Suggested Remedy for comments 6, 75, 84, 113, 114, 115, 230, 244

1. Change Table 33-11 item 4 as follows:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Item | Parameter | Symbol | Unit | Min | Max | PSE Type | Additional Information |
| 4 | Continuous output current capability in POWER\_ON state over both pairsets | Icon | A | Pclass/Vport\_PSE-2P | 1,2,3,4 |  | See 33.2.7.4 |
|  |  |  |  |
|  |  |  |  |
| 4a | Pair current due to E2ERunb within E2ERunb range | ICon-2P-unb | A | 0.668 |  | 3 | See 33.2.7.4a |
| 0.931 |  | 4 |

2. Delete comment 1 below table 33-11.

3. Make the following changes to 33.2.7.4:

33.2.7.4 Continuous output current capability in the POWER\_ON state

***Change the text of 33.2.7.4 as follows:***

PSEs shall meet ICon as specified in Table 33-11. Type 3 and Type 4 PSEs when connected to a single signature PD shall meet ICon-2P\_UNBas specified by Table 33-11 item 4a.

 ICon is the total current of both pairs with the same polarity that a PSE has to support. ICon-2P\_unb is the maximum current the PSE is required to support over one of the pairs of the same polarity under E2EP2PRunb conditions in the POWER\_ON state. In addition to IConand ICon-2P\_unb as specified in Table 33–11, the PSE shall support the following AC current waveform parameters perpairset, while within the operating voltage range of VPort\_PSE-2P:

4. Make the following changes to 33.2.7.4a:

33.2.7.4a PSE PI Pair-to-Ppair-to-pairair resistance and current unbalance

Type 3 and Type 4 PSEs operating over 4-pair are subject to unbalance requirements in this section. The contribution of PSE PI pair to pair effective resistance unbalance (PSE\_P2PRunb) to the whole effective system end to end resistance unbalance (E2EP2PRunb), is specified by PSE maximum (RPair\_max) and minimum (RPair\_min) common mode effective resistance in the powered pairs of same polarity. The PSE\_P2PRunb determined by RPair\_max and RPair\_min ensures that along with any other parts of the system - i.e. channel (cables and connectors) and the PD, the maximum pair current due to E2EP2PRunb, is not exceeding Icon-2P-unb as defined in Table 33–11 during normal powering operating conditions..