

The purpose of this document is to record what was done to enable **pwrmod** PST models to use the structured global variable **g** and other ‘clean up’ actions taken.

Each paragraph describes the required changes to the PST file.

Initial globals:

```
%% Original globals block condensed into g...  
% power injection variables  
global pwrmod_con n_pwrmod pwrmod_idx  
global pwrmod_p_st dpwrmod_p_st  
global pwrmod_q_st dpwrmod_q_st  
global pwrmod_p_sig pwrmod_q_sig  
global pwrmod_data
```

Modified globals:

```
global g
```

Non-Linear files

handleNewGlobals.m

- Addition of if statement to properly handle ‘legacy’ data inputs

livePlot

- modified to use new global **g.pwr**.

nc_load

- modified to use new global **g.pwr**.

pwrmod__dyn__ORIG

- modified to use new global **g.pwr**.

pwrmod__dyn

- User defined file
- Example cases modified to use new global **g.pwr**.

pwrmod__indx

- modified to use new global **g.pwr**.

pwrmod__p

- removed dummy **f** variable
- modified to use new global **g.pwr**.

pwrmod_q

- removed dummy f variable
- modified to use new global **g.pwr**.

red_ybus

- modified to use new global **g.pwr**.

s_simu_Batch.m

- modified to use new global **g.pwr**. in data init, zero creation, and integration

Linear Specific files

Files ran as a script:

- ns_file
- p_m_file
- p_file
- p_cont

ns_file.m

- modified to use new global **g.pwr**. in counting of states

pwrmod_indx.m

- Appears to be a duplicate of pwrmod_indx.m
- Renamed to pwrmod_indx.OLD
- Calls to pwrmod_indx replaced with calls to pwrmod_indx

p_cont

- modified to use new global **g.pwr**.

p_file

- modified to use new global **g.pwr**.

p_m_file

- modified to use new global **g.pwr**.

svm_mgen_Batch.m

- pwrmod related globals commented out
- modified to use new global **g.pwr**.
- prwm_indx replaced with pwrmod_indx