

The purpose of this document is to record what was done to enable **pss** PST model from version 3 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...
%% pss variables - 21
    global  pss_con pss_pot pss_mb_idx pss_exc_idx
    global  pss1 pss2 pss3 dpss1 dpss2 dpss3 pss_out
    global  pss_idx n_pss pss_sp_idx pss_p_idx;
    global  pss_T  pss_T2 pss_T4 pss_T4_idx
    global  pss_noT4_idx % misspelled in pss_idx as pss_noT4
```

Modified globals:

```
global g
```

Non-Linear files

exc_dc12

- alteration of system globals to use **g.pss** structure

exc_st3

- alteration of system globals to use **g.pss** structure

handleNewGlobals

- alteration of system globals to use **g.pss** structure
- alteration of system globals to use **g.sys.sw_con**
- addition of **pssGainFix**

pss

- alteration of system globals to use **g.pss** and **g.sys** structure
- Revised format of internal function documentation

pss_idx

- Revised format of internal function documentation
- alteration of system globals to use **g.pss** structure

smpexc

- alteration of system globals to use **g.pss** structure

smppi

- alteration of system globals to use **g.pss** structure

s_simu_Batch

- alteration of system globals to use **g.pss** structure
- correction to sdpw* corrector integration

y_switch

- alteration of system globals to use **g.sys.sw_con**

Linear Specific files

Alteration of system globals to use **g.pss** structure

- ns_file
- p_cont
- p_file
- p_m_file
- P_pss
- svm_mgen_Batch