FundSuiteArc Version 2.0.0 Release Notes

ArcReporting 2.0.0

Revised: 10/30/2014

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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?

Enhancements Requiring Immediate User Action

1. Several updates were made to the layout and behavior of the *Column Header Captions* grid on the **Portfolio Statement Templates** page that allow new tables and column headers to be automatically created in a portfolio statement based on a *New Table* check box setting, changes in a given item's assigned *Table Style* and/or changes in specified column header text across the statement item types. For details on this enhancement, see the *Portfolio statement templates: Ability to start new tables and change column header text* section on page 37 of this document.

    a. In version 1.10.0, if a portfolio statement had column header text populated for a given item, but the corresponding *Exception* check box was not selected, no new table would be created; with the release of version 2.0.0, a new table will be created in such cases.

    b. If an unexpected/undesired table break or column header displays in statement preview or output, users should access the *Table Settings and Column Header Captions* grid on the **Portfolio Statement Templates** page and remove the unwanted column heading text.

2. Due to updates surrounding portfolio statement templates and their associated output settings, users may note minor formatting differences in PDF output between versions 1.10.0 and 2.0.0. If formatting differences are seen, users are advised to contact their local RR Donnelley representative to confirm what steps may be taken to mitigate the formatting differences.

3. Trial balance footing enhancements were made so that general ledger accounts and the underlying class- and currency-level values will be rounded and footed. This will ensure that values at the account-, class- and currency-level sum to the footed *None/All* trial balance item value. Upon database upgrade to version 2.0.0, the footed values for some of these accounts may change once recalculated for open account periods. Historical values for closed periods will not be impacted. For details on this enhancement, see the ***Enhanced trial balance functionality and rounding/footing logic*** section on page 153 of this document.

4. The **Fund Holdings** page in previous versions of ArcReporting was renamed **Fund Holdings - Classic**. When clicking on the **Fund Holdings** menu item in version 2.0.0, the user is now brought to a new, redesigned page that serves as a quicker alternative to view fund holdings for a single fund. Both pages are accessible via the **Holdings** menu section on the *Reporting Workspace* tab of ArcReporting. For details on this enhancement, see the ***Fund Holdings page: New and Legacy user interfaces*** section on page 160 of this document.

5. A user right was added to both ArcReporting and ArcFiling that will allow users to delete projects. When an environment has been upgraded to version 2.0.0, no existing roles will include the new user right (and consequently, no users except System Administrators will have the ability to delete projects). All roles that need the ability to delete projects must have the new right added to them following database upgrade. For details, see the ***User right to govern deletion of projects / project deletion event logging*** section on page 33 of this document.

Enhancements Requiring User Decisions

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

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Known Issues Common to Multiple Products

The following section lists issues known to exist in this product release that are common across multiple FundSuiteArc products.

1.   Project Template Export displays sections in incorrect order

Overview

The Project Template Export displays sections in the incorrect order. The export currently displays the project template section information ordered by fund, then section (rather than by section, then fund).

Process Changes

When using this report to review the setup of a project template, users need to be aware that the order in output does not exactly match that seen in the user interface. However, all the setup details in the report do match.

Known Issues in ArcReporting

The following section lists issues known to exist in this release of the ArcReporting product.

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1. Shared legends: Footnotes attached to pivoted financial statements do not display in the shared legend

Overview

Shared statement legends of type *Financial* that include a financial statement of *Pivoted* orientation will not display any footnotes attached to that statement. Such shared legends will currently only display footnotes attached to statements of *Standard* orientation.

Process Changes

No changes to current processes are required.

2. Financial Workbook: "Fund Data Points" and "Supplemental Data" values are not formatted

Overview

On the **Financial Workbook** page, there are two tabs on which numeric values are not currently formatted as a user would expect. Numbers housed in both the *Fund Data Points* and *Supplemental Data* tabs are not being formatted with comma separators when a value in the thousands (*000's*) is present. This is a change in formatting from the 1.10.0 release of ArcReporting.

Process Changes

This defect does not require any changes in current processes, however this area of financial workbooks underwent changes in version 2.0.0 that do require process changes. For more information, see the ***Enhanced trial balance functionality and rounding/footing logic*** section on page 153 of this document.

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.

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1. Enhancements Common to Multiple Products

1. **Ability to copy tabular data templates**

   Tabular data template functionality was enhanced to allow users to export, copy and import tabular data templates.

2. **Ability to display overlines on portfolio statement template items**

   In some cases, users may wish to display an overline for specific portfolio statement line item values. The FundSuiteArc document publishing service does not currently support the concept of an "overline", however its display can be accomplished by simply applying "underline" formatting (which is supported) to an output settings row that exists above the row containing statement data. To facilitate this solution, the **Portfolio Statement Template Output Settings** page now allows users to create and manage multiple rows in the *Mapping* grid for any given statement template item.

3. **ArcFilingEU licensing and launch icon**

   Clients with appropriate database licensing can now access an ArcFiling^{EU} product launch icon on the FundSuiteArc platform landing page after logging in at FundSuiteArc.com.

4. **Ability to combine and rename categories on portfolio statement templates**

   Users now have the ability to combine multiple categories within a portfolio statement template exception, and display a different category, total caption and single category caption on output. This enhancement impacts both ArcFiling and ArcReporting.

5. **New numeric data formatting options**

   Additional formatting options were provided for numeric data that will drop all but the last of the ending zeros to the right of the decimal or comma.

6. **User right to govern deletion of projects / project deletion event logging**

   A user right was added to both ArcReporting and ArcFiling that will allow users to delete projects. The deletion of projects is also now captured in the system event log.

7. **Larger values accommodated in "Local Currency Sold" and "Local Currency Bought" fields**

   The length of the *Local Currency Bought* and *Local Currency Sold* fund holdings fields were increased to accommodate larger values.

8. **Portfolio statement templates: Ability to start new tables and change column header text**

Enhancements were made to portfolio statement templates that will allow users to start a new table, set different table styles for each table, and create new tables when the column header text changes. This functionality allows for greater flexibility in output styles.

9. **Support ends for Windows XP operating system**

RR Donnelley policy has been to support our products running on underlying technologies only for the period the core manufacturer (Microsoft in this case) supports them. Therefore, this release of FundSuiteArc products represents the last which will support deployment on the Windows XP operating system.

2. Enhancements to ArcReporting

1. **Multiple filters when adding holdings data to a calculation sheet**

   ArcReporting was enhanced to allow a user to define multiple category filters when creating a holdings formula in a calculation sheet item. A user can choose one or more categories by which to group and an operator (*i.e.*, *equal to*, or *not equal to*) in order to sum together a group of securities.

2. **Ability to copy calculation sheet items**

   ArcReporting was enhanced to allow a user to copy an existing calculation sheet item and add it to another section. Previously, a user could only add new calculation sheet items.

3. **"Absolute Value" setting for calculation sheet item formula elements**

   Functionality was added to ArcReporting to allow a user to designate that the absolute value of a given calculation sheet item formula element be used in the formula's calculation.

4. **Ability to display a variable number of periods based on account period type**

   ArcReporting was enhanced to facilitate the display of a variable number of periods in statement output based on the account period type specified for a project via the **Project Templates** page.

5. **Abbreviation legend enhancements**

   ArcReporting abbreviation legend logic was enhanced to recognize abbreviations that contain certain characters as valid abbreviations, and return them accordingly in the abbreviation legend. In previous application versions, abbreviations did not display in the statement abbreviation legend due to the presence of certain characters.

6. **Ability to apply footnotes linked to fund holdings to fields other than "Caption"**

   Users now have increased flexibility with regard to footnotes that are linked to fund holdings. Similar to footnotes that are not linked to fund holdings, users may now define to which field a linked footnote should be applied for output purposes. Previous to this enhancement, footnotes linked to fund holdings were automatically applied to the *Caption Footnote* field.

7. **Circular reference check in calculation sheets**

   Functionality was added to ArcReporting to allow a user to run a report that checks for circular references in calculation sheets.

8. **Class Balances Audit Report**

An audit report was provided to allow users to track changes made to values in the *Class Balances* tab of the **Financial Workbook** page.

9. **Fund Data Points Audit Report**

An audit report was provided to allow users to track changes made to values in the *Fund Data Points* tab of the **Financial Workbook** page.

10. **Supplemental Data Audit Report**

An audit report was provided to allow users to track changes made to values in the *Supplemental Data* tab of the **Financial Workbook** page.

11. **Ability to define captions based on account period**

ArcReporting was enhanced to allow users to specify *Account Period* as the basis of a conditional formula expression defined in the **Custom Data Points Libraries** page. This enhancement allows a user to create a data point and attach it to the output settings so the text displayed in output will vary, based on whether or not the conditions of the data point formula are met.

12. **Advanced financial statement line item suppression logic**

ArcReporting was enhanced to allow users to suppress a financial statement line item dependent on the condition(s) specified in an associated *Advanced Suppression* formula.

13. **Financial Workbook Export enhancements**

Export functionality on the **Financial Workbook** page was enhanced to allow users to specify which worksheets to include in the *Financial Workbook Export* output file. Users can create and save custom export profiles that can be run on future occasions by any FundSuiteArc user, or they can simply specify an export setup for one-time use.

14. **Identify existing item mapping on calculation sheets**

Functionality was added to the *Calculation Sheets* tab of the **Financial Workbook Templates** page to allow users to identify if available items were already mapped to a given calculation sheet. If an item has already been mapped to the selected calculation sheet, the item is displayed in the right pane with a green background color. Users can now also right-click on any available item to see the calculation sheet(s) in the current workbook template to which it is mapped, if any.

15. **Ability to add multiple formula elements to calculation sheet items of type "Holdings"**

ArcReporting was enhanced to allow a user to add multiple formula elements to calculation sheet items of type *Holdings*.

16. **Enhanced calculation sheet mapping details in the Financial Workbook Export file**

Worksheets in the Financial Workbook Export file containing calculation sheet data were augmented to provide more mapping details for the end user.

17. **Holdings Breakout Report**

ArcReporting now provides users the ability to define settings for and generate Holdings Breakout reports. Users can specify up to three category type levels to display, and up to three numeric security value fields of data. Report output consists of a standard Excel (XLS) format, and can be filtered by fund group, fund and account period.

18. **Top "N" Issuers (or other field) Report**

This enhancement adds functionality within inclusions and exclusions for Top "N" reports on the *Filter* tab of the **Portfolio Statement Templates** page. The functionality allows users to group securities when creating a Top "N" report and to filter the securities included in the results. This enhancement applies to portfolio statement templates of types *Full* and *Condensed/Summary*.

19. **Ability to display period end dates in portfolio statement column headers**

Users now have the ability to display period end dates within the column headers of portfolio statements. Custom data point functionality was added to ArcReporting, which allows users to create and add a custom data point to display the correct period end date and associated date format, as required. Once created, the custom data point can be mapped to the *Column Header* row of the statement template via the **Portfolio Statement Template Output Settings** page.

20. **Ability to load data for and create a Reference Data Report**

This enhancement provides the ability to store underlying security information used during custom holdings data pre-processing within the FundSuiteArc application. This data, along with various other data points currently held within FundSuiteArc, will form the basis for a new report called the Reference Data Report.

21. **Ability to create N-SAR calculation sheet and Excel file for export to FundSuite ComFiler - Phase 2**

The goal of this functionality is to provide a mechanism within ArcReporting whereby users can map line items from trial balances items or calculation sheets to a standard N-SAR calculation sheet. This calculation

sheet can be exported from ArcReporting and used for import into FundSuite ComFiler. This enhancement represents Phase 2 of this effort, which will allow the user to select which funds to export, as opposed to exporting all funds from a given complex.

22. **Custom data point libraries**

The goal of this enhancement is to allow users to create libraries of custom data points and place those data points in text snippets, footnote text, tables, and portfolio and financial statement line item content.

23. **Shared statement footnote legends**

Users now have the ability to define a shared statement legend template to produce a single footnote legend that includes footnote records from multiple portfolio or financial statements.

24. **Project template export**

Users are able to export a selected project template and all the associated chapter/item detail to an Excel (XLS) file.

25. **Ability to attach tables to portfolio and financial statement footnotes**

Functionality was provided that allows tables to be added to financial and portfolio statement footnotes. Footnote tables can be previewed on the **Project** page and will be displayed in project output.

26. **Enhanced user interface for specifying category codes**

An updated user interface was provided to facilitate the addition and editing of category codes via the **Category Libraries** page.

27. **Enhanced trial balance functionality and rounding/footing logic**

The goal of this functionality is to allow the user to add class data points, fund data points and supplemental data points to trial balance items and display the footed values for these items in the event any are adjusted for footing. In addition, values on the trial balance will now be footed to the most granular level, instead of stopping at the trial balance item level. This will ensure the values at the account, class and currency level sum to the footed *None/All* value.

28. **Fund Holdings page: New and Legacy user interfaces**

In previous versions of FundSuiteArc, funds containing a large number of holdings took considerable time to render available securities on the **Fund Holdings** page. Performance enhancements were made to improve response time when openning, recalculating and saving fund holdings.

Enhancements Common to Multiple Products

The following section lists enhancements in this product release that are common across multiple FundSuiteArc products.
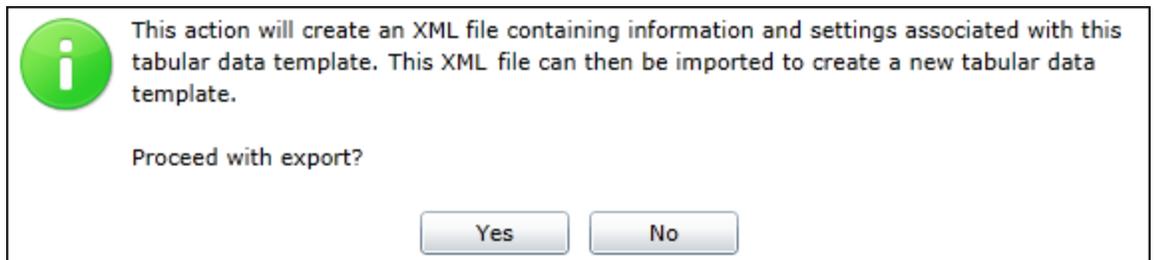
1. Ability to copy tabular data templates

Overview

Tabular data template functionality was enhanced to allow users to export, copy and import tabular data templates.

What's New

In previous versions of FundSuiteArc, a user could only create a new, blank tabular data template. In version 2.0.0, the **Tabular Data Templates** page was enhanced to allow the user to export tabular data template settings, and to copy or import an existing template as the basis for a new template.

1. An *Export tabular data template* button (🔵) button was added at lower-right of the **Tabular Data Templates** page to allow a user to export an existing template for use in creating a new template.

   a. When a user selects an existing template and clicks the *Export tabular data template* button, a confirmation message regarding the export displays.

   This action will create an XML file containing information and settings associated with this tabular data template. This XML file can then be imported to create a new tabular data template.

   Proceed with export?

   Yes   No

   i. When the user clicks the *Yes* button on the message dialogue, a request is sent to the Output Queue to generate an XML file containing the settings of the selected tabular data template.

   Output request submitted successfully. You may go to the Output Queue to check request status.

   Ok
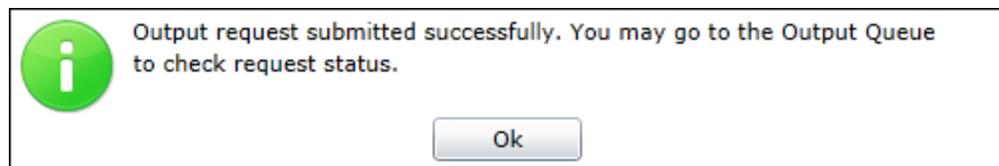
   b. Once the exported template file is successfully created, the user can open the Output Queue using the associated button at upper-right of the screen and save the file to a local or network drive.

2. When the user clicks the existing *Add* button ( ) at lower-right of the **Tabular Data Templates** page, a new **Create Tabular Data Template** dialogue displays.

a. The dialogue offers the user three options for creating a new template:

   i. Selecting the *Blank Template* option (default selection) causes a new, blank tabular data template to be created.

   ii. Selecting the *Copy Existing Template* option allows the user to copy any existing tabular data template within the same database.

   A. The user specifies the complex with which the template they wish to copy is associated using the *Source Complex* drop-down list.

   Note:
   The user can only choose complexes to which they have access via their user account

settings.

B. The user specifies the template they wish to copy using the *Source Template* drop-down list.

1. The templates available are only those associated with the designated *Source Complex*.

C. The user identifies the complex with which the new template will be associated using the *Target Complex* drop-down list.

Note:
The user can only choose complexes to which they have access via their user account settings.

1. The user can choose the same complex as the source template or a different complex.

iii. Selecting the *Import* option allows the user to import the settings of an existing template as the basis for the new tabular data template.

A. The user selects the *Source File* (an XML file that was previously exported from FundSuiteArc) from a local or network drive.

B. The user identifies the complex with which the new template will be associated using the *Target Complex* drop-down list.

Note:
The user can only choose complexes to which they have access via their user account settings.

1. The user can choose the same complex as the source template or a different complex.

b. The user clicks the *Accept* button ( ) at lower-right of the dialogue to confirm the selections and a new tabular data template is created.

Process Changes

Users are now able to copy/import existing templates instead of creating new templates from scratch.

2. Ability to display overlines on portfolio statement template items

Overview

In some cases, users may wish to display an overline for specific portfolio statement line item values. The FundSuiteArc document publishing service does not currently support the concept of an "overline", however its display can be accomplished by simply applying "underline" formatting (which is supported) to an output settings row that exists above the row containing statement data. To facilitate this solution, the **Portfolio Statement Template Output Settings** page now allows users to create and manage multiple rows in the *Mapping* grid for any given statement template item.

What's New

Several controls associated with the *Mapping* grid on the **Portfolio Statement Template Output Settings** page were added/updated so that users can manage multiple grid rows for any given node of the template structure (except the *Statement* node).

1. An *Add new item to grid* button (🔘) was added at lower-left of the *Mapping* grid. This button replaces the *Add Second Row* link available in previous releases for certain security-related nodes, and is available in this release for all node types.

    a. Clicking the button causes a new row to be added to the bottom of the grid.

    b. A maximum of 10 rows may be added to the grid.

2. A *Remove item from grid* button (🔘) was added at lower-left of the *Mapping* grid. This button replaces the *Delete Second Row* link available in previous releases for certain security-related nodes, and is available in this release for all node types.

    a. Clicking the button causes the selected row to be removed from the grid.

    b. A minimum of one row must exist in the grid.

3. A *Move row up* button (▲) and a *Move row down* button (▼) were added at lower-left of the *Mapping* grid.

    a. Clicking the respective buttons causes the selected row to move up or down in the grid, relative to its original position.

Users can apply formatting (*e.g.*, underlines, alignment, etc.) and/or map data points and literals to the cells of any rows that exist in the *Mapping* grid for a given statement template element. Users can also utilize existing functionality on the *Format Items* and *Suppression* tabs to manage content in grid cells.

> **Note:**
>
> Rows in the *Mapping* grid that have only formatting settings applied, but no mapped items, will display in statement preview and output. In previous versions of FundSuiteArc, a row that had no mapped items would not be retained when the template's output settings were saved.

Process Changes

Previous to this enhancement, the display of overlines on statement line items was handled by logic within the associated output style sheet. That logic will continue to work in version 2.0.0, but any new overlines desired should be added using this new functionality.

3. ArcFiling^{EU} licensing and launch icon

Overview

Clients with appropriate database licensing can now access an ArcFiling^{EU} product launch icon on the FundSuiteArc platform landing page after logging in at FundSuiteArc.com.

What's New

1. A database license option was added to FundSuiteArc to allow clients access to the new ArcFiling^{EU} product interface. With this licensing in place, clients will see a new ArcFiling^{EU} product launch icon (ArcFiling^{EU}) in the *All Suite Components* area of the FundSuiteArc landing page.

   > **Note:**
   >
   > The ArcFiling^{EU} icon will only be enabled when a database has the ArcFiling^{EU} license applied to it; if the license is not applied, the launch icon will be present but disabled.

2. When a user clicks the ArcFiling^{EU} launch icon, the new ArcFiling^{EU} product interface will display in a browser window.

   a. As with all other products in the suite, after a user has accessed ArcFiling^{EU}, the *Last Launched* pane of the FundSuiteArc landing page will reflect this by displaying the ArcFiling^{EU} icon the next time the user logs in.
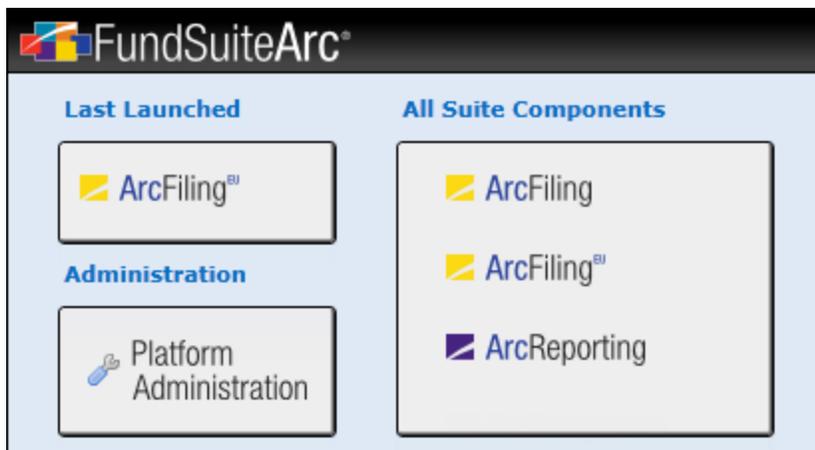
Process Changes

No changes to current processes are required.

4. Ability to combine and rename categories on portfolio statement templates

Overview

Users now have the ability to combine multiple categories within a portfolio statement template exception, and display a different category, total caption and single category caption on output. This enhancement impacts both ArcFiling and ArcReporting.

What's New

The **Edit Category Exception** dialogue (invoked via the **Portfolio Statement Templates** page) was enhanced to include the following options:

1. *Combine and rename exception categories* check box.

   a. Selecting this check box enables associated *Caption* and *Total Caption* text boxes on the dialogue, by means of which the specified excepted categories can be renamed on output.

   b. When the check box is selected all securities from the individual excepted categories will be grouped into one single category, and will display based on the portfolio statement template settings.

2. *Caption* text box.

   a. Users can specify the caption to be displayed on output for the specified excepted categories when the *Combine and rename exception categories* check box is selected.

3. *Total Caption* text box.

   a. Users can specify the total caption to be displayed on output for the specified excepted categories when the *Combine and rename exception categories* check box is selected.

4. *Use category caption for single category* check box.

   a. When this check box is selected, and only a single category within a group of multiple excepted categories contains any holdings, the category caption of the category containing the holdings will be displayed on output. In this scenario, the *Caption* text defined in association with the *Combine and*

rename exception categories option would be overwritten with the single category caption that contains securities.

