**CADSWES Accomplishments: 2017 January**

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**I New/Enhanced Software**

A. Sponsored Tasks

COE-ABQ

Script Enhancements

In February 2017, CADSWES staff further improved the Scripting feature.

The Script Manager was enhanced to support exporting and importing multiple Scripts and Script Groups in a single step, using a single file. Also, a new Script Action, “Set Run Timestep” was created.

The Script Manger’s File->Export menu item now opens an Export Scripts dialog. From this dialog, the user can select the set of Scripts and/or Script Groups to be exported, and can specify the output file. The dialog also allows the user to view the script descriptions prior to deciding if they want to select a particular script for export. Additionally, when selecting a group for export, the scripts within that group are automatically merged with individually selected scripts into a unique set of scripts to be exported. After all selections are made and the output file is specified, clicking the Export button in the Export Scripts dialog will perform the export.

For importing multiple scripts and script groups, the Script Manager’s File->Import menu item is used to specify the file of previously exported scripts and script groups, and to start the import.

Within a model, script names are unique, as are script group names. Thus, during an import operation, there could be name collisions between the imported scripts and script groups and the existing scripts and script groups. These collisions are handled automatically by renaming the imported items in a manner which preserves information regarding their exported names, yet also results in unique names for scripts and for script groups. The user is notified of any name collisions, in case they want to adjust the new item names.

The new “Set Run Timestep” script action can be configured and added to a script’s list of actions via the Script Editor dialog, as with all other script actions. The Set Run Timestep action supports the same configuration options as those found in the Synchronize Timestep Change dialog that opens when using the Run Control dialog to select and apply a new run timestep.