Setup

Tar file: Sky130_DRC_rev_0.0_2.3.tar.gz

Tar file will produce the directory: Sky130_DRC_rev_0.0_2.3

Environment variable PEGASUS_DRC must be set:

% setenv PEGASUS_DRC {path_to}/ Sky130_DRC_rev_0.0_2.3}

If running Pegasus from within Virtuoso, this can be set in the CIW:

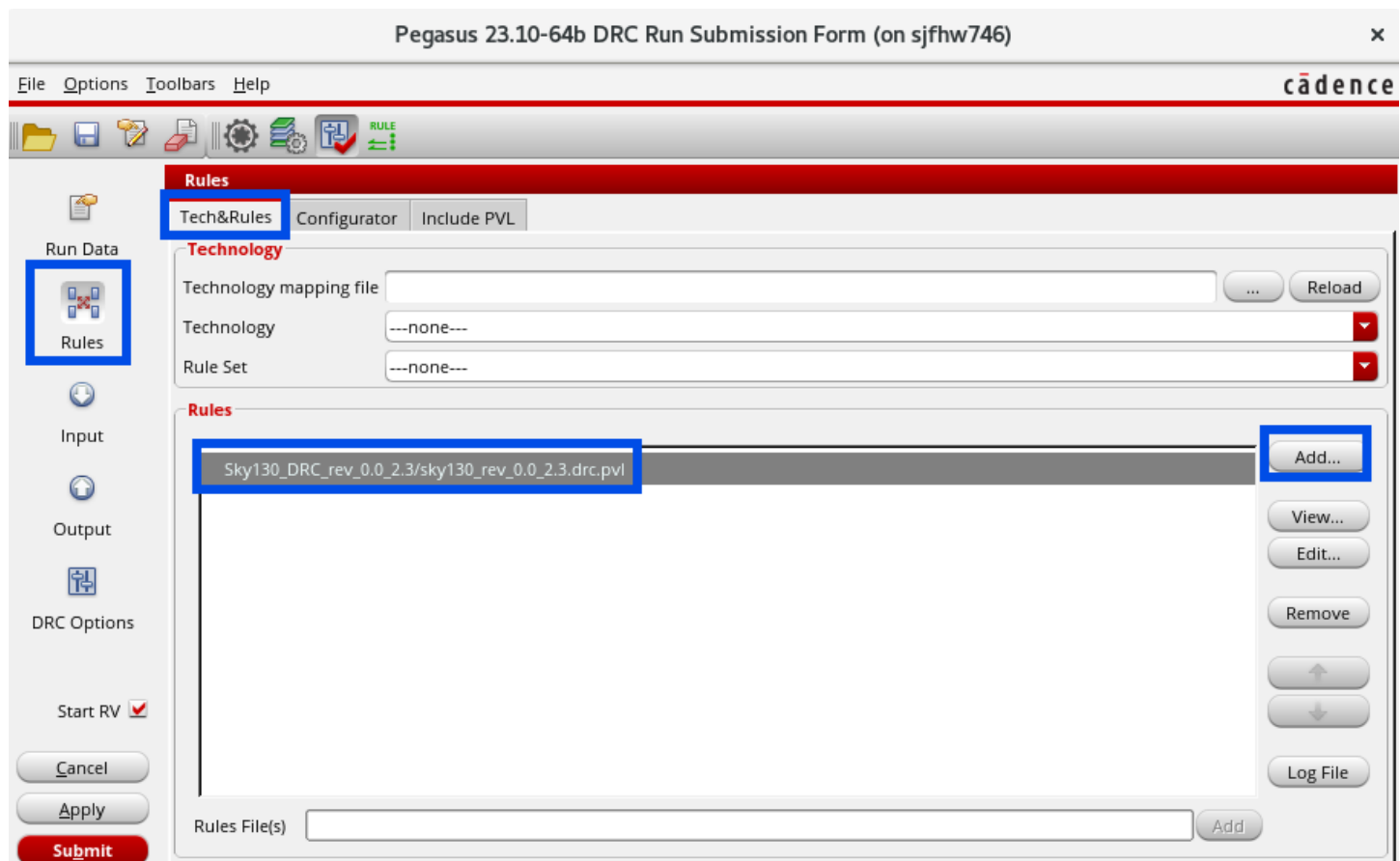 setShellEnvVar("PEGASUS_DRC" "{path_to}/Sky130_DRC_rev_0.0_2.3")

Rule File

Primary DRC file: Sky130_DRC_rev_0.0_2.3/sky130_rev_0.0_2.3.drc.pvl

Use the primary DRC file to run Pegasus DRC.

