

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

% added 08/05/20
global pwrmod_p_sigst
global pwrmod_q_sigst
global dpwrmod_p_sigst
global dpwrmod_q_sigst
```

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_idx

- 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