CADSWES Maintenance Accomplishment Report Compilation -- February 2014  
(Edit 3-14-2014, Phil Weinstein).

This compilation includes the (3) individual maintenance accomplishments reports from: Jessica, David, and Phil. Mitch, Bill, Neil, Patrick and Tim indicated that they have no February maintenance accomplishments to report.

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| (II) RiverWare Software Maintenance   1. Releases, Patches and Snapshots 2. Software Updates, Bug fixes (not associated with new development) 3. Development tool improvements; issue tracking software; modelcomp 4. Enhancements or changes to regression tests (not part of development tasks) 5. Download, Install and Release Processes 6. Updates to license software/procedures 7. Updates to download/install/configure user documentation 8. Modification to Web pages for downloads and installs |

**(II.A) Releases, Patches and Snapshots**

The following releases were generated this month:

* RiverWare Patch 6.4.6 -- 2-25-2014. *See below.*
* RiverWare 6.5 Development Snapshots:
  + 2-04-2014
  + 2-12-2014

**RiverWare 6.4.6** was released on February 25, 2014:

The following bugs were fixed:

* 5449: There was a geospatial view background image refresh issue with certain image formats.
* 5450: Under certain conditions, slot order was not maintained on the open object dialog.
* 5455: On the water user, when solving given Diversion, there was an incorrect error constraint.
* 5459: Copy/Paste of a Series Slot with Periodic Input was not working

Water User Method:

On the Water User, a new method was added to the Diversion and Depletion Request category called Specify Scheduled Requests. This method allows you to specify an initial scheduled amount (as either a series or periodic relationship) and then reduce the schedule to the requests. For more information, see section 25.1.1.10 of the Objects section of the help.

Units -- the following units were added:

Length:  
- survey\_ft (US Survey Foot)

Volume:  
- survey\_acreft (US Survey Acre-foot)  
- MCM (Million Cubic Meters)  
- TCM (Thousand Cubic Meters)  
     
Flow:  
- survey\_acreft/day, survey\_acreft/month, survey\_acreft/year  
- MCM/day, MCM/month, MCM/year,  
- TCM/day, TCM/month, TCM/year

**(II.B) Software Updates, Bug fixes (not associated with new development)**

The following old bugs were analyzed and closed without changes:

* Bug 2248: Units need mega, giga, kilo prefixes.
* Bug 2945: Passthrough account solves too often
* Bug 2903: Input Outflow Adjustment methods are no longer needed now that we have physical constraint flags

The following bugs were fixed:

* Bug 5440: Plot page generation does not re-use existing dialog
* Bug 5441: Assertion failure on reload with plot open
* Bug 5449: Geospatial view background image refresh problem with MrSID
* Bug 5450: Slot order is not maintained on open object dialog after renaming slots (on a Data object).
* Bug 5452: Series Slot with Periodic Input having NONE unit type: Auto-width of series column not always sufficient.
* Bug 5453: Slot Type Filter in Slot Selector: TableSeries filter value is including 1x1 Table Slots.
* Bug 5455: Tolerance needed on Water user calculation
* Bug 5459: Series Slot with Periodic Input: Paste into DataObj problem.
* Bug 5460: Unable to Insert a Column in an AggSeries Slot
* Bug 5464: Step Response routing is not working when first coeff is zero.

**(II.C) Development tool improvements; issue tracking software; modelcomp**

None in February 2014.

**(II.D) Enhancements or changes to regression tests (not part of development tasks)**

The regression tests continue to be maintained on a daily basis. This involves updating the regression tests to exercise new developments in the code. Also, as new code is added to the development area, the model comparisons performed in the nightly regression tests usually show differences (for example, because a new method category may have been added). When this occurs, the regression tests need to be updated to reflect the current state of the development area so model comparisons do not fail. In addition, every week, the daily history of each regression test is analyzed to determine if the run time or model size has significantly changed because of new development. In February, the tests were restarted when they failed to work after a power outage.

**(II.E) Download, Install and Release Processes**

* Working with Flexera regarding our support contract not updated in their record. Our record in their “Product and License Center” is correct, but the record in their “Software Customer Community” is not.
* Finished the installation and the configuration of the new InstallShield version “InstallShield 2013” on machine torrent. Worked with Flexera customer support to resolve a few installation issues.
* Converted the current four main IS project files from IS 2012 version to IS 2013 version. Cleaned up and removed the old release build configurations from the new project files. Working on testing the installation of each converted project file.
* Updated the release files (units and RplUnits) to the newer version in all three release file folders for the InstallShield projects files.

**(II.F) Updates to license software/procedures**

* Provided internal license support for development machines and training machines.

**(II.G) Updates to download/install/configure user documentation**

* Finished the update of the Roaming License User Guide. Passed it to Jim Pasquotto for posting on website.
* Started updating the License Server Configuration Guide. Added Table of Content page. Reviewing the entire document and made changes based on the changes since last update.

**(II.H) Modification to Web pages for downloads and installs**

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