

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**

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**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**

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...

- ...