Adding Records to Empty StateArray Tables

Some TRIM state array tables are empty, as the module for which they were defined has no state array rules. When a new state array rule is added to such a module, the state array table must be populated with records for all existing setups. As there is no script currently defined to perform this task, a [SAS code](http://aspetrim.urban.org/documentation/technical/CreateDBRecords.txt) has been developed to facilitate the process. Note that the “SAS” extension has been renamed “TXT” so that you can access the file.

The SAS code contains instructions for use, and the instructions are repeated herein, using the NonresidentParent module as an example, as the code was developed specifically for that module.

1. Using a SQL browser such as SQLyog, obtain the list of simulation ID's from the module's national rules table using a SQL command similar to the following one:  
   *select simulationid FROM ctd.NonresidentialParentNational*;
2. Copy all rows to your paste buffer and paste them to an Excel spreadsheet. Save the spreadsheet to your local drive.
3. In the SAS code, modify the range in filename statement as needed to encompass the entire range of simulation IDs in the Excel spreadsheet. Also modify the SAS code’s simulation ID array size to reflect the correct number of unique simulations.
4. Make any other modifications to the SAS code that are required such as:  
   - the name and location of the spreadsheet,  
   - the name and location of the output data file,  
   - the number of sequences required by the new state array rule, and  
   - the default value of the new rule for each sequence.
5. With the Excel file open, execute the SAS code to create the state array records.
6. Use the SQL commands commented out at the end of the SAS code file as a guide for creating and loading a temporary database table and copying the records to that table, then to the CTD rules table.
7. Once the records have been added to the module’s state array table, you can use the “ExpandArrays” script accessible from the ASPE-TRIM website to further expand the table to accommodate additional sequences per state. On the ASPE-TRIM server, the script is located at this address -- <http://trim.urban.org/cgi-bin/cgi_expandarrays.pl>.