

The PSE state diagram does not tell you when type-2 current limits are employed for the scenario where a Type-2 PSE uses 1-Event classification to power-up a Type-2 PD and then uses DLL for mutual identification. A Type-2 PSE that uses 1-Event classification should be able to power-up a Type-2 PD using Type-1 current limits and then switch to Type-2 current limits when mutual identification is completed. Similarly as per the present state diagram, the PSE that skips second finger of 2-Event classification needs to set Type-2 current limits to a Class-4 PD as soon as classification is completed (Done in TYPE2_CLASS_DONE state). This is not the intended behavior as per the text.

Remedy

Section 33.2.4.3 add new constant

PSE_TYPE

A variable that indicates the type of the PSE

Values:	1:	Type-1 PSE
	2:	Type-2 PSE

Section 33.2.4.4 add new variable

pd_dll_power_type

A control variable output by the PSE power control state diagram (Figure 33-30) that indicates the type of PD as advertised over DLL.

Values	1:	The PD is a Type-1 PD
	2:	The PD is a Type-2 PD

Section 33.6.6.3 add new variable

pd_dll_power_type

A control variable that indicates the type of PD that is connected to the PSE as advertised over DLL.

Values:	1:	The PD is a Type-1 PD
	2:	The PD is a Type-2 PD

Add the following mapping to Table 33-28 under oPSE managed object class

aMirroredDLLPowerType ==> pd_dll_power_type

Figure 33-30 PSE power control state diagram; INITIALIZE State

Add: pd_dll_power_type <= parameter_type

Section 33.2.4.6 replace **det_pd_type** with:

set_parameter_type

This function is used by Type-2 PSE to evaluate the type of PD connected to the link based on physical layer and/or Data Link Layer classification results and sets the parameters defined in Table 33-11 to values corresponding to either Type-1 PSE or Type-2 PSE. The function returns the following variable:

parameter_type

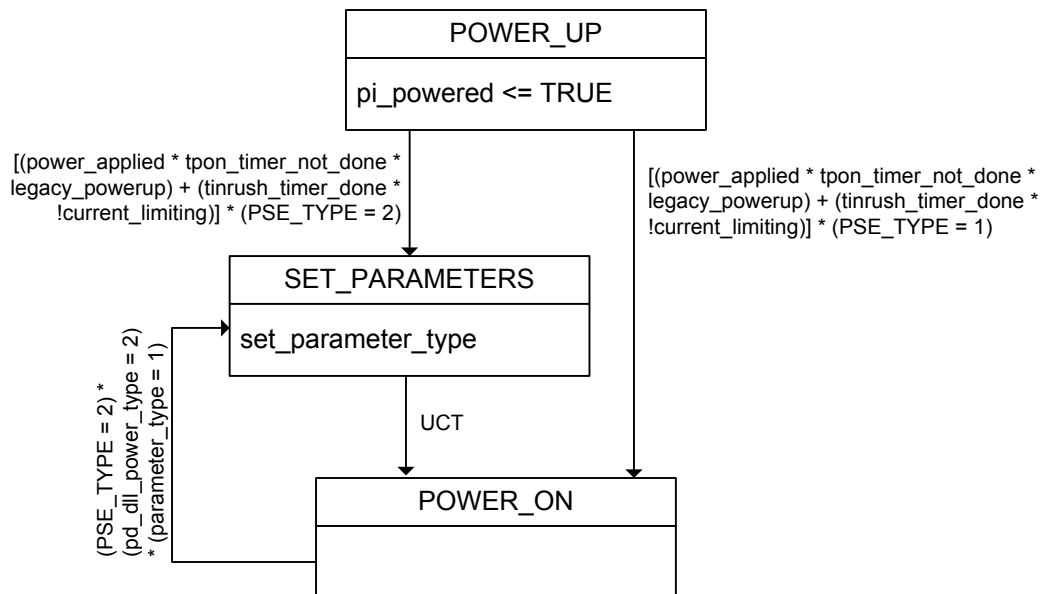
A variable used by Type-2 PSE to pick between Type-1 and Type-2 parameter values defined in Table 33-11

