802.3bt Meeting Minutes
November 2016, San Antonio, Texas

Monday 11/7/2016 - 2pm meeting start time
Chad Jones – Cisco: Chair
David Abramson – TI: Co-Chair
Ken Bennett – Sifos: Secretary

Chad Jones – opening agenda presentation

Motion 1:   Move to approve the agenda for the November 2016 IEEE P802.3bt Task Force meeting
Mover: Jon Lewis   Seconder: Lennart Yseboodt
Procedural, 50%   Passes by voice without opposition

Motion 2: Move to approve the September 2016 minutes for IEEE P802.3bt.
Mover: Matthias Wendt   Seconder: David Law
Procedural, 50%   Passes by voice without opposition

Introductions were made.
Made the call for potentially essential patents: no responses.
Patent policy slide was read.
2:13pm – agenda presentation finished

2:15pm – presentation: Data Models for PSE
Presenter: Yan Zhuang   Seeking inputs for 802.3bt models (if available)

2:24pm – Comment Resolution begins
Relating to clause 30 discussion, David Law presented slides showing TLV/LLDP variable mapping.
Editor asked for support on the topic
TDL for David Law (D2.1 #124): Help with Clause 30, Table 79-9 updates.

3:00pm – Chair passed to David Abramson for remainder of Monday and Tuesday

3:06pm – Comment Resolution continued.

3:26pm – Break
3:45pm – Meeting Resumed

TDL for Christian Beia (D2.1 #173): review use of word "channel" in clause 33.   #174 RChan.

5:00pm – Short break
5:02pm – Meeting Resumed

Discussion regarding OBE cross-reference capability: Lennart Yseboodt will share with Mr. Randall

6:07pm – Meeting recessed

Tuesday Nov. 8, 2016
8:00am – Meeting resumed, Comment Resolution continued

TDL to David Abramson (primary), Yair Darshan (D2.1 #217, #218): Rewrite

TDL for Lennart, Yair, David A. (D2.1 #141): Bring Inrush sect. of PD in line with transition to MDI_POWER1
TDL for Fred, Lennart (D2.1 #118): Fix PD SD so pd_maxpower can get updated (DLL Up)
TDL to Yair (D2.1 #145): Add details of INRUSH state to DS SDs as in SS SD.
TDL to Heath (D1.2 #148): Fix PD classification text to make sure it's consistent

10:20am – Break
10:40am – resumed meeting, Comment Resolution continued

TDL previously assigned to Heath to include #26
TDL previously assigned to Fred, Lennart to include #122: DLL ability to change maxPower

12.06pm – Lunch Break
1:34pm – Meeting resumed, Comment Resolution continued

2:46pm – Break
(Lennart Yseboodt presentation to 10SPE occurred during this break)
3:30pm – Meeting Resumed, Comment Resolution continued

TDL for Fred: Update 79 to remove RFC references.
TDL for Lennart, Fred to help: Complete fields?

TDL for Lennart, Fred: Complete meas TLV descr.
TDL Yair (D2.1 #275): Update Text and Figures.

4:15pm – All Comments have been reviewed, on to presentations to close comments.

4:18pm – Presentation: Fred Schindler – PoE Management Adjustments (Clause 30 and 79)
          Editing topics discussed.
#125 Adopt changes in presentation schindler_01_1116_rev2.pdf

4:44pm – Presentation: Yair Darshan –Comment 51 TDL #510 from D2.0. Addressing Intra-pair Iunb

        #51 Accept Adopt darshan_01_1116 Rev005.pdf

        #164,222,77 All OBE

5:04pm – Presentation: Lennart Yseboodt--DLL Autoclass v100

        #251 Adopt   yseboodt_04_1116_autoclassDLL.pdf with changes

        #232, #316, #476, #503 OBE

#115 OBE by 54

#54 AIP

TDL for Stover (D2.1 #54): Add autoclass power to SDs

5:31pm – Presentation: Yair Darshan – Dual_sig_PD_SM and variables updates – for #74, #37, #108, #83

        #74 Adopt Darshan_17_1116.pdf with modification (M)->mode(M) on transitions out of DLL…

        #69, #37, #83 OBE

5:50pm – Meeting recessed

Wednesday Nov. 9, 2016

8:00am – Meeting resumed

8:06am – Presentation: Lennart Yseboodt: Von and Voff specification.

