

The purpose of this document is to record what was done to enable **tg** PST models to use the structured global variable **g** and other ‘clean up’ actions taken. Each paragraph describes the required changes the PST file that has anything to do with load modulation.

Initial globals:

```
%% turbine-governor variables
    global  tg_con tg_pot
    global  tg1 tg2 tg3 tg4 tg5 dtg1 dtg2 dtg3 dtg4 dtg5
    global  tg_idx  n_tg tg_sig tgh_idx n_tgh
```

Modified globals:

global g

tg_idx

- properly funtionalized
- rename of function to match file name (from gov_idx)
- addition of ‘new standard’ comments
- prepend **tg** globals with **g.tg**.

handNewGlobals.m

- Addition of if statement to properly handle legacy data inputs

s_simu_Batch.m

- prepened **tg** globals to create proper variables for zero init
- prepened **g.tg**. to predictor corrector integration

tg.m

- removed bus from function input (not used)
- clean up of comments
- addition of **g.tg**. to globals...

mtg_sig.m

- Commented out, but added **g.tg** to proper places

Not Called from s_simu_Batch

Since not called from working example, references to tg not corrected to g

- p_cont
- p_tgt
- p_file
- nm_if
- ns_file
- svm_mgen_Batch