

P802.3at Task Force

DTE Power via the MDI Enhancements

Closing Plenary Report

Michael McCormack, TF Chair
mike_mccormack@ti.com

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IEEE 802.3at Task Force
Dallas Plenary

General Information

- Website
 - <http://www.ieee802.org/3/at/index.html>
- E-mail reflector
 - Subscribe – <http://www.ieee802.org/3/at/reflector.html>
 - 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 L2: Detects and classifies class 4. Communicates with PD in L2. Mutual ID achieved.
- AT L1: Detects and classifies class 4. Repeats classification (“dumb ping-pong”). Mutual ID achieved.
- 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

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