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Classification signature of Type 2 PD design

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Motivation

For Type 2 PD design, investigate the classification signature of dual PD implementation.

Requirements of Type 2 PD in existing spec

Section 33.3.3 PD classifications

Type 2 PDs implement both 2-Event class signature (see 33.3.5.2) and Data Link Layer classification (see 33.6).

In addition to a valid detection signature, PDs shall provide the characteristics of a classification signature as specified in Table 33–16. A PD shall present one, and only one, classification signature during classification.

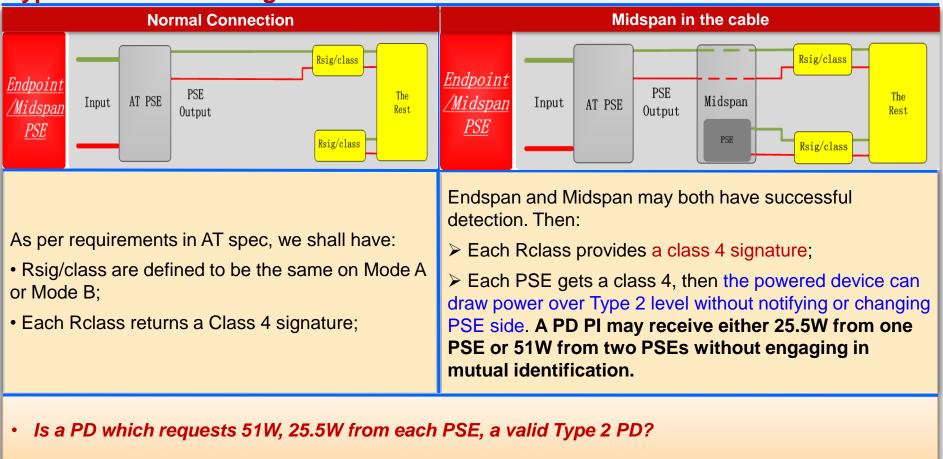
33.3.5.2 PD 2-Event class signature

PDs implementing a 2-Event class signature shall return a Class 4 classification signature in accordance with the maximum power draw, P_{Class_PD} , as specified by Table 33–18. The PD's classification behavior shall conform to the electrical specifications defined by Table 33–17.

Hence, we have Type 2 PD shall:

- implement 2-event class signature;
- •return a Class 4 classification signature;

Type 2 PD with Dual signatures





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Thank you!



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