



FundSuiteArc Version 2.6.0 Release Notes

ArcReporting 2.6.0

Revised: 9/9/2016



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Release Notes Preface

Release notes provide functional and technical details. This document describes how each enhancement functions within the context of the greater business process. This added level of detail should enable project teams to answer the following questions:

- Why was the change made?
- What out-of-the-box functionality will change?
- How do these changes affect the organization?



Changes to Application Session Login

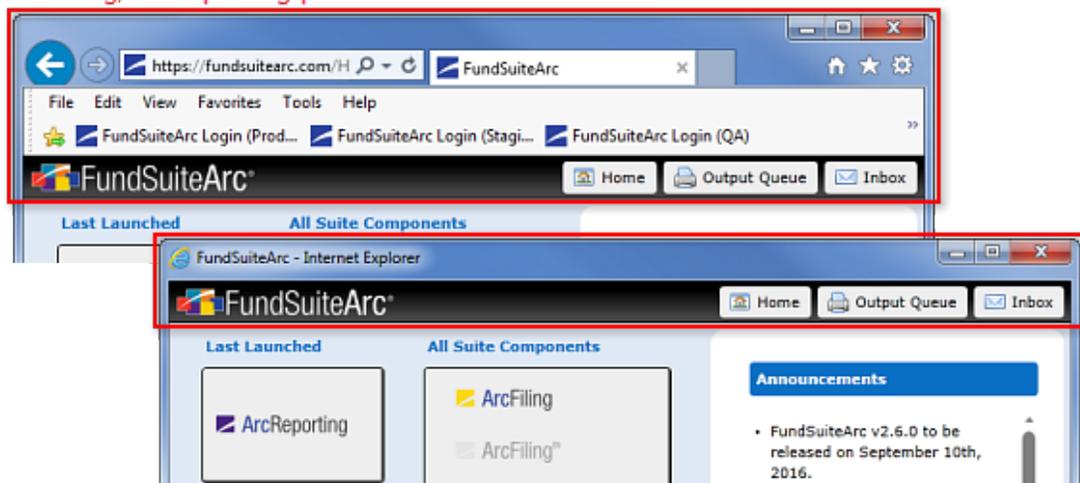
Overview

FundSuiteArc will no longer launch within its own separate browser window. Instead, the application session will open within the same browser tab that contained the FundSuiteArc login page (fundsuitearc.com). This behavior change applies to **all** versions of the application (*i.e.*, 2.6.0, 2.5.0, 2.4.0, 2.3.0, 2.2.0, 2.1.0 and 2.0.0).

What's New

The FundSuiteArc application session will now open within the same browser tab that contained the FundSuiteArc login page (fundsuitearc.com), as opposed to opening in a separate browser window.

ArcFiling/ArcReporting post 2.6.0



ArcFiling/ArcReporting pre 2.6.0

Additional Information

If users wish to make the application the size of their screen, they are advised to press the **F11** key to put the application into full-screen mode.

Process Changes

No changes to current processes are required.



Enhancements Requiring Immediate User Action

No changes in this product release require any immediate action to be carried out by users.



Enhancements Requiring User Decisions

No changes in this product release require any decisions to be made by users.



Important Notes

1. Due to changes in the financial workbook currency calculation engine a number of defects were fixed that affected values within currency-level calculation sheets. As a result, the following behavior will be observed in version 2.6.0:
 - a. Currency-level trial balance sections and items now properly pull the raw value, which was previously always *0.00*. The change now allows users to apply zero suppression to currency-level line items using raw value.
 - b. Currency-level trial balance items' *None/All* value is now the sum of all the currency-specific values. This change makes currency calculation sheets consistent with class calculation sheets.
 - c. Currency-level holdings category items pointing to prior periods are now correctly using the categorization of the prior period, rather than the current period.
 - d. Calculation sheet items pulling other calculation sheet items from prior periods are now correctly pulling the value from the prior period.

- e. For conditional calculation sheet items that return a class calculation sheet item, the **None/All** value will now return the **None/All** class value. Previously, the currency engine would sum the class-level values and return that value.
2. Due to enhancements to trial balance footing logic, when there is a tie between two currency- or class-level balances, footing now correctly selects the largest absolute value number to be footed. This may cause values in **open account periods** to change due to footing adjustments; closed period values will not be affected. See the **Enhancements to trial balance footing logic** section of this document for more information.
3. Due to enhancements to trial balance footing logic, items in **Memo Credit** and **Memo Debit** sections will no longer foot. Consequently, the memo credit and debit section total cell, **Ending Balance (footed)**, will be blank. See the **Enhancements to trial balance footing logic** section of this document for more information.
4. An existing defect was addressed to ensure that when multiple portfolio footnotes are attached to a single statement line item, and any of them have not been previously auto-symbolized (due to their appearance earlier in the statement), the footnotes will display in alpha ascending order based on the **Display Code** from the footnote library. Consequently, existing portfolio statements may contain instances in which the footnote symbol and order of appearance within the statement and footnote legend are changed.
5. Due to changes in application user profile management, when administrators create a new user they are required to enter a valid e-mail address in **<name>@<domain>** format. If a user profile does not have a valid e-mail account specified, the application will not allow the user record to be saved.
 - a. For any user profile that was set up prior to version 2.6.0, but that does not have a valid e-mail address specified, the **Email** field will be appended with **@fundsuitearc.com** upon database update to make it valid.

6. Due to changes in application user profile management, all user profiles within a given database must be unique (*i.e.*, no two profiles can have the same e-mail address specified). If an administrator enters an already-existing e-mail address for a new or existing user profile, he/she will be informed that he/she must enter a unique e-mail address and will not be able to save the user record.
 - a. For any user profile that was set up prior to version 2.6.0 that has a duplicate e-mail address specified, the **Email** field will be appended with *n* upon database update, where *n* is a unique ID.



Release Notes Summary

The following section offers a summary of features included in this product release. More detailed information about each item can be seen in the respective Enhancements section of this document.

1. Enhancements Common to Multiple Products

1. Ability to use "is empty" in conditional formula and item suppression definitions

Users can now trigger specific application behavior based on whether the value of a given data point is empty/not specified. This functionality is available when defining conditional formulas and portfolio statement line item suppression.

2. Project Templates page usability enhancements

The **Contents** tab of the **Project Templates** page was enhanced with improved performance and display options to increase usability.

3. Tabular Data Template Output Settings Audit Report

A Tabular Data Template Output Settings Audit Report was added to FundSuiteArc, which tracks all additions and changes made by users to the output settings for tabular data templates.

4. Portfolio Statement Template Output Settings Audit Report

A Portfolio Statement Template Output Settings Audit Report was added to FundSuiteArc, which tracks all additions and changes made by users to the output settings for portfolio statement templates.

5. Application menu section name changes and library reorganization

The **Libraries** menu section in the **Administration** area was split into two distinct sections that help to group the libraries therein by function. Additionally, a number of menu sections in the **Reporting Workspace** area were renamed to be better aligned with the terminology used by our user base for those areas of the application.

6. Additional user rights and warnings for "Delete" and "Revert" actions

New user rights that govern the ability to delete specific content were added throughout the application. These new user rights provide managers an additional level of granularity for their production teams' roles. Additionally, users will now be warned when deleting or reverting any changes to content that they have effected in the application, ensuring that they understand the consequence of their actions.

7. Issuer Master/Issuer Library updates to support library-level LEIID

Data for the **LEIID** field was stored at the Issuer Master level in previous versions of FundSuiteArc. The **LEIID** field is now located on the **Issuer Libraries** page. The new field location will allow **LEIID** information to be maintained for each individual complex.

2. Enhancements to ArcReporting

1. Zero suppression available for "Total Investments", "Other Assets" and "Net Assets" line items

Users can now suppress *Total Investments*, *Other Assets* and/or *Net Assets* line items via the **Zero Suppress** feature on the **Portfolio Statement Template Output Settings** page.

2. Proofing support of class-level supplemental data items

Support for class-level supplemental data was added in version 2.3.0 of ArcReporting. Certain features were not included at that time, but were subsequently added in version 2.6.0.

3. Ability to allocate composite-level GL journal entries to class level based on a specified methodology

Users can now select one of seven different options to auto-allocate financial workbook journal entries for selected accounts.

4. Option to overwrite account names via General Ledger dataload

The names of accounts contained in a given chart of accounts can now be overwritten via General Ledger FTP dataloads. In prior versions of the application, users could only edit the name of an account by means of manually typing the updated name via the **Charts of Accounts** page.

5. Additional information available in Project Output Validation Report

Three new columns of data were added to the Project Output Validation Report output file, which provide additional information pertaining to any proof checks that are highlighted in the report. Users can manage the display of these data points in the report via a setting on the **System** page of the application.

6. Ability to specify display of classes "Down" for multi-column calculation sheets

When utilizing the **Multiple Rows/Columns (per class)** option for multiple-column calculation sheet setup, users can now opt to display one row per class (similar to *Classes Down* calculation sheets). The Calculation Sheet Audit Report was also updated in conjunction with this functionality.

7. Ability to use "Multiple Columns" calculation sheets for conditional formulas and data point mapping

ArcReporting was enhanced to allow calculation sheets of type *Multiple Columns* to be used in all areas of the application where calculation sheets are available for selection. Users can now also specify which column's data to use when referencing a sheet of type *Multiple Columns*.

8. **Ability to map "Multiple Columns" calculation sheet data to proofs by class and column number**

ArcReporting was enhanced to allow users to reference calculation sheets of type *Multiple Columns* when setting up proofs via the *Proofing and Reasonability Checks* tab of the **Financial Workbook Templates** page. Users now also have the ability to select a specific column, as well as the *Total* column, if it is enabled on the specified multi-column calculation sheet.

9. **Enhanced portfolio footnote load options**

The **Holdings Load Profiles** page and **Holdings Import** dialogue now include a *Footnotes* tab, through which users can control the behavior related to footnote attachments during data load/data import.

10. **Ability to copy financial statement fund assignments within a project template**

Users can now copy the fund assignment from one financial statement to another within a given project template.

11. **Ability to copy financial statement template class assignments within a financial workbook template**

Users can now copy the class assignment from one financial statement template to another within a given financial workbook template.

12. **Financial Statement Template Output Settings Audit Report**

A Financial Statement Template Output Settings Audit Report was added to ArcReporting, which tracks all additions and changes made by users to the output settings for financial statement templates.

13. **Enhancements to management of financial workbook assigned footnotes**

The **Assigned Footnotes** dialogue, accessed via the *Footnotes* tab of the **Financial Workbook** page, was enhanced to provide users with options to filter the listing of assigned footnotes based on the fund specified in the fund selection bar.

14. **Enhancements to trial balance footing logic**

Financial workbook footing logic for trial balances was enhanced to account for situations when two or more line items have the same value and/or sort order.

15. **Enhancements to integration between ArcReporting and ArcProspectus products**

FundSuiteArc workflow functionality was further enhanced to allow for more integration between the ArcReporting and ArcProspectus products. In connection with the improvements to ArcReporting detailed

here, certain features in ArcProspectus were also enhanced to allow for publishing of documents from ArcReporting and linking directly to instances of ArcReporting projects.