Example:

1. The user specifies *Common Stocks* and *Preferred Securities* as excepted categories.

2. The user selects the *Combine and rename exception categories* check box.

3. The user enters *Common Stocks and Preferred Securities* in the *Caption* text box.

4. The user enters *Total Common Stocks and Preferred Securities* in the *Total Caption* text box.

5. The user selects the *Use category caption for single category* check box.

Expected Results:

1. *Common Stocks and Preferred Securities* is displayed in portfolio statement output when both the *Common Stocks* and *Preferred Securities* categories contain holdings.

2. *Common Stocks* is displayed in output when the *Common Stocks* category contains holdings, but the *Preferred Securities* category does not contain holdings.

3. *Preferred Securities* is displayed when the *Preferred Securities* category contains holdings, but the *Common Stocks* category does not contain holdings.

Process Changes

No changes to current processes are required.

5. New numeric data formatting options

Overview

Additional formatting options were provided for numeric data that will drop all but the last of the ending zeros to the right of the decimal or comma.

What's New

Numbers can now be formatted in ways that were previously unavailable in FundSuiteArc. The new formats can be applied in all application locations where numbers can be formatted. Locations include the following:

- **Financial Statement Template Output Settings** page

- **Portfolio Statement Template Output Settings** page

- **Tabular Data Template Output Settings** page

- **Insert/Edit Data Point** dialogue in **Text Libraries** page, **Footnote Libraries - General Ledger** page, and **Footnote Libraries - Holdings** page for data points of the following types:

  - Calculation Sheet
  - Class Data Point
  - Exchange Rate
  - Fund Data Point
  - Fund Holdings (**Footnote Libraries - Holdings** page only)
  - Supplemental Data
  - Trial Balance Definition

Example:

Edit a number's format via the **Financial Workbook Template Output Settings** page.

1. After launching the ArcReporting product, select the *Administration* tab at lower-left of the screen.

2. Click the *Financial Statement Template Output Settings* item under the **Structure Templates** menu section.

3. Specify a *Financial Statement Template* to view and edit via the drop-down list at the top of the page that opens.

    The specified statement's structure displays as a tree view in the left pane of the page.
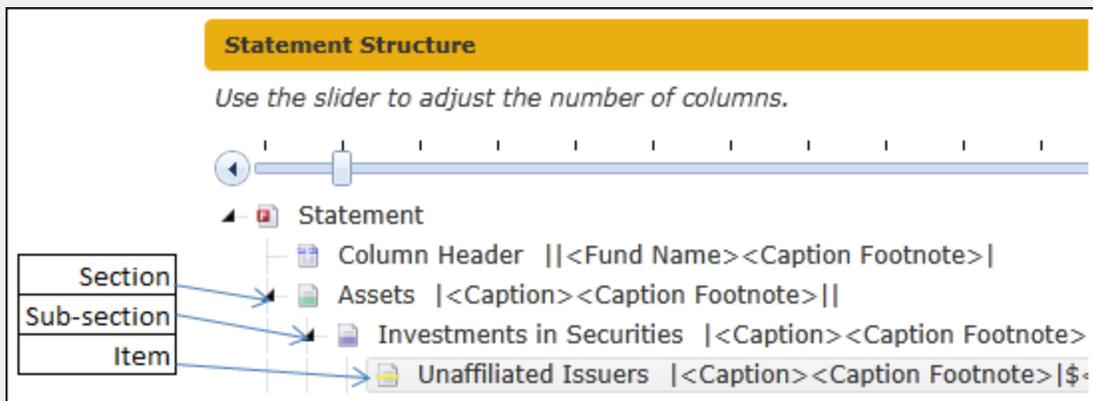
    a. Numbers are housed at the *Item* node level of the tree structure (the *Unaffiliated Issuers* node, in the example above).

4. Select the desired *Item* node to view its settings in the right pane of the page.

5. Click the cell of the *Mapping* grid at right that contains the specific value to format (*e.g.*, the cell in Column 2 of the figure below, which contains the *<Value>* data point).
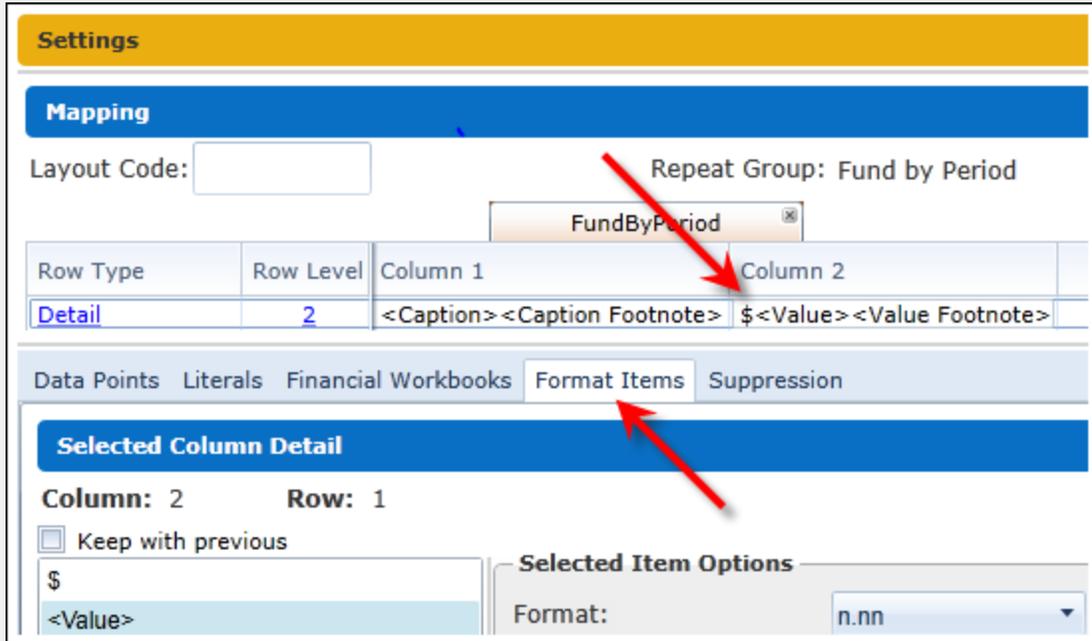
6. Click the *Format Items* tab beneath the *Mapping* grid.

7. Specify the desired number format using the *Format* drop-down list in the *Selected Item Options* section of the tab.

8. Click the *Save* button (⧄) at lower-right of the page to save changes.

Below is a list of the new formats available and their respective behaviors:

n.(n)(n) - Decimals based upon rounding level, but drops all remaining digits if zero. Displays comma as thousands separator.	5000.000000	5,000
Note: The decimal is also dropped in this scenario even though the format is set to 6 decimals.	5000.100000 / 5000.120000	5,000.1 / 5,000.12

n,(n)(n) - Decimals based upon rounding level, but drops all remaining digits if zero. Displays period as thousands separator.	5000.000000	5.000
Note: The comma is also dropped in this scenario even though the format is set to 6 decimals.	5000.100000 / 5000.120000	5.000,1 / 5.000,12
n (n)(n) [period] - Decimals based upon rounding level, but drops all remaining digits if zero. Displays space as thousands separator. Displays period as decimal separator.	5000.000000	5 000
Note: The decimal is also dropped in this scenario even though the format is set to 6 decimals.	5000.100000 / 5000.120000	5 000.1 / 5 000.12
n (n)(n) [comma] - Decimals based upon rounding level, but drops all remaining digits if zero. Displays space as thousands separator. Displays comma as decimal separator.	5000.000000	5 000
Note: The comma is also dropped in this scenario even though the format is set to 6 decimals.	5000.100000 / 5000.120000	5 000,1 / 5 000,12
n nn [period] - Decimals based upon rounding level. Displays space as thousands separator. Displays period as decimal separator.	5000.000000	5 000.000000
Note: Output is set to 6 decimals in this scenario.	5000.100000 / 5000.120000	5 000.100000 / 5 000.120000
n nn [comma] - Decimals based upon rounding level. Displays space as thousands separator. Displays comma as decimal separator.	5000.000000	5 000,000000
Note: Output is set to 6 decimals in this scenario.	5000.100000 / 5000.120000	5 000,100000 / 5 000,120000

Process Changes

No changes to current processes are required.

6.   User right to govern deletion of projects / project deletion event logging

Overview

A user right was added to both ArcReporting and ArcFiling that will allow users to delete projects. The deletion of projects is also now captured in the system event log.

What's New

1. *Delete Projects (ArcReporting)* and *Delete Projects (ArcFiling)* user rights were added to the **Roles** page as children to the existing *Open Project Page (ArcReporting)* and *Open Project Page (ArcFiling)* rights, respectively.
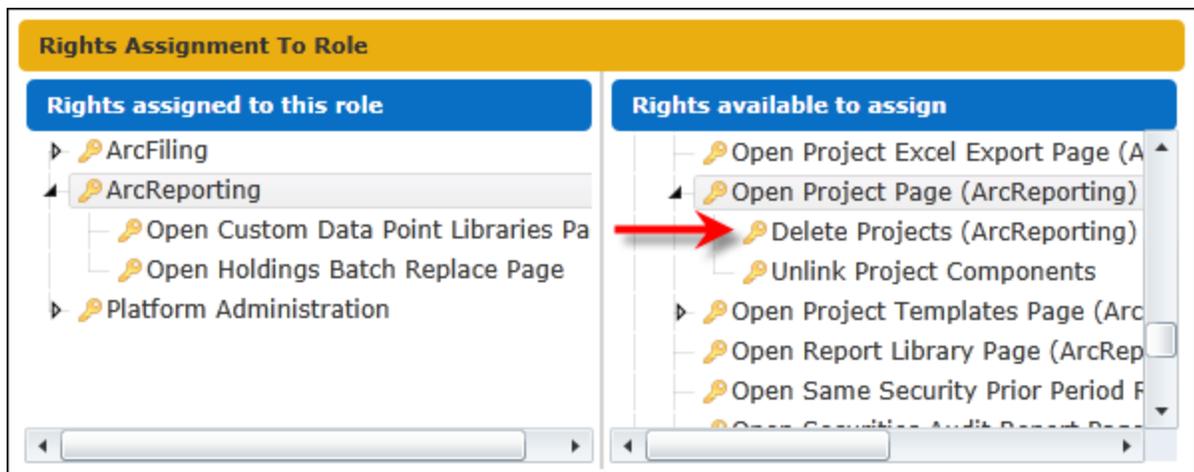
a. The new user right will not be assigned to any existing user roles upon database upgrade to version 2.0.0; the right must be manually added to a user's role(s) in order for them to delete projects.

b. Immediately following upgrade to version 2.0.0, only users with *System Administrator* access will be able to delete projects.

2. In both ArcReporting and ArcFiling, the ***Delete project*** button (⬤) at lower-right of the **Project** page will only be enabled when the current user has the new right assigned to at least one role with which they are associated.
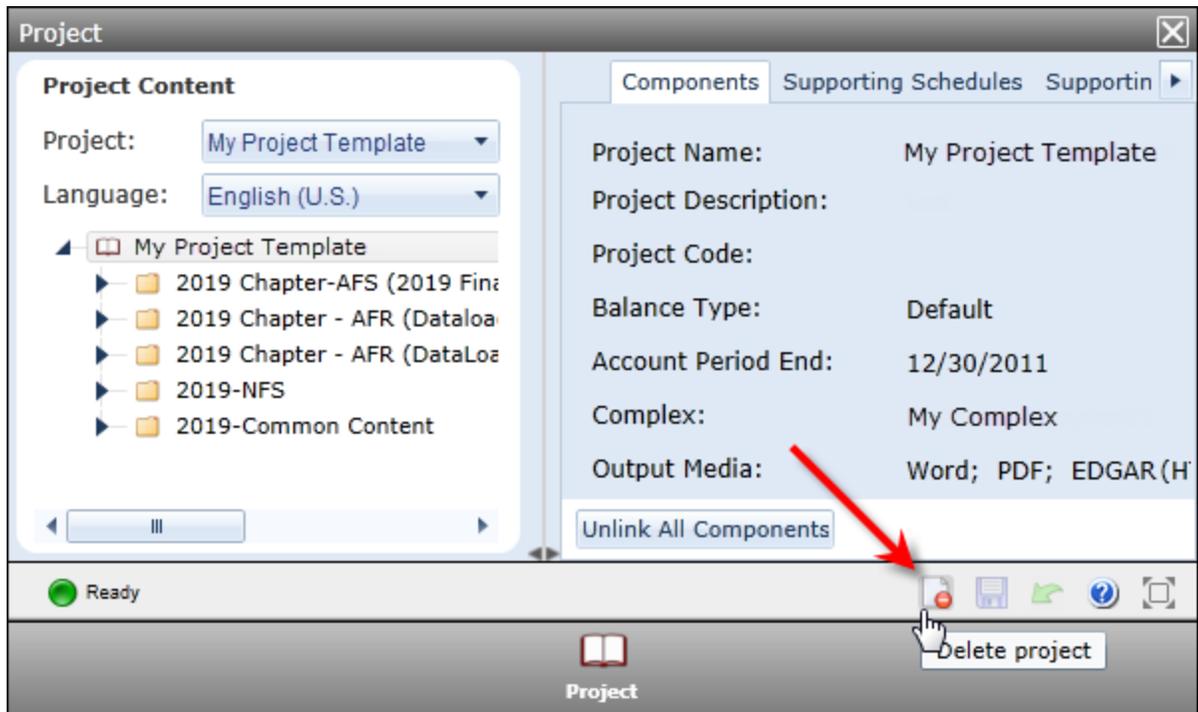
a. When the button is clicked, a pop-up message displays to confirm deletion of the current project.
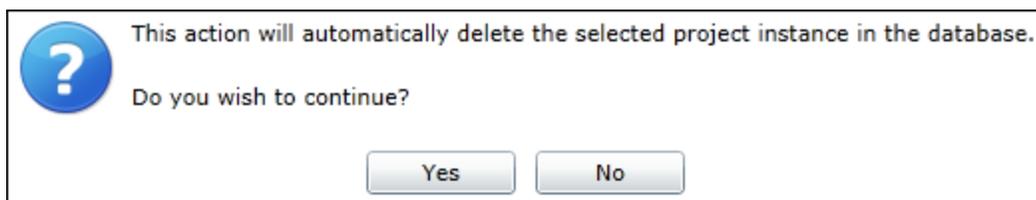
3. The action of deleting a project will now be tracked in the system Event Log, which can be accessed by users assigned the *Open Event Log Page* right via the corresponding item under the **Audit Reports** menu section of the Platform Administration area.
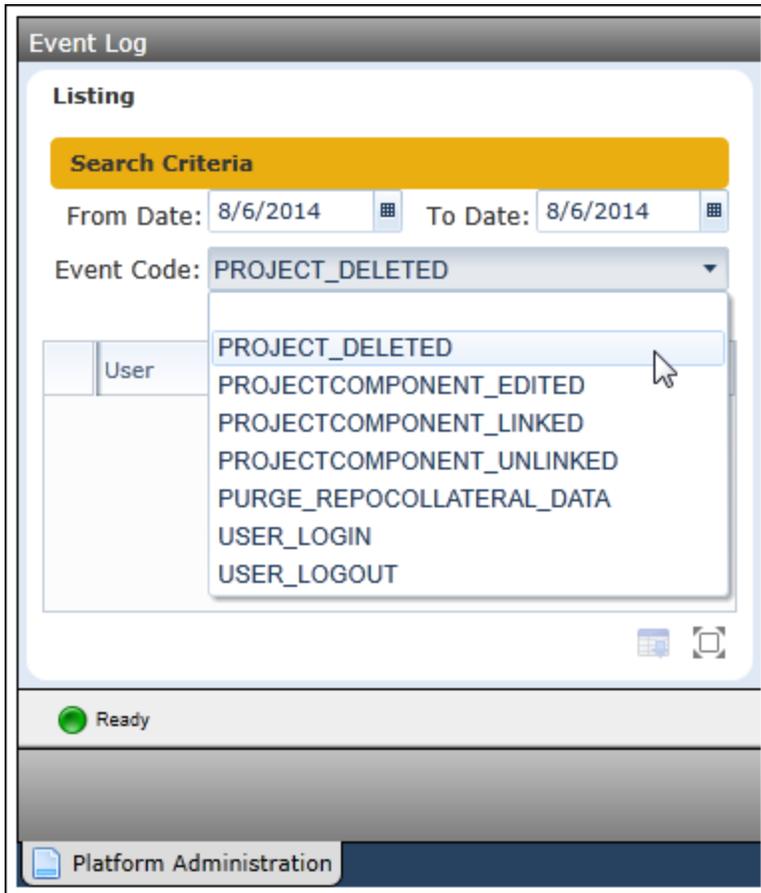
a. The event code associated with project deletion is *PROJECT_DELETED*.

Process Changes

Users that typically delete projects must have the user right assigned in order to do so going forward.

7. Larger values accommodated in "Local Currency Sold" and "Local Currency Bought" fields

Overview

The length of the *Local Currency Bought* and *Local Currency Sold* fund holdings fields were increased to accommodate larger values.

What's New

Field lengths for the *Local Currency Bought* and *Local Currency Sold* fund holdings fields were increased from 12 digits, with 6 decimal places (19,6) to 21 digits, with 6 decimal places (28,6).

1. Both the *Local Currency Bought* and *Local Currency Sold* fields will be able to accommodate the increased length via FTP dataload, Excel data import, and manual input of data via the **Fund Holdings** page.

2. Increased field lengths for both fields will be utilized when *Local Currency Bought* and/or *Local Currency Sold* information is mapped to calculation sheets.

3. Increased field lengths for both fields will be displayed in the preview pane of the **Project** page, and in PDF and XML output, when the *Local Currency Bought* and/or *Local Currency Sold* fields are used in output settings for portfolio statement templates.

Additional Information

The Data Import File Structures topic in the FundSuiteArc online Help system reflects the updated field length for the *Local Currency Bought* and *Local Currency Sold* fields.

Process Changes

Any workarounds currently in place due to the former (19,6) field length limitation can now be removed.

8. Portfolio statement templates: Ability to start new tables and change column header text

Overview

Enhancements were made to portfolio statement templates that will allow users to start a new table, set different table styles for each table, and create new tables when the column header text changes. This functionality allows for greater flexibility in output styles.

What's New

The *Column Header Captions* grid on the *Statement Detail* tab of the **Portfolio Statement Templates** page was renamed *Table Settings and Column Header Captions*, and several updates were made to the grid's layout and behavior.

1. The *Exception* column was replaced with a *New Table* column.

    a. Selecting a check box in the *New Table* column for a given statement item will cause the table containing the previous statement item(s) to stop and for a new table to start for that item.

        i. A new column header will be inserted beginning with the statement item for which the check box is selected, which can be seen in the portfolio statement preview on the **Project** page.

    b. All statement items for which the former *Exception* check box was selected in previous application versions will have the *New Table* check box selected upon database upgrade to version 2.0.0.

        i. This includes category exceptions, *Total Investments*, *Other Assets* and *Net Assets* items.

2. A *Table Style* column was added to the grid.

    a. Clicking in the *Table Style* cell for any row in the table displays a drop-down list of available table styles.

    b. Applying a different table style to an item will cause the table containing the previous statement item(s) to stop and for a new table to start, with the new table style assigned.

c. Upon database upgrade to version 2.0.0, the *Output Style Type* previously defined for the template via the **Document Structure Templates** page will be the default *Table Style* assigned to all portfolio statement items set to *[none]* in the *Table Style* column.

3. Changes in column header text from one statement item to another will automatically cause the table containing the previous statement item(s) to stop and for a new table to start.

a. When a change in the column header text occurs and a new table is started, a new column header can be seen in the portfolio statement preview on the **Project** page.

b. When the column header text changes from some user-defined value to empty, it is not be viewed as a change in text.

Additional Information

In conjunction with this functionality, a change was made to the way users set the number of columns on the **Portfolio Statement Template Output Settings** page. The slider control formerly found at the top of the *Detail* pane was removed and replaced by a *Columns* spinner control in the *Settings* pane at right of the page.
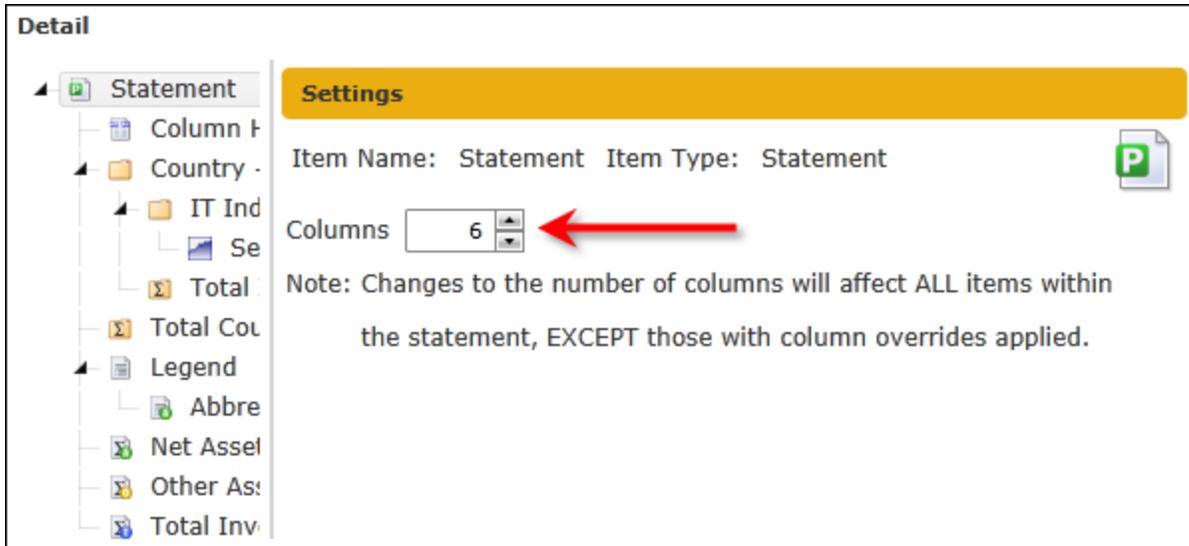
Note:

The new spinner control is currently enabled when the *Statement* node of the statement template is selected; the spinner is also visible when selecting other statement template items, however it will be disabled for these items in version 2.0.0. The spinner will be enabled in the 2.1.0 product release, along with some other new features, to allow a different number of columns for the various template items.
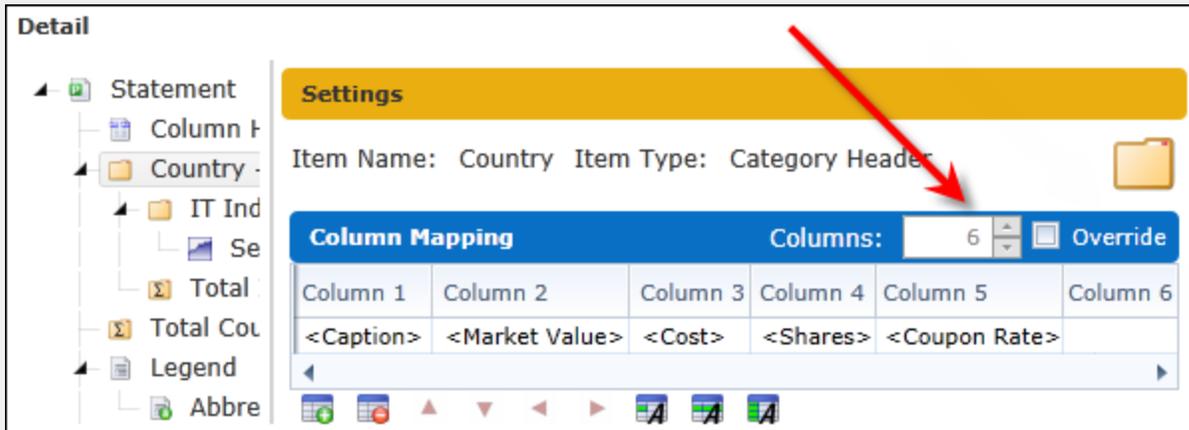
Process Changes

No changes to current processes are required.