Values: 1: Type-1 PSE Parameter values (default)
 2: Type-2 PSE Parameter values

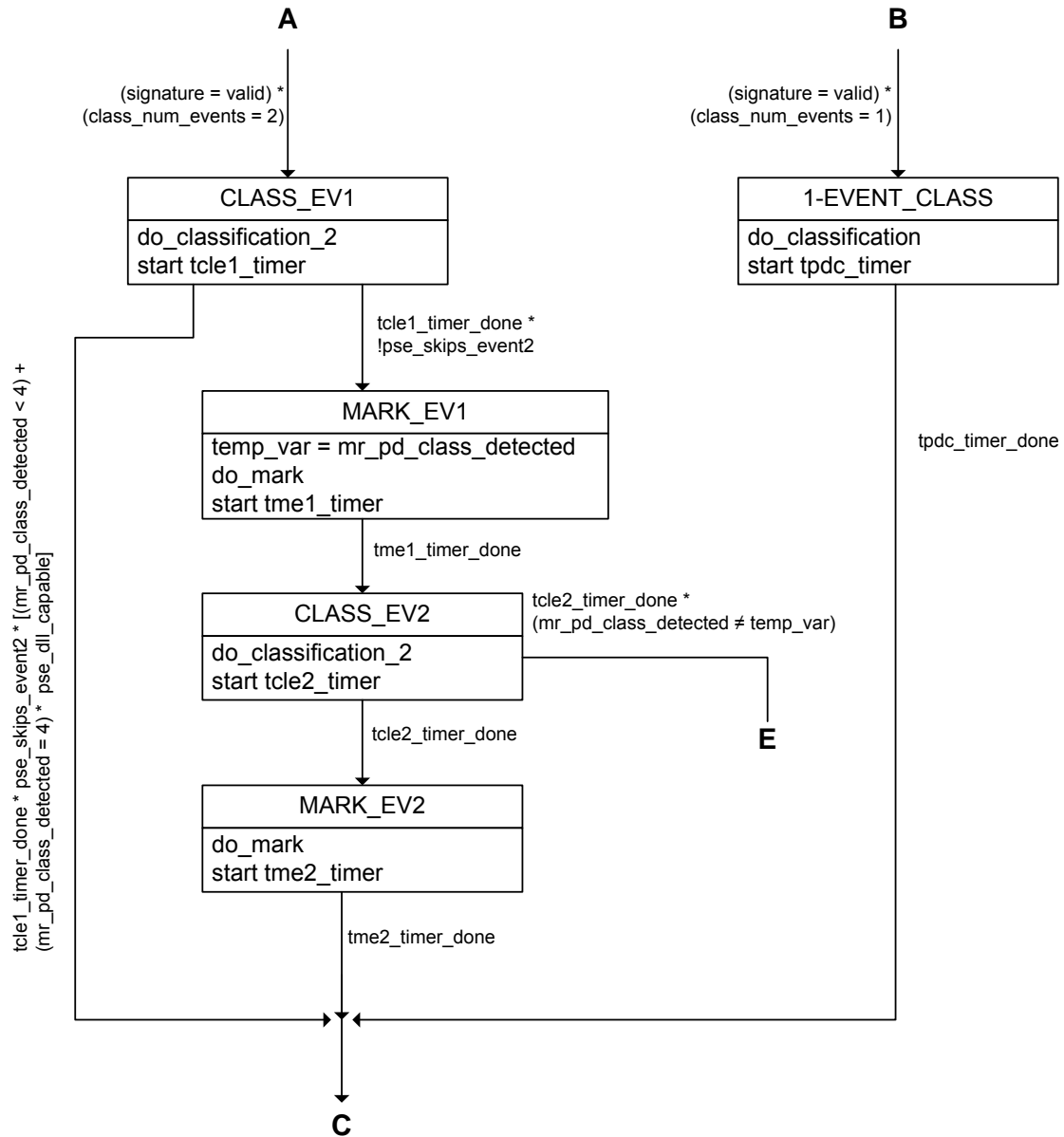
When a Type-2 PSE powers a Type-2 PD, the PSE may choose to assign a value of 1 for parameter_type if mutual identification is not complete. A Type-2 PSE shall assign a value of 2 for parameter_type if mutual identification is complete.

When a Type-2 PSE powers a Type-1 PD, the PSE shall meet the electrical requirements of a Type-1 PSE but may choose to meet the electrical requirements of a Type-2 PSE for Table 33-11, items 5, 10, 11 and 13.

Add a state SET_PARAMETER to Figure 33-9 between POWER_UP and POWER_ON



Remove TYPE2_CLASS_DONE state from Figure 33-10:



Strike lines 4, 5, 6 of page 60 since it has already been covered.