16. Enhanced support for custom tags in project components

The ability to insert custom tags in the output settings mapping grids for portfolio statements, financial statements and tabular data tables was introduced with the release of ArcReporting version 2.5.0.

Enhancements were made in version 2.6.0 to accommodate custom tags when exporting, importing, linking, unlinking and copying within the component tables via the **Project** page.

17. Enhancements to financial workbook multi-user calculation behavior

New functionality was implemented with respect to the calculation status of financial workbooks. Now, when two or more users are working within the same financial workbook, each will be notified of any changes made by other editing users after they calculate the workbook.



Enhancements Common to Multiple Products

The following section lists enhancements in this product release that are common across multiple FundSuiteArc products.

1. Ability to use "is empty" in conditional formula and item suppression definitions

DFS ID: 54209

Overview

Users can now trigger specific application behavior based on whether the value of a given data point is empty/not specified. This functionality is available when defining conditional formulas and portfolio statement line item suppression.

What's New

An *empty/null* selection was added to the *Operator* and *Condition* drop-down lists, respectively, on the **Add/Edit Conditional Formula Element** and **Edit Item Suppression** dialogues.

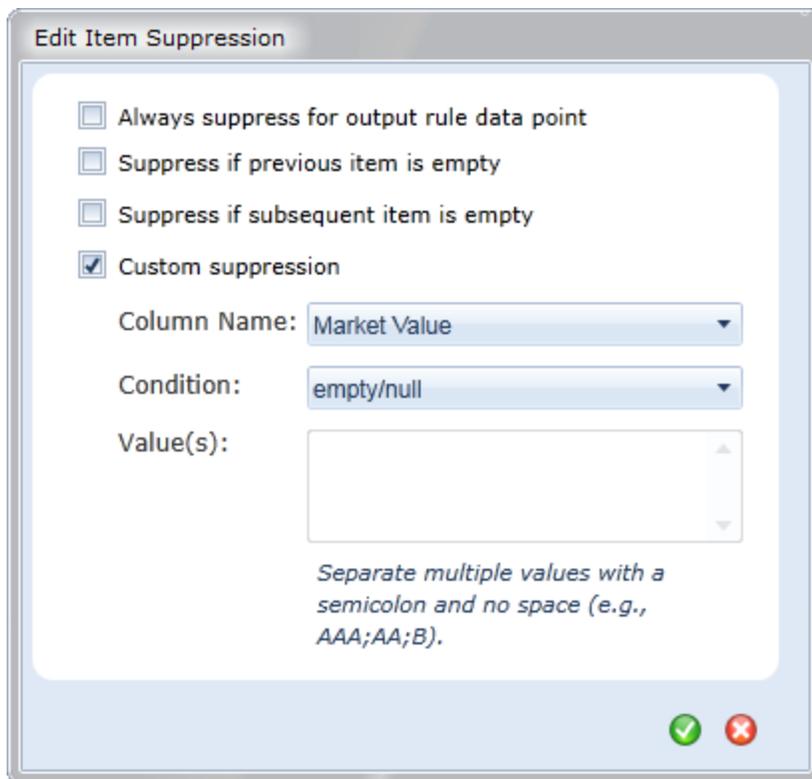
1. The **Add/Edit Conditional Formula Element** dialogue can be invoked from the following application locations:

The screenshot shows a dialog box titled "Add/Edit Conditional Formula Element". It contains the following fields and values:

- *Name:** Attribute value check
- *Required:** (checkbox)
- Formula:**
 - If:** Attribute
 - Operator:** empty/null
 - Value:** (empty text box)
 - Return Type:** True
 - Return Value:** I have no attribute value!

At the bottom right of the dialog, there are two icons: a green checkmark and a red X.

- a. **Custom Data Point Libraries** page (when adding or editing a custom data point of type *Conditional Value*)
 - b. **Footnote Libraries - General Ledger** page (when inserting a data point of type *Conditional Value* in a given footnote, or when defining conditional display settings for the footnote itself)
 - c. **Footnote Libraries - Holdings** page (when inserting a data point of type *Conditional Value* in a given footnote, or when defining conditional display settings for the footnote itself)
 - d. **Project Templates** page (when defining conditional display settings for a given project template item)
 - e. **Text Libraries** page (when inserting a data point of type *Conditional Value* in a given text snippet)
2. The **Edit Item Suppression** dialogue is invoked via the *Format Items* tab of the **Portfolio Statement Template Output Settings** page.



Edit Item Suppression

Always suppress for output rule data point
 Suppress if previous item is empty
 Suppress if subsequent item is empty
 Custom suppression

Column Name:

Condition:

Value(s):

Separate multiple values with a semicolon and no space (e.g., AAA;AA;B).

3. The *empty/null* condition for a given definition evaluates as *true* under different circumstances, dependent on the data type of the specified *If* or *Column Name* field, as detailed below:
 - a. For operands of type *Boolean*, the condition evaluates to *true* if the value of the specified field is *False*.
 - b. For operands of type *Date*, the condition evaluates to *true* if the value of the specified field is empty.
 - c. For operands of type *Numeric*, the condition evaluates to *true* if the value of the specified field is empty or zero (if a value is required).
 - d. For operands of type *Text*, the condition evaluates to *true* if the value of the specified field is empty.

Additional Information

- The existing *Value* or *Item* control (and associated *Edit* button, as applicable) on the **Add/Edit Conditional Formula Element** dialogue is disabled if *empty/null* is the specified *Operator* drop-down list selection.
- The existing *Value(s)* text box on the **Edit Item Suppression** dialogue is disabled if *empty/null* is the specified *Condition* drop-down list selection.

Process Changes

No changes to current processes are required.

2. Project Templates page usability enhancements

DFS ID: 99370

Overview

The **Contents** tab of the **Project Templates** page was enhanced with improved performance and display options to increase usability.

What's New

1. Behavior of the tree view on the **Contents** tab of the **Project Templates** page was modified to display all nodes when the tab is initially opened.
 - a. By default, no particular tree view node is selected when the tab is initially opened; the details of any given node will only load/be displayed when the user selects that node in the tree view.
2. A series of buttons was added at lower-left of the **Contents** tab on the **Project Templates** page:
 - a. **Collapse all**
 - i. Clicking the button collapses all items within the tree view.
 - b. **Expand all**
 - i. Clicking the button expands all items within the tree view.
 - c. **Expand selected node and all child nodes**
 - i. Clicking the button expands the currently-selected node, as well as all of its child node items within the tree view.

Process Changes

No changes to current processes are required.

3. Tabular Data Template Output Settings Audit Report

DFS ID: 112750

Overview

A Tabular Data Template Output Settings Audit Report was added to FundSuiteArc, which tracks all additions and changes made by users to the output settings for tabular data templates.

What's New

A **Tabular Data Template Output Settings Audit Report** page was added to ArcReporting, through which users can generate a listing of all changes made to tabular data statement template output settings associated with a given complex. The report is accessed via a new menu item of the same name, under the **Reports** menu section on the **Administration** tab.

Note:

The new *Open Tabular Data Template Output Settings Audit Report Page (ArcReporting)* user right is required to open the **Tabular Data Template Output Settings Audit Report** page (the *Tabular Data Template Output Settings Audit Report* menu item is disabled if the right is not assigned to the current user).

1. Users can narrow report results by any of the following filters in the **Report Result Filters** section at the top of the page:
 - a. **Complex**
 - i. The drop-down list contains all complexes to which the current user has access, and the selection defaults to the first complex (alphabetically) in the list.
 - b. **Tabular Data Template**
 - i. The drop-down list contains all the tabular data templates that were created in association with the specified complex.
 - c. **Editing User**
 - i. The drop-down list contains all the users in the Users library.
 - d. **From Date** and **To Date**

2. The report will track all changes made to the output settings of a given tabular data template since the database update to version 2.6.0.

Process Changes

No changes to current processes are required.



[Demonstration video](#)

4. Portfolio Statement Template Output Settings Audit Report

DFS ID: 112752

Overview

A Portfolio Statement Template Output Settings Audit Report was added to FundSuiteArc, which tracks all additions and changes made by users to the output settings for portfolio statement templates.

What's New

A **Portfolio Statement Template Output Settings Audit Report** page was added to ArcReporting, through which users can generate a listing of all changes made to portfolio statement template output settings associated with a given complex. The report is accessed via a new menu item of the same name, under the **Reports** menu section on the **Administration** tab.

Note:

The new *Open Portfolio Statement Template Output Settings Audit Report Page (ArcReporting)* user right is required to open the **Portfolio Statement Template Output Settings Audit Report** page (the *Portfolio Statement Template Output Settings Audit Report* menu item is disabled if the right is not assigned to the current user).

1. Users can narrow report results by any of the following filters in the **Report Result Filters** section at the top of the page:
 - a. **Complex**
 - i. The drop-down list contains all complexes to which the current user has access, and the selection defaults to the first complex (alphabetically) in the list.
 - b. **Portfolio Statement Template**
 - i. The drop-down list contains all the portfolio statement templates that were created in association with the specified complex.
 - c. **Editing User**
 - i. The drop-down list contains all the users in the Users library.
 - d. **From Date** and **To Date**

2. The report will track all changes made to the output settings of a given portfolio statement template since the database update to version 2.6.0.

Process Changes

No changes to current processes are required.



[Demonstration video](#)

5. Application menu section name changes and library reorganization

DFS ID: 134292

Overview

The **Libraries** menu section in the **Administration** area was split into two distinct sections that help to group the libraries therein by function. Additionally, a number of menu sections in the **Reporting Workspace** area were renamed to be better aligned with the terminology used by our user base for those areas of the application.

What's New

1. The following menu sections on the **Reporting Workspace** tab of ArcReporting were renamed:
 - a. *General Ledger* is now called *Financials*
 - b. *Holdings* is now called *Portfolio*
 - c. *Notes* is now called *Text*
2. The **Libraries** menu section on the **Administration** tab of ArcReporting was renamed **Reporting Libraries**.
3. The following items were moved from the formerly-named **Libraries** menu section on the **Administration** tab of ArcReporting to a new **Output Libraries** menu section:
 - a. *Cell Styles*
 - b. *Chart Templates*
 - c. *Custom Data Point Libraries*
 - d. *Custom Tags*
 - e. *Footnote Pattern Libraries*
 - f. *Image Libraries*
 - g. *Paragraph Styles*
 - h. *Renditions*

- i. *Style Sheets*
- j. *Table Styles*

Process Changes

No changes to current processes are required.

6. Additional user rights and warnings for "Delete" and "Revert" actions

DFS ID: 134292

Overview

New user rights that govern the ability to delete specific content were added throughout the application. These new user rights provide managers an additional level of granularity for their production teams' roles. Additionally, users will now be warned when deleting or reverting any changes to content that they have effected in the application, ensuring that they understand the consequence of their actions.

What's New

1. A standard warning message now displays when a user attempts to revert changes made to content/data on a given application page.
 - a. When a user clicks the **Revert** button, the following message is displayed in a pop-up dialogue:

Would you like to revert the last change made?

