comments

CI 33	SC 2.8	.5	P 27	L 7	# 110		CI 33	SC	3.5.3	P 43	L 39	# 68
Darshan,	Yair		Microsemi Cor	poration			Patoka, Mar	lartin		TI		
Comment Type TR Comment Status X inrush Draft 0.9: There is no definition of the requirements for ILIM between 0V to 10V. The proposal below was part of maintenance request 1162.							Comment TypeTComment Status XinrushIn order to have the inrush current agree with the Vport specification, the PD should not startup at voltages less than Vport min. Otherwise inrush current may be drawh at voltages in the detection and classification ranges. Figure 33C-1 and startup dv/dt 33C.1.8, as well as many other figures imply that the PD does not draw current at less than 33V. Since 33.2.8.5 does not require the PSE to provide ANY current at 0V out, figure 33C-1 can best be described as a test of the foldback characteristic. That is, a capacitor at 0V applied to the PSE output may never charge - and is not required to do so. Requiring PSEs to supply inrush current into a short is potentiually a burdensome cost adder to the PSE. This then leads to the ability to allow the PSE a fast turn-off into a short.					
e) During startup, for PI voltages between 10V and 30V, the minimum IINRUSH												
requi See F	See Figures 33C.4, 33C.6.						SuggestedRemedy Add the following sentence:					
To: e) During startup, for PI voltages between 10V and 30V, the minimum IINRUSH requirement is 60mA. During startup, for PI voltages between 0V and 10V, the max IINRUSH requirement is as specified by Table 33-5, item 10. See Figures 33C.4, 33C.6 and 33C.6.1.							"PDs shall not draw inrush current at voltages less than Vport min."					
							Proposed Response Response Status O					
Proposed Response			Response Status O									
Cl 33 Schindler	SC 3.5 Fred		P 42 Cisco Systems	L 24	# 191							
Comment The p Pport contra draw	<i>Type</i> T beak operat _max is the adicts this. 6.49/36 = 1	R ing curre power t For exa 80 mA.	Comment Status X ent specified in this section is the PD is classified to becau mple, a class 3 PD can draw The value in item 4 states	s Pport_max/V se the Iport ma w 6.49 W and v 210 mA.	port. It is not clear ax of table item 4 with a 36 V input wi	<i>inrush</i> that II						
Also see a related comment on this same parameter. It is also not clear which lport is												

being referenced-table 33-12 has items 4 and 5 with the same name.

SuggestedRemedy

The task force needs to review these values and state what ensures interoperability.

Proposed Response Response Status **0**

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