N: 1   A: 6
    Motion Passes

- 15:56 **Presentation**: Physical Layer and DLL Classification - baseline text; Lennart Yseboodt

7. **Motion:** Move to adopt the baseline text in yseboodt_3_0115_baseline_v130.pdf.

    Mover: Lennart Yseboodt
    Seconder: Yair Darshan
    Technical, 75%
    Y: 21   N: 0   A: 5
    Motion Passes

- Reviewing related comments of the Draft 0.2 (#20 and #97 OBE by motion 7)
- 16:10 **Presentation**: PD Diodes model and Vdiff at low and high current vs. E2EP2PCUNB; Yair Darshan (related comment withdrawn, group prefers to work further in line with the solution #2 on Darshan_02_0115 slide 24 and generating baseline text with TBDs instead of numbers and working on it for March meeting.)
- 17:14 **Presentation**: Class Mapping to Accommodate LTPoE++; Dave Dwelley
- 17:31 **Presentation**: PD Load Turn On; Koussalya Balasubramanian
- Reviewed remaining open comments of the Draft 0.2

Session recessed at 17:59
Friday, January 16, 2015

Time give for a face-to-face state machine adhoc at 8am, and for a short meeting afterward to more

deeply describe the problem that was illuminate in the presentation 'PD Load Turn On'.

802.3bt task force in session at 9:15 am (in Hanover FG, Exhibit Lvl).

- 09:15 **Organizational**: Plenary in Berlin March 9 – 12, 2015
    - Agreement on schedule for March meeting in Berlin Tuesday after lunch to Thursday noon, making 2 complete days for 4PPoE.
    - Discussion on skipping a next comment cycle but concentrate on tech presentations.
    - The editor asked to make an intermediate D0.25 version of the draft just to have a common understanding of the status after the comment resolution of the January meeting.
    - Kousi and Chad will make sure that it is available early enough to influence the presentation submission for Berlin. Agreed that the new draft will be available at least one week before presentation deadline.

- 09:25 **Presentation**: Type 4 Power capability is Over 4P; Yair Darshan
- Reviewing related comments of the Draft 0.2 (withdrawn #80, #60 , #29 , #25 , 2pair portion of #23)
- 10:10 **Presentation**: Interoperability; Dave Dwelley

10:47 Session recess
11:05 Session resumes

- 11:08 **Presentation**: Extended and Retracted Power; Lennart Yseboodt

    Straw poll 1: For Type 3 and 4 (PSE & PD):
    Class 0-6 PSEs perform retracted power by default, the text should be clarified to make this obvious.
    Class 7 PDs perform extended power by default (95W Type 4 power level).
    Y: 24.5 N: 2.5

    Straw poll 2: For Type 3 and 4 (PSE & PD):
    Class 0-5 PSEs perform retracted power by default, the text should be clarified to make this obvious.
    Class 6-7 PDs perform extended power by default (60W Type 3 and 95W Type 4 power level).
    Y: 24 N: 3

- 11:47 **Presentation**: Consideration on Connection Check; Yan Zhuang

12:19 Session recess for lunch
13:25 Session resumes

- Reviewing remaining open comments of the Draft 0.2 (#43)

8. **Motion:** A single load PD (as represented in the follow on pictures in the next slide) shall present the same class on each pair-set.
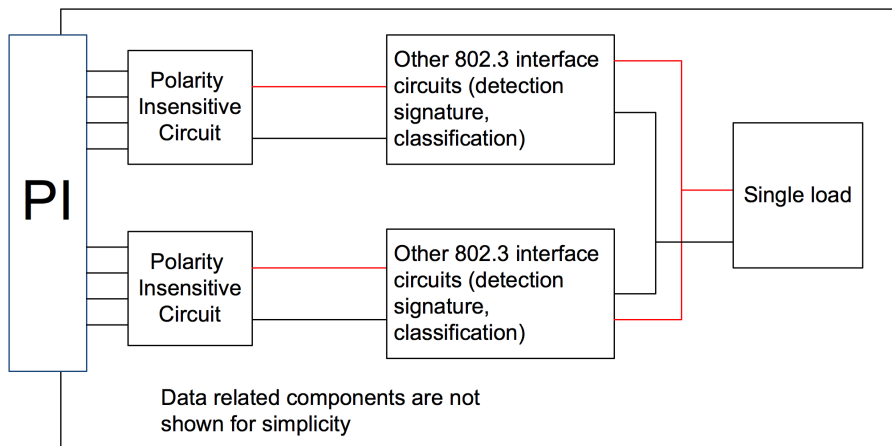
Mover: Yan Zhuang
Seconder: Dave Dwelley
Technical, 75%
Y: 22   N: 0   A: 1
Motion Passes

A PD with single load and dual interface architecture

A PD with single load and single interface architecture
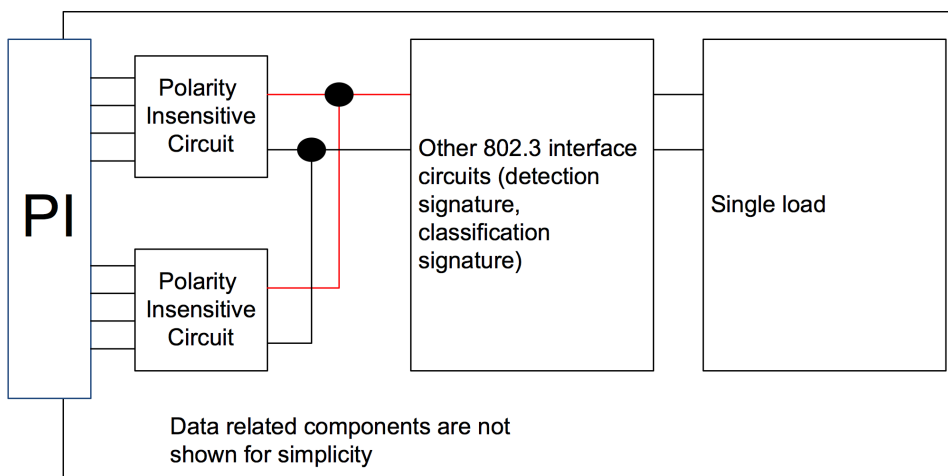
- Reviewing remaining open **comments** of the Draft 0.2   (#102)