 - i. Clicking the **Yes** button on the dialogue causes the dialogue to close, and for the last change made by the user to be undone.
 - ii. Clicking the **No** button on the dialogue causes the dialogue to close, and for the page to remain in an unsaved state.
2. The following user rights were added to ArcReporting to govern the deletion of existing templates; for any user not assigned these rights, the **Delete** button will be disabled on the respective application page:
 - a. *Delete Chart Templates*
 - b. *Delete Shared Legend Templates*
3. Logic for a number of application pages was updated to ensure that users with appropriate rights receive a warning message on attempt to delete a record from a given page.
 - a. When a user clicks the **Delete** button, the following message is displayed in a pop-up dialogue:

Are you sure you wish to delete the selected [item]?

- i. Clicking the **Yes** button on the dialogue causes the dialogue to close, and for the selected item to be deleted.
 - ii. Clicking the **No** button on the dialogue causes the dialogue to close, and for no action to be taken (*i.e.*, the item is not deleted).
- b. The following pages were included in this update:
 - i. ArcReporting
 - A. **Chart Templates**
 - B. **Document Structure Templates**
 - C. **Financial Workbook Templates**
 - D. **Portfolio Statement Templates**
 - E. **Project Templates**
 - F. **Shared Legend Templates**
 - G. **Tabular Data Templates**

Process Changes

Managers are advised to review their teams' deletion rights and apply the rights where necessary.

7. Issuer Master/Issuer Library updates to support library-level LEIID

DFS ID: 135206

Overview

Data for the **LEIID** field was stored at the Issuer Master level in previous versions of FundSuiteArc. The **LEIID** field is now located on the **Issuer Libraries** page. The new field location will allow **LEIID** information to be maintained for each individual complex.

What's New

The **LEIID** field was removed from the **Issuer Master** page and now appears on the **Issuer Libraries** page.

Note:

Existing **LEIID** information will be migrated from **Issuer Master** to **Issuer Libraries** upon database update to version 2.6.0.

1. The **LEIID** field now exists at the account period level and follows existing issuer/caption rollforward logic.
2. The fund holdings **LEIID** field (Item C.4 - LEIID) now draws its value from the Issuer Libraries **LEIID** field.
3. The repo holdings collateral **LEIID** field (Item C.8.c - LEIID) now draws its value from the Issuer Libraries **LEIID** field.
4. Logic in the Repo Collateral Information data import/dataload was updated to ensure that blank **LEIID** values for existing holdings collateral records are populated with the contents of load file, when the **Import New Records and Overwrite Existing Records** option is selected.

Process Changes

No changes to current processes are required.



[Demonstration video](#)



Enhancements to ArcReporting

The following section lists enhancements in this product release that pertain specifically to the ArcReporting product.

1. Zero suppression available for "Total Investments", "Other Assets" and "Net Assets" line items

DFS ID: 49041

Overview

Users can now suppress *Total Investments*, *Other Assets* and/or *Net Assets* line items via the **Zero Suppress** feature on the **Portfolio Statement Template Output Settings** page.

What's New

1. The **Suppression** tab on the **Portfolio Statement Template Output Settings** page is now enabled for statement tree view nodes of type *Net Assets*, *Other Assets* and *Total Investments*.



The screenshot shows a software interface with a tabbed menu at the top containing 'Data Points', 'Literals', 'Format Items', and 'Suppression'. The 'Suppression' tab is active and highlighted in yellow. Below the tabs, there is a section titled 'Zero Suppression' with a yellow background. Under this section, there is a checked checkbox labeled 'Zero Suppress'. Below the checkbox are two dropdown menus: 'Based On:' with 'Market Value' selected, and 'Value Type:' with 'Footed' selected.

- a. The user can enable suppression by selecting **Zero Suppress** check box.
 - b. The user specifies the field on which to base the suppression via the **Based On** drop-down list.
 - c. The user indicates that either the **Raw**, **Rounded**, or **Footed** field value be used in the evaluation by means of the **Value Type** drop-down list.
2. The Portfolio Statement Template Output Settings Audit Report will accommodate suppression settings for *Net Assets*, *Other Assets* and *Total Investments* line items by returning the audit details when these settings have been changed.

Process Changes

No changes to current processes are required.



[Demonstration video](#)

2. Proofing support of class-level supplemental data items

DFS ID: 99381

Overview

Support for class-level supplemental data was added in version 2.3.0 of ArcReporting. Certain features were not included at that time, but were subsequently added in version 2.6.0.

What's New

1. The **Base Class** link in the grid of the **Proofing and Reasonability Checks** tab on the **Financial Workbook Templates** page was enabled for mapped supplemental data items.
 - a. The link is disabled for fund-level supplemental data points.
 - b. When users add a supplemental data item, the selection defaults to *None/All*.
2. All class-level supplemental data points within proofs can be viewed in the grid on the **Proofing** tab of the **Financial Workbook** page.
3. All class-level supplemental data points within proofs can be viewed in the grid on the **Supporting Schedules** tab of the **Project** page.

Process Changes

No changes to current processes are required.

3. Ability to allocate composite-level GL journal entries to class level based on a specified methodology

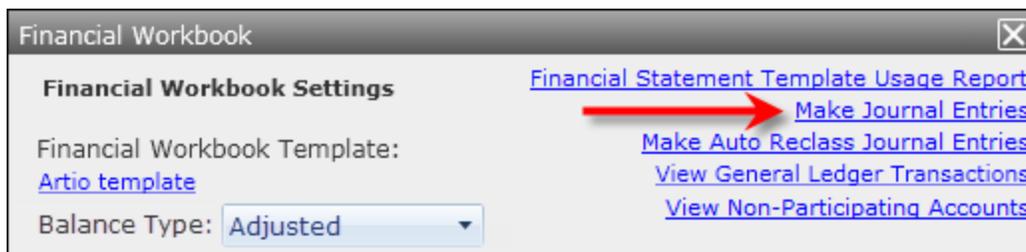
DFS ID: 100321

Overview

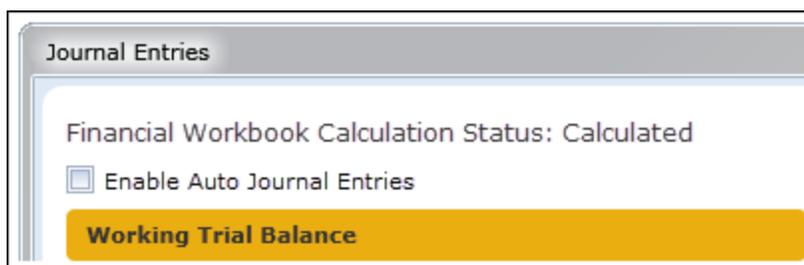
Users can now select one of seven different options to auto-allocate financial workbook journal entries for selected accounts.

What's New

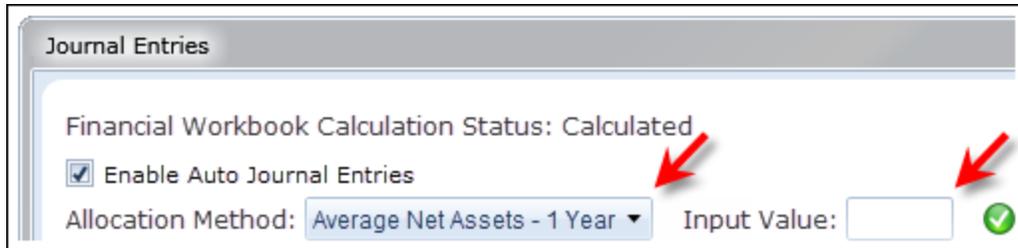
1. The link at upper-right of the **Financial Workbook** page formerly labeled *Make Manual Journal Entries* was changed to *Make Journal Entries*.



2. An *Enable Auto Journal Entries* check box option was added to the **Journal Entries** dialogue (invoked via the *Make Journal Entries* link). Selecting the option allows the user to employ new auto-journal functionality.



- a. When the check box is selected, an *Allocation Method* drop-down list and an *Input Value* text box display.



- b. The **Allocation Method** drop-down list offers the following seven options from which the user may choose:
- i. *Average Net Assets - 1 Year* (default selection)
 - A. This option is based on the class balance data point *Average Net Assets - 1 Year*.
 - B. Each class is used as the numerator to determine that class' pro-rata portion.
 - C. The sum of all the classes will equal the denominator.
 - ii. *Average Net Assets - 6 Months*
 - A. This option is based on the class balance data point *Average Net Assets - 6 Months*.
 - B. Each class is used as the numerator to determine that class' pro-rata portion.
 - C. The sum of all the classes will equal the denominator.
 - iii. *Average Shares Outstanding*
 - A. This option is based on the class balance data point *Average Shares Outstanding*.
 - B. Each class is used as the numerator to determine that class' pro-rata portion.
 - C. The sum of all the classes will equal the denominator.
 - iv. *Ending Net Assets*
 - A. This option is based on the class balance data point *Net Assets of the Class*.
 - B. Each class is used as the numerator to determine that class' pro-rata portion.
 - C. The sum of all the classes will equal the denominator.

v. *Gross Income*

- A. This option is based on the *Total Income* section total line on the working trial balance tab.
- B. The numerator for each class is based on the *Total Income* section total line from each class-specific trial balance.
- C. The denominator is based on the *Total Income* section total line from the *None/All* trial balance.
- D. The numerator and denominator will use the *Ending Balance (Raw)* value when computing the pro-rata portion for each class.

vi. *Gross Expenses*

- A. This option is based on the *Total Expenses* section total line on the working trial balance tab.
- B. The numerator for each class is based on the *Total Expenses* section total line from each class-specific trial balance.
- C. The denominator is based on the *Total Expenses* section total line from the *None/All* trial balance.
- D. The numerator and denominator will use the *Ending Balance (Raw)* value when computing the pro-rata portion for each class.

vii. *Net Investment Income*

- A. This option is based on the *Net Investment Income* section total line on the working trial balance tab.
- B. The numerator for each class is based on the *Net Investment Income* section total line from each class-specific trial balance.
- C. The denominator is based on the *Net Investment Income* section total line from the *None/All* trial balance.
- D. The numerator and denominator will use the *Ending Balance (Raw)* value when computing the pro-rata portion for each class.

Note:

If the user selects an allocation method that contains both a fund-level account and class-level account and he/she is making journal entries to fund-level accounts, the percentages displayed and used in the allocation will only be based on the total class-level account balances.

- c. Users will continue to be able to drag and drop accounts into the *Debit* and *Credit* sections of the dialogue.
 - i. Only one account can be added to both the *Debit* and *Credit* sections.
 - ii. Currency accounts are not available for auto journal entries.
- d. The user enters the value he/she wishes to allocate to the selected accounts in the *Input Value* text box. This value will be used for both the *Debit* and *Credit* entry.
 - i. After inputting the value, the user clicks the *Allocate* button (✔) to allocate the amount entered, according to the specified allocation method.
 - A. The percentage used to allocate the pro-rata portion of the input value to each class account will display in the new *Allocation* column of the journal entry grid.
 - B. If the class account contains a zero balance for the specified allocation method, a *0%* value will be returned.
 - C. A value will be returned for each class account in the grid along with a *Total Debits* and *Total Credits* line.
 - 1. If the sum of the class-level accounts does not equal the specified *Input Value*, the text *Allocation Issue* will display in red next to the *Allocate* button.

