

Proposed 4PPoE Objectives, Round 2

Chad Jones

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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 4

- 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 5

- Support operation with 10GBASE-T.

Approved

Objective 6

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 7

- The project shall support a minimum of 49 Watts at the PD PI.

Objective 8

- Define parameters to limit maximum pair-to-pair current imbalance.

Objective 9

- 4PPoE PDs which operate at power levels consistent with IEEE 802.3-2012 PDs will interoperate with IEEE 802.3-2012 PSEs.

Objective 10

- 4PPoE PSEs will be backwards compatible with IEEE 802.3-2012 PDs.

Objective 11

- Update management parameters

Motion

- Move to adopt Objectives on slides 8, 9, 10, 11 and 12 as shown in jones_1_0713.pdf
- Move: W. Diab
- Second: K. Balasubramanian
- Technical: ($\geq 75\%$)
- Y: 25 N: 0 A: 0
- Motion passes

Motion

- Move to modify objective 5 as captured on slide 6 from jones_1_0713, replacing “Investigate” with “Support”.
- Move: C Jones
- Second: Y Darshan
- Technical: ($\geq 75\%$)
- Y: 22 N: 0 A: 2
- Motion passes