The purpose of this document is to record what was done to enable inductive generators `mac_igen`
in PST 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...
    %% induction genertaor variables - 19
    global  tmig  pig qig vdig vqig  idig iqig igen_con igen_pot
    global  igen_int igbus n_ig
    %states
    global  vdpig vqpig slig
    %dstates
    global dvdpig dvqpig dslig
    % added globals
    global s_igen
```

Modified globals:

```
global g
```

## Non-Linear files

### handleNewGlobals

- Addition of `igen_con` to global g

### i_simu

- Addition to `igen` to global g

### mac_igen

- Updated internal function documentation.

- Addition to `igen` to global g

### red_ybus

- Addition to `igen` to global g

### s_simu_Batch

- Addition to `igen` to global g

**Linear Specific files**

**mac_indx**

- Addition to `igen` to global g

- Apparently, actions taken by this in the non-linear simulation related to induction generators are duplicated somewhere else in the code so that it becomes superfluous. I'd guess the other actions are repetitive and could probably be cleaned up.

Alteration of system globals to use `g.igen` structure:

- svm_mgen_Batch

- ns_file (ran as a script)

- p_m_file (ran as a script)

- p_file (ran as a script)

- p_cont (ran as a script)