

IEEE 802.3bt
January Interim Meeting Minutes
Koussalya Balasubramanian

Team Convened at 9:00 AM
Appointment of Recording Secretary

Motion 1

Motion to confirm Chad Jones as the chair of IEEE802.3bt Task Force

Moved: J Heath
Second: F Schindler

Y:36 N:0 A:0

Motion Passes

Table Items

Chair went through introductions
Call for anyone recording the meeting
Chair went over the patent slide
Chair made the call for Editor volunteers
Call for approving November minutes

Motion 2

Move to approve minutes from November

Moved : B. Delveaux
Second: Y Darshan
(Procedural)

Motion passes by voice without opposition

Straw poll # 1

I will definitely be attending the March Plenary in Beijing – 18
I will definitely NOT be attending the March Plenary in Beijing – 8
I am undecided about attending the March plenary in Beijing – 10

Presentation 1

Topic: Useful IEEE 802.3 Terms
Presenter: Dave Dwelley

Presentation 2

Topic: The Final Power Over Ethernet Standard
Presenter: Bill Delveaux

Presentation 3

Topic: Reducing MPS duty Cycle
Presenter: Lennart Yseboodt

Break

Team adjourned for morning break
Back in session at 10:33

Presentation 4

Topic: 4P PoE systems use cases and proposed requirements

Presenter: Yair Darshan

In response to the call for patents made by the task force chair at the start of the session, Dave Dwelley stated that there was a potentially essential patent claim in relation to page 26 of this presentation. The working group chair stated that he would contact Dave Dwelley to establish who to send the request for LOA to. Yair Darshan stated that he believed there is a potentially essential patent claim in respect to a presentation submitted by Dave Dwelley. The working group chair stated that he would contact Yair Darshan to establish who to send the request for LOA to.

Break

Team adjourned for lunch at 12:10PM

Back in session 1:12PM

Presentation 5

Topic: Thinking of 4 Pair PoE Architectures

Presenter: Heath Stewart

Presentation 6

Topic: Reducing MPS Power during STBY state

Presenter: Yair Darshan

Presentation 7

Topic: 4 Pair PoE Current Imbalance Data and Thoughts

Presenter: Jeff Heath

Straw poll taken: Is there a technical need for an imbalance specification.

Y: 21 N: 0 A: 7

Break

Adjourned for break 3:18PM

Reconvened at 3:33PM

Presentation 8

Topic: A Classification Technique

Presenter: Jeff Heath

Presentation 9

Topic: PD Architecture Proposal

Presenter: Dave Dwelley

Straw Poll # 2

One Valid 802.3bt PD architecture shall be the same N-by-1 architecture as 802.3at PDs

Y: 23 N:0 A:10

Day II

Session resumes at 9:00AM

Presentation 10

Topic: Temperature Rise Test Data

Presenter: Valerie Maguire

Presentation 11

Topic: Number of Cables in Bundles for 100 Watt 4-pair Power
Presenter: Wayne Larsen

Break

Session took break 10:16AM
Back in session at 10:32AM

Presentation 12

Topic: 4-Pair over Ethernet POE ICM temperature rise and magnetic parameters
Presenter: Brian Buckmeier

Presentation 13

Topic: PoE vs. Splitters, Y Cables, Non IEEE Power Injectors, and Misconnections
Presenter: Jeff Heath

Break

Session broke for lunch at 12:20PM
Back in session at 1:20PM

Presentation 14

Topic: Dual PSE Port Solution Impact on PSE and PD
Presenter: Jean Picard

Straw Poll # 3

Do you care about damaging network equipment?
Y – 25 N – 0 A - 5

Presentation 15

Topic: Are Diode Bridges really needed?
Presenter: Christian Beia

Adhocs

Chair asked if there is interest in a cable adhoc
Wayne Larsen agreed to chair the adhoc
Information about the adhoc will be sent on the mailer
Another Adhoc on End to End System Imbalance will be chaired by Yair Darshan and
information will be sent out on the reflector

ISO-IEC Liaison Letter

Chair went through the informal communication letter to ISO-IEC as drafted by Alan Flatman. It was suggested that we also send one to TIA and to CENELEC. The TF gave the Chair editorial license to modify the communications. The Chair will work with Wayne Larsen on the TIA the letter and send it out, as TIA meets the following week (Jan 27 – 31). The ISO-IEC and CENELEC letters will go through a 1 week review process on the reflector.

