IEEE P802.3at MOTIONS PASSED
Last Updated January 2008

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

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

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

Propose to accept the 360mA per conductor as a basis for the maximum current at this point in time.
M: Y. Darshan S: C. Stanford

Move that the Task Force adopts barrass_1_0107.pdf as the baseline for the L2 management mechanism for 802.3at (not including the TLV definitions). Baseline limited to slides: 7, 8, 9, 10, 11, & 15 (as modified in version 2).
M: H. Barrass S: D. Dove

The P802.3at Task Force accepts slides 8-11 of presentation "Stanford1 1-17-07" titled *PoE Plus IEEE 802.3at Classification Ad Hoc Extended Classification Using Two Classification Events* to augment the baseline proposal "Diab_Schindler_1106_1" classification mechanism, changing timing per table.

TIMING SPECIFICATIONS		
EVENT	MIN (ms)	MAX (ms)
1st Class	6	30
1st Mark	2	4
2nd Class	6	30
2nd Mark	2	4
TOTAL (for reference only)	16	68

M: C. Stanford S: Y. Darshan

March 2007

Move that the Task Force accept the proposal to reference ANSI/TIA-1057 PoE TLV (barrass_1_0307.pdf) as the minimal mandatory requirement for PD support for Layer 2 management as a baseline.
M: H. Barrass S: D. Law

The IEEE 802.3at Task Force adopt presentation schindler_1_03_07.pdf slides 5 and 9 to be incorporated in P802.3at draft D0.2.
M: F. Schindler S: T. Huynh

The P802.3at Task Force modifies the mark time of the 2-Event Classification from 2-4ms to 6-12ms.
M: T. Huynh S: Y. Darshan

The P802.3at Task Force adopts stanford_2_0307.pdf as the updated PD state diagram.
M: W. Diab S: C. Stanford

Move that the 802.3at task force eliminate the requirement for midspans to be only alternative B powering and to become alternate A or B the same as endspans for 1000BASE-T.
M: R. Frosch S: C. Jones

Accept the resolution of maintenance item 1164.
M: Y. Darshan S: F. Schindler

Replace strikethrough with underlined text "If a PSE performing detection using Alternative A detects and invalid signature, ~~it should initiate a second detection attempt within 1 second~~ it should complete a second detection attempt within 2 sec after the beginning of the first detection attempt" as resolution of maintenance item 1163.
M: Y. Darshan S: T. Parker

Move that: The IEEE 802.3at Task Force accept and send the communication letter IEEE_802_3_to_TIA_0307.doc to TR42.7 as an informal communication. Also, requests 802.3 send it as a formal liaison to TR42.
M: W. Diab S: F. Schindler

Move that: The IEEE 802.3at Task Force accept the letter IEEE_802_3_to_ISO_0307.doc and request that 802.3 send it as a liaison to ISO/IEC SC25/WG3.
M: W. Diab S: Y. Darshan

May 2007

Move that the IEEE 802.3at Task Force adopt presentation schindler_5_28_07.pdf slides 4 to be incorporated in the next P802.3at draft.
M: F. Schindler S: Y. Darshan

The IEEE P802.3at TF authorizes the editor to generate and release D0.8 for a TF review and comment period at least 30 days prior to the July 2007 plenary.
M: M. Landry S: F. Schindler

Move that there be a maximum current limit for Type 2 PDs with the exception of current drawn by an input capacitor of maximum 0.12μF.
M: A. Vetteth S: Y. Darshan

Move to adopt the timeline as shown in agenda_0507.pdf as the task force schedule.
M: C. Jones S: T. Huynh

Move to strike Objective 11.
M: M. Landry S: W. Diab

July 2007

Authorise the formation of an adhoc to discuss the approaches available to provide an additional, alternative, conformance requirement to ANSI X3.263 subclause 9.1.7. Appoint Mr. Law as the Chair of the Ad-Hoc. Report results back to IEEE 802.3.
M: W. Diab S: D. Law

Motion that the task force adopt a rule that in the event of the editor making an undirected change to the draft that has more than 25% objecting, the change will be backed out.
M: D. Dove S: W. Diab

Move that IEEE P802.3at adopt the SOA "shall remove power" proposal outlined in schindler_1_0719.pdf page 9.
M: F. Schindler S: Y. Darshan

