

IEEE 802.3bt
March 2014 Plenary Meeting Minutes
Len Stencel

Tuesday March 18

Team Convened at 8:10 AM

Table Items

Chair went through introductions
Call for anyone recording the meeting
Chair reviewed goals
Chair reviewed ground rules and guidelines
Chair read patent policy
Microsemi has submitted an LOA – Yair Darshan

Adhoc Report 1

Topic: Channel Pair to Pair Resistance Imbalance
Presenter: Yair Darshan

Jeff Heath's suggestions: Slide 8- Add Dual PD FET resistance and imbalance
Next Adhoc – discuss slide 9 parametric values.

Adhoc Report 2

Topic: Cable Heating Adhoc Report
Presenter: Wayne Larsen
Next Adhoc meeting: Tuesday April 15

Liaison report

Topic: Liaison report form ISO/IEC...
Presenter: Alan Flatman

Presentation 1

Topic: PSE Rsense Noise Margin
Presenter: Jeff Heath

Presentation 2

Topic: Class 5, 3-Event Classification
Presenter: Gaoling Zou

Presentation 3

Topic: 4 Pair PoE One PD
Presenter: Heath Stewart

Presentation 4

Topic: Electrical specifications for 4PPoE
Presenter: Koussalya Balasubramanian

Break Start: 10:15AM
Back in Session: 10:40 AM

Presentation 5

Topic: Interoperability – Use Case Analysis
Presenter: Yair Darshan

Presentation 6

Topic: 4PPoE Architecture Proposal 2.0
Presenter: Dave Dwelley

Recess for Lunch: 11:46 AM
Back in Session: 1:00 PM

Presentation 7

Topic: Thinking on 4 pair PD Architecture
Presenter: Yan Zhuang

Presentation 8

Topic: Reducing MPS Duty Cycle
Presenter: Lennart Yseboodt

Presentation 9

Topic: An Optimum Approach to Apply DC Disconnect
Presenter: Jean Picard

Presentation 10

Topic: Cost Comparison Between Different 4PPoe Implementations
Presenter: Koussalya Balasubramanian

Presentation 11

Topic: Prevention of Potential Damage – Use Case Analysis
Presenter: Yair Darshan

Break Started: 3:20 PM

Reconvened: 3:50 PM

Presentation 12

Topic: Wired Fault Discovery

Presenter: Fred Schindler

Presentation 13

Topic: 4 Pair PoE Current Imbalance Broken Wires & Connections

Presenter: Jeff Heath

Comment from Jeff Heath, that his presentation uses IEEE detection and the PHY for wire fault detection.

Comment from Fred Schindler, that the previous Wire Fault Discovery presentation provides a practical fault detection method.

Comment from Sessa Panguluri, prior to power-on PHY data is not present during IEEE detection so that PHY link cannot be used to detect faults.

Straw Poll 1

Straw Polls – I support-

A standard that allows only a 1 power channel PSE

For: 7 Against: 14 Abstain: 6

A standard that allows only a 2 power channel PSE

For: 10 Against: 8 Abstain: 9

A standard that allows BOTH a 1 and 2 power channel PSE

For: 18 Against: 2 Abstain: 9

A standard that allows a both a 1 and 2 power channel PD

For: 28 Against: 0 Abstain: 3

Meeting Recessed: 5:00 PM

Liaison letter response Adhoc held at conclusion of 802.3bu PoDL meeting, started approximately 1:30pm.

Back in Session: Wednesday 3/19 2:37 PM

Presentation 14

Topic: Consideration on Y Cable application

Presenter: Yan Zhuang

Comment from Yair Darshan and Jeff Thompson: Need to address preventing damage to symmetrical Y-cable installations (e.g. 10/100BASE-T, a single PSE power approach with one connector)

Straw Poll 2

Presenter: Lennart Yseboodt

I support a shorter MPS duty cycles

Yes: 24 No: 0 Abstain: 5

Approve January minutes

Motion to approve: Jeff Heath

Second: Matthias Wendt

Approved by voice vote, passed without opposition.