Motion 3

Motion to Adjourn the IEEE 802.3bt Interim meeting

Moved : Dave Abramson
Second: Wayne Larsen
(Procedural)

Motion passes by voice without opposition

Name	Employer	Affiliation
Thanh Tran	Bourns	Bourns
Robert Michalak	Bourns	Bourns
Fred Schindler	Seen Simply	Seen Simply
Sesha Panguluri	Broadcom	Broadcom
Paldi (Pavlic) Rimborn	Microsemi	microsemi
Bill Delveaux	Avaya	Avaya
Yair Darshan	MSCC	MSCC
JOHN WILSON	SILICON LABS	SILICON LABS
Farid Hamidy	Pulse	Pulse
GAOWNG Zou	MAXIM	MAXIM
Richard Froschl	PHiHong	PHiHong
Ghani Abbas	Ericsson	ERICSSON
Dave Estes	UNH-IOL	UNH-IOL
Ken Bennett	Sifas Tech.	Sifas Tech.
Len Stencel	Bourns	Bourns
David Abramson	Texas Instruments	Texas Instruments
Heath Stewart	Linear Technology	Linear Technology
Keng Hua, Chuang	HP	HP
Ardeshr, Mohammadian	Broadcom	Broadcom
JEAN PICARD	TI	TI
STEVE CARLSON	HSD	MARVELL BROADCOM, HUAWA
DAVID CHEN	NSN	NSN

4PPoE Task Force Attendance Date: 1/23/14

Name	Employer	Affiliation
Chad Jones	CISCO	CISCO
Koussalya Balasubramanian	cisco	cisco
DAVE DWELLET	LTC	LTC
JEFF HEATH	LTC	LTC
WAYNE LARSEN	COMMSCOPE	COMMSCOPE
Mathias Wendt	Philips	Philips
MUSA UMETHOPA	PHILIPS	PHILIPS
LENNART VSEBOODT	PHILIPS	PHILIPS
GEOFF THOMPSON	GRACIAS	Independent
Yan ZHUANG	Huawei	Huawei
RICHARD MEI	COMMSCOPE	COMMSCOPE
David Tremblay	HP	HP
FRED Dawson	DuPont	DuPont
Brian Bullmeier	Bel Stewart Gun	Bel Stewart Gun
Ph. H. P. Brownlee	COLCRAFT	COLCRAFT
Michael Paul	Linear Tech.	linear Tech.
TODD HERMAN	Commscope	Commscope
HUGH BARRASS	CISCO	CISCO
SAM SAMBASIVAN	AT&T	AT&T
Xin Chang	Huawei.	Huawei

Name	Employer	Affiliation
Valerie Maguire	Siemon	TIA
Koussalya Balambaram	Cisco	Cisco
David Tremblay	HP	HP
Ardeshir Mohammadian	Brocade	Brocade
David Chen	NSN	NSN
Brian Bellmeier	Bal Steward Connector	Bal Steward Connector
Victor Renteria	Bal Fuse / TRP	Bal Fuse / TRP
Richard Frosch	PHillong	PHillong
Richard Mei	CommScope	CommScope
Philipp Brownee	COLCRAFT	COLCRAFT
George Zimmerman	CME Consulting	CommScope
Alan Flatman	LAN Technologies	LAN Technologies
Ghani Abbas	ERICSSON	ERICSSON
BRYAN SPARROWHAWK	LEVITON NS	LEVITON NS
STERLING VADEN	UNEMPLOYED	VADEN ENT.
Ken Bennett	Sifer Tech.	Sifer Tech.
Len Stencel	Bourns	Bourns
Sesha Panguluri	Broadcom	Broadcom
GAOLING Zou	MAXIM	MAXIM
Matthias Wendt	Philips	Philips
Poldi (Paulina) Rimbalm	microsemi	microsemi
Fred Schindler	Seen Simply	Seen Simply
Yair Darshan	MSEE	MSEE
Thanh Tran	Bourns	Bourns
FRED DAWSON	Dalton	Dalton

4PPoE Task Force Attendance Date: 1/24/14

Name	Employer	Affiliation
Chad Jones	CTSW	CTSCO
DAVE DUELLEY	LTC	LTC
JEFF HEATH	LTC	LTC
WAYNE LARSEN	COMMSCOPE	COMMSCOPE
LENNART YERBOODT	PHILIPS	PHILIPS
MUSA UNMEHOPA	PHILIPS	PHILIPS
Yan ZHUANG	Huawei	Huawei
CHRISTIAN BEIA	STMicroelectronics	STMicroelectronics
Michael Paul	Linear Tech.	Linear Tech.
Heath Stewart	Linear Tech	Linear Tech
HUGH BARNES	CISCO	CISCO
GEOFF THOMPSON	GRACO SI	Ind
David Abramson	Texas Instruments	Texas Instruments
David Estes	UNH-IOL	UNH-IOL
JOHN WILSON	SILICON LABS	SILICON LABS
Keng Hua, Chuang	HP	HP