Input Value: ✔ Allocation issue

Debit				
		Account/Class/Currency	Allocation	Value
>	✘	Advisor Class (600.7050.1)	3.93%	3.93
	✘	Class A (600.7050.A)	72.36%	72.36
	✘	Class B (600.7050.B)	4.75%	4.75
	✘	Class C (600.7050.C)	17.18%	17.18
	✘	Class R (600.7050.R)	1.79%	1.79
Total Debits:				100.01

Credit				
		Account/Class/Currency	Allocation	Value
>	✘	Advisor Class (600.7050.1)	3.93%	3.93
	✘	Class A (600.7050.A)	72.36%	72.36
	✘	Class B (600.7050.B)	4.75%	4.75
	✘	Class C (600.7050.C)	17.18%	17.18
	✘	Class R (600.7050.R)	1.79%	1.79
Total Credits:				100.01

- a. In this case, the user must manually change one of the class accounts in order to get the total lines to match the **Input Value** and resolve the allocation issue.
- D. If a user drags a fund-level account to either the debit or credit section, the allocation percentage returned will be **100%**.
3. A **Financial Workbook Calculation Status** label was added to the **Journal Entries** dialogue, whose value indicates to the user whether or not the current financial workbook is in a **Calculated** or **Not Calculated** state when making the journal entry.

4. The grid of the **General Ledger Transactions** page was enhanced to capture information for transactions effected by means of the new auto-allocation functionality on the **Financial Workbook** page.
 - a. When a user creates a journal entry through the automated functionality, *Auto Entry* populates the **Transaction Source** column of the grid.
 - b. An **Allocation Method** was added to the grid.
 - i. When a user creates a journal entry through the automated functionality, the allocation method used for the entry displays in this column.

Process Changes

No changes to current processes are required.



[Demonstration video](#)

4. Option to overwrite account names via General Ledger dataload

DFS ID: 100452

Overview

The names of accounts contained in a given chart of accounts can now be overwritten via General Ledger FTP dataloads. In prior versions of the application, users could only edit the name of an account by means of manually typing the updated name via the **Charts of Accounts** page.

What's New

Users can now trigger an account name overwrite using a new "GLAccountNameOption" parameter in the General Ledger dataload profile.

1. This parameter is compatible with General Ledger loads created by both standard and custom pre-processors.
 - a. Syntax: `<Parameter name="GLAccountNameOption" value="Overwrite" />`
2. Specifying a **value** value of **Overwrite** causes the names of accounts that already exist in the chart of accounts to be updated with the account names provided in the data source file.
 - a. The order of events for all overwrites is as follows:
 - i. The contents of the load file are ordered by **FundCode** (ascending), then by **GLCode** (ascending).
 - ii. The load occurs from the first row to the last, after the sort.
 - iii. The caption for any given account written to the chart of accounts is the last row (in occurrence, based on the sort) within the load file.
3. When this parameter is employed for a given load, the following message is displayed in a row of the grid on the **Errors/Warnings/Info** tab of the **Archive Details** page:

WARNING: This General Ledger dataload was carried out with the 'account name' override turned on. Account records contained within the '<NameOfChartOfAccounts>' chart of account will be updated to reflect the respective account names specified in the load file.

Note:

If multiple funds which use different charts of accounts are contained in a given load, one message is displayed per affected chart of accounts.

4. Leaving the *value* value blank (or omitting the parameter element altogether) causes that the names of accounts that already exist in the chart of accounts remain unchanged (*i.e.*, they are not overwritten with names in the data source file).
 - a. This is the default behavior after database update.

Additional Information

This new parameter can be used in both custom and native data load pre-processors.

Process Changes

No changes to current processes are required.



[Demonstration video](#)

5. Additional information available in Project Output Validation Report

DFS ID: 101561

Overview

Three new columns of data were added to the Project Output Validation Report output file, which provide additional information pertaining to any proof checks that are highlighted in the report. Users can manage the display of these data points in the report via a setting on the **System** page of the application.

What's New

A new **AdvancedProjectOutputValidationTagging** setting was added to the **System** page in the **Environment Administration** area to enable the population of three new columns in the Project Output Validation Report.

1. This setting provides users the option to not avail of these new columns, if any associated performance issues should occur in the project preview, due to XML changes to support the content of the new columns.
2. If the **AdvancedProjectOutputValidationTagging** system setting has a value of **True**, the following report columns will be populated as indicated below:
 - a. For all portfolio and financial statements, a new **Fund Code** column will be seen in the XLS output file. This will be populated with the code of the fund that has the proofing issue.
 - b. For all portfolio and financial statements, a new **Statement Template** column will be seen in the XLS output file. This will be populated with the name of the portfolio/financial statement template that has the proofing issue.

Note:

If there are multiple tables within one template, each will be populated with the same value.

- c. For all financial statements, a new **Statement Section** column will be seen in the XLS output file. This will be populated with the name of the calculation sheet, trial balance or custom section that has the proofing issue.

Note:

The original name of the affected section will be taken; not the caption seen on output, which may differ.

- d. For all portfolio statements, a new **Statement Section** column will be seen in the XLS output file. This will be populated with the name of the category, *Total Investments*, *Net Assets* or *Other Assets* line item that has the proofing issue.
3. If the **AdvancedProjectOutputValidationTagging** system setting has a value of *False*, users will still see the above-mentioned new columns, however they will always be empty/blank in the XLS output file.

Process Changes

No changes to current processes are required.



[Demonstration video](#)

6. Ability to specify display of classes "Down" for multi-column calculation sheets

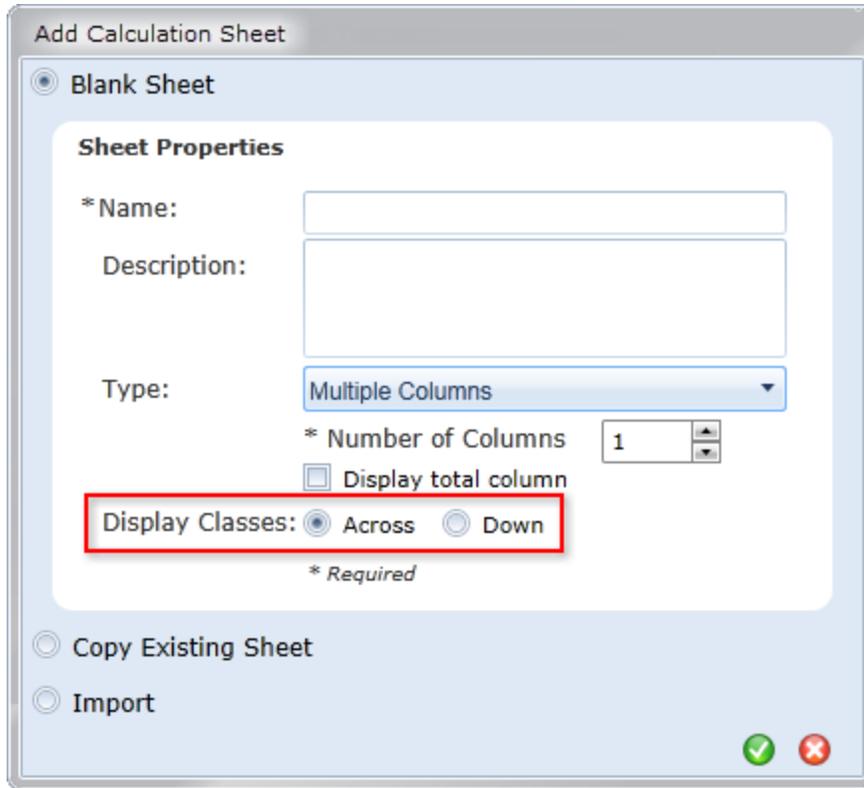
DFS ID: 109567

Overview

When utilizing the **Multiple Rows/Columns (per class)** option for multiple-column calculation sheet setup, users can now opt to display one row per class (similar to **Classes Down** calculation sheets). The Calculation Sheet Audit Report was also updated in conjunction with this functionality.

What's New

1. When creating a calculation sheet of type **Multiple Columns** via the **Calculation Sheets** tab of the **Financial Workbook Templates** page, users have a new **Display Classes** option, for which they may specify a direction of either **Across** or **Down**.



- a. If a user specifies *Across* (the default selection), a column will be displayed for each class in project output, as it does in previous versions of ArcReporting.
 - b. If a user specifies *Down*, a row will be displayed for each class in project output.
 - c. Once a user specifies a display option and saves the calculation sheet settings, they cannot subsequently change the option at the calculation sheet level.
2. A **Class** column was added to the **Calculations Sheets** tab of the **Financial Workbook** page, for calculation sheets of type *Multiple Columns*.
 - a. A row for each class is displayed for each column that has the **Multiple Rows/Columns (per class)** option specified, along with a *None/All* row.

- b. If a user maps a fund-level item for a specific column, the value will be displayed in the *None/All* row only.

Supplemental Data Calculation Sheets Financials Proofing Reasonability Checks Footnotes Histo					
Sheet: Multi Column Classes Down		Edit Sheet	Rounding: Calculation Sheet Item Rounding		
Name	Class	Column 1	Column 2	Column 3	
Class Data Point	None/All				
Class and Fund Balance	Advisor Class	76,535,502	88,207,767		
Class and Fund Balance	Class A	766,721,973	1,625,366,089		
Class and Fund Balance	Class B	3,034,209	106,590,323		
Class and Fund Balance	Class C	156,435,257	385,911,543		
Class and Fund Balance	Class R	17,532,496	40,172,023		
Class and Fund Balance	None/All	1,020,259,437	2,246,247,745	(699,247)	

3. The Calculation Sheet Audit Report was enhanced to capture the new *Display Classes* functionality.
- a. *Display Classes* was added as a possible value in the *Sub Type* column of the report, when the *Audit Type* of the audit record is *Calculation Sheet Setup* and the *Action Type* is *Add Calculation Sheet*. The *After* column of the report displays either *Across* or *Down* for such records, dependent on the selection specified for the calculation sheet.

Process Changes

No changes to current processes are required.

 [Demonstration video](#)

7. Ability to use "Multiple Columns" calculation sheets for conditional formulas and data point mapping

DFS ID: 109569

Overview

ArcReporting was enhanced to allow calculation sheets of type *Multiple Columns* to be used in all areas of the application where calculation sheets are available for selection. Users can now also specify which column's data to use when referencing a sheet of type *Multiple Columns*.

