P802.3at Task Force
DTE Power via the MDI Enhancements
Closing Plenary Report

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General Information

• Website

• E-mail reflector
  – Submit - stds-802-3-poep@ieee.org

• Private area
  – None
November Review (1/2)

- Met 2.5 days in Cumberland D (aka service corridor)
- Presentation of IEEE patent policy
- 8 Presentations including liaison and Ad-hoc subcommittee reports
- Agreed to Classification Baseline
November Review (2/2)

• Future meetings
  – Approved Monterey (33 plan to attend)
  – Approved Geneva (29 plan to attend)
  – No dissent on Seoul (19 would attend)

• Approved 3 liaison letters

• Created a liaison position for 802.1(AB)

• Passed several motions
Motions Reviewed 1/5

- IEEE P802.3at intends to use LLDP for L2 classification. IEEE P802.at uses LLDP-MED as a starting point.
- M: W. Diab / S: D Law
- All – yea: 29; nay: 0; abstain: 1
- .3 voters – yea: 25; nay: 0; abstain: 1
Motions Reviewed 2/5

• PD’s implementing Type II classification shall repeat its second finger class current for any subsequent classification fingers within a single detection/classification cycle.

• M: M. Landry / S: D. Feldman

• All – yea: 24; nay: 0; abstain: 0

• .3 voters – yea: 20; nay: 0; abstain: 0
Motions Reviewed 3/5

• The IEEE 802.3at Task Force adopts diab_schindler_1106_1.pdf as the baseline for 802.3at classification as modified.

• M: W. Diab / S: F Schindler

• All – yea: 37; nay: 0; abstain: 3
• .3 voters – yea: 31; nay: 0; abstain: 2
Simple Classification Baseline

PSE
- AT PSEs shall choose the classification extension used.
- Legacy PSEs: Unchanged

PD
- AT PD: Use class 4 for all 802.3at PDs. After 1st classification, either
  - L2 communication which identifies 802.3at endspan
  - Second classification (“dumb ping-pong”). Identifies 802.3at midspan
  - Power-on after one classification cycle. Identifies legacy PSE
- Legacy PDs: Unchanged

Power Limits after classifying a Class 4 PD
- AT L2 PSEs enforce legacy limit until L2 is up
- AT L1 PSEs enforce maximum power limit per 802.3at objective
- AT PDs operate under class 0 limits until either L2 is up or second class and power-on
- Legacy PDs and PSEs Unchanged
Motions Reviewed 4/5

- Move that the P802.3at task force charter the editor to incorporate approved motions and maintenance items into draft 0.1.
  
  M: C. Jones/ S: D. Feldman
  
  All – yea: 35; nay: 0; abstain: 1
  
  .3 voters – yea: 30; nay: 0; abstain: 0
Motions Reviewed 5/5

• Move that technical feasibility for 1000BASE-T PoE midspans has been demonstrated and they are therefore in the scope of the specification as long as the Class D 2002 channel transmission performance is met.

• M: D. Feldman / S: J. Dupuis

• All – yea: 20; nay: 2; abstain: 13

• .3 voters – yea: 14; nay: 2; abstain: 11
Motion

• Move that 802.3 working group affirm the motions of the P802.3at task force

• Made on behalf of the task force

• Passes
Motion

• Move that the 802.3 WG chair forward the liaison correspondence:
  “TIA Request.doc”
  “TIA Response.doc” and
  “ISO Response2.doc” with appropriate edits under his signature to the appropriate parties.
• Moved: Mike McCormack
• Second: Wael Diab
Thank You