Cl **33** *SC* **3.4.1** *P* **38** *L* **11** # 177

Jones, Chad Cisco

Comment Type **T** *Comment Status* **X** *legacy dll*

The statements "However, to improve power management at the PSE, a Type 1 PD may opt to provide a signature for Class 1 to 3." and "Type 2 PDs shall return a Class 4 classification signature in accordance with the maximum power draw..." (line 49) forces Type 2 PDs to only draw more than 12.95W. Why is it illegal for me to make a Type 2 PD that is Class 2 then uses LLDP to further refine the power consumption, say down to 5W? If I am forced to advertise Class 4 there will be situations where my PD could be powered by a PSE but won't be because the PSE has more than 7.0W but less than 15.4W left in reserve.

SuggestedRemedy

The text in 33.3.4.1 and 33.3.4.2 needs reworked to reflect this operating condition.

Proposed Response *Response Status* **O**

Cl **33** *SC* **3.4.1** *P* **38** *L* **24** # 190

Schindler, Fred Cisco Systems

Comment Type **TR** *Comment Status* **X** *legacy dll*

Table 33-10 is not clear. Why is a range of maximum stated? Does a class 2 PD need to draw at least 3.84 W?

A type 2 PD should be able to produce all classes.

SuggestedRemedy

Only state the maximum class power allowed. For example, a class 2 PD can draw up to 6.49 W.

Allow a type-2 PD to request the power it needs. That is, if it needs class-2 power levels it can do this directly using a type-1 PD Physical layer classification mechanism.

Proposed Response *Response Status* **O**

Cl **33** *SC* **3.4.1** *P* **38** *L* **9** # 174

Jones, Chad Cisco

Comment Type **T** *Comment Status* **X** *legacy dll*

The text makes no statement about Type 1 PDs using Data Link Layer classification. For sure, manufacturers will do this.

SuggestedRemedy

Add the sentence: "A Type 1 PD may optionally choose to implement Data Link Layer classification."

Proposed Response *Response Status* **O**

Cl **33** *SC* **3.4.2** *P* **38** *L* **49** # 13

LANDRY, MATTHEW SILICON LABORATO

Comment Type **T** *Comment Status* **X** *legacy dll*

Type 2 PDs don't necessarily have to exhibit >12.95W power consumption. That makes the phrase 'in accordance with the maximum power draw as specified by Table 33-10' rather misleading.

SuggestedRemedy

Delete the phrase.

Proposed Response *Response Status* **O**

Cl **33** *SC* **3.4.2** *P* **39** *L* **39** # 196

Schindler, Fred Cisco Systems

Comment Type **TR** *Comment Status* **X** *legacy dll*

A type-2 PD should be able to request the power it needs.
A type-2 PD should be able to use type-1 physical layer classification.

SuggestedRemedy

Replace the existing sentence with:
A Type 2 PD shall return the same class signature irrespective of the number of classification voltage probes performed by the PSE.

Proposed Response *Response Status* **O**