

145.2.5.6 Functions

Remove incorrect reference to 'Class 0' as no defined Type 3 or Type 4 PD of that Class exists. Note that do_classification_pri/do_classification_sec, upon which do_class_probe_pri/do_class_probe_sec were modelled, also lack these return values.

:: Page 130, line 23

do_class_probe_pri

This function discovers the PD requested Class by producing a number of class events on the Primary Alternative. The class events produced are limited to CLASS_EV1_LCE_PRI to MARK_EV3_PRI. The tlce_timer_pri in CLASS_EV1_LCE_PRI may be replaced with the tcev_timer_pri to allow abbreviated class timing duration. This function returns the following variables:

pd_req_pwr_pri: This variable contains the PD requested Class for the Primary Alternative.

Values:

- ~~0: Class 0~~
- 1: Class 1
- 2: Class 2
- 3: Class 3
- 4: Class 4
- 5: Class 5

:: Page 130, line 44

do_class_probe_sec

This function discovers the PD requested Class by producing a number of class events on the Secondary Alternative. The class events produced are limited to CLASS_EV1_LCE_SEC to MARK_EV3_SEC. The tlce_timer_sec in CLASS_EV1_LCE_SEC may be replaced with the tcev_timer_sec to allow abbreviated class timing duration. This function returns the following variables:

pd_req_pwr_sec: This variable contains the PD requested Class for the Secondary Alternative.

Values:

- ~~0: Class 0~~
- 1: Class 1
- 2: Class 2
- 3: Class 3
- 4: Class 4
- 5: Class 5

PD Requested Power is intended to reflect the amount of power the PD is requesting.
PSE allocated power is intended to reflect the amount of power the PSE allocated, based on the result of the PSE and PD negotiation.

:: Page 131, line 25

do_classification_pri

This function returns the following variables for the Primary Alternative:

pd_req_pwr_pri: This variable indicates the PD requested Class. ~~When a PD requests a higher Class than a PSE can support, the PSE assigns the PD Class 3 or 4, whichever is the highest that it can support. See 145.2.7.~~ The returned value is based on all previous do_classification_pri function calls since the last time in DETECT_EVAL_PRI or CLASS_RESET_PRI. See Table 145–27 for a determination of the PD requested Class.

Values:

- | | | |
|----|---------|--|
| 1: | Class 1 | |
| 2: | Class 2 | |
| 3: | Class 3 | |
| 4: | Class 4 | |
| 5: | Class 5 | (pd_class_sig_pri will have a value of 4 for the first two class events and a value of 3 for any subsequent class events.) |

:: Page 132, line 7

do_classification_sec

This function returns the following variables for the Secondary Alternative:

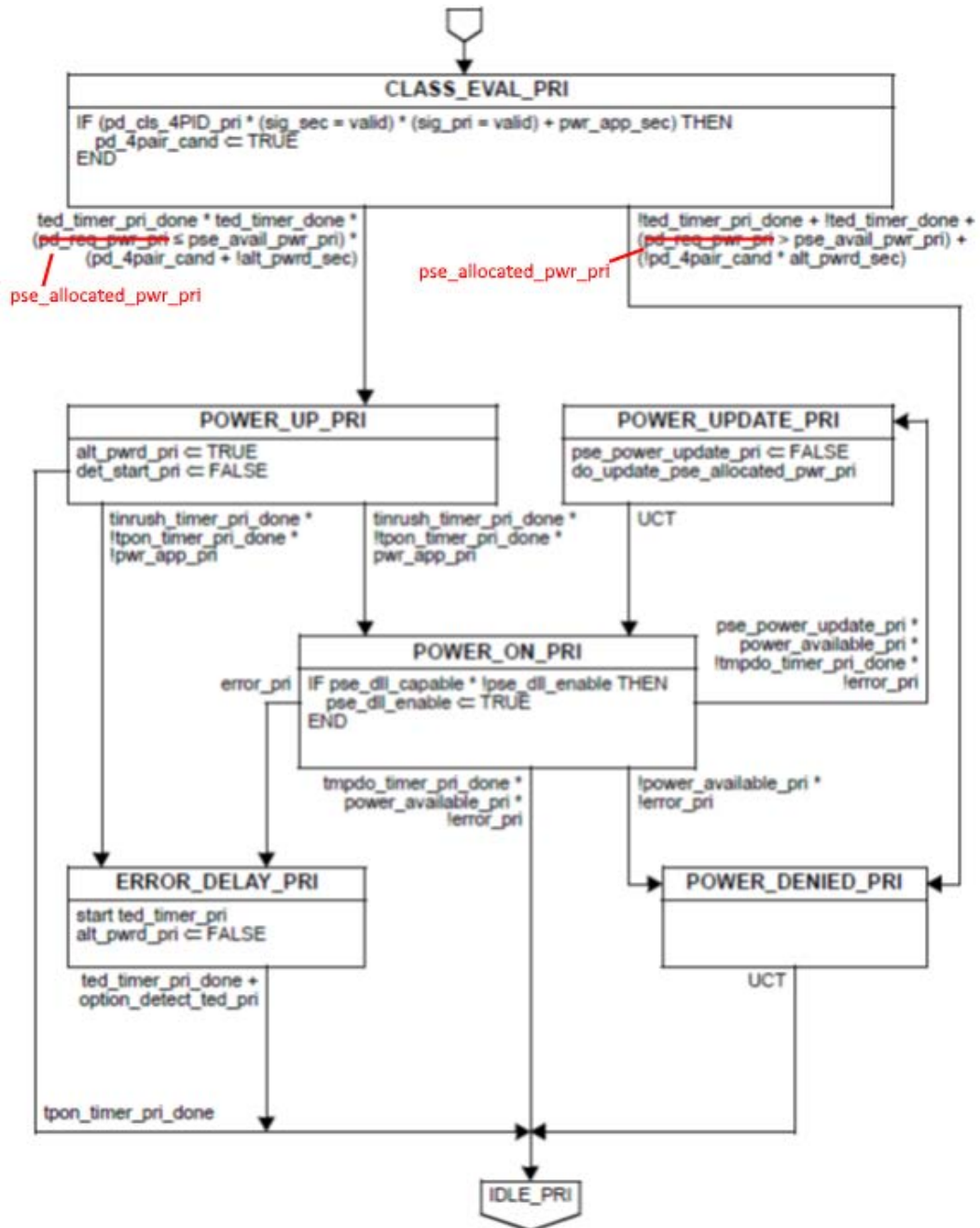
pd_req_pwr_sec: This variable indicates the PD requested Class. ~~When a PD requests a higher Class than a PSE can support, the PSE assigns the PD Class 3 or 4, whichever is the highest that it can support. See 145.2.7.~~ The returned value is based on all previous do_classification_sec function calls since the last time in DETECT_EVAL_SEC or CLASS_RESET_SEC. See Table 145–27 for a determination of the PD requested Class.