Presentation 15

Topic: P802.3bt Guidelines for Field Deployment

Presenter: Chris DiMinico

Break Start: 3:38 PM

Back in Session: 4:00 PM

Reviewed 4PPoE Letter to ISO SC25

Motion to send Liaison Letter to SC25: Jeff Heath

Second: Yair Darshan

Motion Passes: 31-0-1

Motion to Send TIA Liaison Doc to TR42:Chris DiMinico

Second: Yair Darshan

Motion passes: 27-0-1

Chair office hours in Room 5 on Thursday from 9-11:30 AM.

Motion to Adjourn: Dave Abramson

Second: Yair Darshan

Motion approved by voice vote without opposition

Adjourned: 4:10 PM

Beijing CHINA

4PPoE Task Force Attendance Date: MARCH 18, 2014

Name	Employer	Affiliation
JEFF HEATH	LINEAR	LINEAR
DAVE DWELLEY	LTC	LTC
HEATH STEWART	LINEAR	LINEAR
TERRY LO	LINEAR	LINEAR
Hua Rui	Huawei	Huawei
Yan ZHANG	Huawei	Huawei
SESHA PANGULURI	BROADCOM	BROADCOM
David Tremblay	HP	HP
JAMES LIU	Fairchild	Fairchild
Martin Meuser	MD Elektronik	MD Elektronik
WAYNE LARSEN	COMMScope	COMMScope
David Abramson	TI	TI
JEAN PICARD	Ti	Ti
Kousalya Balasubramanian	Cisco	Cisco
GAOLING ZOU	MAXIM	MAXIM
Miklos Lukacs	Silicon Labs	Silicon Labs
Roar Nordin	Panduit	Panduit
Pouyan Rimbam	Microsemi	Microsemi
MUSA UNMEHOPA	PHILIPS	PHILIPS
LENNART YSEBOUT	PHILIPS	PHILIPS
Makkias Wendt	Philips	Philips
FAISAL AHMAD	AKROS SILICON	AKROS SILICON
ALAN FLATMAN	LAN TECHNOLOGIES	LAN TECHNOLOGIES
Fred Schindler	Seen Simply	Seen Simply
Len Stencel	Bourns, Inc.	Bourns, Inc.

Beijing

4PPoE Task Force Attendance Date: March 18, 2014

Name	Employer	Affiliation
Chad Jones	CISCO	CISCO
Victor Renteria	Bel Fuse	Bel Fuse
DARSHAN Yair	MSCC	MSCC
Valerie Maguire	Siemon	Siemon val
Alan Ng Chau Wing	Bel Fuse	Bel Fuse
Hans Lackner	QoSCom	QoSCom
Allan Nielsen	TE Connectivity	TE
Xin Chang	Huawei	Huawei
FRED DAWSON	DuPont	DuPont
Rick Froschl	PHiltron	PHiltron
Yizhou LI	Huawei	Huawei
Javen Chen	Microsemi	Microsemi
Sam Yu	Microsemi	Microsemi
SESHA PANGULURI	BROADCOM	BROADCOM
THORND TO	PULSE	PULSE
Andrew Jimenez	Anixter	Anixter

Beijing

4PPoE Task Force Attendance Date: 3/19/14

Name	Employer	Affiliation
Geoff Thompson	GRACSL	Iud
Koussalya Balasubramanian	Cisco	Cisco
Fred Schindler	Seen Simply	Seen Simply
FRED DAWSON	DuPont	DuPont
David Tremblay	HP	HP
FAISAL AHMAD	AKROS SILICON	AKROS SILICON
LENNART YSEBROODT	PHILIPS	PHILIPS
JEAN PICARD	TI	TI
David Abramson	TI	TI
James Liu	Fairchild	Fairchild
GAOLING Zou	MAXIM	MAXIM
Richard Mei	CommScope	CommScope
Richard Frosch	PittHony	PittHony
Patrick Rimboom	microsemi	microsemi
David Estes	UNH-IOL	UNH-IOL
WAYNE LARSEN	COMMSCOPE	COMMSCOPE
Dayu XU	Rockwell Automation	RA