9. Support ends for Windows XP operating system

Overview

RR Donnelley policy has been to support our products running on underlying technologies only for the period the core manufacturer (Microsoft in this case) supports them. Therefore, this release of FundSuiteArc products represents the last which will support deployment on the Windows XP operating system.

Process Changes

No changes to current processes are required.

Enhancements to ArcReporting

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

# 1.	Multiple filters when adding holdings data to a calculation sheet

Overview

ArcReporting was enhanced to allow a user to define multiple category filters when creating a holdings formula in a calculation sheet item. A user can choose one or more categories by which to group and an operator (*i.e.*, *equal to*, or *not equal to*) in order to sum together a group of securities.

What's New

The **Add Formula Element** dialogue was enhanced so that when a user adds a formula element to a calculation sheet item of type *Holdings*, multiple category filters can be specified.


1.	The user specifies an element *Type*.

> **Note:**
>
> The ability to define multiple category filters is available only when *Holdings Category*, *Holdings Category Subtotal*, or *Holdings Category Maturity Range* is the specified *Type*.

2. The user designates a *Value to sum*.

    a. The available *Value to sum* selections will vary, based on the specified *Type*.

3. *Categories by which to group* are displayed in a grid format.

    a. The grid is read-only and displays the category filter(s) defined by the user.

    b. The user can add (▣), remove (▣) or edit (▣) categories in the grid.

    c. When the user clicks the *Add new item to grid* button (▣), the **Add/Edit Categories by which to Group** dialogue displays.
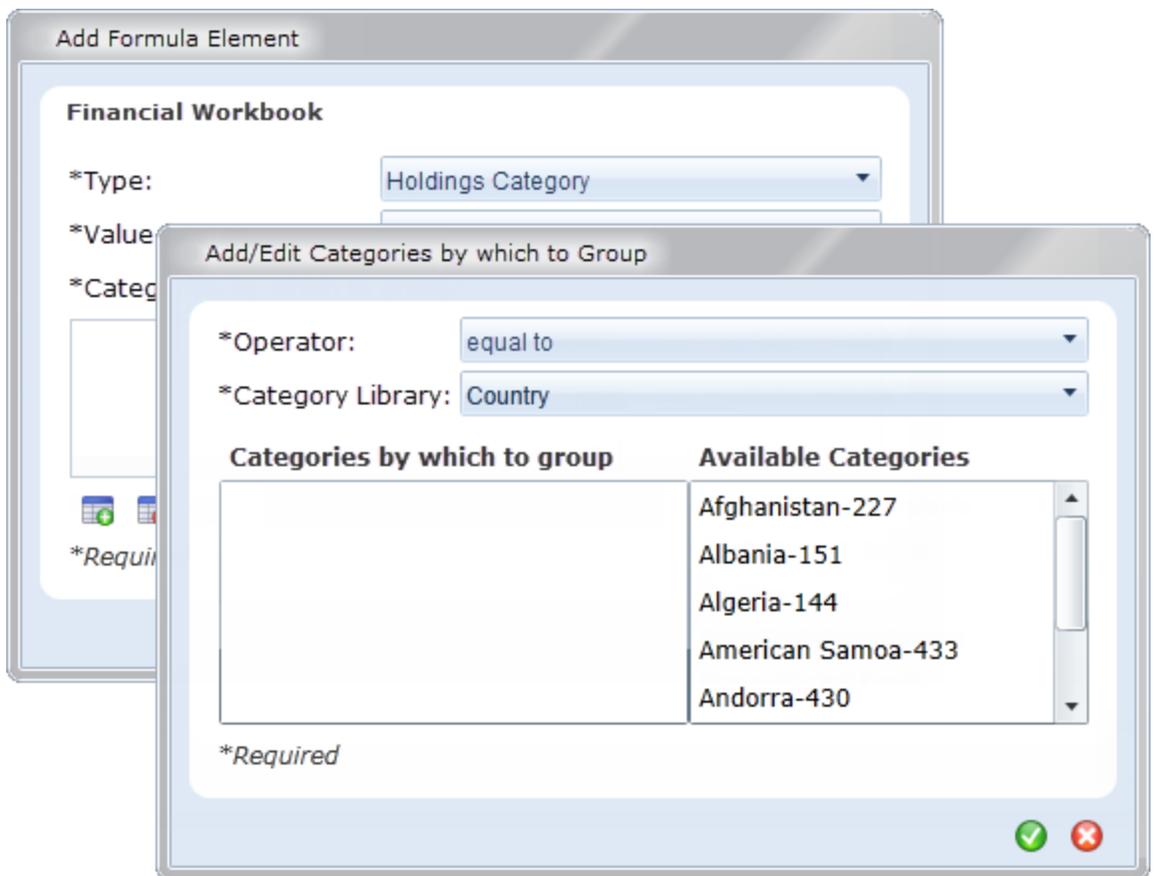
i. The user specifies the *Category Library* in which the desired category or categories reside.

   A. All "global" (non-complex-specific) category libraries and category libraries assigned to the complex with which the current financial workbook template is associated are available to the user.

ii. The user drags and drops categories from the *Available Categories* list box at right to the *Categories by which to group* list box at left to add categories to the filter; the user drags and drops categories from left to right to remove categories.

   A. The user can multi-select categories when adding or removing them to/from the filter.

   B. A given *Category Library* may only be added to the formula element grid once.

iii. The user indicates whether a category should be *equal to* or *not equal to* the specified category (ies) by means of the *Operator* drop-down list selection.

   A. If the user selects *equal to* for a given row in the grid, the specified *Value to sum* for categories matching those designated for that row will be included in the calculation.

B. If the user selects *not equal to* for a given row in the grid, the specified *Value to sum* for categories other than those listed for that row will included in the calculation.
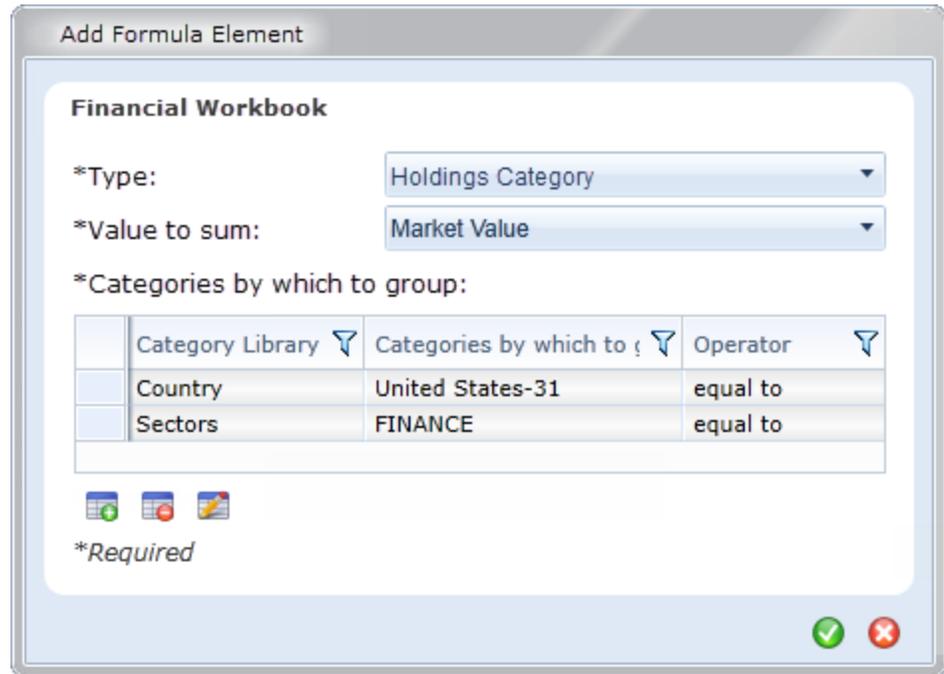
In the example above, the sum of the Market Value of all securities that have the country equal to *United States* and sector equal to *Finance* will be returned.

Additional Information

When upgrading to version 2.0.0, existing formula elements of type *Holdings Category*, *Holdings Category Subtotal*, or *Holdings Category Maturity Range* will be upgraded to the new user interface and can be edited to use the new functionality.

Process Changes

No changes to current processes are required.

2. Ability to copy calculation sheet items

Overview

ArcReporting was enhanced to allow a user to copy an existing calculation sheet item and add it to another section. Previously, a user could only add new calculation sheet items.

What's New

Users now have the ability to copy (drag-and-drop) a calculation sheet item from the *Financial Workbooks* sub-tab of the *Calculation Sheets* tab on the **Financial Workbook Templates** page and add that item to a section header.

1. The user designates the calculation sheet to which they wish to add a calculation sheet item from the drop-down list at upper-left of the *Calculation Sheets* tab, then specifies the calculation sheet containing the item from the drop-down list on the *Financial Workbooks* sub-tab at right.
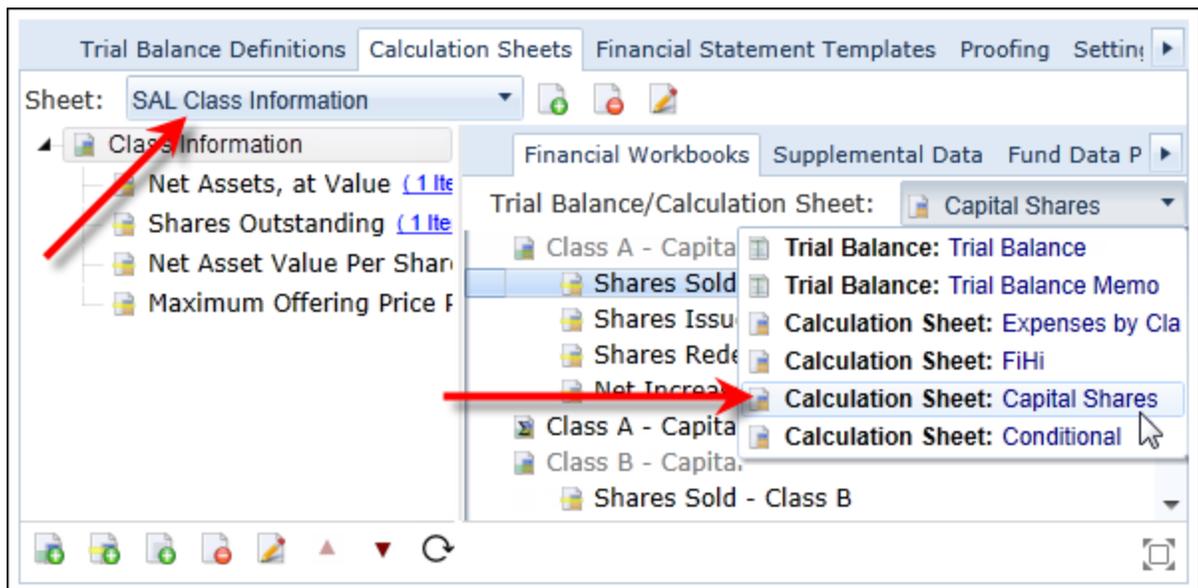

Note:

The drop-down list selections could be the same sheet; items can be copied from/to the same calculation sheet.

2. The user selects a calculation sheet item from the *Financial Workbooks* sub-tab and drags it to the section header of the calculation sheet in the left pane.
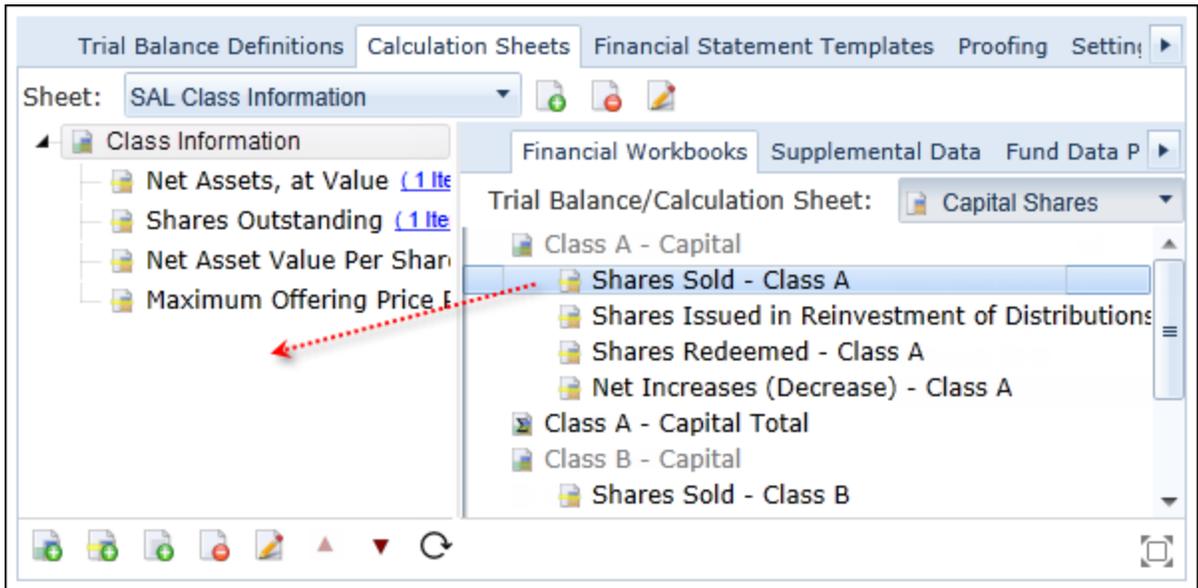
3. A copy of the calculation sheet item is added to the bottom of the section.

    a. The new item's name displays by default as *Copy of* + *<the name of copied calculation sheet item>*.
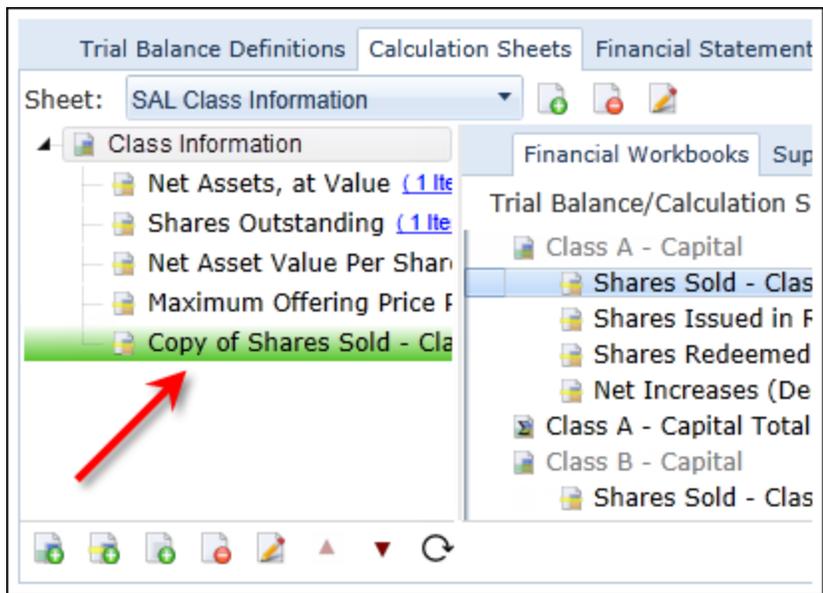
i. The user can edit the name and properties of copied item, as necessary.

Process Changes

Instead of creating each calculation sheet item as a new item, users can now copy existing items as a starting point for new items.

3.   "Absolute Value" setting for calculation sheet item formula elements

Overview

Functionality was added to ArcReporting to allow a user to designate that the absolute value of a given calculation sheet item formula element be used in the formula's calculation.

What's New

1. When a user adds or edits a calculation sheet item via the *Calculation Sheets* sub-tab of the **Financial Workbook Templates** page, they have the option to select a new *Absolute Value* check box for any given element in the *Formula* grid.

2. If the user selects the *Absolute Value* check box for a formula element, the absolute value of that element will be used in the calculation.

a. In the example above, the absolute value for the Class B: SOP_SOC element will be used in the calculation.

3. When a user clicks the value hyperlink for an item displayed in the grid of the *Calculation Sheets* tab of the **Financial Workbook** page, the **Calculation Sheet Item Detail** dialogue now displays whether or not the *Absolute Value* was used in the item's calculation.
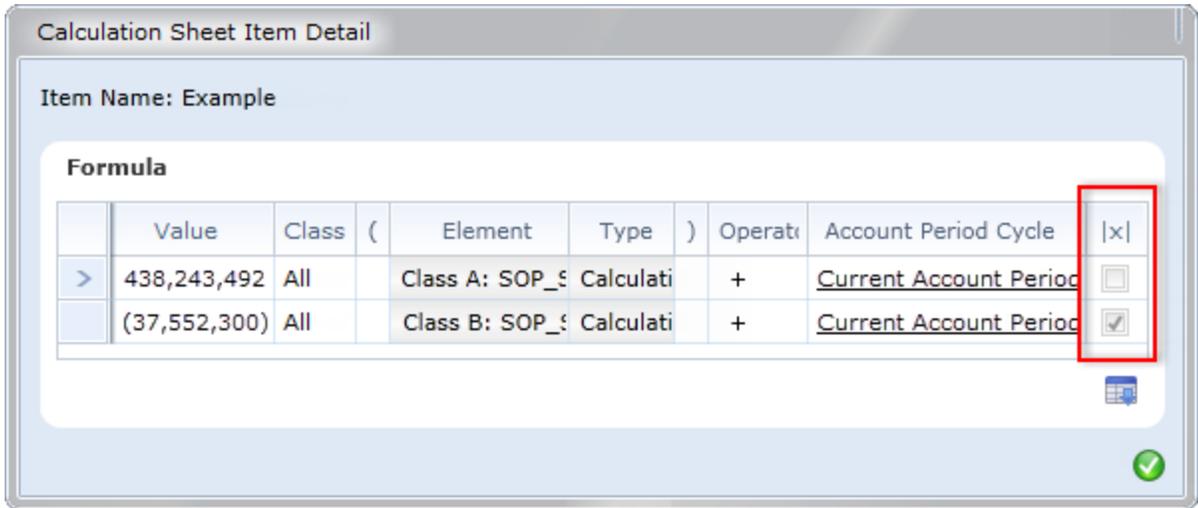
4. An *Absolute Value* column (*|x|*) was added to the *Financial Workbook* export file.

a. If a value of *TRUE* displays in the column for a given row in the spreadsheet, the absolute value of the formula element was used in the calculation.

b. If a value of *FALSE* displays in the column for a given row in the spreadsheet, the absolute value of the formula element was not used in the calculation.

5. An *Adjust Absolute Value Settings* user right was added in association with the new *Absolute Value* setting.

a. If a user has this right, they will be able to select/clear the *Absolute Value* option in the formula element settings.

b. If a user does not have the right, the *Absolute Value* option will be displayed but will be disabled.

Process Changes

- To enable this feature for standard application users, their associated user role(s) must updated to include the *Adjust Absolute Value Settings* user right. Upon database upgrade to version 2.0.0, only System Administrators will be able to use this feature by default.

- Users can employ the ***Absolute Value*** option when creating formulas, as opposed to multiplying items in the formula by *-1*.

4. Ability to display a variable number of periods based on account period type

Overview

ArcReporting was enhanced to facilitate the display of a variable number of periods in statement output based on the account period type specified for a project via the **Project Templates** page.

What's New

A *Display* option was added to the grid on the *Account Periods* sub-tab of the *Financial Statement Templates* tab on the **Financial Workbook Templates** page. A user can specify when a given *Period Type* for the statement template is to be displayed in output, based on the *Account Period* designated for the project via the **Project Templates** page.
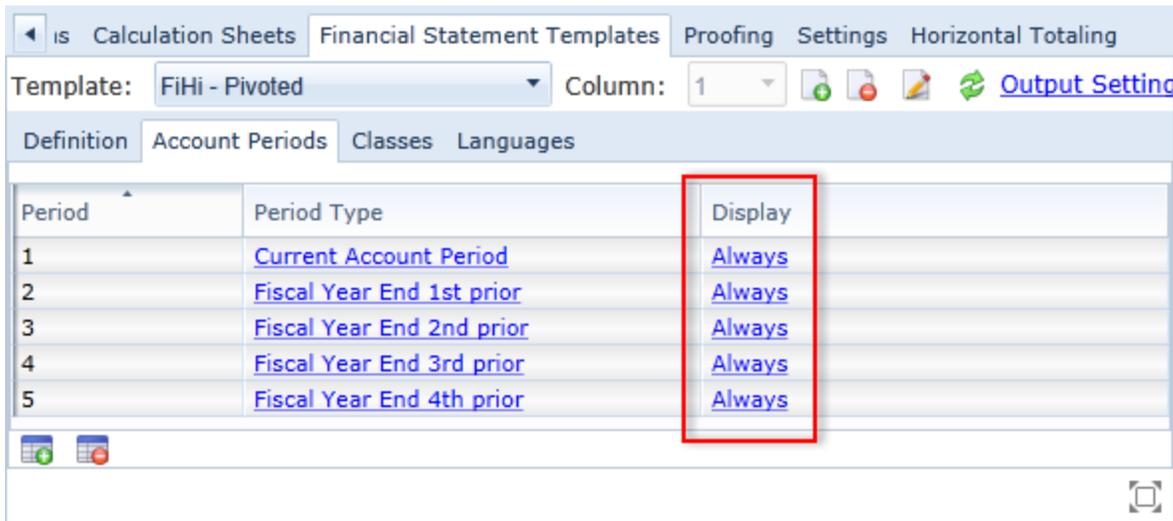
1. The user clicks the hyperlink in the *Display* column for a given account period type.

