

Proposed 4PPoE Objectives

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Objective 1

- The project will amend IEEE Std 802.3-2012 by amending Clause 33.

Objective 2

- IEEE Std 802.3 will comply to the limited power source and SELV requirements as defined in ISO/IEC 60950.

Objective 3

- Specify Mutual Identification to address four pair operation.

Objective 7

- The standard shall not preclude the ability to meet FCC / CISPR / EN Class A, Class B, Performance Criteria A and Performance Criteria B with data for all supported PHYs.

Objective 8

- Investigate operation with 10GBASE-T.

Objective 9

Support for operation over the following channels that have DC loop resistance of no greater than 25 ohms:

- (A) Class D or better 4-pair copper medium from ISO/IEC 11801:2002, including Amendments 1 & 2
- (B) Class D or better media from ISO/IEC 11801:1995
- (C) Category 5e or better cable and components as specified in ANSI/TIA-568-C.2
- (D) Category 5 cable and components as specified in ANSI/TIA/EIA-568-A

Objective 4

- The project shall support a minimum of TBD Watts at the PD PI.

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~~Objective 10~~

- New Type PSEs that are capable of satisfying the classified power of a legacy PD shall power PD
- compliant with IEEE Std 802.3-2012

Need an objective that addresses backwards compatibility. This isn't it. Look at the table that is objective 14 in AT and derive one for BT.

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~~Objective 6~~

- New Type PDs that can operate within the range of Type 1 PSEs or within the range of Type 2 PSEs, shall interoperate with those respective PSEs.

Will be replaced with the compatibility matrix.

Motion

- Move to adopt Objectives on slides 2, 3, 4 and 5 as shown in jones_1_0513.pdf
- Move: C Jones
- Second: S Carlson
- Technical: ($\geq 75\%$)
- Y: 17 N: 0 A: 0
- Motion passes unanimously

Motion

- Move to adopt Objective on slide 6 as shown in jones_1_0513.pdf
- Move: Y Darshan
- Second: D Abramson
- Technical: ($\geq 75\%$)
- Y: 12 N: 0 A: 0
- Motion passes

Motion

- Move to adopt Objective on slide 7 as shown in jones_1_0513.pdf
- Move: Y Darshan
- Second: G Zimmerman
- Technical: ($\geq 75\%$)
- Y: 15 N: 0 A: 0
- Motion passes