

MOTIONS PASSED

January 2006

Define a static and transient Vport for PSE and guidance for the PD.

M: F. Schindler S: G. Thompson

Define MIB objects covering extended management functions for PSE and PD

M: H. Barrass S: D. Law

The IEEE 802.3at Task Force affirms a 2-Pair Power solution at the PSE and PD contingent on meeting the project objectives.

M: W. Diab S: D. Law

The IEEE 802.3at Task Force requests the chair of 802.3at to form a classification ad-hoc. The ad-hoc will meet between February and the March 802 plenary and report back to the 802.3at Task Force in March.

M: W. Diab S: C. Stanford

March 2006

The IEEE 802.3at Task Force affirms that a PD requiring more than 12.95W will support a Layer-1 Classification extension and a Layer-2 Classification mechanism. Endpoint PSEs must support Layer-2 classification or Layer-1 classification extension for PDs requiring more than 12.95W.

M: W. Diab S: F. Schindler

Motion to charter the ad-hoc to make a proposal for the number of classifications.

M: M. Patoka S: W. Diab

May 2006

The IEEE 802.3at Task Force determines 2W as the lowest PD Layer 1 class level

M: D. Feldman S: F. Lari

The IEEE 802.3at Task Force determines that PDs should be classified in up to 10 Layer 1 classes, including the IEEE 802.3af classes, for operation over 2-pairs

M: D. Feldman S: W. Diab

Move that the IEEE 802.3at Task Force adopts 50V as the minimum Vport (see IEEE 802.3af-2003, Table 33-5, item 1) for PoE Plus.

M: F. Schindler S: W. Diab

July 2006

Move that the 802.3at Task Force adopt the schedule captured in the agenda slide “Timeline” as recorded in agenda_0706.pdf.

M: W. Diab S: S. Carlson

PDs and PSEs that are compliant only to Std 802.3-2005 will have the working label “Type-1”, PDs and PSEs that have the additional functionality to comply with the work of the P802.3at amendment will have the working label “Type-2.”

M: G. Thompson S: Y. Darshan

P802.3at Task Force will add no new mandatory requirements that will cause devices compliant with IEEE Std 802.3-2005 and IEEE Std 802.3-2005/Cor1-2006 to be non-compliant.

M: H. Barrass S: Y. Darshan

The P802.3at Task Force will add at least one L1 class between the existing 7W and 15.4W classes.

M: C. Stanford S: Y. Darshan

The P802.3at Task Force defined L1 classification power levels will not exceed the maximum power level as determined by the 802.3at committee.

M: C. Stanford S: Y. Darshan

The P802.3at Task Force will use the 2-event L1 classification mechanism as shown on p.6 stanford_1_0706.pdf.

M: C. Stanford S: Y. Darshan

P802.3at Task Force will define two pair PI.

M: M. Landry S: W. Diab

September 2006

IEEE P802.3at intends to use LLDP for L2 classification. IEEE P802.3at uses LLDP-MED as a starting point.

M: W. Diab S: D. Law

PDs 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

November 2006

Relevant page from diab_schindler_1106_1.pdf:

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
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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

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

Move that the P802.3at chairmain appoint a liaison to 802.1AB revision track.

M: T. Locke S: Y. Darshan

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

M: D. Feldman S: J. Dupuis