   The **Edit Period** dialogue displays.
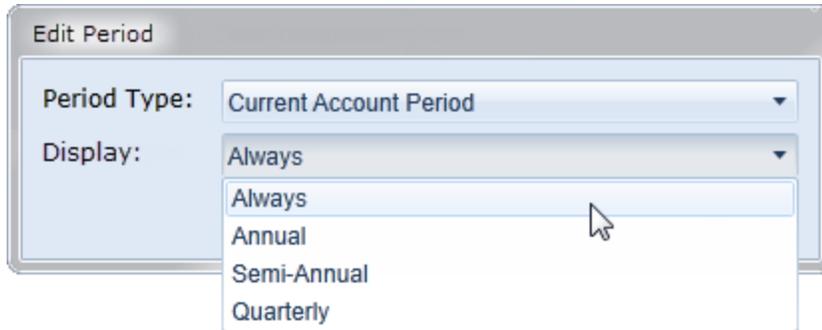
a. The user sets or confirms the *Period Type*.

> **Note:**
>
> Users can only choose a period type that has not already been defined in the *Account Periods* grid.

b. The user now has four *Display* options from which to choose in order to specify when the designated period type will be displayed:

    i. *Always* (default selection for newly-added period types)

        A. Causes data for the account period type to be displayed regardless of the *Account Period* specification for the project's template.

    ii. *Annual*

        A. Causes data for the period type to display only if the *Account Period* setting for the project's template is *Annual*.

    iii. *Semi-Annual*

        A. Causes data for the period type to display only if the *Account Period* setting for the project's template is *Semi-Annual*.

    iv. *Quarterly*

        A. Causes data for the period type to display only if the *Account Period* setting for the project's template is *Quarterly*.

Additional Information

When upgrading to version 2.0.0, the *Display* option for all existing account periods will be set to *Always*. After upgrade, users can edit the *Display* option of existing account periods, as needed.

Process Changes

No changes to current processes are required.

5. Abbreviation legend enhancements

Overview

ArcReporting abbreviation legend logic was enhanced to recognize abbreviations that contain certain characters as valid abbreviations, and return them accordingly in the abbreviation legend. In previous application versions, abbreviations did not display in the statement abbreviation legend due to the presence of certain characters.

What's New

When abbreviations containing a comma, period, or space are present within a security's *Caption* or *Description* (1-20) fields, the abbreviation legend will now return those abbreviations.

- Comma (,)

   Example:
   Co,

- Period (.)

   Example:
   Co.

- Space

   Example:
   US LABOR

- Combination of any or all of the above

   Example:
   Co., Inc.

This update is applicable to the following application areas:

- *Abbreviations* tab of the **Fund Holdings** page.

- Abbreviation legends for portfolio statement preview and output.

Process Changes

Due to this limitation in previous application versions, some users utilized other fields (*e.g.*, *Description 1*, *Description 2*, etc.) to store abbreviations. After database upgrade to version 2.0.0, the abbreviations can be stored as part of the *Caption* field, and they will display in the legend in statement preview and output.

6. Ability to apply footnotes linked to fund holdings to fields other than "Caption"

Overview

Users now have increased flexibility with regard to footnotes that are linked to fund holdings. Similar to footnotes that are not linked to fund holdings, users may now define to which field a linked footnote should be applied for output purposes. Previous to this enhancement, footnotes linked to fund holdings were automatically applied to the *Caption Footnote* field.

What's New

The existing *Field* drop-down list label was changed to *Linked Field* and an *Apply To* drop-down list was added to the **Add/Edit Holdings Footnote Details** dialogue, accessed via the **Footnote Libraries - Holdings** page.

1. When the *Link footnote to fund holdings* check box is selected, the new *Apply To* drop-down list is enabled and the *Caption* field is selected by default (*i.e.*, the footnote is still applied to the *Caption* field by

default, as in previous application versions).

    a. Users now have the ability to specify some other field to which the footnote will be applied for statement output.

Process Changes

After database upgrade to version 2.0.0, all existing footnotes will be applied to the *Caption* field. Users can go into the footnote setup and change the field to which the footnote is applied. Settings on the **Portfolio Statement Template Output Settings** page may also need updated accordingly.

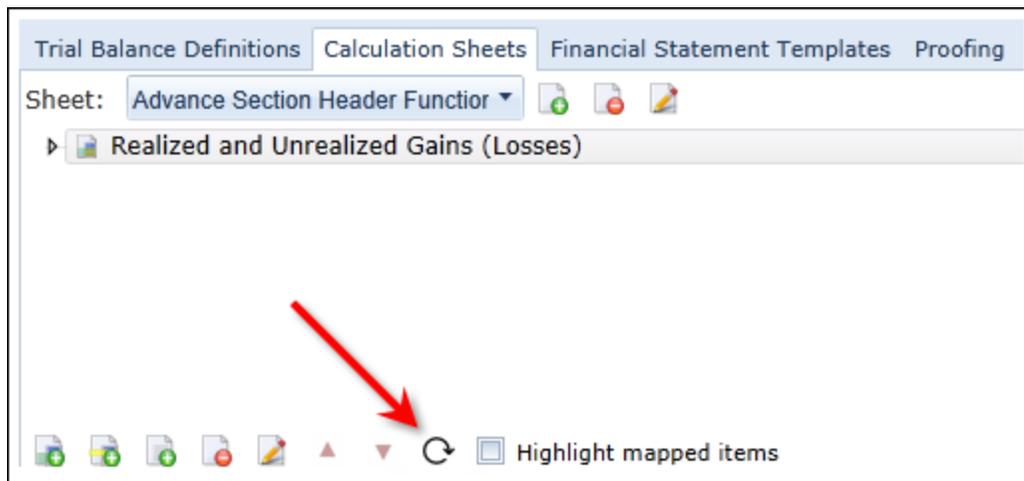# 7. Circular reference check in calculation sheets

Overview

Functionality was added to ArcReporting to allow a user to run a report that checks for circular references in calculation sheets.
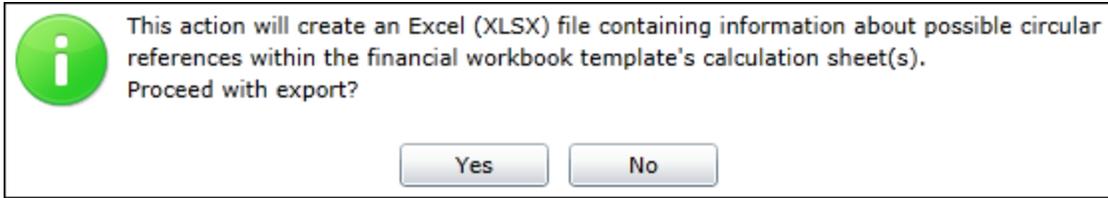
What's New

A button was added to the *Calculation Sheets* tab of the **Financial Workbook Templates** page to allow users to search for any potential circular references within the calculation sheet(s) of a given template.

> **Note:**
>
> A formula in a calculation sheet item that directly or indirectly refers to itself creates a circular reference. The most common form of circular references is when a calculation sheet item is added to itself (typically when defining a total of multiple items).

1. When the user clicks the *Generate calculation sheet circular reference audit report* button ( ), a confirmation message displays regarding an Excel audit report that will be generated.

This action will create an Excel (XLSX) file containing information about possible circular references within the financial workbook template's calculation sheet(s).
Proceed with export?

Yes   No

a. When the user clicks the **Yes** button, a request is sent to the Output Queue to generate the Excel file containing the audit report.

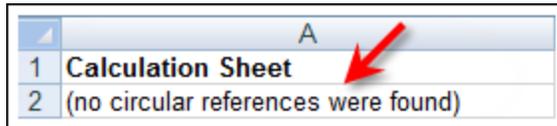Output request submitted successfully. You may go to the Output Queue to check request status.

Ok
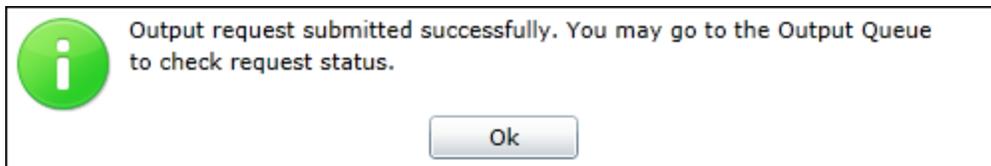
2. Once the audit report is successfully created, the user can view the Output Queue using the associated button at upper-right of the screen and save the Excel file to a local or network drive.

a. The Excel file contains a series of columns that identify the calculation sheet item(s) in which the circular reference(s) exist(s):

	A	B	C	D
1	Calculation Sheet	Calucaltion Sheet Section	Calculation Sheet Item	Calculation Sheet Item Circular Reference
2	REGRESSION CALC SHEET - WTB/Fund/Class/Supplemental/Calc Sheet Items	Circular Ref 1	Circular Ref calling itself 1 calling 1	Circular Ref calling itself 1 calling 1: REGRESSION CALC SHEET - WTB/Fund/Class/Supplemental/Calc Sheet Items
3				
4	REGRESSION CALC SHEET - WTB/Fund/Class/Supplemental/Calc Sheet Items	Circular Ref 1	Circular Ref A+B = C	Circular Ref A+B = C: REGRESSION CALC SHEET - WTB/Fund/Class/Supplemental/Calc Sheet Items
5	REGRESSION CALC SHEET - WTB/Fund/Class/Supplemental/Calc Sheet Items	Circular Ref 1	Circular Ref 3	Circular Ref 3: REGRESSION CALC SHEET - WTB/Fund/Class/Supplemental/Calc Sheet Items
6	REGRESSION CALC SHEET - WTB/Fund/Class/Supplemental/Calc Sheet Items	Circular Ref 1	Circular Ref 4	Circular Ref 4: REGRESSION CALC SHEET - WTB/Fund/Class/Supplemental/Calc Sheet Items
7	REGRESSION CALC SHEET - WTB/Fund/Class/Supplemental/Calc Sheet Items	Circular Ref 1	Circular Ref 5	Circular Ref 5: REGRESSION CALC SHEET - WTB/Fund/Class/Supplemental/Calc Sheet Items

i. *Calculation Sheet*

ii. *Calculation Sheet Section*

iii. *Calculation Sheet Item*

iv. *Calculation Sheet Item Circular Reference*

A. A circular reference that exists in a given calculation sheet item is identified in this column.

B. If the circular reference links to another calculation sheet, the information for that sheet is displayed in the immediate row below.

b. Each circular reference identified in the audit report is separated by a space (*i.e.*, and empty row) in the Excel file.

c. If no circular references are found, a message stating "(no circular references were found)" displays in the *Calculation Sheet* column of the Excel file.

Process Changes

No changes to current processes are required.
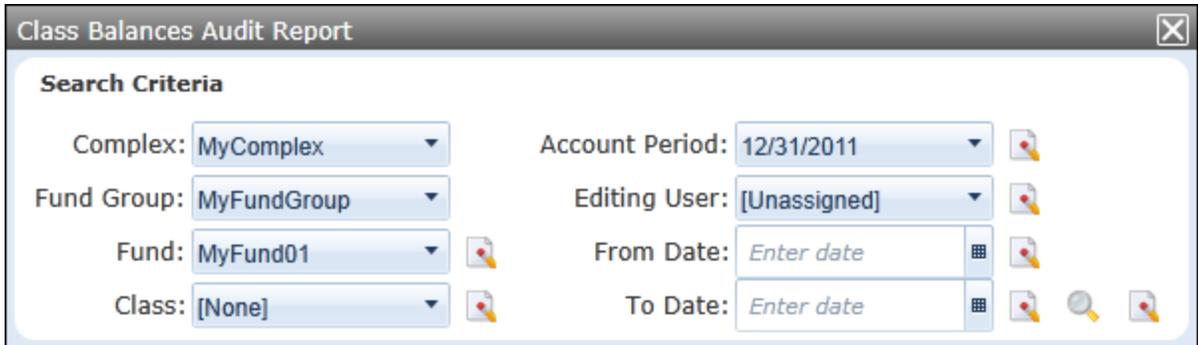
8. Class Balances Audit Report

Overview

An audit report was provided to allow users to track changes made to values in the *Class Balances* tab of the **Financial Workbook** page.

What's New

A *Class Balances Audit Report* item was added to the **Reports** menu section of the *Reporting Workspace* tab in ArcReporting. A user can run the report to track any changes made to the *Class Balances* tab of the **Financial Workbook** page.

1. When the user clicks the *Class Balances Audit Report* menu item, a new page of the same name displays that provides specific search criteria against which to run the audit report.
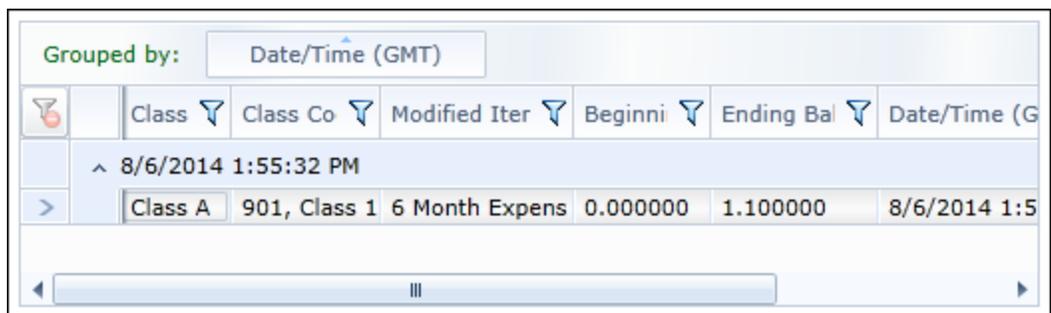
a. The user can search class balance audit report by the following criteria:

    i. Complex

    ii. Fund Group

    iii. Fund

    iv. Class

    v. Account Period

    vi. Editing User

    vii. From Date

    viii. To Date

b. After the user defines the desired search parameters, they click the **Search** button (🔍) to run the report.

    i. Report details display in the grid beneath the **Search Criteria** pane.

c. The report can be exported to any of various file formats.

      i. The user clicks the *Export data* button (▣) at lower-right of the grid to do so.

An **Export Grid Data** dialogue displays with the export file format options.

ii. The user specifies the desired file format, clicks the *Accept* button (✓) and designates the export location and file name on the **Save As** dialogue that displays.

Process Changes

No changes to current processes are required.

9. Fund Data Points Audit Report

Overview

An audit report was provided to allow users to track changes made to values in the *Fund Data Points* tab of the **Financial Workbook** page.

What's New

A *Fund Data Points Audit Report* item was added to the **Reports** menu section of the *Reporting Workspace* tab in ArcReporting. A user can run the report to track any changes made to the *Fund Data Points* tab of the **Financial Workbook** page.

1. When the user clicks the *Fund Data Points Audit Report* menu item, a new page of the same name displays that provides specific search criteria against which to run the audit report.
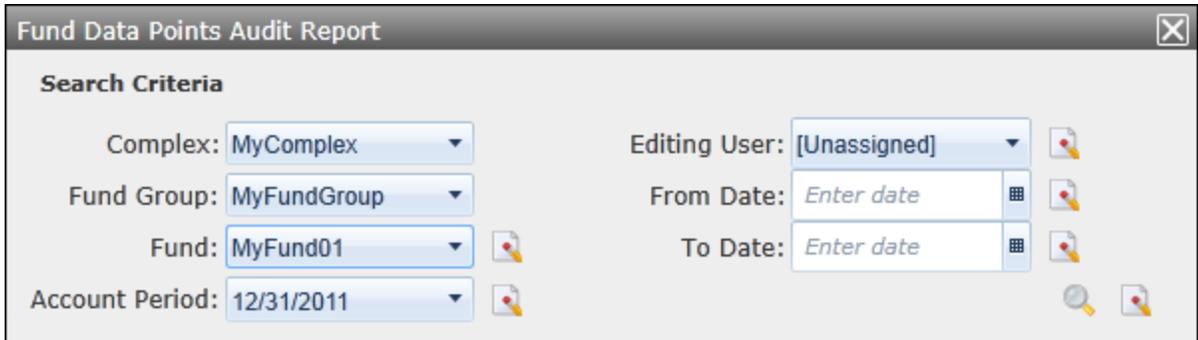
a. The user can search fund data points audit report by the following criteria:

    i. Complex

    ii. Fund Group

    iii. Fund

    iv. Account Period

    v. Editing User

    vi. From Date

    vii. To Date

b. After the user defines the desired search parameters, they click the **Search** button ( ) to run the report.

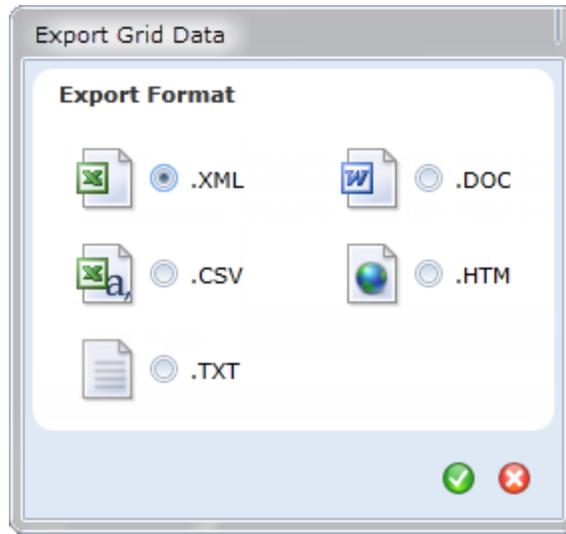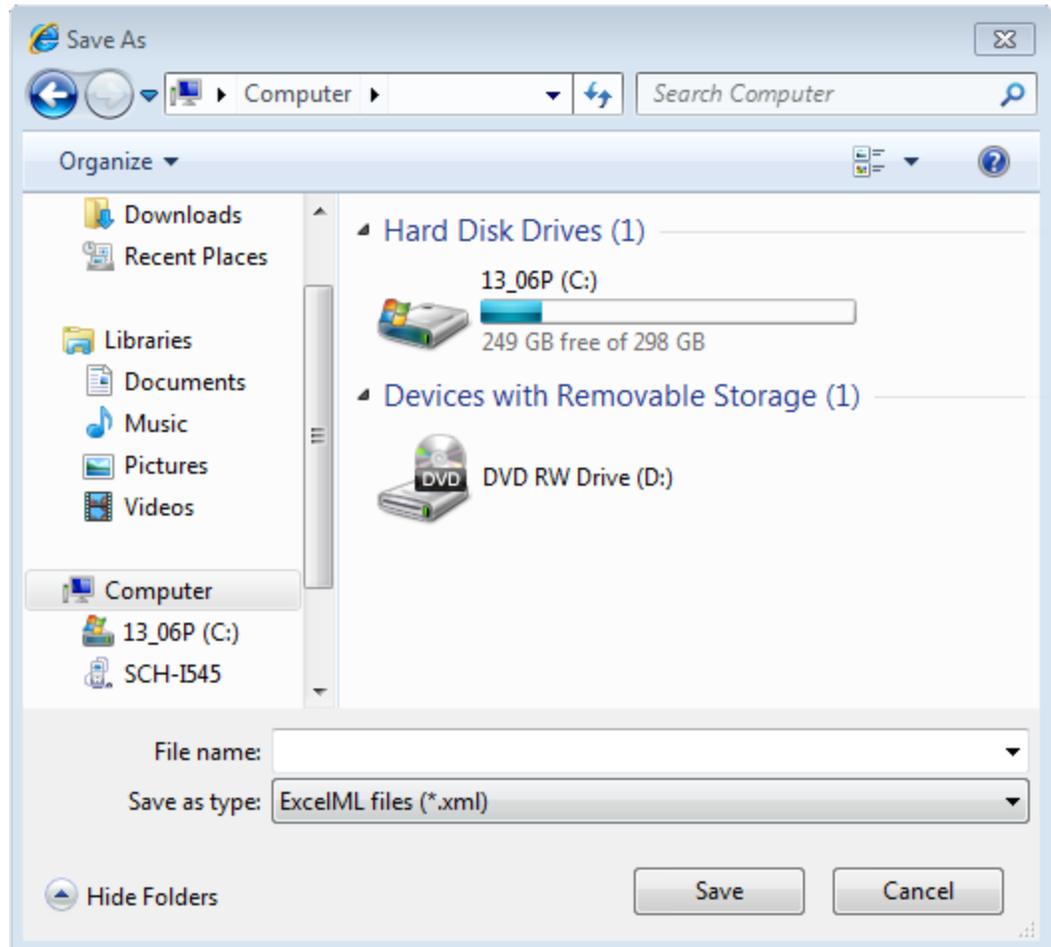   i. Report details display in the grid beneath the **Search Criteria** pane.

c. The report can be exported to any of various file formats.

    i. The user clicks the **_Export data_** button (▦) at lower-right of the grid to do so.

       An **Export Grid Data** dialogue displays with the export file format options.

ii. The user specifies the desired file format, clicks the *Accept* button (✓) and designates the export location and file name on the **Save As** dialogue that displays.

Process Changes

No changes to current processes are required.

10. Supplemental Data Audit Report

Overview

An audit report was provided to allow users to track changes made to values in the *Supplemental Data* tab of the **Financial Workbook** page.

What's New

A *Supplemental Data Audit Report* item was added to the **Reports** menu section of the *Reporting Workspace* tab in ArcReporting. A user can run the report to track any changes made to the *Supplemental Data* tab of the **Financial Workbook** page.

1. When the user clicks the *Supplemental Data Audit Report* menu item, a new page of the same name displays that provides specific search criteria against which to run the audit report.
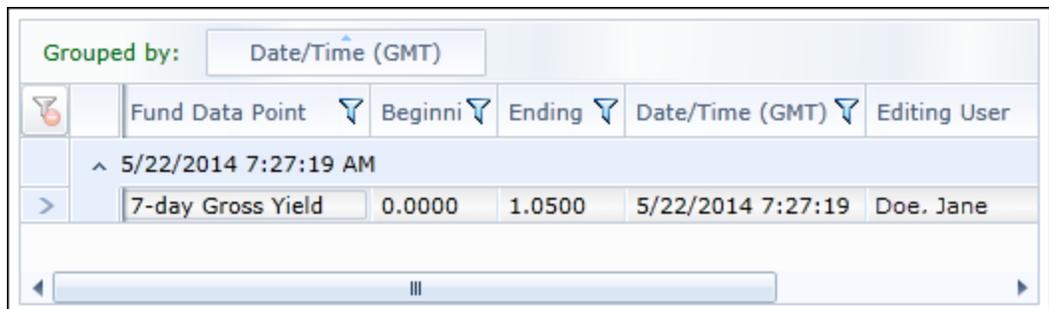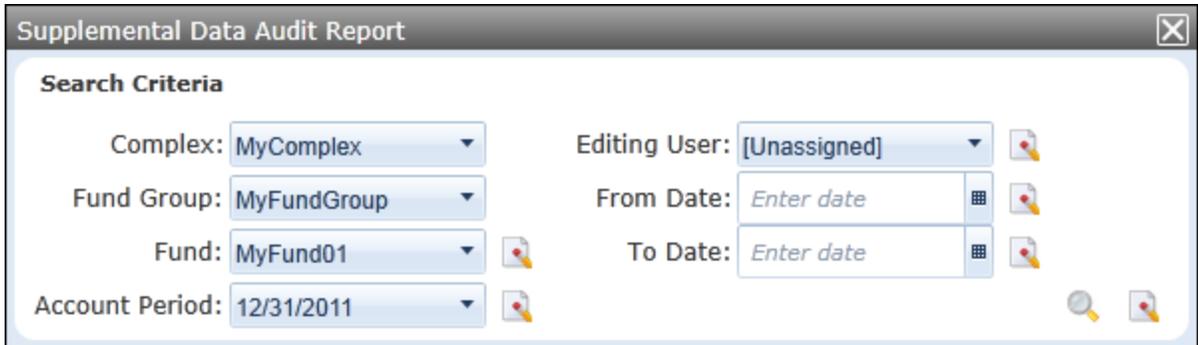
a. The user can search supplemental data audit report by the following criteria:

    i. Complex

    ii. Fund Group

    iii. Fund

    iv. Account Period

    v. Editing User

    vi. From Date

    vii. To Date

b. After the user defines the desired search parameters, they click the ***Search*** button (🔍) to run the report.