To load the primary DRC file, from the Pegasus DRC Run Submission Form:

- Go to the "Rules" tab and then "Tech&Rules"
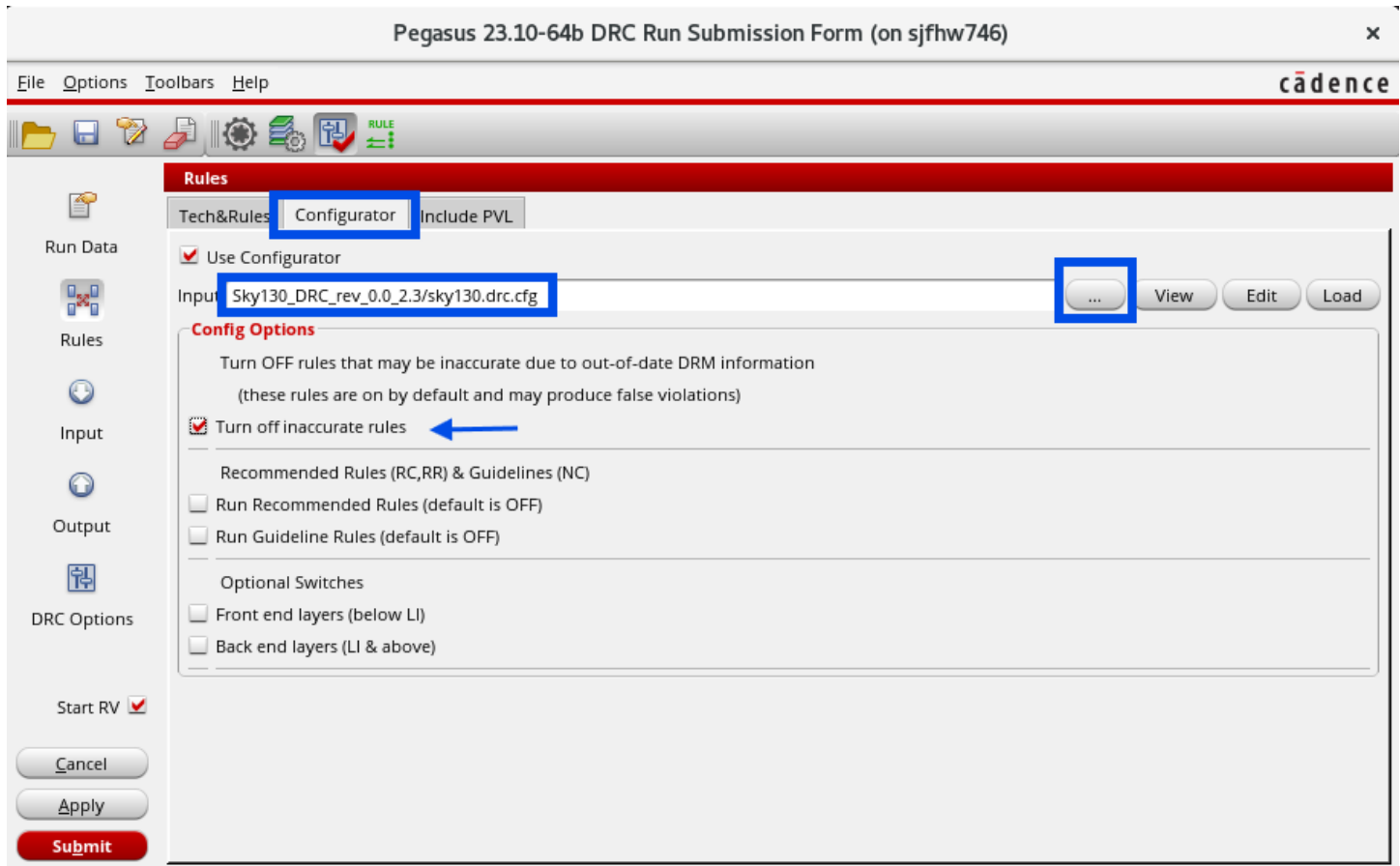- Click "Add…" and load the DRC file:

Configurator File

Configurator file: Sky130_DRC_rev_0.0_2.3/sky130.drc.cfg

The Configurator file works with the primary DRC file to allow rule selection and the setting of switches from the UI.

To load the configurator file, from the Pegasus DRC Run Submission Form:

- Go to the "Rules" tab and then "Configurator"
- Click "..." and load the configurator file:

The Configurator allows the selection of the following switches:

- *Turn off inaccurate rules*: Disables the running of rules that are known to be inaccurate due to out-of-date DRM information; these rules are ON by default.
- *Run Recommended Rules*: Enable the running of Recommended Rules; these are OFF by default.
- *Run Guideline Rules*: Enable the running of Guideline Rules; these are OFF by default.
- *Front end layers*: Selects only rules for layers below LI.
- *Back end layers*: Selects only rules for layers LI and above.

Note: when configurator switches are changed, it may be necessary to reload the rule file; this can be done on the "DRC Options" tab (see next page).

Rule Selector

Rules are organized into groups to allow the selection / deselection of different checks.

To choose rule groups:

- Go to the "DRC Options" tab and then "Rule Selector"
- Each group of rules can be enable / disabled
- "All" or "None" can be selected at the bottom

The form will appear blank after changing Configurator switches; click "Reload Rules" at the bottom of the form.

In the example below, all groups have been turned off except for M1 and M2 (only m1 and m2 rules will be run).