Values:

- | | | |
|----|---------|--|
| 1: | Class 1 | |
| 2: | Class 2 | |
| 3: | Class 3 | |
| 4: | Class 4 | |
| 5: | Class 5 | (pd_class_sig_sec will have a value of 4 for the first two class events and a value of 3 for any subsequent class events.) |

Change Figure 145—16 on page 144 as shown

- Correctly reference pse_allocated_pwr_pri for result of classification and demotion



Change Figure 145—16 on page 148 as shown

- Correctly reference pse_allocated_pwr_sec for result of classification and demotion

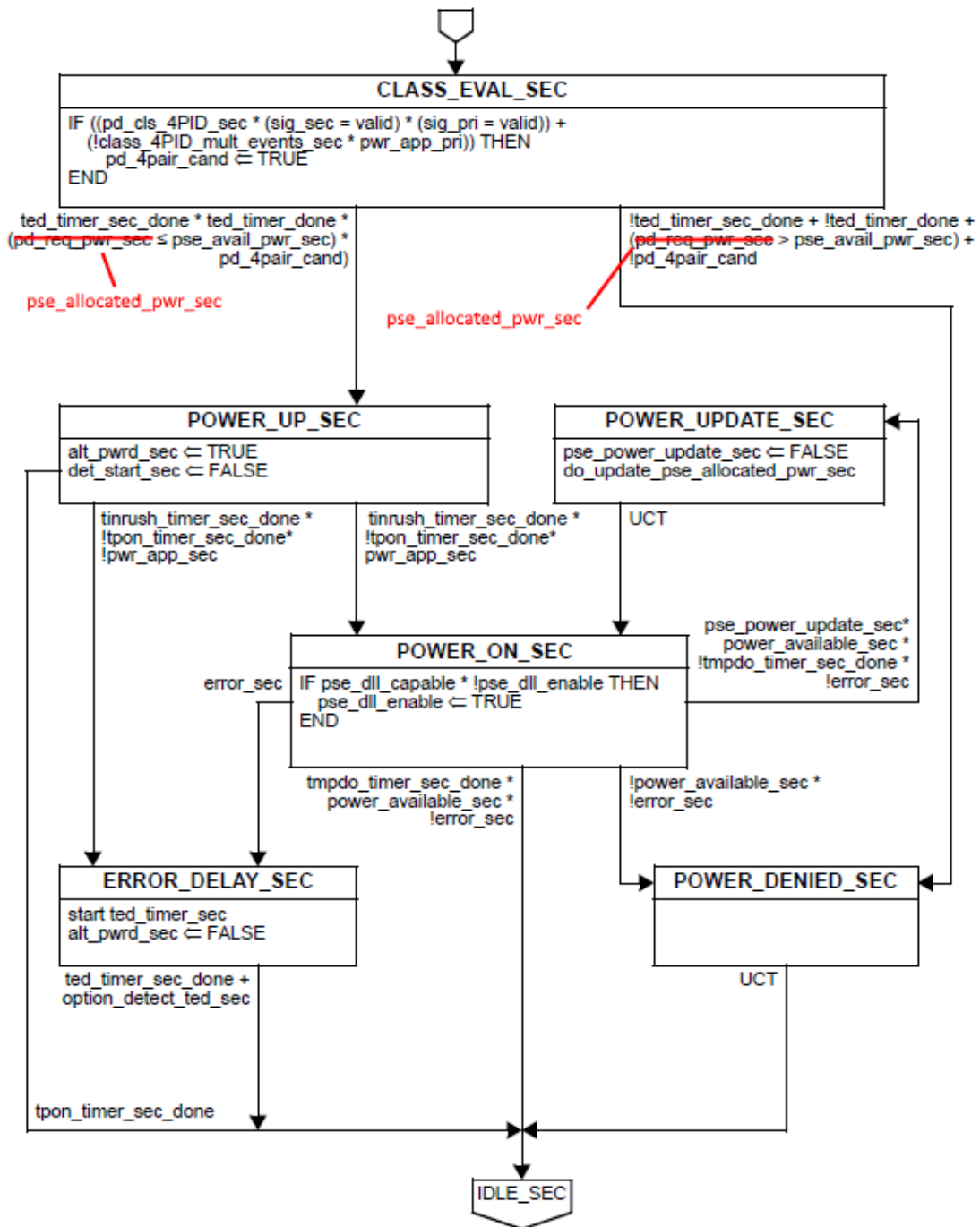


Figure 145–16—Secondary Alternative dual-signature semi-independent PSE state diagram (continued)