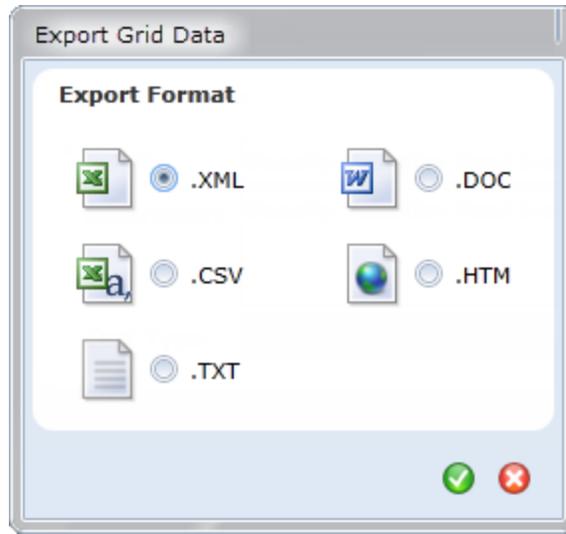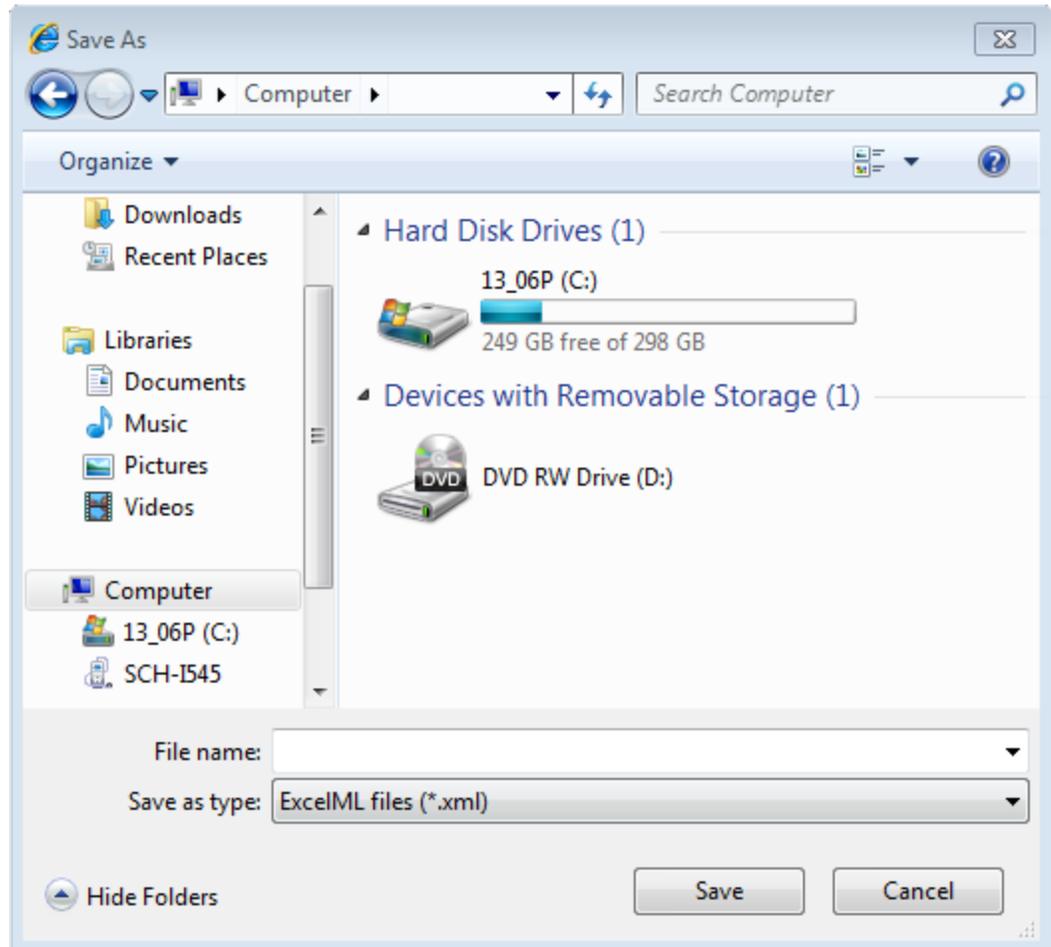   i. Report details display in the grid beneath the ***Search Criteria*** pane.

c. The report can be exported to any of various file formats.

   i. The user clicks the *Export data* button (🖼️) at lower-right of the grid to do so.

   An **Export Grid Data** dialogue displays with the export file format options.

ii. The user specifies the desired file format, clicks the *Accept* button (✔) and designates the export location and file name on the **Save As** dialogue that displays.

Process Changes

No changes to current processes are required.

11. Ability to define captions based on account period

Overview

ArcReporting was enhanced to allow users to specify *Account Period* as the basis of a conditional formula expression defined in the **Custom Data Points Libraries** page. This enhancement allows a user to create a data point and attach it to the output settings so the text displayed in output will vary, based on whether or not the conditions of the data point formula are met.

What's New

1. An ***Account Period*** selection was added to the ***If*** drop-down list of the **Add Conditional Formula Element** dialogue that is invoked from the **Custom Data Points Libraries** page.

    a. A user clicks the ***Add new item to grid*** button () on the **Custom Data Point Libraries** page to add a new data point to the library.

    The **Add/Edit Custom Data Point** dialogue displays.

b. The user specifies *Conditional Value* as the data point *Type*, then clicks the ***Add formula element*** button (📋) to add a new formula element.

The **Add Conditional Formula Element** dialogue displays.
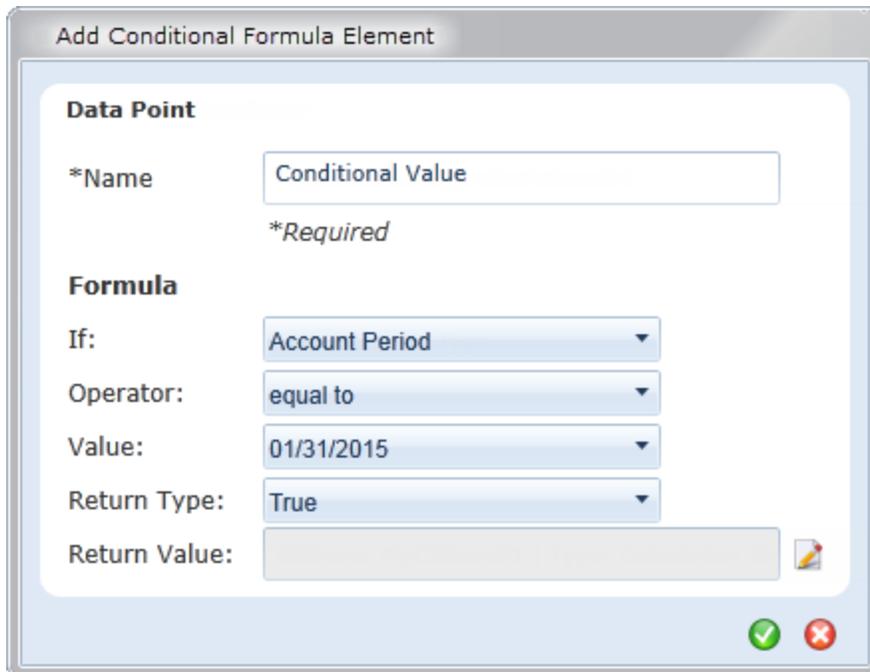
i. The user now has the option to select an ***If*** type of *Account Period* as the basis of the formula element expression.

ii. The user defines the remainder of the formula element expression to create the condition for the new data point.

> **Note:**
> The user can only specify a ***Return Value*** of plain text. This also applies to the ***Return Value*** if no conditions are met.

iii. The user clicks the ***Accept*** button (✅) at lower-right of the dialogue and the new data point is created.

2. Custom data points with conditional formulas based on account period be can be added directly to the *Mapping* grid of the **Financial Statement Template Output Settings** page.
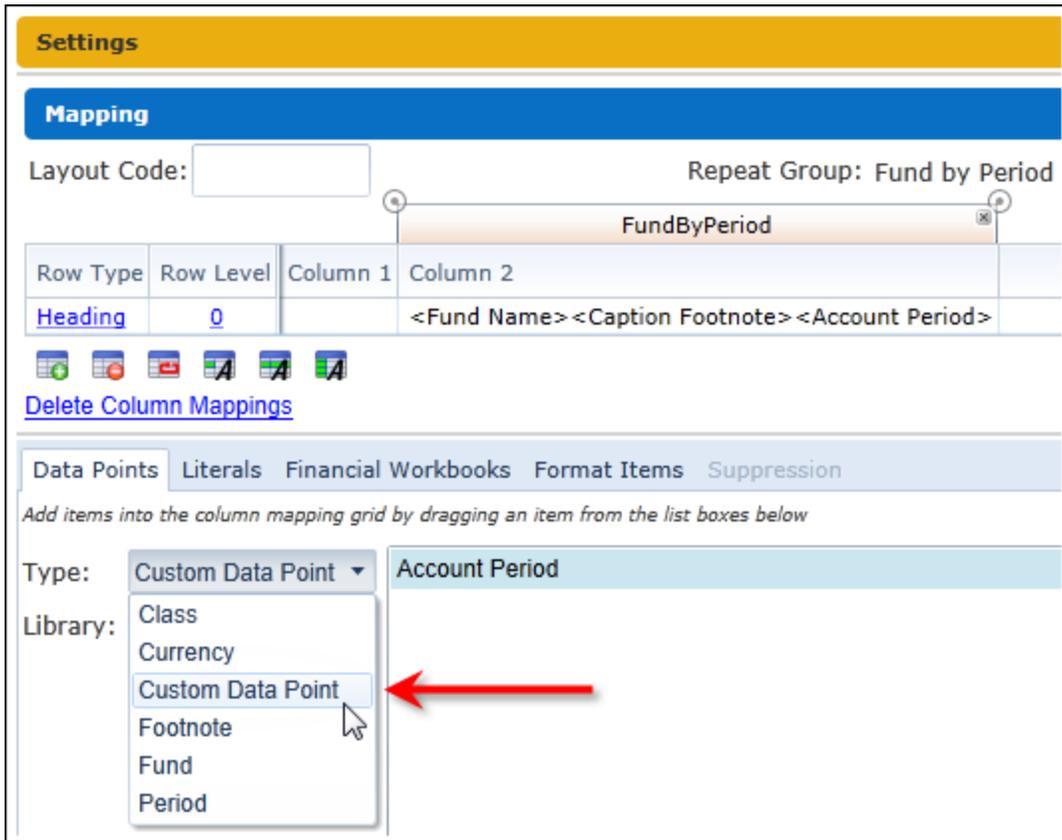
a. When a user specifies *Custom Data Point* as the *Type*, a *Library* drop-down list is displayed, by means of which the user can choose which data point(s) to assign to the statement.
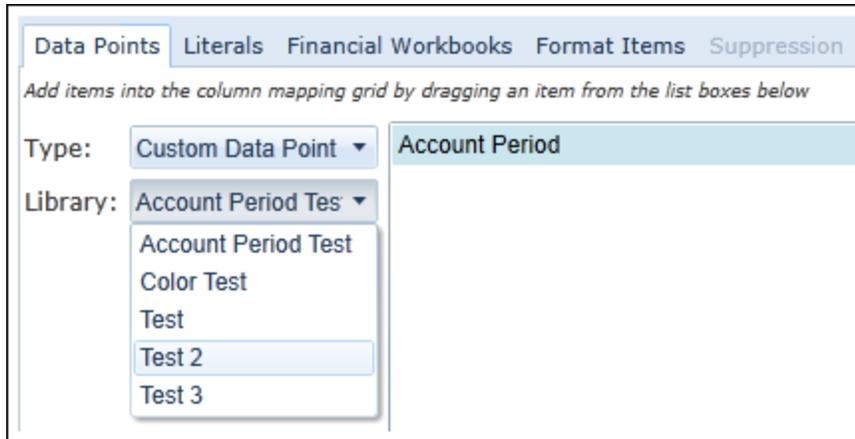
b. The user can drag the desired data point(s) to the appropriate statement column(s).

Process Changes

No changes to current processes are required.

12.   Advanced financial statement line item suppression logic

Overview

ArcReporting was enhanced to allow users to suppress a financial statement line item dependent on the condition(s) specified in an associated *Advanced Suppression* formula.

What's New

An *Advanced suppression* check box option was added to the *Suppression* tab of *Settings* pane on the **Financial Statement Template Output Settings** page. Selecting the check box allows users to define condition(s) under which selected line items are suppressed in statement output.
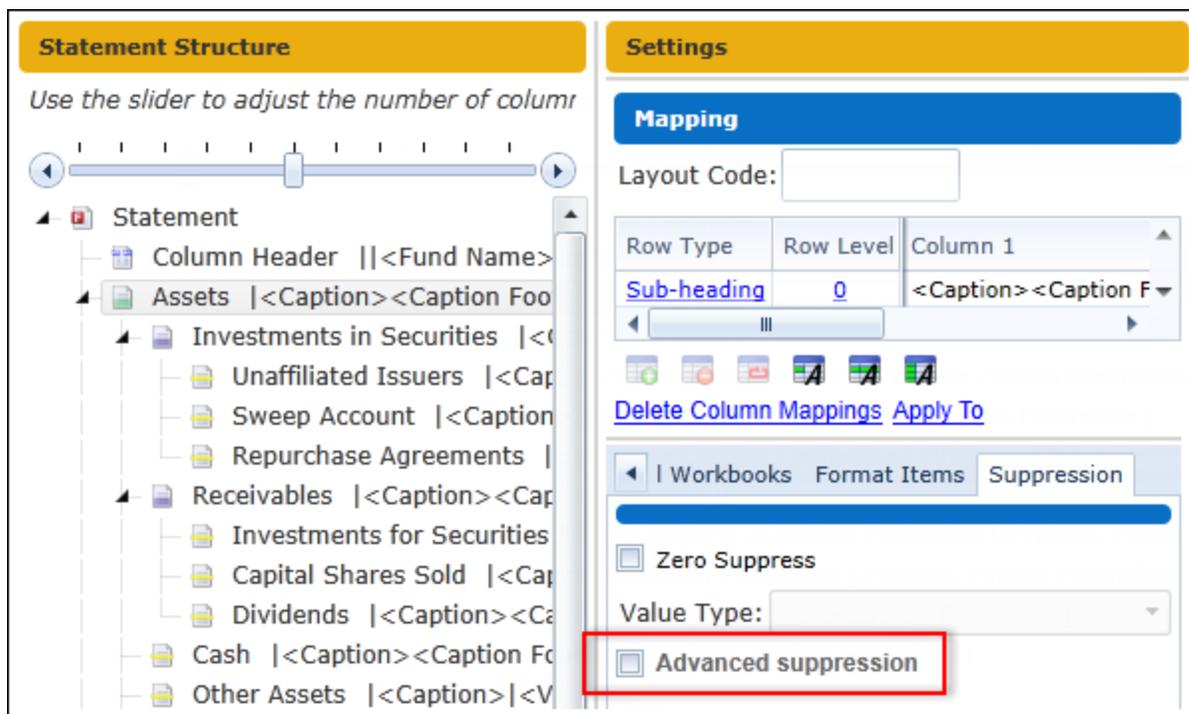
1. When the user selects the *Advanced suppression* check box, the suppression feature is enabled for the line item and the *Advanced suppression* label becomes a clickable blue link.
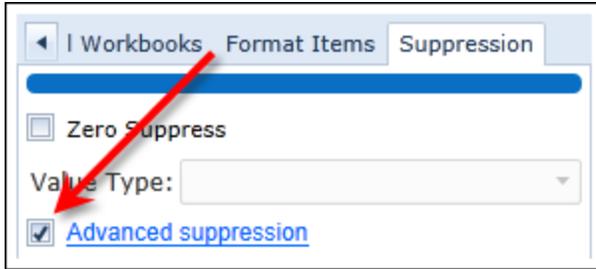
2. The user clicks the link in order to define a conditional formula.

   The **Advanced Suppression** dialogue displays.
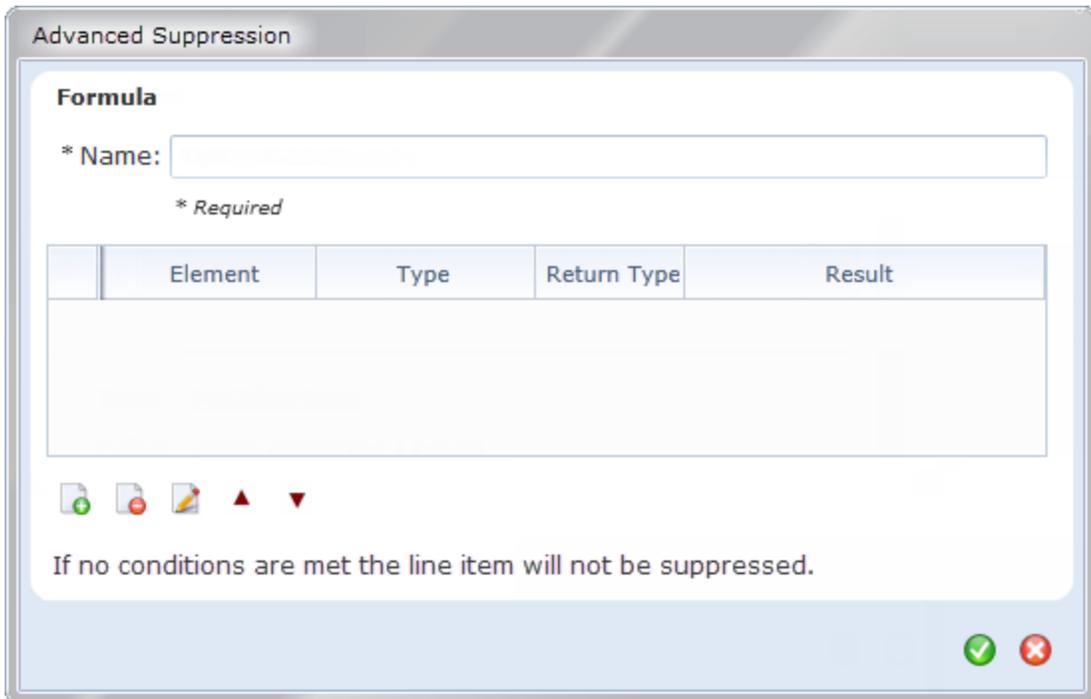
   a. The user clicks the **_Add formula element_** button ( ) to add one or more formula elements defining the condition(s) under which the line item will be suppressed.

i. When the specified condition(s) return(s) *True*, the return value is set to suppress the line item.

b. If the specified condition(s) return(s) *False* (*i.e.*, no conditions are met), the return value is set to **not** suppress the line item.
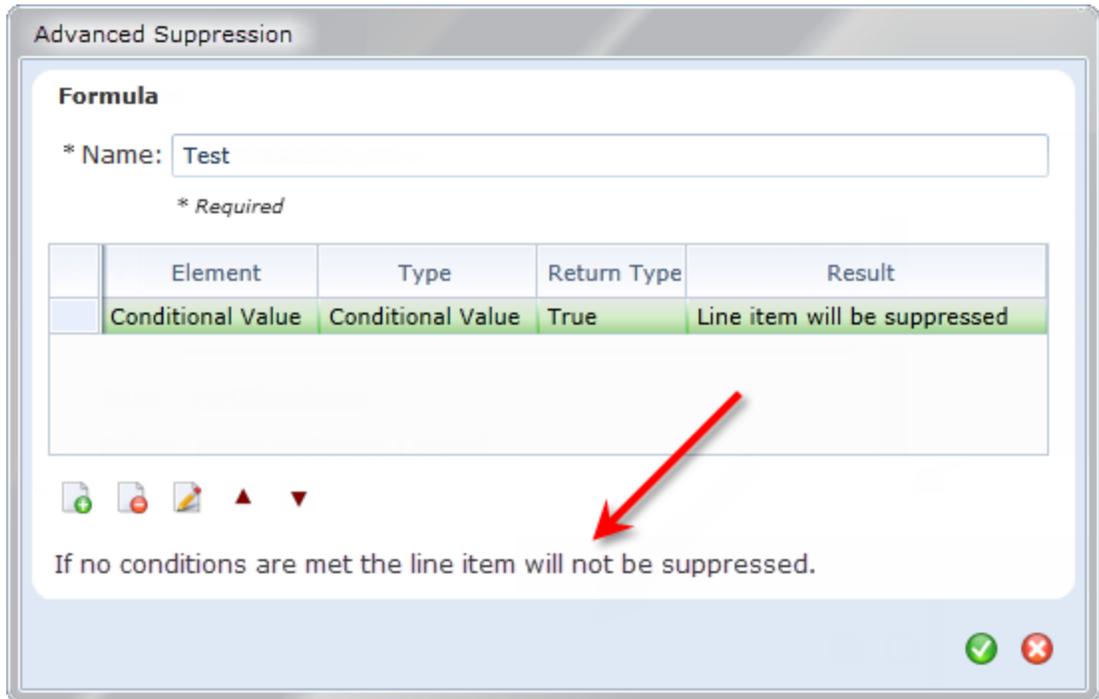
c. The user clicks the *Accept* button ( ) at lower-right of the dialogue once the conditional formula is defined.