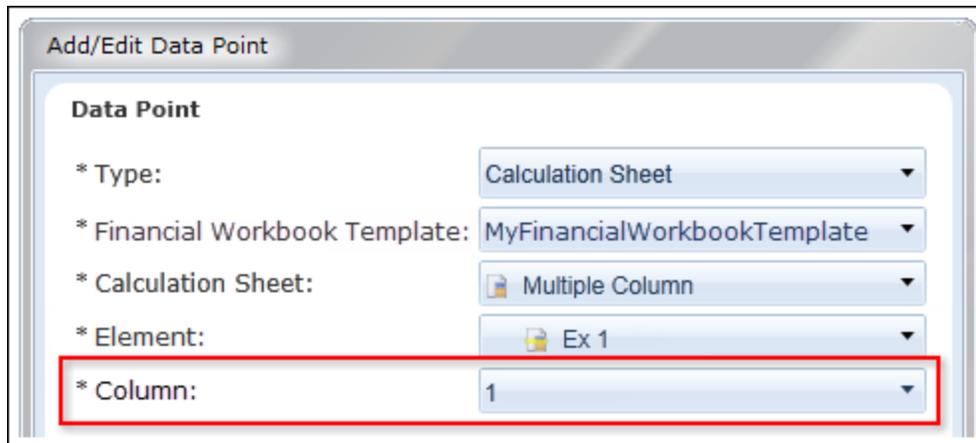
What's New

Calculation sheets of type *Multiple Columns* are now available for selection in the following areas of ArcReporting:

1. **Financial Workbook Templates** page
 - a. **Calculation Sheets** tab
 - i. *Financial Workbook* or *Conditional Value* calculation sheet item type
 - b. **Proofing and Reasonability Checks** tab
 - i. *Reasonability Checks*
2. **Financial Statement Template Output Settings** page
 - a. **Suppression** tab
 - i. **Advanced Suppression**
3. **Project Templates** page
 - a. **Contents** tab
 - i. **Suppression** sub-tab
 - A. **Advanced Suppression**

4. **Custom Data Points Library, Text Libraries, Footnote Libraries - Holdings and Footnote Libraries - General Ledger** pages
 - a. Insert Data Point
 - i. *Calculation Sheet* or *Conditional Value* type
5. **Portfolio Statement Templates** page
 - a. *Statement Detail* tab
 - i. *Other Assets* item
 - A. *Pull value from Financial Workbook*

Users will be able to specify calculation sheets of type *Multiple Columns* from the *Calculation Sheet* drop-down list, as well as designate the column whose data will be used via the new *Column* drop-down list.



Additional Information

Where applicable, the existing *Base Class* drop-down list was moved from the *Format Items* section of the **Add/Edit Data Point** dialogue to the *Data Point* section to make the selection more user-friendly.

Process Changes

No changes to current processes are required.

 [Demonstration video](#)

8. Ability to map "Multiple Columns" calculation sheet data to proofs by class and column number

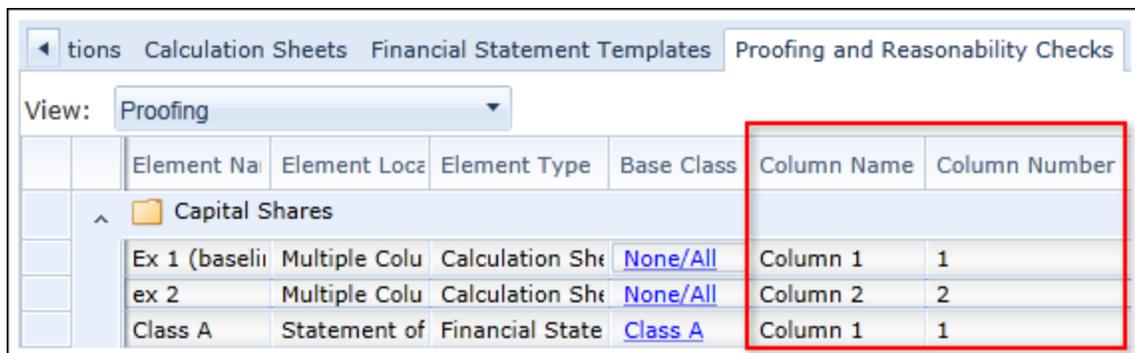
DFS ID: 109570

Overview

ArcReporting was enhanced to allow users to reference calculation sheets of type *Multiple Columns* when setting up proofs via the *Proofing and Reasonability Checks* tab of the **Financial Workbook Templates** page. Users now also have the ability to select a specific column, as well as the *Total* column, if it is enabled on the specified multi-column calculation sheet.

What's New

1. *Column Name* and *Column Number* columns were added to the grid on the *Proofing and Reasonability Checks* tab of the **Financial Workbook Templates** page to help users identify and select which column to use when creating a given proof in the *Proofing* view.



Element Name	Element Location	Element Type	Base Class	Column Name	Column Number
Capital Shares					
Ex 1 (baseline)	Multiple Columns	Calculation Sheet	None/All	Column 1	1
ex 2	Multiple Columns	Calculation Sheet	None/All	Column 2	2
Class A	Statement of Financial State		Class A	Column 1	1

- a. When users select a calculation sheet of type *Multiple Columns* from the pane at right of the tab and drag it into a proof, the *Column Name* and *Column Number* columns will automatically be populated with the appropriate values.
- b. As applicable, users can select a specific class via the hyperlink in the *Base Class* column.

- c. If the multi-column calculation sheet selected has the **Total** column enabled, users have the option to map it into the proof, as well.

Note:

If **Total** is the specified **Column** selection, the **Base Class** hyperlink will be disabled and display **None/All**.

2. **Column Name** and **Column Number** columns were added to the grid on the **Proofing** tab of the **Financial Workbook** page to accommodate calculation sheets of type **Multiple Columns**.

Process Changes

No changes to current processes are required.



[Demonstration video](#)

9. Enhanced portfolio footnote load options

DFS ID: 110222

Overview

The **Holdings Load Profiles** page and **Holdings Import** dialogue now include a **Footnotes** tab, through which users can control the behavior related to footnote attachments during dataload/data import.

What's New

1. Holdings dataload/data import logic was enhanced to ensure that **FootnoteApplyTo** values can be provided in a load file in any case, and still attach the footnote to the designated field.
2. A **Footnotes** tab was added to the **Holdings Load Profiles** page and **Holdings Import** dialogue, which provides the following load options:
 - a. *Attach footnotes based on the contents of the load file* (This option represents the legacy behavior of footnote attachments via dataload/data import)
 - i. This option will append footnotes contained in the load file to any existing footnotes attached to holdings.
 - ii. This option will be selected by default when the **Footnotes** tab on the **Holdings Load Profiles** page is first accessed following database update to version 2.6.0.
 - iii. This option will be selected by default when the **Footnotes** tab is first accessed for any data import.
 - b. *Replace footnotes for only specific holdings referenced in the load file*
 - i. This option will clear existing footnotes for holdings within the funds contained in the load file, and attach footnotes based on the contents of the load file.
 - c. *Do not attach any footnotes contained in the load file*
 - i. When this option is selected, values in the **FootnoteApplyTo** and **FootnoteCode** column of the data load file will be ignored.
 - ii. Existing footnote attachments to holdings will remain unchanged following data import.

Additional Information

For any given dataload/data import, only one footnote option can be selected to define the behavior for the entire load.

Process Changes

No changes to current processes are required.



[Demonstration video](#)

10. Ability to copy financial statement fund assignments within a project template

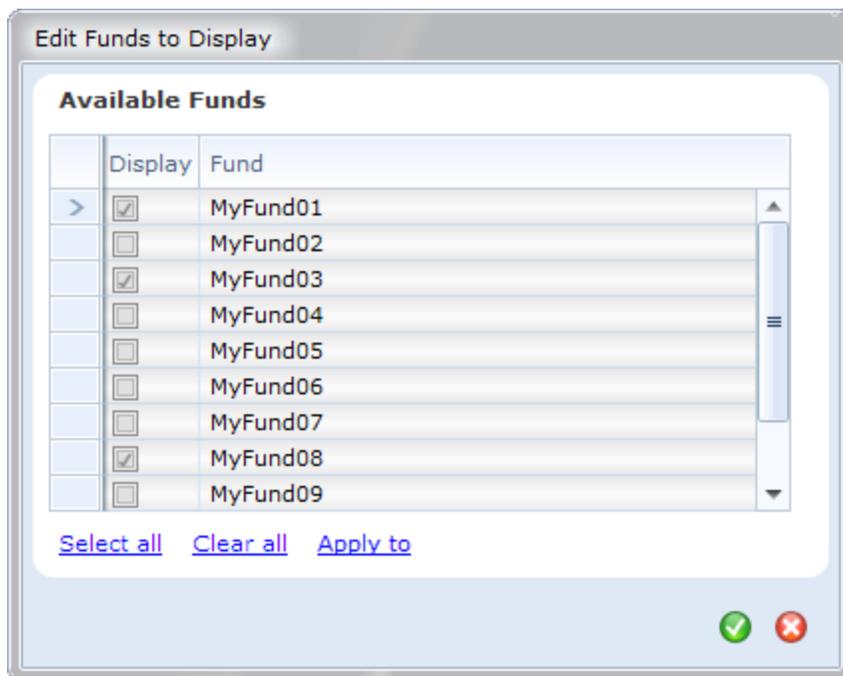
DFS ID: 110223

Overview

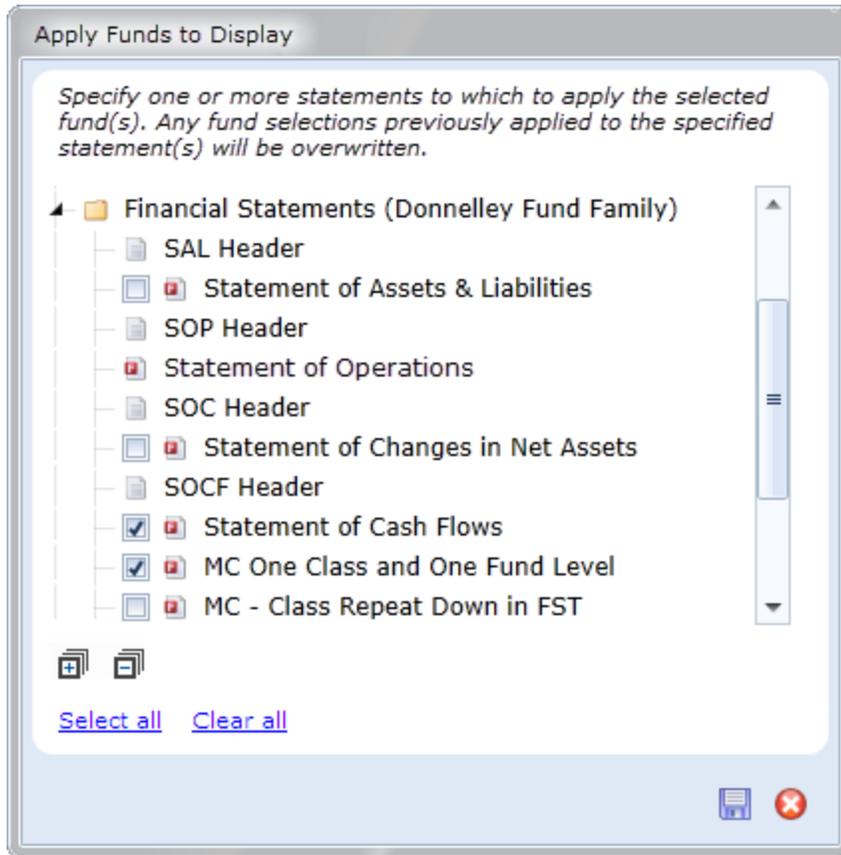
Users can now copy the fund assignment from one financial statement to another within a given project template.

What's New

When a user is assigning one or more funds to a given financial statement via the **Edit Funds to Display** pop-up dialogue (invoked via the *Item Detail* sub-tab of the **Project Templates** page), he/she now has the option to assign the same fund(s) to other statements in the project template via a new **Apply to** link on the dialogue.



1. Clicking the link causes the **Apply Funds to Display** pop-up dialogue to display.



Note:

If the current project template is in an unsaved state at the time the link is clicked, the user will be prompted to close the dialogue and save the template prior to applying the selected fund(s) to other statements, since the project template must be in a saved state to apply fund associations.