Move that Type 2 PSEs may optionally power Type 1 PDs with Type 2 current limits.
M: F. Schindler S: Y. Darshan

Move that a PSE in the power on state may remove MDI power when the MDI voltage is out of specification.
M: F. Schindler S: Y. Darshan

Move that: The IEEE 802.3at Task Force accept the letter IEEE_802_3_to_TIA_0707.pdf to TR42 and request that 802.3 send it as a liaison to TR42.
M: W. Diab S: A. Flatman

The IEEE P802.3at Task Force authorizes the editor to incorporate all resolved comments, unresolved editorial comments, and passed motions into D0.9. The draft and the comment database will be circulated for Task Force review and comment at least 30 days prior to the September 2007 interim meeting.
M: D. Landry S: W. Diab

September 2007

The 802.3at Task Force accepts as baseline material pages 13, 14, and 15 of presentation stanford_1_0907.pdf presented Sept, 11 2007 and instructs the editor to implement this change in the draft.
M: C. Stanford S: Y. Darshan

Move that IEEE P802.3at adopt pages 3, 7, 8, 12 and 13 in vetteth_2_0907.pdf as a baseline for the next draft.
M: F. Schindler S: M. Landry

Move that IEEE P802.3at rescinds the motion from Geneva (May 2007) that reads "Move that there be a maximum current limit for type-2 PDs with the exception of current drawn by an input capacitor of maximum 0.12uF."
M: W. Diab S: T. Huynh

Move to approve the editor's recommendations as provided in P802d3at_D0p9_premtg_by_bucket_ez.pdf, excluding comment 158.
M: C. Jones S: M. McCormack

Move to change the editor's recommendation as provided in P802d3at_D0p9_premtg_by_bucket_ez.pdf, comment 90 to read "Accept in Principle, Note as added in D0.9 Page 4 line 8 showing drawings are informative."
M: M. Landry S: F. Schindler

Move that the IEEE 802.3at Task Force adopt presentation darshan_2_0907.pdf slide5 to be incorporated in the next P802.3at draft.
M: Y. Darshan S: F. Schindler

Charter a DLL ad hoc to develop baseline text for the Data Link Layer classification protocol. This text is to be based on adopted resolutions, comments received in D0.9 and augment as required to complete. Appoint Wa'el Diab to chair ad hoc.
M: D. Law S: C. Jones

October 2007

Editor to insert table and associated text in diab_1_1007.pdf into next version of the draft in the introductory section of classification. Editor to add an editor's note stating that this text may be moved at a later date.
M: W. Diab S: D. Law

Amend diab_1_1007.pdf to diab_2_1007.pdf. Apply diab_2_1007.pdf throughout the next draft. Replace the definitions for Type 1 and Type 2 with those in diab_2_1007.pdf in the next draft.
M: D. Law S: W. Diab

The P802.3at Task Force authorizes the editor to generate D1.0, incorporating all resolved comments and approved motions. Unresolved and unaccepted comments will be circulated with the draft. The Task Force editors will not do the work of bringing forward comments. ASCII comments will not be accepted for Task Force review.
M: M. Landry S: D. Feldman

November 2007

Move that the IEEE802.3at Task Force approve the new objective. "The target infrastructure for PoEPlus will be 25 ohm or lower loop resistance systems (e.g., category 5e, class D or higher systems). Further, we will not cause a safety issue for a legacy installation conformant to ISO/IEC 60950."
M: B. Delveaux S: M. Landry

January 2008

Move that the TF approve the resolution of comments as recorded in the comment database, charter State Diagram and L2 AdHocs to hold separate meetings and provide updates to the editor no later than March 3rd and for the editor to prepare Draft 2.0 and post and announce no later than March 10th 2008.
M: M. Landry S: C. Jones

Move that the 802.3at Task Force send an informal communication asking the following
- If we add a new 802.3 subtype, can the subclause reference be in 802.3?
- If we add a new 802.3 subtype, do we have to implement all the previous sub-types?
- Can we add new TLV definitions to the entry labeled 802.3 subtype 2, and if so, can we also request modifications to the descriptions?
- What is the window of opportunity for us pursue any of the 3 options above within the current 802.1AB Revision project?

Allow the Task Force Chair or his delegate editorial license
M: W. Diab S: D. Law

Move that the 802.3at Task Force rely only on 802.1AB for the DLL (L2) TLVs.
M: W. Diab S: R. Sastry