3. The *Advanced suppression* label is appended with the name specified for the conditional formula (*e.g.*, *Advanced suppression: Test*).
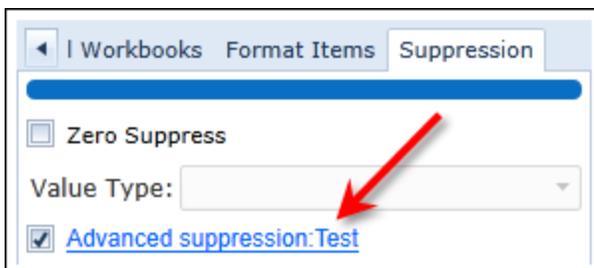
Process Changes

No changes to current processes are required.

13. Financial Workbook Export enhancements

Overview

Export functionality on the **Financial Workbook** page was enhanced to allow users to specify which worksheets to include in the *Financial Workbook Export* output file. Users can create and save custom export profiles that can be run on future occasions by any FundSuiteArc user, or they can simply specify an export setup for one-time use.

What's New

In previous versions of ArcReporting, a user only had the ability to export **all** worksheets contained in the financial workbook for a given fund and account period. Now, a user can specify precisely which worksheet(s) to export when they click the *Export financial workbook* button ( ) on the **Financial Workbook** page through use of a new *Export Profile* drop-down list and associated controls.
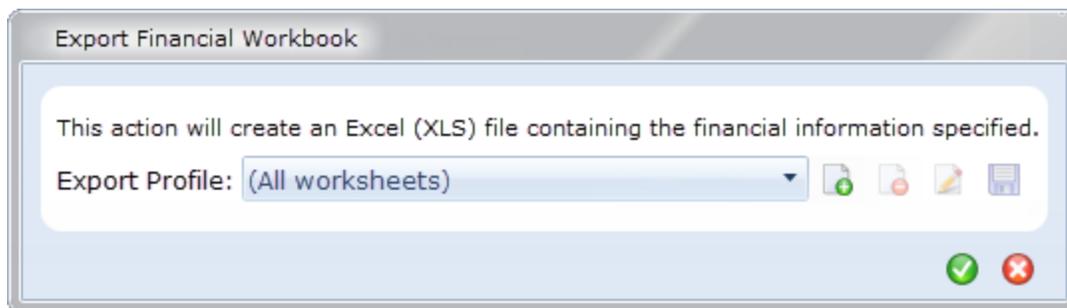
1. The default selection for the *Export Profile* drop-down list is *(All worksheets)*. When this selection is specified, the resulting export file will be the same as in previous application versions, including all the worksheets available in the financial workbook.

2. If the user specifies the *(User-defined)* drop-down list selection, an "on-the-fly" export can be defined and executed.
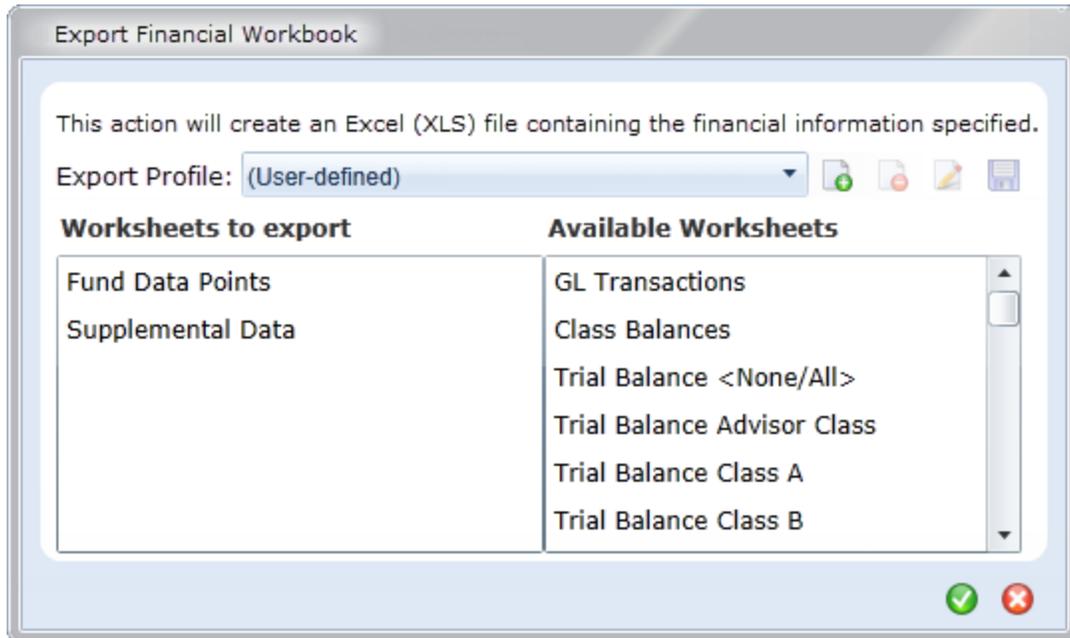
a. The user can drag-and-drop the desired worksheet(s) from the *Available Worksheets* pane at right of the dialogue into the *Worksheets to export* pane at left.

    i. Only the worksheet(s) added to the left pane will be contained in the export file.

3. Any predefined export profiles created by the current user or other users will also be available for selection in the drop-down list.

4. If a user is granted the new *Add/Edit/Delete Financial Workbook Export Profiles* right, s/he can create new export profiles or manage existing profiles by means of the buttons at right of the *Export Profile* drop-down list.

a. A user can click the *Add* button ( ) to create a new export profile that will be saved and available for future use.

Add Financial Workbook Export Profile

Export Profile: | Trial Balance Profile

i. The user first provides a unique name for the profile.

ii. The user then specifies the worksheet(s) they would like to be part of the custom export.

Export Financial Workbook

This action will create an Excel (XLS) file containing the financial information specified.

Export Profile: Trial Balance Profile

Worksheets to export	Available Worksheets
Trial Balance <None/All>	GL Transactions
Trial Balance Advisor Class	Fund Data Points
Trial Balance Class A	Class Balances
Trial Balance Class B	Supplemental Data
Trial Balance Class C	18483 Demo
Trial Balance Class R	25331 test

b. When a user-created export profile is selected in the drop-down list, users can click the **_Delete_** button (
) to delete that profile.

c. When a user-created export profile is selected in the drop-down list, users can click the **_Edit_** button ( )
to edit the name of the profile.

d. When a new export profile is being created, or when an existing profile is selected in the drop-down list users can save changes to the profile by clicking the *Save* button (💾). All saved profiles are available for future use by any FundSuiteArc user with access to the **Financial Workbook** page.
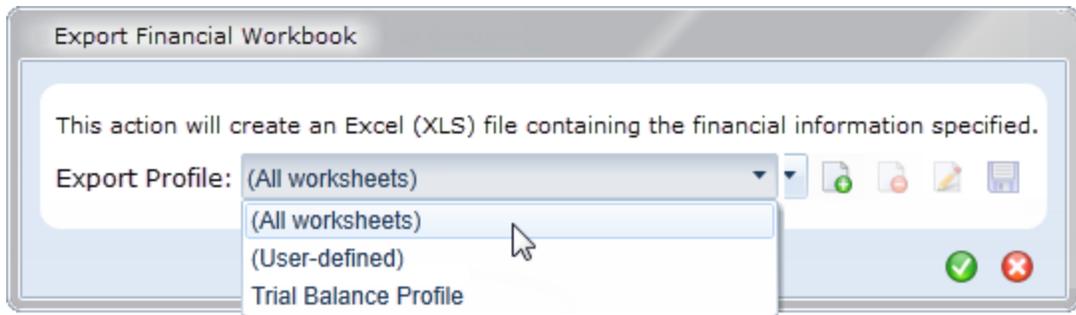
5. The user clicks the *Accept* button (✅) at lower-right of the **Export Financial Workbook** dialogue to begin the export process, based on the specified export profile settings.

   a. A notification message displays to indicate that the export request was sent to the Output Queue.
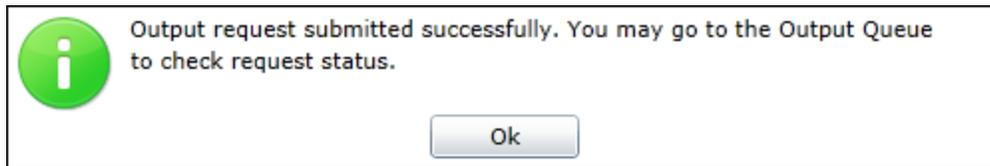
   b. The user can retrieve the export file from the Output Queue when the file is successfully created.

6. An *Add/Edit/Delete Financial Workbook Export Profiles* user right was added in association with this new functionality.

   a. If a user has this right, they will be able to add, edit and delete all export profiles in the database.

   b. If a user does not have the right, they cannot edit, but they can view and use existing export profiles.

   c. All users can use the *User-defined* export functionality.

Process Changes

In order to for standard users add, edit and/or delete export profiles, their associated user role(s) must updated to include the *Add/Edit/Delete Financial Workbook Export Profiles* user right. Upon database upgrade to version 2.0.0, only System Administrators will be able to perform these functions by default.

14. Identify existing item mapping on calculation sheets

Overview

Functionality was added to the *Calculation Sheets* tab of the **Financial Workbook Templates** page to allow users to identify if available items were already mapped to a given calculation sheet. If an item has already been mapped to the selected calculation sheet, the item is displayed in the right pane with a green background color. Users can now also right-click on any available item to see the calculation sheet(s) in the current workbook template to which it is mapped, if any.

What's New

A *Highlight mapped items* check box was added to the bottom of the *Calculation Sheet* tab of the **Financial Workbook templates** page.
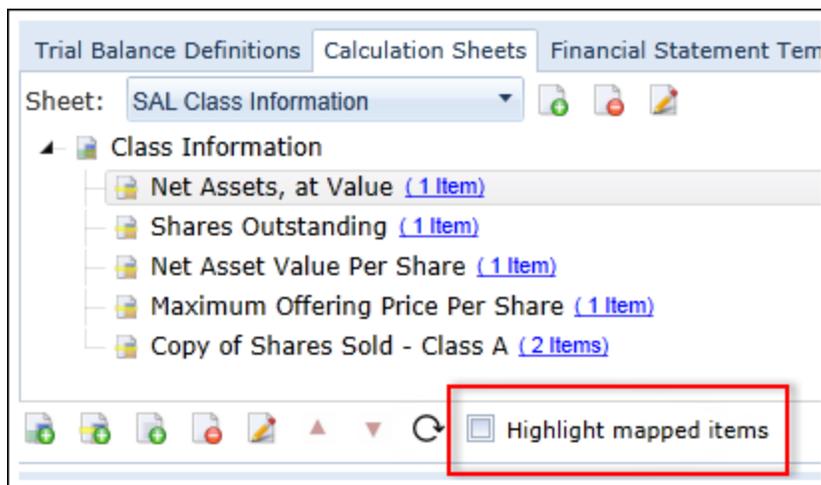
1. When the user selects the *Highlight mapped items* check box, all items mapped to the selected calculation sheet display with a green background color on their respective sub-tab (*i.e.*, Financial Workbooks, *Supplemental Data*, *Fund Data Points*, etc.) at right of the page.
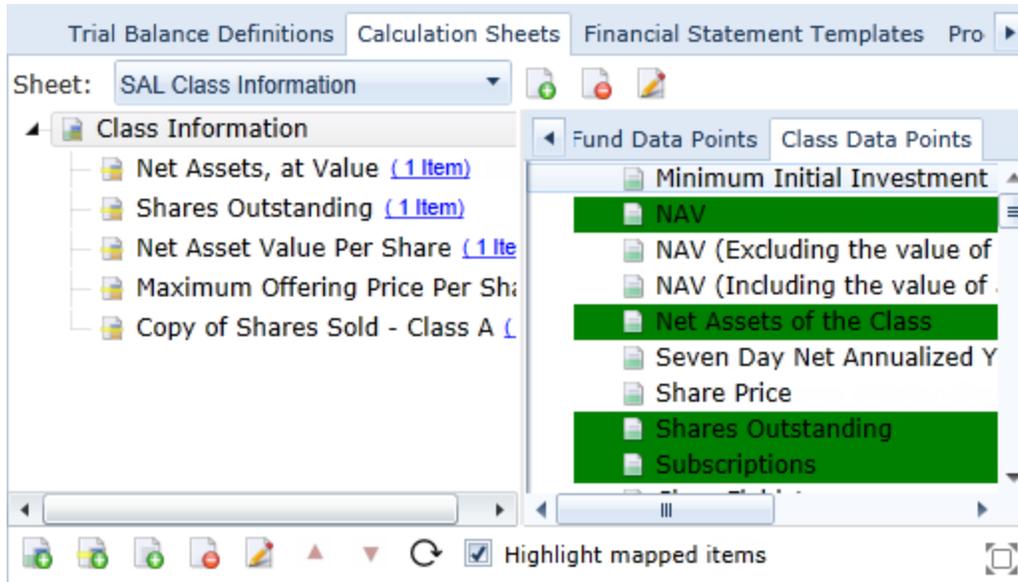
Note:

Only the items that are mapped to the currently-selected calculation sheet will display with a green background color.

2. A user can right-click on any item in any sub-tab at right of the page and select *View Mapping Details* from the context menu to display a listing of the calculation sheet(s) in which the item is mapped, if any.
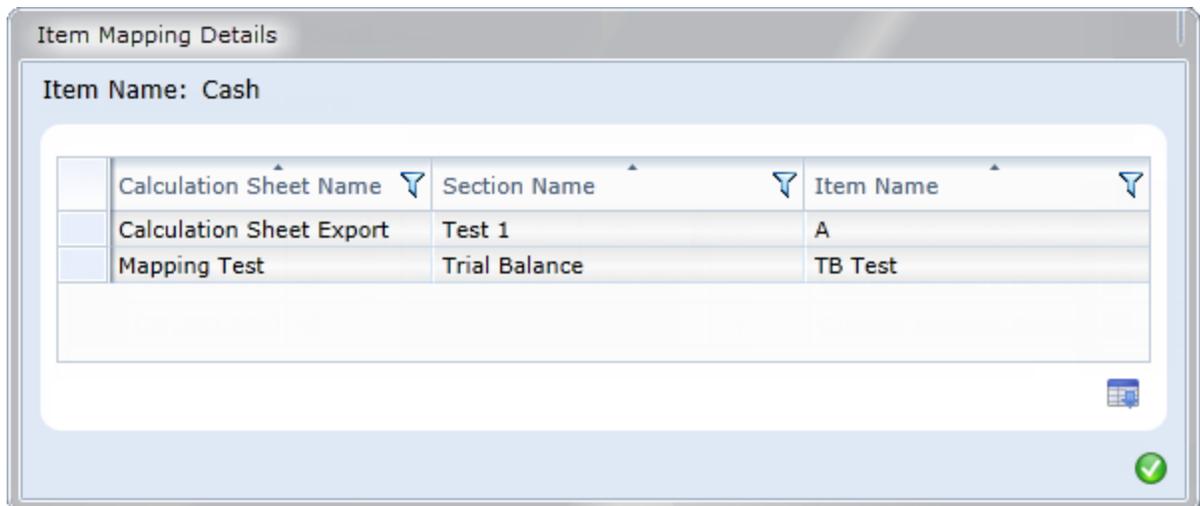
a. A grid on the **Item Mapping Details** dialogue that displays indicates the *Calculation Sheet Name*, *Section Name* and *Item Name* to which the item is mapped.

Process Changes

No changes to current processes are required.

15. Ability to add multiple formula elements to calculation sheet items of type "Holdings"

Overview

ArcReporting was enhanced to allow a user to add multiple formula elements to calculation sheet items of type *Holdings*.

What's New

In previous versions of ArcReporting, if a user set up a calculation sheet item of type *Holdings*, they could only add one element to the item's formula. With this enhancement, users can add multiple elements to a given calculation sheet item's formula.

1. A user adds an item of type *Holdings* to a calculation sheet via the **Calculations Sheets** tab of the **Financial Workbook Templates** page.

a. The user adds an element to the item's formula.

b. The user can now add more elements to the formula, since the restriction against adding multiple formula elements was removed.

c. The user clicks the *Accept* button ( ) to save the item.

2. When a user clicks any item's value hyperlink on the *Calculation Sheets* tab of the **Financial Workbook** page, all formula elements for the item display in the pop-up dialogue.

3. Any additional elements that form part of a calculation sheet item's formula now also display in the Financial Workbook Export output file.

Process Changes

No changes to current processes are required.

16. Enhanced calculation sheet mapping details in the Financial Workbook Export file

Overview

Worksheets in the Financial Workbook Export file containing calculation sheet data were augmented to provide more mapping details for the end user.

What's New

When a user exports financial workbook data via the **Export financial workbook** button (🔽) at lower-right of the **Financial Workbook** page, the resulting file now contains the following new columns on the *Calculation Sheet Classes Across*, *Calculation Sheet Classes Down* and *Calculation Sheet Currency* worksheets:

- *Mapped to Element*

  - Displays the name of the element to which the item is mapped.

- *Type Name*

  - Displays the name of the entity with which the specified element is associated.

- *Type*

  - Displays the type of the entity with which the specified element is associated.

If a given item is mapped to more than one element, a comma is used to separate the information displayed in the columns; if an item is not mapped to any element, a value of *N/A* is displayed.

L	M	N	O	P
Rounding Level	ABS	Mapped to Element	Type Name	Type
No Decimal	FALSE	B = A	Calculation Sheet Export	Calculation Sheet
No Decimal	FALSE	B = A	Calculation Sheet Export	Calculation Sheet
No Decimal	FALSE	N/A	N/A	N/A

Process Changes

No changes to current processes are required.

17. Holdings Breakout Report

Overview

ArcReporting now provides users the ability to define settings for and generate Holdings Breakout reports. Users can specify up to three category type levels to display, and up to three numeric security value fields of data. Report output consists of a standard Excel (XLS) format, and can be filtered by fund group, fund and account period.

What's New

1. A new **Holdings Breakout Report Templates** page was added to the *Administration* area of ArcReporting that allows users to define breakout report settings that pertain to a given complex. The page is accessed via a corresponding menu item under the **Disclosure Builder** menu section.

Holdings Breakout Report Templates

Detail

Select the complex for this Holdings Breakout Report template: MyComplex ▾

Provide a template name: Breakout sample

Define the category structure of the statement:

1) Category Type: Security Type ▾

2) Category Type: Sector ▾

3) Category Type: Industry ▾

Define the fields to display:

1) Market Value ▾

2) Shares ▾

3) Cost ▾

Specify column header captions:

Column Header 1: Category Name

Value 1: Market Value

Value 2: Shares

Value 3: Cost

Note: Use the Holdings Breakout Report to generate output for Holdings Breakout te

● Ready

Holdings Breakout Report Templates

Reporting Workspace | Administration

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a. A user can select up to three levels of category types to display in the breakout report.

b. A user can also specify up to three numeric security value fields to display in the report.

   i. The footed value from the fund's primary portfolio statement is used to populate each field in the breakout report.

c. Finally, a user can specify the captions that will display for each of the column headers in the report.

2. A **Holdings Breakout Report** page was added to the *Reporting Workspace* area of ArcReporting, from which a breakout report can be generated for a specified account period and complex, fund group or fund. The page is accessed via a corresponding menu item under the **Reports** menu section.
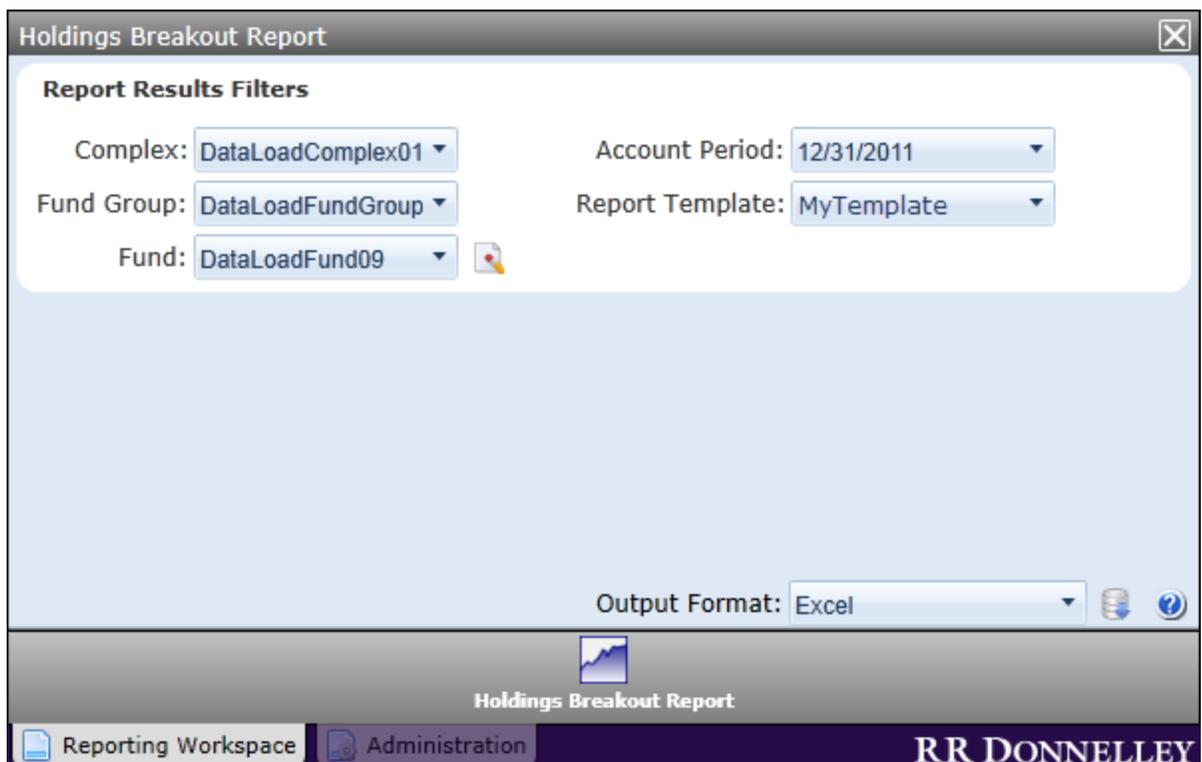
a. When exporting report information a user is able to filter or aggregate data output in various ways.

   i. A user must specify at least at *Complex* to generate output.

   ii. A user can also specify a particular *Fund Group* or *Fund*, depending upon what the desired scope of information may be.

b. A user may also utilize an *Account Period* filter to narrow report results.

c. To generate the report, the user clicks the *Export* button (🔵) located at lower-right of the page.

   i. The user can retrieve the export file from the Output Queue when the file is successfully created.

d. Sample output:

1				
2	**Holdings Breakout**			
3	**Report Date:**		5/13/2014 9:51:05	
4	**Generated By:**		Jane Doe	
5	**Complex:**		DataLoadComplex01	
6	**Fund Group:**		DataLoadFundGroup01	
7	**Fund:**		[None]	
8	**Account Period:**		12/31/2012	
9	**Report Template:**		MyTemplate	
10				
11	**Category Name**	**Market Value**	**Shares**	**Cost**
12	**Cash Collateral (Security Type)**			
13	Cash Collateral Sector	11507087.22	10639088.71	11255549.35
14	CC Industry (Industry)	5753543.61	5319544.35	5627774.67
15	**Total Cash Collateral**	**11507087.22**	**10639088.71**	**11255549.35**
16	**Cash Collateral - Liabilities**			
17	Cash Collateral Payable	-7935036.47	-7263337.54	-7541675.41
18	CCP Industry	-7935036.47	-7263337.54	-7541675.41
19	**Total Cash Collateral - Liabilities**	**-7935036.47**	**-7263337.54**	**-7541675.41**

e. Export file layout specifics:

i. Column A in the export file (containing category names) will display the category *Caption* value specified in the category library assigned to a fund for a given category type.

ii. Category fields will be sorted by caption (ascending) for both the outermost and any child levels.

iii. A total line will be displayed only for the outermost category level, which contains total values for Columns B, C, and D.

iv. Inner ("child") categories will display the total value per field in Columns B, C, and D.

v. A final total line that consists of the sum of all outermost level totals will be the final line of the report. A final total value will be provided for each value column that is specified in the report template.

