1 **Comment:**

2 Table 33-11 item 9, ILIM-2P.
3 This item was planned to be modified from D1.4 to D1.5 with only editorial changes and better table clarity however
4 some technical changes were made compare to D1.4 and need to be evaluated.

5
6 a) There is missing PD class information for PSE Type 1 and 2 rows 1 and 2 in the item number column. In D1.4 it was
7 there. In D1.5 it is missing. (The text in rectangular brackets is not part of the baseline).

8
9 b) We can see that class 0-4 with Type 3,4 PSE is 0.68A and class 5 with Type 3,4 PSE is 0.562A which perceived as
10 incorrect in initial review to have class 4 current > class 5 current. If we will run simulations to find ILIM-2P for class 4
11 when operated over 4pairs we will see that ILIM-2P for class 4 will be 0.410A and not 0.68A. The reason why we can't
12 use the 0.410A value and need to use the 0.684A value is as follows:
13 We decided that that there are no unbalance requirements for class 4 and below. So if PD class 4 is connected to Type
14 3 PSE and operates with 4-pairs, the unbalance theoretically may be 100% i.e. all the current flows through one of the
15 pairs. In this case ILIM-2P minimum value will be the same as required for Type 3 PSE connected to class 4 PD
16 operating over 2P which is 0.684A. That is why it could be that ILIM-2P minimum of class 4 will be higher than class 5
17 (0.562A). Class 5 unbalance is controlled. Class 4 is not.
18

19 **Suggested Remedy:**

20   1. Update Table 33-11 item 9 as per the modifications below.
21   2. Add footnote 4 to the value of ILIM-2P min.
22   3. Add note 4 at the end of table 33-11 with the following text:
23 "[4] Unbalance at and below Class 4 is not restricted its ILIM-2P value is higher than the value for Class 5."
24

#	Parameter	Symbol	Units	Min	Max	PSE Type	Additional Information
9	Output current per pairset – at short circuit condition as function of the PD assigned class.						
	All Classes	ILIM-2P	A	0.4	See info	1	See 33.2.7.7. Max value defined by Figure 33–14.
	All Classes			0.684		2	
	Class 1-4			0.684[4]		3,4	
	Class 5			0.562		3,4	
	Class 6			0.702		3,4	
	Class 7			0.829		3,4	
	Class 8			0.990		3,4	

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