- a. A hierarchical tree view structure representing the entire current project template displays on the dialogue.
 - i. The tree view structure is fully expanded by default when the dialogue opens.

- ii. A check box is displayed at left of all financial statement items for which the associated chapter or section has a **Behavior** value of *All Funds - Single* (regardless of a given statement's **All funds / Selected fund(s)** display selection).
 - iii. A check box is not displayed at left of the current statement (*i.e.*, the statement whose fund(s) is/are being applied).
 - b. Selecting one or more check boxes corresponding to the statement(s) to which the fund(s) of the original statement are to be applied and clicking the **Save** button at lower-right of the dialogue causes a confirmation dialogue to display, which indicates that any previously-assigned fund(s) for the selected statement(s) will be overwritten upon save.
 - i. Clicking the **Yes** button on the confirmation dialogue causes the following to occur:
 - A. The **Please Confirm** dialogue closes.
 - B. The **Apply Funds to Display** dialogue closes.
 - C. The **Edit Funds to Display** dialogue closes.
 - D. The fund selection(s) of the source statement is/are applied to the target statement(s) (overwriting any previously-selected fund selections and setting each statement's **All funds / Selected fund(s)** display selection accordingly).
 - E. The current project template is automatically saved.
 - F. The **Push Template Changes** dialogue displays.
 - ii. Clicking the **No** button on the confirmation dialogue causes the **Please Confirm** dialogue to close (the **Apply Funds to Display** dialogue remains open).
 - c. Clicking the **Cancel** button at lower-right of the **Apply Funds to Display** dialogue causes the dialogue to close, with no change to the fund selection(s) for any other statements in the project template (the **Edit Funds to Display** dialogue remains open).

Process Changes

No changes to current processes are required.

11. Ability to copy financial statement template class assignments within a financial workbook template

DFS ID: 110233

Overview

Users can now copy the class assignment from one financial statement template to another within a given financial workbook template.

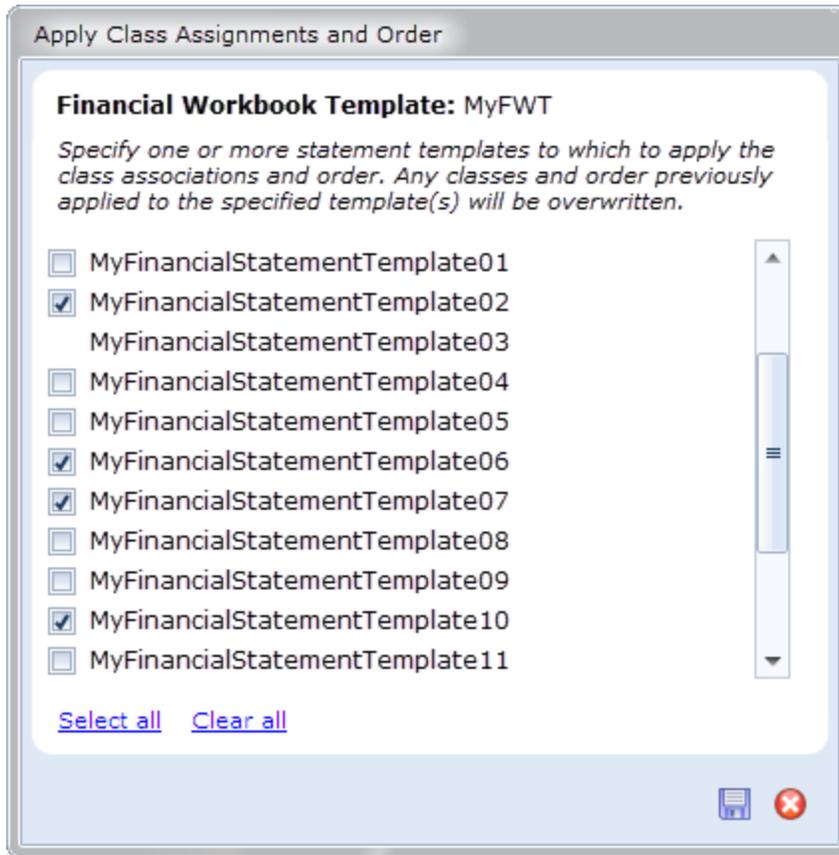
What's New

1. When a user is assigning one or more classes to a given financial statement template via the **Classes** sub-tab of the **Financial Workbook Templates** page, he/she now has the option to assign the same class(es) to other statement templates in the financial workbook template via a new **Apply 'Associated Class(es)' and order to other statement templates** link on the tab.

Note:

The user must be assigned the new **Apply Associated Classes** user right for the link to be enabled.

- a. Clicking the link causes the **Apply Class Assignments and Order** pop-up dialogue to display.



Note:

If the current workbook template is in an unsaved state at the time the link is clicked, the user will be prompted to close the dialogue and save the template prior to applying the selected class(es) to other statement templates, since the workbook template must be in a saved state to apply class associations.

- i. An alphabetical listing of all financial statement templates associated with the current financial workbook template displays on the dialogue.

- A. A check box is displayed at left of all financial statement templates.
- B. A check box is not displayed next to the statement template whose class(es) and order are being applied.
- ii. Selecting one or more check boxes corresponding to the statement template(s) to which the class(es) and order of the original statement template are to be applied and clicking the **Save** button at lower-right of the dialogue causes a confirmation dialogue to display, which indicates that any previously-assigned class(es) and order for the selected statement template(s) will be overwritten upon save.
 - A. Clicking the **Yes** button on the confirmation dialogue causes the following to occur:
 - 1. The **Please Confirm** dialogue closes.
 - 2. The **Apply Class Assignments and Order** dialogue closes.
 - 3. The class associations and order of the source statement template are applied to the target statement template(s) (overwriting any previously-associated classes and order).
 - 4. The current financial workbook template is automatically saved.
 - B. Clicking the **No** button on the confirmation dialogue causes the **Please Confirm** dialogue to close (the **Apply Class Assignments and Order** dialogue remains open).
- iii. Clicking the **Cancel** button at lower-right of the **Apply Class Assignments and Order** dialogue causes the dialogue to close, with no change to the class associations and order for any other financial statement templates in the financial workbook template.
- 2. Changes made to class associations using the *Apply 'Associated Class(es)' and order to other statement templates* functionality will be captured within the Financial Statement Template Audit Report.

Process Changes

No changes to current processes are required.

12. Financial Statement Template Output Settings Audit Report

DFS ID: 112751

Overview

A Financial Statement Template Output Settings Audit Report was added to ArcReporting, which tracks all additions and changes made by users to the output settings for financial statement templates.

What's New

A **Financial Statement Template Output Settings Audit Report** page was added to ArcReporting, through which users can generate a listing of all changes made to financial statement template output settings associated with a given complex. The report is accessed via a new menu item of the same name, under the **Reports** menu section on the **Administration** tab.

Note:

The new *Open Financial Statement Template Output Settings Audit Report Page* user right is required to open the **Financial Statement Template Output Settings Audit Report** page (the *Financial Statement Template Output Settings Audit Report* menu item is disabled if the right is not assigned to the current user).

1. Users can narrow report results by any of the following filters in the **Report Result Filters** section at the top of the page:
 - a. **Complex**
 - i. The drop-down list contains all complexes to which the current user has access, and the selection defaults to the first complex (alphabetically) in the list.
 - b. **Financial Workbook Template**
 - i. The drop-down list contains all the financial workbook templates that were created in association with the specified complex.
 - c. **Financial Statement Template**
 - i. The drop-down list contains all the financial statement templates that were created in association with the specified workbook template.

- d. **Editing User**
 - i. The drop-down list contains all the users in the Users library.
 - e. **From Date and To Date**
2. The report will track all changes made to the output settings of a given financial statement template since the database update to version 2.6.0.

Process Changes

No changes to current processes are required.



[Demonstration video](#)

13. Enhancements to management of financial workbook assigned footnotes

DFS ID: 114349

Overview

The **Assigned Footnotes** dialogue, accessed via the **Footnotes** tab of the **Financial Workbook** page, was enhanced to provide users with options to filter the listing of assigned footnotes based on the fund specified in the fund selection bar.

What's New

1. Footnote assignment logic on the **Footnotes** tab of the **Financial Workbook** page was updated to ensure that the **Display Code** value of a footnote is visible next to the mouse cursor as the footnote is dragged-and-dropped.
2. Informational text was added to the **Assigned Footnotes** dialogue to advise user that results in the grid thereon are filtered based on the fund selected in the fund selection bar.
3. The default behavior of the **Assigned Footnotes** dialogue was enhanced to display specific footnotes when dialogue is invoked, as follows:
 - a. Footnotes attached in association with a single fund display in the dialogue's grid if that fund is currently specified in the fund selection bar at the top of the screen.
 - b. Footnotes attached in association with **<All Funds>** always display, regardless of the fund specified in the fund selection bar.
 - c. Footnotes attached in association with **<Multiple Funds>** always display, regardless of the fund specified in the fund selection bar.
4. The grid on the **Assigned Footnotes** dialogue now includes a **Clear all filters** button, which when clicked removes all filters that may have been applied to the grid, thereby displaying footnotes attached to any fund within the financial workbook, footnotes attached for **<All Funds>** and footnotes attached to **<Multiple Funds>**.

Process Changes

No changes to current processes are required.



[Demonstration video](#)

14. Enhancements to trial balance footing logic

DFS ID: 114373

Overview

Financial workbook footing logic for trial balances was enhanced to account for situations when two or more line items have the same value and/or sort order.

What's New

For tabs on the **Financial Workbook** page that contain trial balance data, the footing engine will determine the item to foot based on the following logic (in the following order):

1. **Least variance/least impact:** The footing engine will choose the item which, if footed, would change the least.
2. **Largest value:** If two or more items have the same variance, which represents the least of all items under consideration for footing, the footing engine will select the item with the largest value.

Note:

"Largest value" means the largest absolute ending raw value (e.g., the absolute value of **-100** is larger than **10**).

3. **Sort order:** If two or more items have the same variance, which represents the least of all items under consideration for footing, and they have the same raw value (steps 1 and 2), then the footing engine will select the item with the lowest sort order in the trial balance definition (*i.e.*, the topmost item in the tree for this section).

Note:

- When footing for sub-sections and items not in a sub-section, the sort levels are looked at together.
- Items inside a sub-section without a total are looked at as being directly in the section, accounts sorting will happen within each item and currency/classes will be looked at within each account. In summary, the logic doesn't move the footing outside of the "area" that needs to be footed.

4. **Trial balance sort order:** If two items are on separate trial balances and have the same sort order, the footing engine will select the item whose trial balance database primary key is the lowest.

Process Changes

No changes to current processes are required.

15. Enhancements to integration between ArcReporting and ArcProspectus products

DFS IDs: 114916, 114917, 114918

Overview

FundSuiteArc workflow functionality was further enhanced to allow for more integration between the ArcReporting and ArcProspectus products. In connection with the improvements to ArcReporting detailed here, certain features in ArcProspectus were also enhanced to allow for publishing of documents from ArcReporting and linking directly to instances of ArcReporting projects.