        #244 Accepted Adopt yseboodt_02_1116_vonvoff.pdf

8:25am – Presentation: Lennart Yseboodt: pclasstable

        #197 Accepted Adopt yseboodt_03_1116_pclasstable.pdf

        #86 OBE 197

(59 comments left)

8:32am – Presentation: Yair Darshan: Proposed Remedy for comment #512, #524 D2.0

        #75 Accept Revision: Adopt darshan_14_1116Rev005.pdf

8:45am – Presentation: Yair Darshan: TDL no. 237 - Missing PD advertised class in the TLV

        #42 Accept Revision: darshan_05_1116Rev003.pdf

        Some discussion about revisiting DLL state machines, TLVs

9:14am – Presentation: Heath Stewart: pse_dll_power_type (hstewart_01_1116_rev1.pdf)

        #25 OBE by 140 (TDL)

        #140 TDL needed:

TDL for Lennart, Fred (D2.1 #140) to Fix DLL Connection of T3, T4 SD to SM.

9:37am – Presentation: Lennart Yseboodt: Classification 2.0 (Simplified classification in the SD v110)

        #178   Strawpoll 1,2,3 taken (see below) yseboodt_01_1116_simpleclass.pdf

#161, #23 Accept.

#55, #117 OBE by 178

TDL for Lennart Yseboodt (D2.1 #178): Update PSE Class SDs.

10:18am – Break

10:35am – Meeting Resumed

10:40am – Presentation: Yair Darshan: TDL # 254 (2.0-#55) - PSE SM for class code detection for SS PDs

#254   OBE by 178 TDL   darshan_08_1116.pdf

10:50am – Chad Jones resumes Chair position

11:05am – Presentation: Heath Stewart (For David Stover): PSE State Diagram, Text-Only Features

#165   Adopt Pages 1 and 2 of stover_01_1116_rev01.pdf

Straw Poll #1:

Class SD is controlled by pse_avail_power, class_num_events are removed.

For: 17

Against: 0

Straw Poll #2:

Optional method is supported to probe the requested class by producing 3 class events and reset.

For: 9

Against: 4

Straw Poll #3:

Optional method is supported to probe the requested class by producing 3 class events and reset using only one extra state in the SD.   Minimal changes to the mainline class SD will be included.

For: 8

Against: 0

11:40am – Break for Lunch

1:10pm – Meeting Resumed

1:10pm – Presentation: Miklos Lukacs: Remedies for comments #105, #106, #107

#107 Accept adopt lukacs_01_1116_Annex_33C_remedies_v12.pdf

#106, #40, #105 OBE by 107

1:20pm – Presentation: Chad Jones: decimal value TDL (Draft 2.0 #63, #64, #67)

#99 Accept: adopt cmjones_01_1116.pdf

TDL for Yair Darshan (D2.1 #44): Generate Equations for Rpair PD in extended mode.

1:40pm – Presentation: Yair Darshan: TDL no. 304 Part A - Dual-signature with DLL-Proposed concepts
#39 Held open: update to cover Option 2 selection, with mods (darshan_11_1116Option2Rev006.pdf)
        Yair to send update to reflector

2:35pm – Presentation: Yair Darshan: Table 33-31 Inrush Types correction (Inrush Mess)
darshan_18_1116.pdf
        (Comments below were resolved following #138 after break)
#78 Reject: Inrush by requested class fails to meet interoperability
#79 #80, #81 Reject (Related to #78)

3:12pm – Break
3:30pm – Meeting resumed

TDL to Chad, Lennart (D2.1 #93): Phy layer, DLL, to find text preventing DLL requesting to a higher class.

3:55pm – Presentation: Yair Darshan: Updates for PSE-PD pair-to-pair unb. requirements (TDL #78)
        #71 AIP Adopt darshan_07_1116Rev005.pdf
        #30, #46, #70 OBE by #71

4:33pm – Presentation: Michael Paul: System Unbalance Requirements
#AIP paul_01_1116_Rev00 .pdf
TDL for Yair, Michael, Ken, Lennart: Make Annex 33B informative

4:55pm – Presentation: Yair Darshan: TDL #53 D2.0
        #57 AIP Adopt page 2 in darshan_02_1116_Rev002.pdf
        #58 Withdrawn

5:14pm – Presentation: Lennart Yseboodt: Iport Definition
#85 (Chad's Comment) AIP Adopt yseboodt_06_1116_iport.pdf   with mod

5:18pm – Presentation: Lennart Yseboodt: PSE 2-Pair<->4 Pair Switching (TDL for comment #293 D2.0).
#56 (Yair's Comment) Accept: Adopt yseboodt_07_1116_2p4p.pdf

5:32pm – Meeting recessed

Thursday Nov. 10, 2016
8:03am – Meeting resumed

8:03am – Presentation: Ken Bennett: PD Transient Sections 33.3.8.5, 33.3.8.6 (TDL 2.0 no. 50, 51)
        #34 AIP Adopt bennett_01_1116_rev01.pdf with editorial license

