

# Remedies for D2.0 comments (v103)

## Comment #11, #278

### **Append to the paragraph in 33.2.1:**

For the definition of Class and Physical Layer classification, see 33.2.7, Table 33–12, and Table 33–13. MPS (Minimum Power Signature) is defined in 33.2.10. Autoclass is defined in 33.2.7.3 and 33.3.6.3.

## Comment #29, #279

### **In addition to the remedy, also change the following variable in 33.3.3.12:**

$V_{PD\_modeA}$

The voltage at the PD PI measured between any positive conductor and any negative conductor of the mode A pairs.

## Comment #30

### **In addition to the remedy, also change the following variable in 33.3.3.12:**

$V_{PD\_modeB}$

The voltage at the PD PI measured between any positive conductor and any negative conductor of the mode B pairs.

## Comment #46

### **Instead of the remedy:**

- **Add footnote to  $P_{Class-2P}$  in Table 33–13 to state:**

This is the minimum required power at the PSE PI calculated using minimum  $V_{Port\_PSE-2P}$  and maximum  $R_{Chan-2P}$ . Use Equation (33–3) for other values of  $V_{Port\_PSE-2P}$  and  $R_{Chan-2P}$ . For maximum power available to PDs, see Table 33–28.

- **Replace  $R_{Chan}$  by  $R_{Chan-2P}$  on page 95, line 42–45 as well as in Equation (33–3).**

## Comment #107

### **Instead of remedy:**

$T_{Rise}$ , as defined in Table 33–17, is referenced from 10% to 90% of the voltage difference **at the PI between the positive and the negative conductors of a pairset** in the POWER\_ON state from the beginning of POWER\_UP.

## Comment #113

### **Instead of remedy:**

Operation for all **PSE and PD** Types requires that the resistance unbalance be...

## Comment #117

### **Instead of remedy, replace the paragraph on page 234, line 18 by:**

Smaller constants  $\alpha$  and  $\beta$  in the equation  $R_{Pair\_PD\_max} = \alpha \cdot R_{Pair\_PD\_min} + \beta$  ensure that  $I_{Con-2P\_unb}$  is not exceeded for PD power consumption above the values in Table 33–28.

## Comment #373

### **Instead of remedy, change the paragraph on page 141 as follows:**

A Type 2, ~~Type 3 or Type 4~~ PD that does not successfully observe a Multiple-Event Physical Layer classification or Data Link Layer classification shall conform to Type 1 PD power restrictions and shall provide the user with an active indication if underpowered. The method of active indication is left to the implementer.

### **Add the following paragraph:**

A Type 3 or Type 4 PD that is assigned to a Class lower than the Class it requested shall provide the user with an active indication if underpowered.

## Comment #385

***Instead of remedy, change the sentence as follows:***

~~The PD shall meet the inrush requirements with the PSE behavior described in 33.2.8.5.~~

Note that a PSE may only provide very limited inrush current when the pairset voltage is below 30V. When the assigned Class is Class 7 or 8, the inrush current further may depend on  $V_{PSE}$ . See 33.2.8.5.

## Comment #523

***Instead of remedy, make the following replacement in Table 33–28, item 7, for the “PD Type” column:***

Parameter	PD Type
Single-signature PD, Class 0 to 6	3, 4
Single-signature PD, Class 7 to 8	<del>3</del> , 4
Dual-signature PD, Class 1 to 4	3, 4
Dual-signature PD, Class 5	4

## Comment #529

***We never refer to items inside of Tables, because that cannot be linked in Frame and needs to be updated manually. Leading to comments like this. In stead of remedy, remove the item reference.***