What's New

1. Enhancements were made to the tools in FundSuiteArc that RRD support staff use to manage the setup of integration between a given ArcReporting and ArcProspectus database.
2. A **Workflow** tab was added to the **Project Templates** page.



Note:

The new *Access Workflow Tab* user right, added as a child of the existing *Open Project Templates Page (ArcReporting)* right, is required to select the tab and view/edit the controls thereon (the tab is disabled if the right is not assigned to the current user).

- a. When a user supplies a value in the **Workflow ID** text box (which corresponds to a valid ArcProspectus **Document Number**), he/she can click the associated **Workflow Document** link on the tab to navigate directly to that document in the ArcProspectus application.

Process Changes

No changes to current processes are required.



[Demonstration video](#)

16. Enhanced support for custom tags in project components

DFS ID: 129530

Overview

The ability to insert custom tags in the output settings mapping grids for portfolio statements, financial statements and tabular data tables was introduced with the release of ArcReporting version 2.5.0. Enhancements were made in version 2.6.0 to accommodate custom tags when exporting, importing, linking, unlinking and copying within the component tables via the **Project** page.

What's New

- Any mapped custom tags in portfolio statement, financial statement or tabular data components are displayed on the **Components** tab of the **Project** page in green text, surrounded by curly braces. When a given component table is unlinked and edited, the custom tag appears as plain text (no color), within curly braces (e.g., `{br}`) and may be edited as text.

Example:

Linked component table containing a custom tag

Assets:	
Investment securities, at value {br}(cost: \$58,931,867)	80,216,729
Cash	1,163

Unlinked and edited component table containing a custom tag

	A	B	C
1	Assets:		
2	Investment securities, at value {br}(cost: \$58,931,8		80,216,729
3	Cash		1,163
4	Receivables for:		

- A custom tag in a linked project component will have the same impact on project output as a custom tag in an unlinked component.
2. When an unlinked component table containing custom tags is exported via the **Components** tab of the **Project** page, the tags are exported as plain text within curly braces, allowing the user to export, make changes to the table and re-import the table without having to manage previously-applied custom tags.
 3. When a user chooses the **Copy Existing Template** option to create a new template via the **Portfolio Statement Templates** page, and selects a source template in which custom tags are applied, the newly-created template will maintain the applied custom tags following the copy operation.
 - a. If the specified target complex of the new template is the same as that of the source template, the applied custom tags will appear in the new template in green text, within curly braces, and maintain all associated XML attributes.
 - b. If the specified target complex of the new template is different than that of the source template, the following will result with respect to the applied custom tags:
 - i. All custom tags from the source template that are set as **Active** in the Custom Tags library of the target complex will appear in the newly-copied template in green text, within curly braces, and maintain all associated XML attributes (*i.e.*, as they did in the source template).
 - ii. Any custom tags from the source template that are set as **Inactive** in the Custom Tags library of the target complex will appear in the newly-copied template as mapped literal text (*i.e.*, no text coloration, within curly braces, but with no underlying XML attributes).

Process Changes

No changes to current processes are required.

17. Enhancements to financial workbook multi-user calculation behavior

DFS ID: 135514

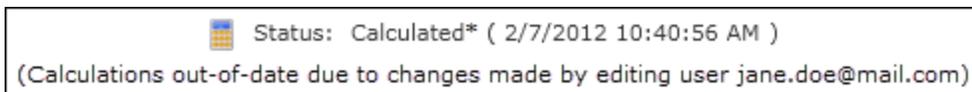
Overview

New functionality was implemented with respect to the calculation status of financial workbooks. Now, when two or more users are working within the same financial workbook, each will be notified of any changes made by other editing users after they calculate the workbook.

What's New

Given a scenario whereby a user (user 1) is working within a financial workbook and he/she calculates the workbook, but before that calculation finishes another user (user 2) makes an edit to the financial workbook:

1. The workbook is not actually in a *Calculated* state, and the following additional indications display when the calculation for user 1 finishes:



- a. An asterisk displays at right of the term *Calculated* (i.e., *Calculated* (mmm/dd/yyyy hh:mm:ss AM/PM)*).
 - b. The following informational text displays beneath the **Status** label:
(Calculations out-of-date due to changes made by editing user <'E-mail' value of user 2>)
2. The above indications are hidden when the workbook is returned to a *Calculated* state, following recalculation by any of the following methods:
 - a. Clicking the **Calculate workbook** button.
 - b. Closing and reopening the **Financial Workbook** page.
 - c. Previewing a financial statement template that is associated with the fund/workbook.

Additional Information

For multi-user calculation scenarios and logic, please see **Appendix A: Multi-User Calculation Logic** on page 68 of this document.

Process Changes

No changes to current processes are required.



Appendix A: Multi-User Calculation Logic

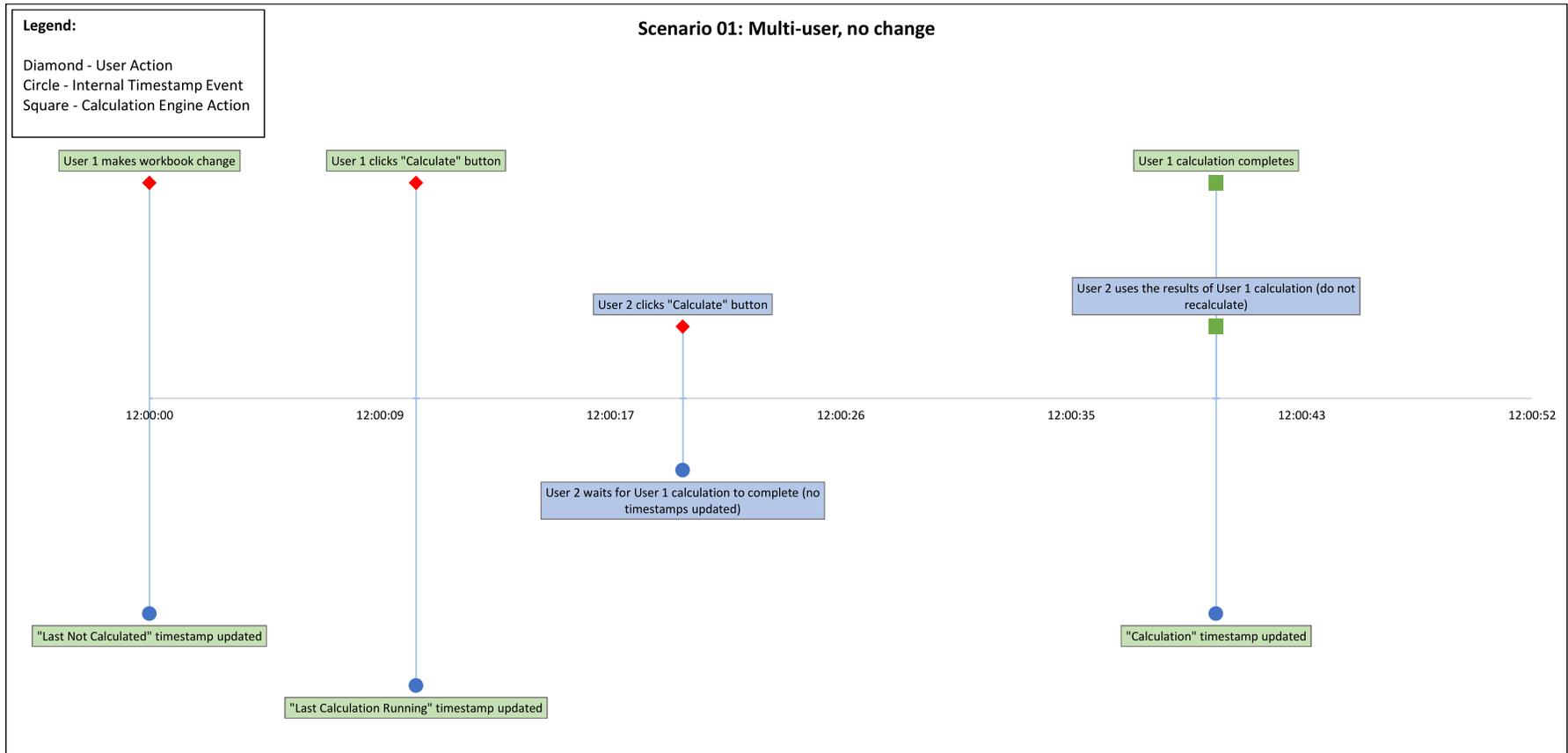
When a user initiates a calculation in FundSuiteArc, the master calculation engine performs a check to see if there are any other calculations currently running for the same period, fund and balance type.

- If there is already a calculation underway, then the second request will wait for the previous calculation to finish.
 - The second request will wait for up to 5 minutes.
 - If the first request does not complete calculating within 5 minutes, the engine will consider that calculation "timed-out" and will proceed with the second calculation.
 - If the first request completes in less than the 5-minute timeout period, then the second request may or may not start calculating, depending on the logic outlined in any of the following scenarios.

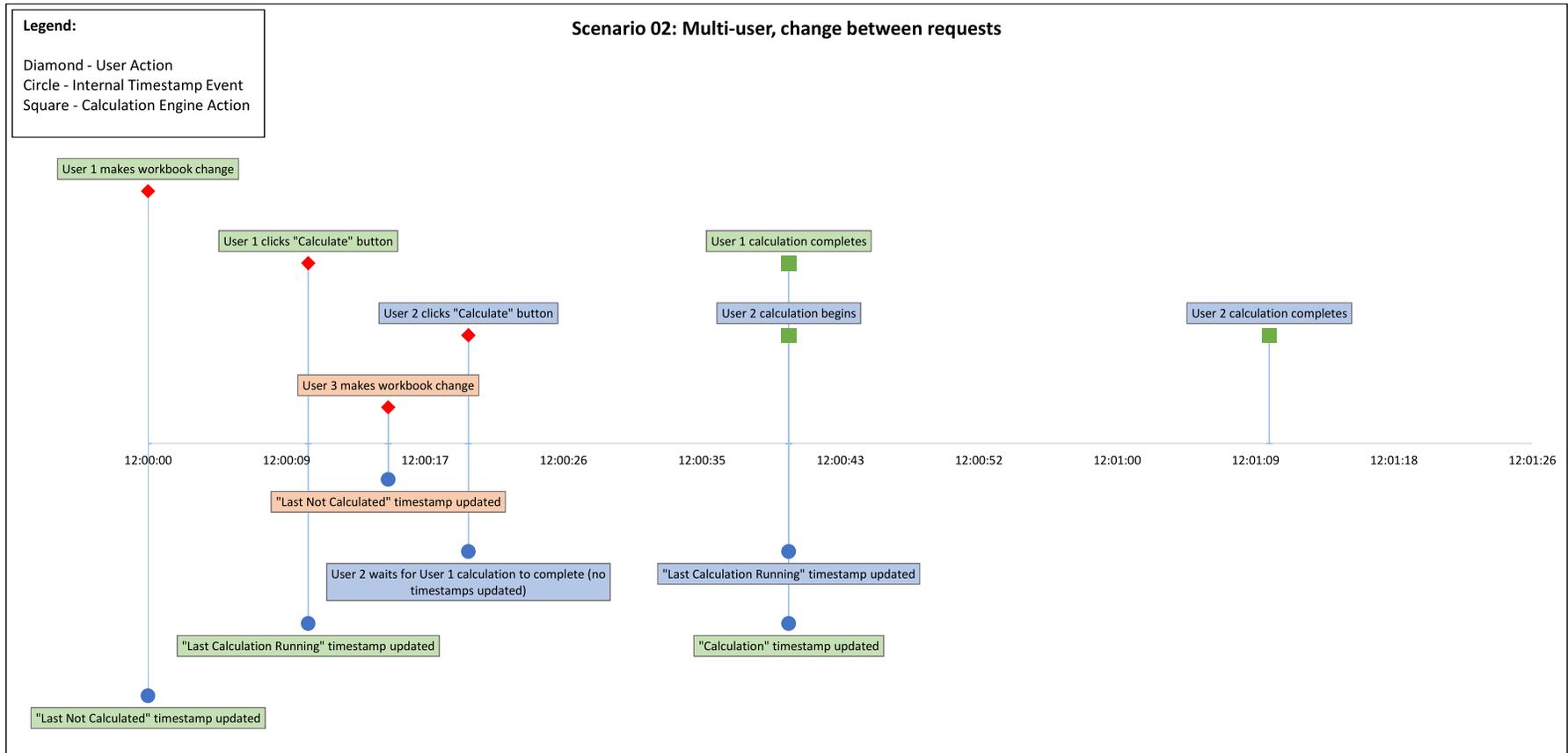
Note:

If it is determined that the second request can use the results of the first request, then the second request will use the results of the first without triggering another calculation.

