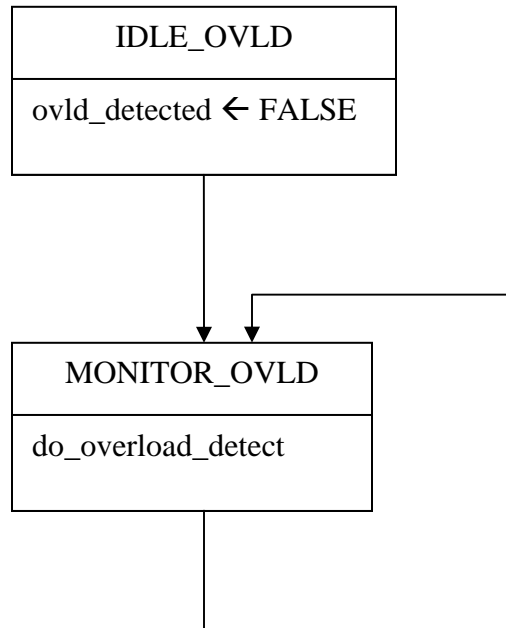


Change the OVLD state machine to read:



Add a function to the PSE state machine:

`do_overload_detect`:

This function monitors the PSE output current and detects an overload condition for at least 5% of a one second sliding time. This function returns a variable `ovld_detected`.

`ovld_detected` – output of the `do_overload_detect` function

Values:

TRUE: The PSE has detected an overload condition for at least 5% of a one second sliding time.

FALSE: The PSE has not detected a qualified overload condition.

Replace “`toovld_timer_done`” on left hand exit vector of state “`POWER_ON`” with `ovld_detected`.

Replace “`toovld_timer_not_done`” on left center vector exiting “`POWER_ON`” with `!ovld_detected`.

Replace “`toovld_timer_done`” on left hand exit vector of state “`TEST_MODE`” with `ovld_detected`.

Remove timer “`toovld_timer`” from section 33.2.4.5