8:14am – Presentation: Yair Darshan: 33.3.8.2.1 and 33.3.8.4 to address both SS and DS PDs
    #62 AIP Adopt darshan_09_1116Rev001.pdf with license to implement SS changes in DS

8:21am – Presentation: Yair Darshan: TDL no. 460 - To check if removing shall is ok
darshan_03_1116.pdf
    #61   Withdrawn / Reject

8:44am – Comment Resolution continued

TDL to David Law (D2.1 #52): Update field in Clause 30 to include Type 3 and 4

TDL to Chad: (D2.1 #101) Add test alerting reader that Meas. Range > allowed V.

10:00am – All open comments resolved

Comment 178 re-opened briefly, closed without change.
Comment 30 re-opened briefly, closed without change.

Chair asked if there were any other comments that anyone would like to review.

10:06am – Comment resolution completed

Straw Poll on attendance at next meeting taken
Attend meeting in Huntington Beach?
Will: 19
May: 4
Will NOT: 2

Timeline for next meeting slide with target dates. Discussion about dates
    Draft published by 12/2
    15-day Recirculation starting 12/4, ending 12/18
    responses to comments generated by 12/23
    comment response review closes on 1/8

Motion 3: Move that the IEEE P802.3bt 4PPoE Task Force accept the comment resolutions to D2.1 as detailed in http://www.ieee802.org/3/bt/comments/ 802d3bt_D2p1_AllComments_FINAL.pdf from the November 2016 Task Force meeting and charter the editor to produce D2.2 for WG recirc and comment.
Mover: Dave Abramson Seconder: Lennart Yseboodt
Technical, 75%
Y: 24 N: 0 A: 0

Liaison letters assigned to the Task Force were reviewed. The Chair drafted responses and reviewed them with the Task Force.

SC25_N2624_to_IEEE_802d3_high_temp.pdf presented by Chair
Draft response from IEEE (David Law) presented for comments
        Last sentence modified.

TIA TR42-2016-10-161a_to_IEEE_802d3.pdf (very similar correspondence) shown by chair
Draft response from IEEE (David Law) presented for comments
        Last sentence modified (same as other response).

Motion 4: Move that the chair presents IEEE_802d3_to_TIA_on_POE_1116_draft.doc to the Working Group
Mover: Matthias Wendt Seconder: Fred Schindler
Procedural, 50% Passes by voice without opposition

Motion 5: Move that the chair presents IEEE_802d3_to_ISOIEC_SC25_WG3_1116_draft.doc to the Working Group
Mover: George Zimmerman Seconder: Jon Lewis
Procedural, 50% Passes by voice without opposition

IEEE SCC18 seeking members letter shown by Chair

Motion 6: Move that the IEEE 802.3 Working Group endorse the nomination of David Tremblay and Chad Jones as members of IEEE SCC 18
Mover: George Zimmerman Seconder: Matthias Wendt
Procedural, 50% Passes by voice without opposition

10:31 – Motions finished

Group told to Email all updated files to the Chair for posting to the website.

Accepted Timeline v3 slide shown to group by Chair. Last technical change deadline noted as the next meeting. If technical changes have to be made after January, our schedule will slide.

10:39am – Having exhausted the agenda, the Chair adjourned the meeting.

For Returning Attendees

Total attended:	0			Daily # attended:	0	0	0	0
IEEE P802.3bt Task Force Attendence - Nov'16					11/7/16	11/8/16	11/9/16	11/10/16
Last Name	**First Name**	**Employer**		**Affiliation**	**Monday**	**Tuesday**	**Wednesday**	**Thursday**
Abramson	David	Texas Instruments		Texas Instruments	Da	Da	Da	Da
Agnes	Andreas	ST Microelectronics		ST Microelectronics				
Ahmed	Mohammad	TE Connectivity		TE Connectivity				
Bennett	Ken	Sifos Technologies		Sifos Technologies	KB	KB	KB	KB
Bullock	Chris	Cisco		Cisco	CB	CB	CB	CB
Carlson	Steve	High Speed Design		High Speed Design				
Chabot	Craig	UNH-IOL		UNH-IOL	CC	CC	CC	CC
Darshan	Yair	Microsemi		Microsemi				
DiMinico	Christopher	MC Communications		Panduit				
Feldman	Shahar	Microsemi		Microsemi				
Frosch	Rick	PhiHong		PhiHong	RF	RF	RF	RF
Gardner	Andrew	LTC		LTC				
Goldberg	Jonathan	IEEE-SA		IEEE-SA				
Hess	Dave	Cord Data		Cord Data	DFH		DFH	DFH
Hoglund	David	Johnson Controls		Johnson Controls	DFH		DFH	DFH
Jones	Peter	Cisco		Cisco				
Jones	Chad	Cisco		Cisco	CmJ		CmJ	CmJ
Law	David	Hewlett Packard Enterprise		Hewlett Packard Enterprise	DL			
Lewis	Jon	Dell | EMC		Dell | EMC	JL		JL	JL
Maguire	Valerie	Siemon		Siemon				
Mowad	Brian	Cisco		Cisco				
Panguluri	Sesha	Broadcom Ltd.		Broadcom Ltd.	PSR	PSR	PSR	PSR
Paul	Michael	Linear Technologies		Linear Technologies	MP	MP	MP	MP
Picard	Jean	Texas Instruments		Texas Instruments	JP	JP	JP	JP
Schindler	Fred	Seen Simply		Broadcom Ltd., Cisco, Texas Instruments	FRS	FRS	FRS	FRS
Shariff	Masood	Commscope		Commscope	MS	MS	MS	MS

