**CADSWES Accomplishments: 2017 January**

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**I New/Enhanced Software**

A. Sponsored Tasks

USACE-ABQ

Script Enhancements: Action Groups

In March 2017, CADSWES staff further improved the Scripting feature of RiverWare. The original requirement was to provide Action Groups that could serve as re-usable sets of actions, where re-entry into an action group would not be permitted.

Instead of implementing a purely organizational grouping of actions, the need for re-usable sets of actions has been better provided by adding a new Script Action, "Execute Script". The actions in the executed script effectively become an "action group" of the Execute Script action. Furthermore, the executed script is also useful by itself, versus having its actions being useful only from within a single "action group". A Script can have multiple Execute Script actions, including more than one action that executes the same script.

LBAO

Enhanced Slot Filtering in Tabular Series Slot Reports

In March 2017, CADSWES staff improved the slot filtering feature of the Tabular Series Slot reports. The reports now have an improved 'Omit slots' behavior for the second radio-button option.  The change in filtering is as follows:

old behavior: omit slots containing only NaNs or zeros (exact value)

new behavior: omit slots containing only NaNs or zeros (displayed value)

The important difference here from previous functionality is that of checking for values that are 'exactly zero' versus values that are 'displayed as zero'.  In other words, the display precision is taken into account when checking for 'zero' values.  The new 'Omit slots' options are now displayed as follows:

   Radio slot-contents condition for

   button   omitting a slot from the report

   ----------------------------------------------------------------------

     1 displaying only NaNs

     2 displaying only NaNs or zeros as values

In addition, a tooltip was also added to the 2nd radio button, which explains its behavior in detail.

LBAO

Slot Usability Enhancement

In March 2017, CADSWES staff improved the usability of the "description" checkboxes used to enable/disable the display of an item description panel.

When the description panel contains a description, the checkbox label text color is black and the font is bold. When the description panel is empty, the text is 85% grey and the font weight is normal. These color and font settings are in effect regardless of whether the display of the description panel is currently enabled.

In addition, when a description exists, a tooltip is added to the checkbox, showing the first 140 characters of the description. If no description exists, there is no tooltip.

This enhancement applies to description toggles in the following dialogs:

* Slot dialogs
* RPL Set dialog - Set Description
* RPL Set dialog - Selected Description
* RPL Function dialog
* RPL Group dialog
* RPL Block dialog