Note:
- The information for each fund exported is displayed on a separate Excel worksheet (tab) within the spreadsheet.

- A fund must have a primary portfolio statement template assigned in order for the values to populate in columns B, C and D of the report output.

- Any *Value* field specified in the holdings breakout report template must be added to the *Calculations* tab of the primary portfolio statement template in order for the values to populate in columns B, C and D of the output file.

    - The values shown on the report will tie to the primary portfolio statement, meaning they may have been adjusted for rounding/footing.

Process Changes

No changes to current processes are required.

18. Top "N" Issuers (or other field) Report

Overview

This enhancement adds functionality within inclusions and exclusions for Top "N" reports on the *Filter* tab of the **Portfolio Statement Templates** page. The functionality allows users to group securities when creating a Top "N" report and to filter the securities included in the results. This enhancement applies to portfolio statement templates of types *Full* and *Condensed/Summary*.

What's New

1. Added a *Type* drop-down list to the **Add Filter Inclusion** dialogue.
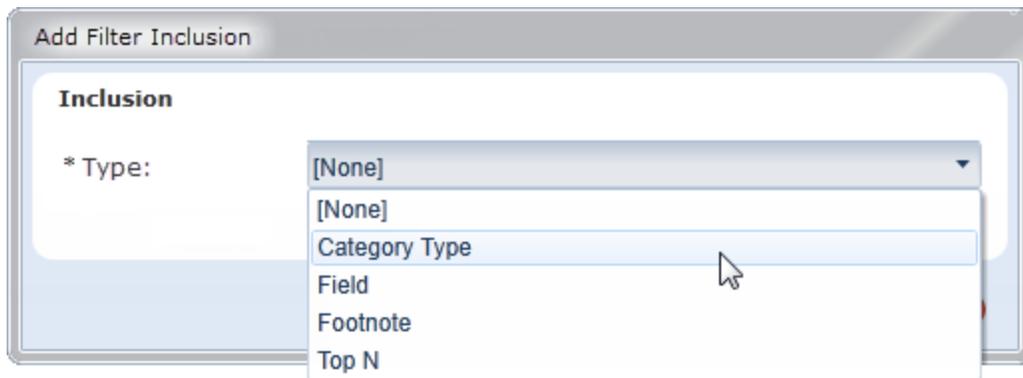
a. When *Category Type* is specified as the inclusion type, the user has the ability to designate one or more categories to include in the filter.
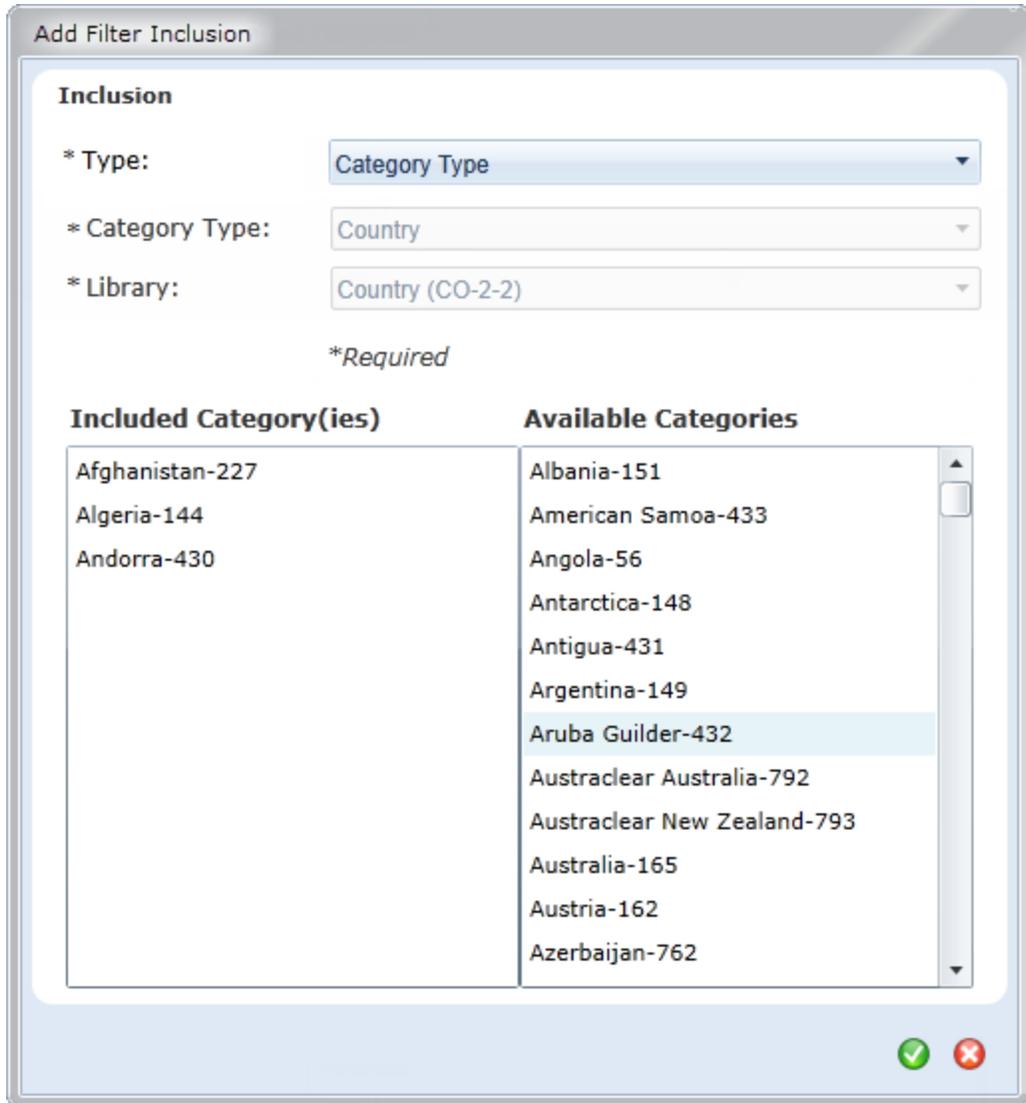
i. The user selects the category library that contains the categories to include in the filter. Selections in the *Library* drop-down list will be limited to libraries associated with the complex of the current portfolio statement template.

  ii. A user next selects the categories to be included.

    A. To add a category, the user drags-and-drops it from the ***Available Categories*** pane at right to the ***Included Category(ies)*** pane at left.

    B. Categories are dragged-and-dropped from left to right to remove them from the inclusion filter.

    C. Users can multi-select categories for the drag/drop operation.

Note:

- If a given security is assigned to any category in the ***Included Category(ies)*** list, it will be included.

- Any number of inclusion filters of type *Category Type* can be defined.

 b. When *Field* is specified as the inclusion type, the user has the ability to define a condition under which a specified field is included in the filter.

  i. The user selects the field to include using the ***Field*** drop-down list.

  ii. The user specifies an ***Operator*** value for the condition (*e.g.*, *contains*, *equal to*, *greater than*, etc.).

iii. When *Expiration Date*, *Maturity Date*, *Reset Date* or *Yield Date* is the specified **Field**, a **Days** spinner control and associated ***after the current reporting period*** text is displayed beneath the **Operator** drop-down list.

iv. When any field value except *Expiration Date*, *Maturity Date*, *Reset Date* or *Yield Date* is the specified **Field**, a **Value** text box is displayed beneath the **Operator** drop-down list, into which the user enters the value against which to compare the specified field.

> **Note:**
> - The *Total Investments* value for portfolio statement templates that use this functionality will only be based on the included securities shown on the statement.
>
> - The *Percent of Total Investments* value will only include and calculate based on securities shown on the statement, unless the option to *Use primary statement's footed values to calculate statements* is selected by the user.
>
> - Any number of inclusion filters of type *Field* can be defined.

c. When *Footnote* is specified as the inclusion type, the user can designate a footnote as the basis for the inclusion (*i.e.*, any security to which the specified footnote is attached is included in the filter).

    i. The user selects the footnote library that contains the footnote to be used in the filter. Selections in the *Footnote Library* drop-down list will be limited to libraries associated with the complex of the current portfolio statement template.

    ii. The user to specifies the desired *Footnote* from the library.

> **Note:**
> Any number of inclusion filters of type *Field* can be defined.

d. When *Top N* is specified as the inclusion type, the user can now select a new *Group like fields* check box option and designate the field by which to group via an associated *By* drop-down list.

i. When a user selects the *Group like fields* check box, the balances of all securities having the same value for the specified *By* field will be aggregated when the "Top N" holdings are evaluated.

> **Example:**
> When there are three holdings with the same *Issuer* value, these *Issuer* balances will be aggregated. Once these values are aggregated, the sum of the market values will be part of the Top 5 holdings and will show in the report. For counting purposes, the combined Issuer records will only be counted as one of the Top 5 holdings in the report. Whether the three securities will display in project preview and output will depend on aggregation settings in the portfolio statement template.

Note:

- The default *By* drop-down list selection is *Caption* for newly-added filter inclusions.

- Available *By* drop-down list selections include *Caption*, *Issuer*, and *Description 1* through *Description 20*.

- Any number of inclusion filters of type *Top N* can be defined.

2. Added a *Type* drop-down list to the **Add Filter Exclusion** dialogue.

Add Filter Exclusion

Exclusion

* Type:	Field
* Field:	[None]
* Operator:	[None]

Required

a. When *Category Type* is specified as the exclusion type, the user has the ability to designate one or more categories to exclude in the filter.
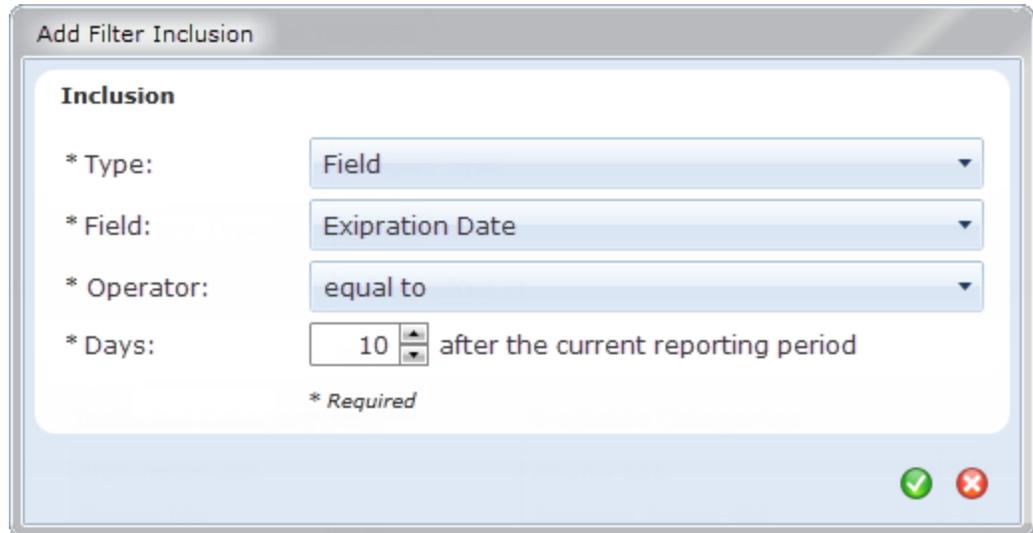
i. The user selects the category library that contains the categories to exclude in the filter. Selections in the *Library* drop-down list will be limited to libraries associated with the complex of the current portfolio statement template.

ii. A user next selects the categories to be excluded.

   A. To add a category, the user drags-and-drops it from the *Available Categories* pane at right to the *Excluded Category(ies)* pane at left.

   B. Categories are dragged-and-dropped from left to right to remove them from the exclusion filter.

   C. Users can multi-select categories for the drag/drop operation.

Note:

- If a given security is assigned to any category in the *Excluded Category(ies)* list, it will be

excluded.

- Any number of exclusion filters of type *Category Type* can be defined.

b. When *Field* is specified as the exclusion type, the user has the ability to define a condition under which a specified field is excluded in the filter.

   i. The user selects the field to exclude using the **Field** drop-down list.

   ii. The user specifies an **Operator** value for the condition (*e.g.*, *contains*, *equal to*, *greater than*, etc.).

   iii. When *Expiration Date*, *Maturity Date*, *Reset Date* or *Yield Date* is the specified **Field**, a **Days** spinner control and associated ***after the current reporting period*** text is displayed beneath the **Operator** drop-down list.

iv. When any field value except *Expiration Date*, *Maturity Date*, *Reset Date* or *Yield Date* is the specified **Field**, a **Value** text box is displayed beneath the **Operator** drop-down list, into which the user enters the value against which to compare the specified field.

Note:

- The values from holdings excluded from the portfolio statement preview and output due to **Exclusion** settings will be excluded from the **Total Investments** calculation.

- Any number of inclusion filters of type *Field* can be defined.

Additional Information

If one or more filter inclusions and one or more filter exclusions are specified, all securities that meet the exclusion criteria will be removed from consideration before logic is run to determine which securities meet the inclusion criteria.

Process Changes

No changes to current processes are required.

19. Ability to display period end dates in portfolio statement column headers

Overview

Users now have the ability to display period end dates within the column headers of portfolio statements. Custom data point functionality was added to ArcReporting, which allows users to create and add a custom data point to display the correct period end date and associated date format, as required. Once created, the custom data point can be mapped to the *Column Header* row of the statement template via the **Portfolio Statement Template Output Settings** page.

What's New

Added a *Custom Data Point Libraries* item to the **Libraries** menu section in the *Administration* area, through which the new **Custom Data Point Libraries** page is accessed. Users can create and implement custom data points in ArcReporting through a process like the one outlined below:

1. Create a new custom data point of type *Account Period* within a new or existing custom data point library (see the ***Custom data point libraries*** section on page 120 of this document for information regarding the creation of a new custom data point library and associated data points).

2. Provide the following information the for the data point and save the record; this will make it available for mapping:

   a. *Name* - Indicates the user-defined name of the data point; required field.

   b. *Item* - Example: *Current Account Period*; required field.

   c. *Format* - Specifies the desired date format.

   d. *Fund Selection* - Specifies if the fund is determined automatically, or will be designated by the user.

3. Open the **Portfolio Statement Template Output Settings** page and click the *Column Header* node in the template structure.

   a. On the *Data Points* tab, select *Custom Data Points* from the drop-down list and choose the custom data point library containing the newly-created data point.

      b. A list of available data points in the specified library displays in the right pane of the tab.

      c. Click and hold the data point and drag it to the desired location within column header's output settings row in the *Mapping* grid.

4. Save changes to the template's output settings.

    The return value for the custom data point will now display based on the specified settings in the project preview and in statement output.

Process Changes

No changes to current processes are required.

20. Ability to load data for and create a Reference Data Report

Overview

This enhancement provides the ability to store underlying security information used during custom holdings data pre-processing within the FundSuiteArc application. This data, along with various other data points currently held within FundSuiteArc, will form the basis for a new report called the Reference Data Report.

What's New

A "Reference Data Report" custom report was added to the existing **Report Library** interface (accessed via the **Reports** menu section on the *Reporting Workspace* tab).

1. The *Report Results Filters* section of the **Report Library** page contains the following fields, whose selections filter the results of the new report (the value of certain fields are defaulted to the selections made in the fund selection bar when the page is opened):

   a. Complex

      i. The complex specified in the fund selection bar at the time the page is opened is selected by default.

      ii. Available selections are as follows:

         A. *<All complexes to which the current user has access, listed alphabetically by complex name>*

      iii. Users must select a complex in order to generate a report.

   b. Fund Group

      i. Available selections are as follows:

         A. *[None]*

         B. *<All fund groups associated with the specified complex, listed alphabetically by fund group name>*

      ii. If the value of the *Complex* drop-down list is changed by the user, the *Fund Group* drop-down list will be updated to reflect selections that are associated with the newly-selected complex.

    c. Fund

        i. Available selections are as follows:

            A. *[None]*

            B. *<All funds associated with the specified fund group, listed alphabetically by fund name>*

        ii. If the value of the ***Fund Group*** drop-down list is changed by the user, the ***Fund*** drop-down list updates to reflect selections that are associated with the newly-selected fund group.

    d. Account Period

        i. Available selections include all account periods in the current environment, listed in descending order by year, then by month, then by day.

2. If all requirements to render a report are satisfied, clicking the ***Generate output*** button (🖫) sends a request for report output in Excel format to the Output Queue.

3. The report will return all securities that meet the specified ***Report Results Filters*** criteria on 4 separate worksheets in the Excel spreadsheet:

    a. ***Holdings***

        i. Contains current holdings information, as seen on the ***Holdings*** tab of the **Fund Holdings user** interface, excluding categorization.

    b. ***Primary Security***

        i. Contains the client's underlying security information from their accounting software data feed.

    c. ***Security Enhancement***

        i. Contains the client's security enrichment information, which comes from sources other than the accounting software data feed.

    d. ***Categorization***

        i. Contains categorization information for the securities currently in FundSuiteArc, as seen on the ***Holdings*** tab of the **Fund Holdings user** interface, and the category load codes from the first and last dataload/data import for the securities.

> **Note:**
> Only data that has been loaded in version 2.0.0 and later will be shown.

Additional Information

- The *Complex*, *Fund Group*, *Fund* and *Account Period* specified in the fund selection bar at the time the **Report Library** page is opened are the default values for those respective report filter fields.

- If the user changes the *Complex*, *Fund Group*, *Fund* and/or *Account Period* selections in the fund selection bar, the report result filter field values on the **Report Library** page do not update to reflect the new selection(s) in the fund selection bar; the user must update the report result filters manually.

Process Changes

This functionality is not automatically available as part of database upgrade to version 2.0.0; custom packages must be updated to store the reference data.

21. Ability to create N-SAR calculation sheet and Excel file for export to FundSuite ComFiler - Phase 2

Overview

The goal of this functionality is to provide a mechanism within ArcReporting whereby users can map line items from trial balances items or calculation sheets to a standard N-SAR calculation sheet. This calculation sheet can be exported from ArcReporting and used for import into FundSuite ComFiler. This enhancement represents Phase 2 of this effort, which will allow the user to select which funds to export, as opposed to exporting all funds from a given complex.

What's New

A fund selection grid was added to the existing **Batch N-SAR Output** page to allow users to specify which fund(s) in a complex to export to the N-SAR calculation sheet, rather than having to export all N-SAR filings within a fund complex at once.

1. The new grid includes the following five columns:
   a. ***Fund***
   b. ***Fund Code***
   c. ***Fund Group***

    d. *Fiscal Year End*

    e. *Legal Entity*

2. Users can sort data in the grid by any of the five columns.

3. Users can utilize the *Select all* and *Clear all* links at lower-left of the grid to easily select/clear the check boxes associated with funds in the grid.

Process Changes

In previous versions of FundSuiteArc, all funds would be exported to the Excel file. Going forward users must specify the fund(s) to be exported.

22. Custom data point libraries

Overview

The goal of this enhancement is to allow users to create libraries of custom data points and place those data points in text snippets, footnote text, tables, and portfolio and financial statement line item content.