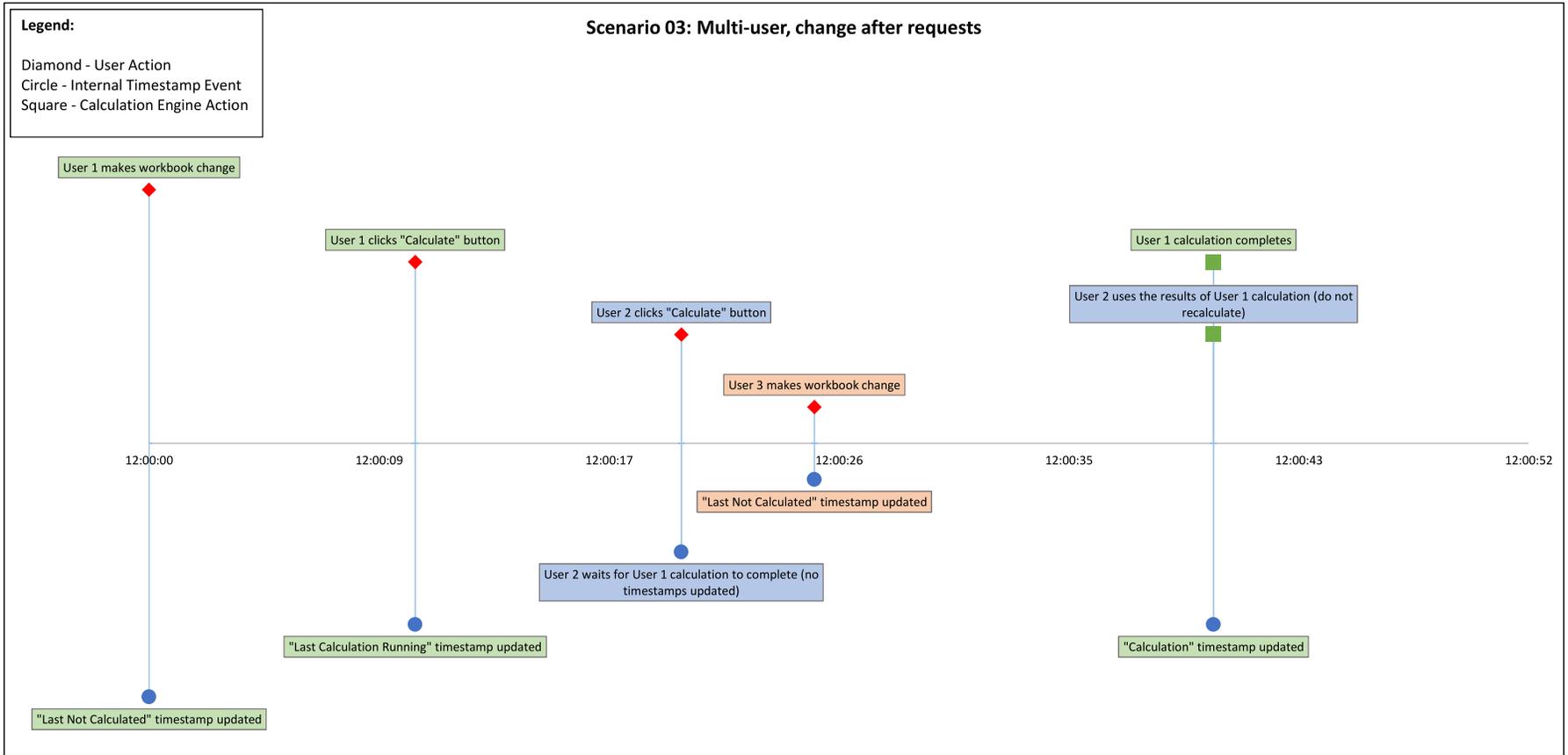
1. Scenario 01: Multi-user, no change



2. Scenario 02: Multi-user, change between requests



3. Scenario 03: Multi-user, change after requests





Closed Defects

The following issues were addressed in this release of FundSuiteArc products.

Product	DFS ID	Module/Location	Description
ArcReporting	67928	Project	Fund data points added to calculations will now evaluate correctly if output within a portfolio statement.
ArcReporting	68150 (IM15-258872)	Financial Statement Template Output Settings	<i>Footnote Legend</i> and <i>Footnote Items</i> headers will no longer disappear from the mapping grid when users add more than one line item.
ArcReporting	68933 (IM15-329583)	Financial Workbook	Multi-column calculation sheets will now display if they have sections with no child elements mapped to them.
ArcReporting	80683 (IM15-331085)	Portfolio Statement Template Output Settings	When a literal value is mapped to a statement node of type <i>Security Single</i> or <i>Aggregated Securities</i> , and the node uses the <i>Display if top of page</i> conditional display setting, the literal value will now be correctly displayed at the top of the page only.
ArcReporting	90088	Financial Workbook Templates	When adding a footnote legend to a financial statement template, the legend will now get set with default values, similar to portfolio statement templates.
ArcReporting	92640 (IM15-427053)	Financial Workbook	Calculation sheets of type <i>Holdings</i> that have been mapped into a subsequent calculation sheet will now display their values correctly.
ArcReporting	96516 (IM15-431921)	Financial Statement Template Output Settings	Superscript formatting will now be respected when applied to a footnote.
ArcReporting	105241 (IM15-657295)	Portfolio Statement Templates	The <i>TopN</i> condition of condensed portfolio statements will be copied with all other settings when performing a portfolio statement template copy.

Product	DFS ID	Module/Location	Description
ArcReporting	112911 (IM16-055698)	Project	Currency and footnote legends will be processed separately to prevent a duplicate key reference.
ArcReporting	113734 (IM16-052136)	Financial Workbook Templates	The Move item down button for financial statement templates will no longer be disabled for the penultimate item under a given section.
ArcReporting	114033 (IM15-275459)	Journal Entries	The Account Code search on the Journal Entries dialogue will now return the correct account when utilized.
ArcReporting	114034 (IM16-078689)	Financial Workbook	Memo Credit and Memo Debit sections of trial balance definitions will no longer participate in footing logic.
ArcReporting	114714 (IM16-084307)	Project Templates	Funds are now displayed accurately on the Spread/Stack Settings tab of the Project Templates page when using the Set individual page spread settings option.
ArcReporting	114899 (IM16-094861)	Financial Workbook Templates	When editing section items via the Calculation Sheets tab of the Financial Workbook Templates page, the scroll bar will remain stationary on the item or section being edited.
ArcReporting	115077 (IM16-098276)	Project	An attempt to preview a financial statement via the Components tab of the Project page will no longer throw an error when no balance set exists, nor will this condition cause output to fail.
ArcReporting	115498 (IM15-419145)	Calculation Sheet Account Mapping Audit Report	The order of items in the Calculation Sheet Account Mapping Audit Report will now accurately reflect the calculation sheet items' order in the application.

Product	DFS ID	Module/Location	Description
ArcReporting	126368 (IM16-106174)	Project	Users can now unlink and edit chart data via the Components tab of the Project page.
ArcReporting	126834 (IM16-103745)	Financial Workbook Templates	When copying a financial statement template, the language defined for the Display Note Reference data point will now be copied.
ArcReporting	127139 (IM16-079834)	Financial Workbook	Calculation errors will now be correctly displayed for the account period, fund and financial workbook combination.
ArcReporting	128578 (IM16-136771)	Footnote Preview and Assignment/ Project	Footnote legends will respect the ordering of non-auto-symbolized footnotes, and will place them in the correct position within the footnote legend.
ArcReporting	128578 (IM16-136771)	Project Templates	Advanced Suppression settings of copied project templates will no longer be linked to the original template; when a project template is copied, the link between the Advanced Suppression settings of the original and copied templates will be broken.
ArcReporting	129091 (IM16-145846)	Financial Workbook Templates	The Add Conditional Formula Element dialogue within the financial workbook template will now close when the user clicks the Accept button on the dialogue.
ArcReporting	129278 (IM16-149391)	Fund Holdings	Clicking a security/security range on the Project page will now open the Fund Holdings page and apply a filter to show only that security/range.
ArcReporting	129428 (IM16-063006)	General Ledger Transactions	When viewing general ledger transactions, the correct relevant data/time will be displayed.

Product	DFS ID	Module/Location	Description
ArcReporting	129465 (IM16-095473)	Project	Extra spaces will no longer come through for footnotes in output.
ArcReporting	130384 (IM16-160800)	Portfolio Statement Templates	In consolidated structures, secondary portfolio statements will correctly pull the consolidated values when having the Use Primary Statement's footed values setting selected.
ArcReporting	134166 (IM16-162656)	Financial Statement Template Output Settings	The addition of a <i>space</i> literal to footnote items in a pivoted statement template will now be respected in output.
ArcReporting	134281 (IM16-170011)	Financial Statement Template Output Settings	Advanced Suppression settings will now correctly evaluate when the <i>Financial Workbook</i> operand is used in a condition definition. Previously, all conditions that used <i>Financial Workbook</i> operands evaluated to <i>false</i> .
ArcReporting	134355 (IM16-163026)	Financial Statement Historical Data Import	Data for rows in the Financial Statement Historical Data Import will now be loaded if there is a corresponding line item caption in the statement.
ArcReporting	135210 (IM16-192489)	Portfolio Statement Template Output Settings	Users will no longer be able to apply Rounded to Zero Display settings to nodes that do not use raw values (<i>i.e.</i> , formula elements).
ArcReporting	147621	Financial Statement Template Output Settings	All changes made to financial statement template Advanced Suppression output settings will now be retained, regardless of edits made.
ArcReporting	151208	Financial Workbook	None/All column values will now be visible on the Financial Workbook page for calculation sheets of type <i>Currency</i> , whether the sections are expanded or collapsed.



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