

“Controversial Topics” Consensus Adhoc Report

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May 2014

Agenda

- Patent policy/pricing discussion review
- Meeting decorum
- Agree on presentation/discussion time limit
- Set list of topics
- Set fixed finish time to allow time to generate report back to 802.3bt

Topics to Discuss

- PD PI definition
- 4 pair powering of existing Type 1/Type 2 PDs
- Detection/disconnect timing
- Detection differences between single and dual channel PSEs
 - Accept/reject criteria
- PSE inrush and current control differences between single and dual channel PSEs

Straw Polls

- Do you support allowing 4-pair powering of existing Type 1/Type 2 PDs in the absence of a new TBD class signature? Y: 19
- Do you support forbidding 4-pair powering of existing Type 1/Type 2 PDs in the absence of a new TBD class signature? Y: 12
- Do you support requiring 4-pair powering of existing Type 1/Type 2 PDs in the absence of a new TBD class signature? Y: 1

Straw Polls

- Do you support allowing 4-pair powering of Type 1/Type 2 PDs in the presence of a new TBD class signature? Y: 34

Summary Report to 802.3bt

- A adhoc was held on May 15th to help build consensus on contentious topics
- 39 people participated
- These conclusions were reached:
 - There was near-consensus that the PI consists of all 8 conductors in the equipment side of a connector
 - The current standard does not require power on all 8 conductors simultaneously
 - A straw poll was taken on the topic of providing 4 pair power to existing Type 1/Type 2 PDs. The results are attached to this report.
- These issues were not resolved:
 - 12.5k signature detection. Further presentations are requested.
 - Disconnect timing. Further presentations are requested.
 - The topic of “PSE inrush and current control differences between single and dual channel PSEs” was not adequately addressed due to lack of time.
- The adhoc recommends that new presentations be generated on the 12.5k and disconnect timing topics and be circulated before the next meeting with adequate time (at least two weeks) for task force review