802.3BT 4P-ID AD HOC MINUTES (UNAPPROVED) -
6 Nov 2014
G. Zimmerman recording – please send updates or corrections to
George@cmeconsulting.onmicrosoft.com

1. 8:10 AM Central Time meeting was called to order by George Zimmerman, acting as ad hoc Chair.

Agenda:

The group approved the following agenda:
1. Call to Order
2. Housekeeping (Patent Policy)
3. PD Power Interface Identification (part 3) (schindler)
4. Discussion of Proposed Flow Chart (slide 3 of darshan_10_1114.pdf)
5. Role that 4PID will play going forward (dwelley)

2. Participants are encouraged to review IEEE meeting guidelines available at the following URL - https://development.standards.ieee.org/myproject/Public/mytools/mob/preparslides.pdf

Roll call : A sign in sheet was passed around, and is listed below.

New business at this meeting:

3. **Name of presenter: Fred Schindler, Seen Simply**

Title of presentation: PD Power Interface Identification (Part 3)

Brief description of topic: Review of slide deck previously sent to the reflector. The presenter raised the concern that the larger 802.3 community be considered as we defined 4PID, and that it was unlikely that we could consider all possible PD configurations in the world when putting forward a 4PID check. He discussed a potential PD which would present valid detection signature on 1 pair, and an invalid one on the second, designed to trigger a proprietary 4 pair power mode as one such instance to be considered.

Discussion: There was vigorous discussion on the following points:
a) The presenter described a PD as presenting an invalid detection signature when it "did not want power", which participants took exception to pointing out that it was the PSE's behavior that was described, and that PDs may be operating only in accordance with their circuitry.
b) Discussion clarified the configuration that was being described, and was concerned that attempting to accommodate any possible device in the world without knowledge would be difficult, and that the Chair of the Task Force might notify the rest of the 802.3 community in his reports to the plenary that we were considering the issue of 4PID.

4. **Name of presenter: Dave Dwelley, Linear Technologies**

Title of presentation: Roles of 4PID
Brief description of topic: the presenter discussed the following possible roles:

1. L1 4PID used for pre-4P Type 1 and 2 devices only
2. L1 4PID used for all Type 1, 2 devices (Green Power) going forward
3. L1 4PID used for all devices going forward (including T3+)

Discussion: there was discussion that suggested that the difference was the priority and precedence of any "new type" 4PID scheme proposed relative to the legacy 4PID.

Adjournment: 9:21AM Central time

Attendance: Roll Call – Sign in sheet reproduced below

Sterling Vaden	Vaden Enterprises
Peter Scruton	UNH-IOL
Len Stencel	Bourns, Inc.
Miklos Lukacs	Silicon Labs
Gaoling Zou	Maxim
Yan Zhuang	Huawei
Matthias Wendt	Philips
Lennart Yseboodt	Philips
Fred Schindler	Seen Simply
Jon Lewis	Dell
Chad Jones	Cisco
Koussalya Balasubramanian	Cisco
David Tremblay	HP
John Wilson	Silicon Labs
Paul Kish	Belden
Christian Beia	ST
Phil Brounlee	Coilcraft
Sesah Panguluri	Broadcom
John Camagna	Akros
Don Milefich	Cree
George Zimmerman	CME Consulting / LTC &Commscope
Brian Buckmeier	Bel Stewart Connector
Victor Renteria	Bel Magnetic Solutions / TRP Connector
Dave Dwelley	LTC
Rick Frosch	Phihong