IEEE P802.3bt Task Force Attendence - Nov'16				11/7/16	11/8/16	11/9/16	11/10/16
Last Name	**First Name**	**Employer**	**Affiliation**	**Monday**	**Tuesday**	**Wednesday**	**Thursday**
Sparrowhawk	Bryan	Leviton	Leviton				
Stover	David	Linear Technologies	Linear Technologies				
Thompson	Geoff	GraCaSI SA.	Independent		G	G	
Vaden	Sterling	Surtec, Ind.	Vaden Enterprises				
Vanderlaan	Paul	Berk-Tek LLC	Berk-Tek LLC	PTV	P2V		
Voss	Bob	Panduit	Panduit				
Wendt	Matthias	Philips Lighting	Philips Lighting	MW	MW	MW	MW
Winkel	Ludwig	Siemens AG	Siemens AG				
Yseboodt	Lennart	Philips Lighting	Philips Lighting				
Zimmerman	George	CME Consulting	Commscope, Aquantia, LTC, Cisco CME Consulting				

IEEE P802.3bt 4PPOE TF **NEW** Attendees - November 2016				11/7/16	11/8/16	11/9/16	11/10/16
Last Name	First Name	Employer	Affiliation	Monday	Tuesday	Wednesday	Thursday
Stewart	Heath	LTC	LTC	X	X	X	X
BEIA	CHRISTIAN	STMicroelectronics	STMicroelectronics	l	l	l	l
Fransen	Robert	Panduit	Panduit	X	I		
DAWSON	FRED	Chemours	Chemours	X	X	X	X
AEKINS	ROB	LEGRAND	LEGRAND	X	I		
Walker	Dylan	Cisco	Cisco	X	X	X	X
MANCHESTER	GARY	MOLEX	MOLEX	X			
Yoo	Sungmy	Molex	Molex	x			
Thompson	Geoff	GraCaSI SA.	Independent	X			
Berger	Catherine	IEEE-SA	IEEE	X			
Moffitt	Bryan	Commscope	Commscope	Mr			
MEDINA	MARCEL	SPIRENT	SPIRENT	X			
Brownlee	Phillip	TDK	TDK	X		X	X
Greber	Steffen	P+F	P+F	R			
ZHUANG	YAN	Huawei	Huawei	X			
Tremblay	David	HPE	HPE	X	X	X	X
BUSTOS HEREDIA	JAIRO	WÜRTH ELEKTRONIK	WÜRTH ELEKTRONIK	X	X	X	X
GRAU	OLFF	Robert Bosch	Robert Bosch	X	I		
XU	DAYIN	Rockwell Automation	Rockwell Automation	X	I	X	

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IEEE P802.3bt 4PPOE TF **NEW** Attendees - November 2016				11/7/16	11/8/16	11/9/16	11/10/16
Last Name	**First Name**	**Employer**	**Affiliation**	**Monday**	**Tuesday**	**Wednesday**	**Thursday**
Mohammadian	Ardeshir	BroCade Com	BroCade Com	X	X	X	X
TELLAS	Ronald	BELDEN	BELDEN	X	X	X	X
AEKINS	ROB	LEGRAND	LEGRAND		X		
GORSHE	STEVE	MICROSEMI	MICROSEMI		X		
Lukács	Miklós	Silicon Labs	Silicon Labs		Lukács	Lukács	Lukács
Bohm	Mark	Microchip	Microchip			X	X
MATOLA	LARRY	DELPHI	DELPHI				X SM

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