- 14:27 **Presentation**: New LLDP capabilities; Lennart Yseboodt
- 14:40 **Presentation**: Updating RDSON min and max in Table G1 Adhoc data base; Yair Darshan
- 14:45 **Presentation**: Discussion on PoE procedure; Yan Zhuang

9. **Motion** Move that the editor incorporates comments and adopted baseline from the Jan
2015 meeting into D0.25 for publish not less than one week before presentations are due.
Mover: Chad Jones
Seconder: David Abramson
Procedural, 50%
Motion passes by voice without opposition.

13. **Motion**: Move to adjourn.

Moved by Faisal, passes by voice.

Session Ends 15:10

4PPoE Task Force Attendance

Name	Employer	Affiliation	1/14	1/15	1/16	
Chad Jones	CISCO	CISCO	CMJ	CMJ	CMJ	
Matthias Wendt	Philips	Philips	MW	MW	MW	
FAISAL AHMAD	AKROS SILICON	AKROS SILICON	FA	FA	FA	
FRED SCHINDLER	SEEN SIMPLY	Broadcom Cisco Texas Instruments	FRS	FRS	FRS	FRS
5 DAVE DWELLEY	LTC	LTC	DWD	DWD	DWD	
MABUD CHOUDHURY	CME	CME	MMC	MMC	MMC	
Yair Darshan	MSCC	MSCC			✕	
GAOLING ZOU	MAXIM	MAXIM	GZB	GZB	GZB	
Phillip Brownlee	COILCRAFT	COILCRAFT	B	B	✕	
10 Dan Dove	DNS	LTC	DD	DD	DD	
Alex Seiger	UNH-IOL	UNH-IOL	AWS	AWS	AWS	
Ardeshir Mohammadian	Brocade	Brocade	A.M	A.M.	A.M.	
ALAN FLATMAN	LDN TECHNOLOGIES	LDN TECHNOLOGIES	AF	✕	✕	
Victor Renteria	Bel Fuse	Bel Fuse	VR	VR	✕	
15 Brian Buckmeier	Bel fuse	Bel fuse	BB	BB	✕	
STERLING VADEN	VADEN ENT.	VADEN ENT.	SV	SV	SV	
GEORGE ZIMMERMAN	CME CONSULTING	LTC + CommScope	KMS.	✕	KMS.	
GEOFF THOMPSON	GraCaSI	LTC	G	G	G	
Miklos Lukacs	silicon Labs	silicon Labs	Lukács Miklós	Lukács Miklós	Lukács Miklós	
PETER JOHNSON	SIFOS	SIFOS	PW	✕	PW	
20						

Initial to indicate attendance

Name	Employer	Affiliation	1/14	1/15	1/16	
Koussalya Balasubramanian	Cisco	Cisco				
Christian Beia	ST Microelectronics	ST Microelectronics	CB	CB	CB	
LENNART YSEBOODT	PHILIPS	PHILIPS				
MASOOD SHARIFF	COMMSCOPE	COMMSCOPE	MS	MS	MS	
5 Jonas Miller	Pulse Electronics	Pulse Electronics			X	
JEAN PICARD	TI	TI			X	
Rick FROSCH	PHiHong	PHiHong	RF	RF	RF	
David Abramson	TI	TI	Da	Da	Da	
Sesha Panguluri	BroadCom	BroadCom	PSw	PSw	PSw	
10 ISMAIL JORIO	BroadCom	BroadCom	IJ	IJ	IJ	
DAVE HESS	CORD DATA	CORD DATA				
Jeff Lapak	UNH-IOL	UNH-IOL	J.L.	X	X	
THUYEN DINH	PULSE	PULSE			X	
Hua Rui	Huawei	Huawei	HR	HR	✓	
15 Yan ZHUANG	Huawei	Huawei	Y.Z.	Y.Z	✓	
Pavlich (Pahli) Rimbarm	microsemi	microsemi				
SHAHAR FELDMAN	MICROSEMI	MICROSEMI	SF.	SF	SF	
George Zimmerman	CME Consulting	CME Consulting	X	4JS	X	
PETER JOHNSON	SIFOS	SIFOS		PJ	X	
20 Koussalya Balasubramanian	Cisco	Cisco	X	X	X	

Initial to indicate attendance

Name	Employer	Affiliation	1/14	1/15	1/16	
JAMES LIU	Fairchild	Fairchild	JL	JL	JL	
Bernd Horrmeyer	PhoenixContact	PhoenixContact		M	M	
Yizhou LI	Huawei				李义周	
Albert Treßler	Siemens AG	Siemen AG			Wh	
5 Andy Gardner	Linear Tech	Linear Tech			AG	
Paul Vanderlaan	Berk-Tek LLC	Berk-Tek LLC			PV	
Haifei WANG	Huawei	Huawei .			✓	
10						
15						
20						