What's New

1. The existing *Data Point Libraries* item in the **Libraries** menu section of the ArcReporting *Administration* tab was renamed *Custom Data Point Libraries*.
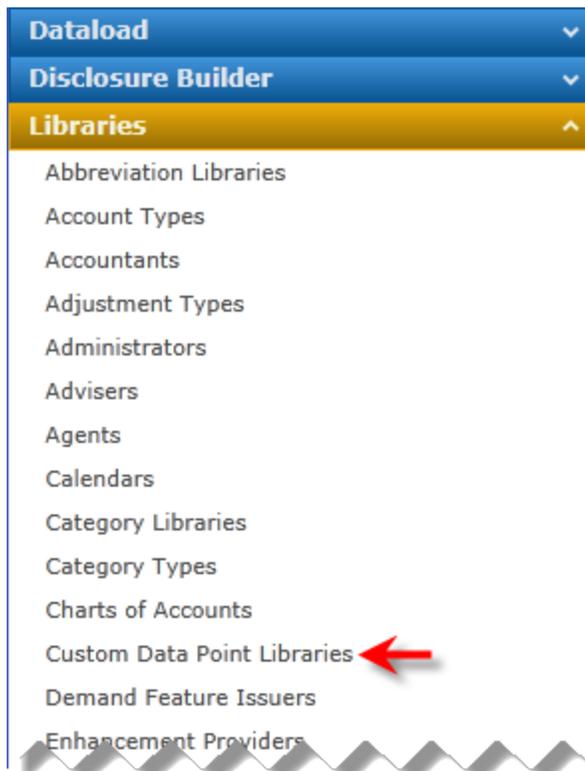
2. Custom data point libraries now support the creation/implementation of eight distinct types of data points.

   a. *Account Period*

   i. The user provides a unique **Name** for the data point and designates the specific account period **Item** value.

   ii. The user also specifies the date display **Format** and the **Fund Selection Behavior** to the desired specifications.

b. *Calculation Sheet*

Add/Edit Custom Data Point

Data Point

* Name:	
* Type:	Calculation Sheet ▼
* Financial Workbook Template:	Donnelley Fund Family 10/1/2013 ▼
* Calculation Sheet:	Currency ▼
* Item:	📄 Cash by Currency ▼

* Required

Format Item

Format:	n.nn ▼
Zero Display:	0 - Decimals based on rounding level ▼
Negative Display:	Parentheses... (123456.78) ▼
Rounding:	No Decimal ▼
Fund Selection Behavior:	Determine Fund Automatically ▼
Base Class:	Advisor Class ▼

i. The user provides a unique *Name* for the data point, specifies the appropriate *Financial Workbook Template*, *Calculation Sheet* and *Item*. Options will be limited to entities belonging to the complex with which the data point library is associated.

ii. The user also specifies the numeric value display *Format* and other display settings, as well as the *Fund Selection Behavior* and *Base Class* to the desired specifications.

c. *Class Data Point*

i. The user provides a unique *Name* for the data point and designates the specific class data point *Item* value.

ii. The user also specifies the text display *Format*, as well as the *Fund Selection Behavior* and *Base Class* to the desired specifications.

d. *Exchange Rate*
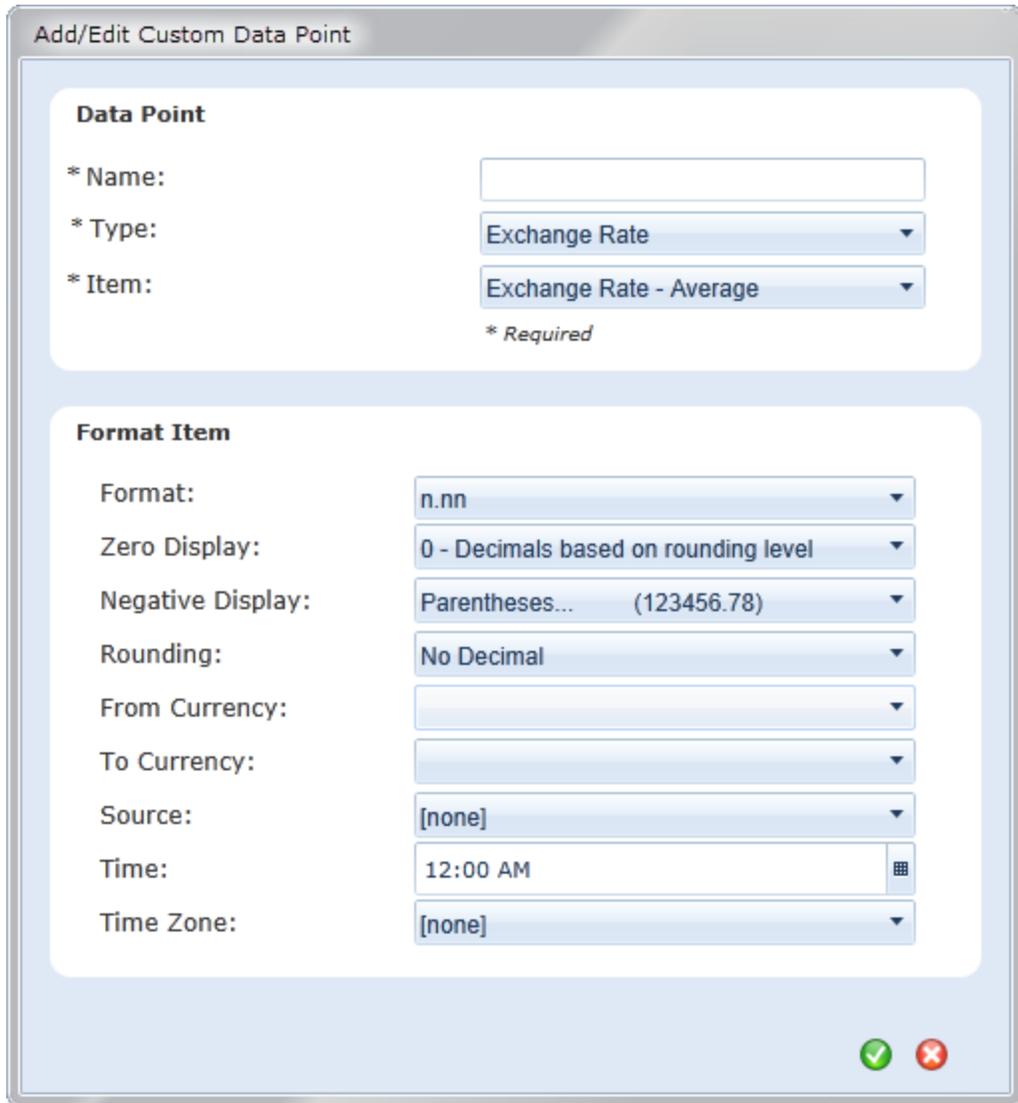
i. The user provides a unique **Name** for the data point and designates the specific exchange rate **Item** value.

ii. The user also specifies the numeric value display **Format** and other display settings, as well as the currencies involved and exchange rate source and time.

e. *Fund Data Point*

i. The user provides a unique *Name* for the data point and designates the specific fund data point *Item* value.

ii. The user also specifies the text display *Format*, as well as the *Fund Selection Behavior* to the desired specifications.

f. *Supplemental Data*

i. The user provides a unique **Name** for the data point, specifies the appropriate **Financial Workbook Template** and supplemental data **Item**. Options will be limited to entities belonging to the complex with which the data point library is associated.

ii. The user also specifies the numeric value display **Format** and other display settings, as well as the **Fund Selection Behavior** to the desired specifications.

g. *Trial Balance Definition*

i. The user provides a unique *Name* for the data point, specifies the appropriate *Financial Workbook Template*, *Trial Balance Definition* and *Item*. Options will be limited to entities belonging to the complex with which the data point library is associated.

ii. The user also specifies the numeric value display *Format* and other display settings, as well as the *Fund Selection Behavior* and *Base Class* to the desired specifications.

3. The existing *Conditional Value* data point type now offers users the option to return a system data point (*i.e.*, *Account Period*, *Calculation Sheet*, *Class Data Point*, *Fund Data Point*, *Supplemental Data* or *Trial Balance Definition*), as opposed to simple text.
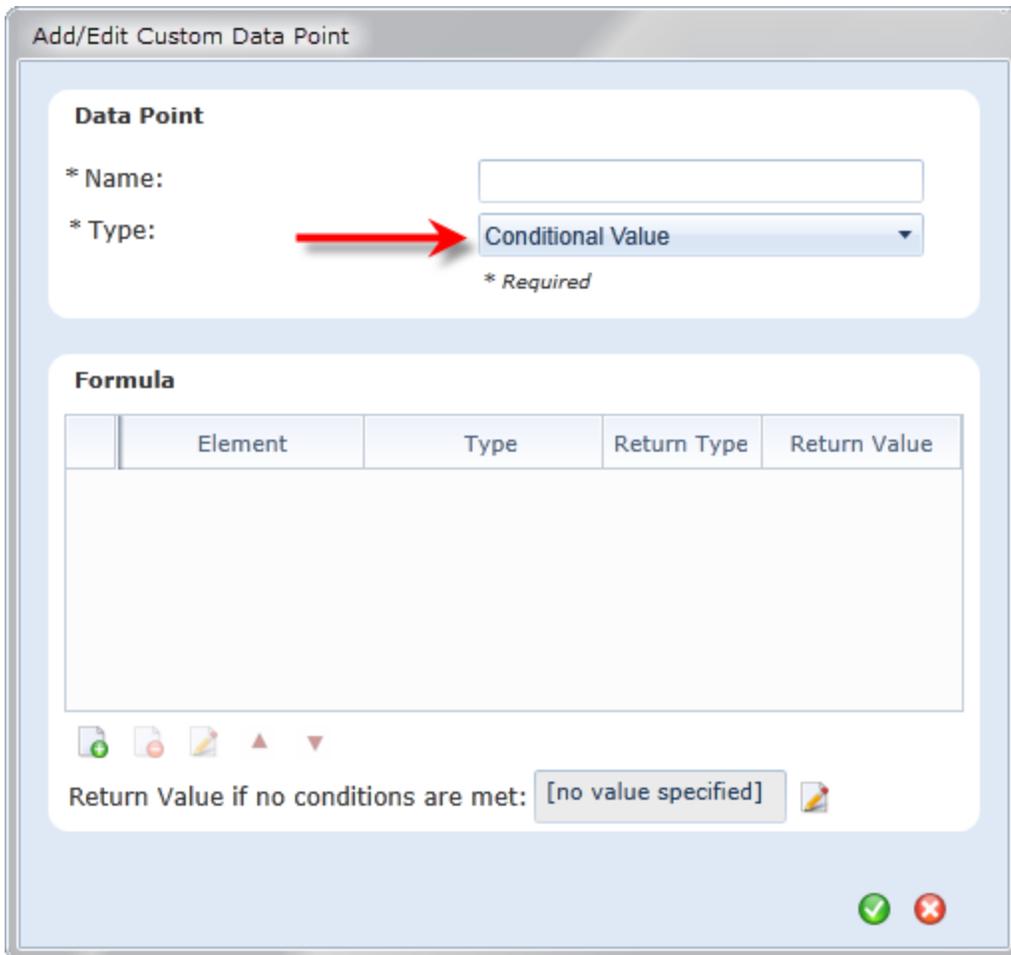
a. A *System Data Point* can be specified as the *Return Value* for any element of the conditional data point formula and/or as the *Return Value if no conditions are met* value for the formula.

4. *Project Template* can now be specified as the *If* component of formula elements for data points of type *Conditional Value*.
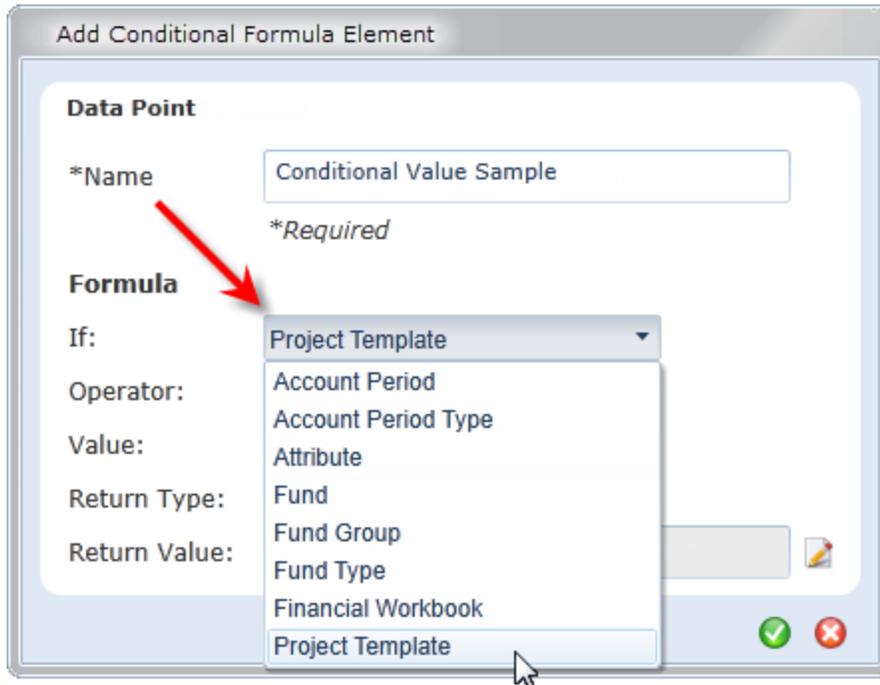
a. When *Project Template* is the specified *If* component for a formula element, the *Value* component will contain a list of all project templates in the complex with which the data point library is associated.

b. Formula elements whose condition is based on *Project Template* can be combined with other formula element types.

> **Example:**
> If project template = *X* and/or account period type = *Y* then return …
>
> In project preview/output, the condition will be evaluated based on which project is in use.

5. Once a custom data point library is created and data points are defined therein, it becomes linked to other areas within FundSuiteArc as users specify that custom data points be evaluated/displayed. The definition of any given data point will update automatically wherever it is linked, and the value returned will refresh accordingly each time the data point is evaluated. The following points will discuss the areas in which a user can link to a custom data point library.

    a. **Text Libraries** page
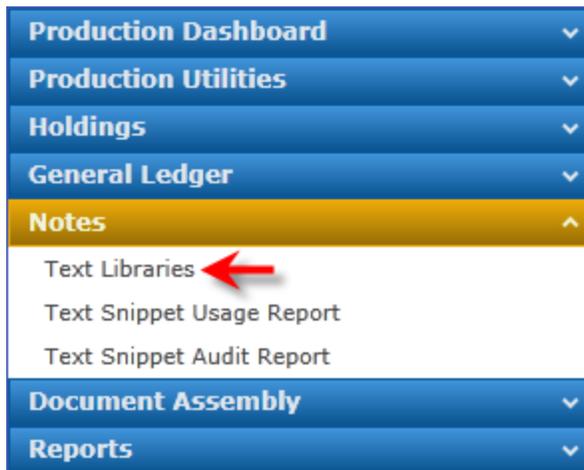
      i. Users can insert data points from a custom data point library in the content of snippets in a text library.
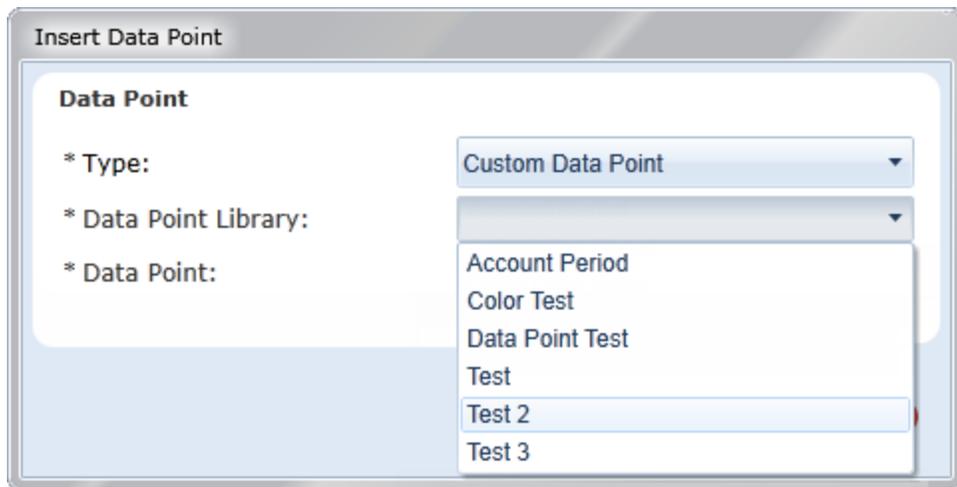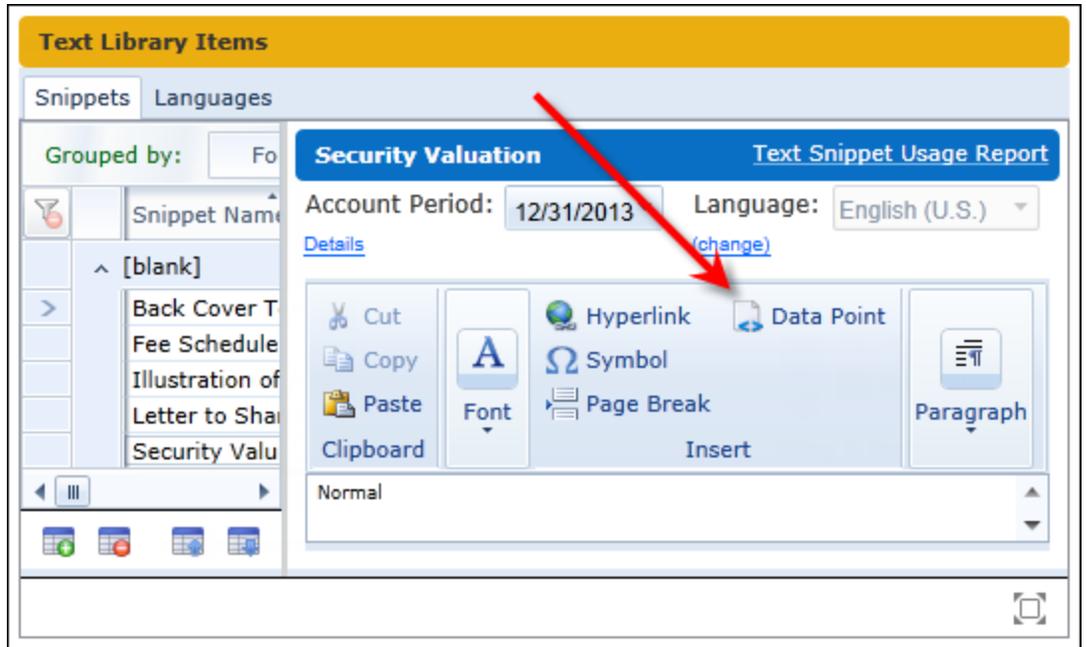
A. Users cannot format the data point via the **Text Libraries** page, but formatting will display in project preview and output.

B. The inserted data point will display in orange-colored text in the text editor, just like data points of any other type.

b. **Footnotes Libraries - General Ledger** and **Footnote Libraries - Holdings** pages
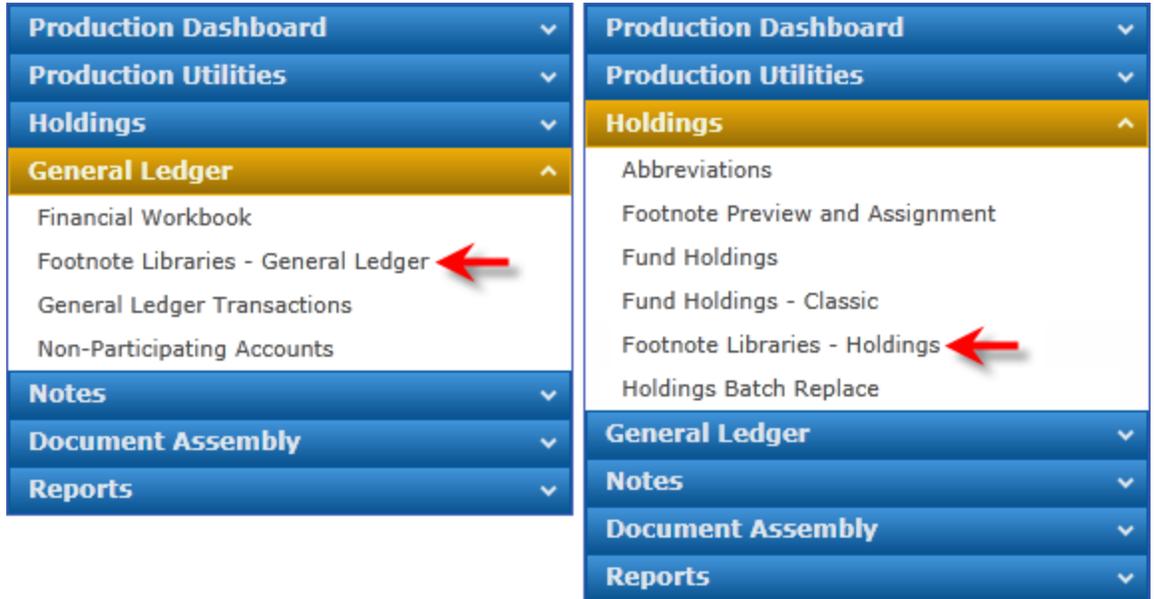
i. Users can insert data points from a custom data point library in the content of footnotes in a footnote library.
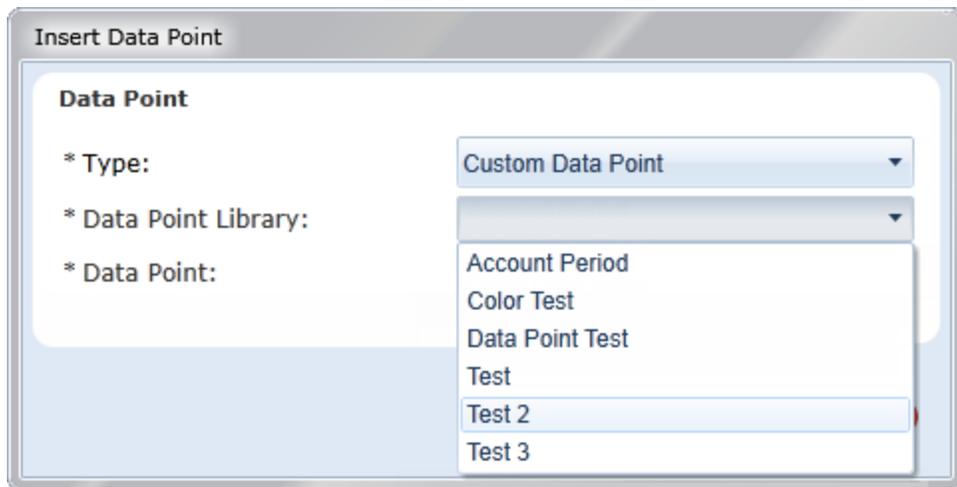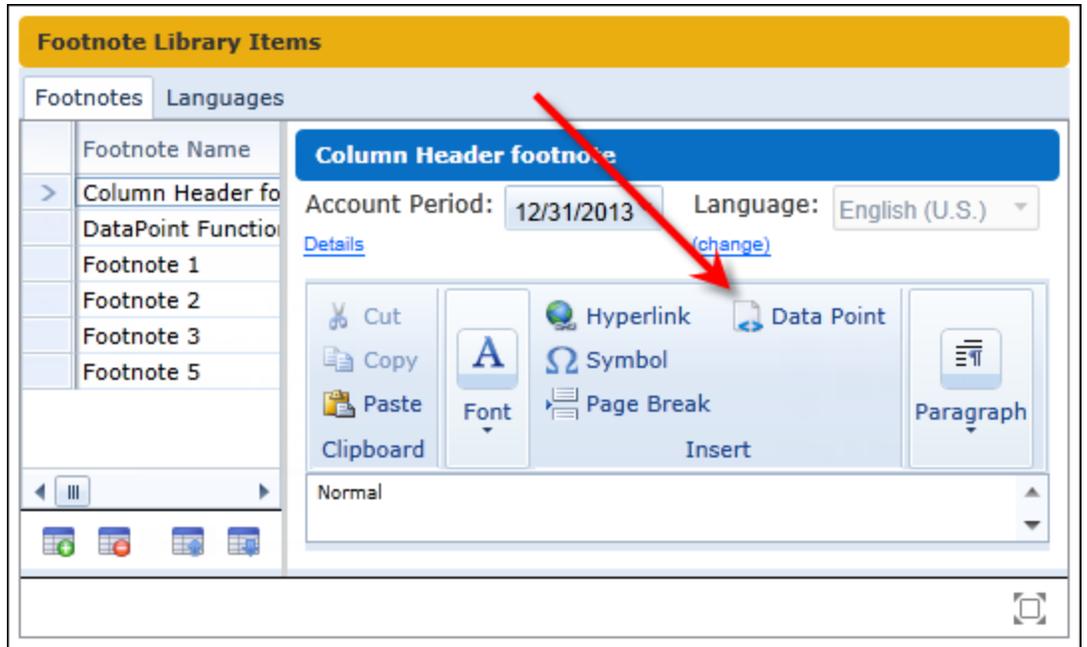
A. Users cannot format the data point via the **Footnotes Libraries - General Ledger** or **Footnote Libraries - Holdings** pages, but formatting will display in project preview and output.

B. The inserted data point will display in orange-colored text in the text editor, just like data points of any other type.

c. **Financial Statement Template Output Settings** page
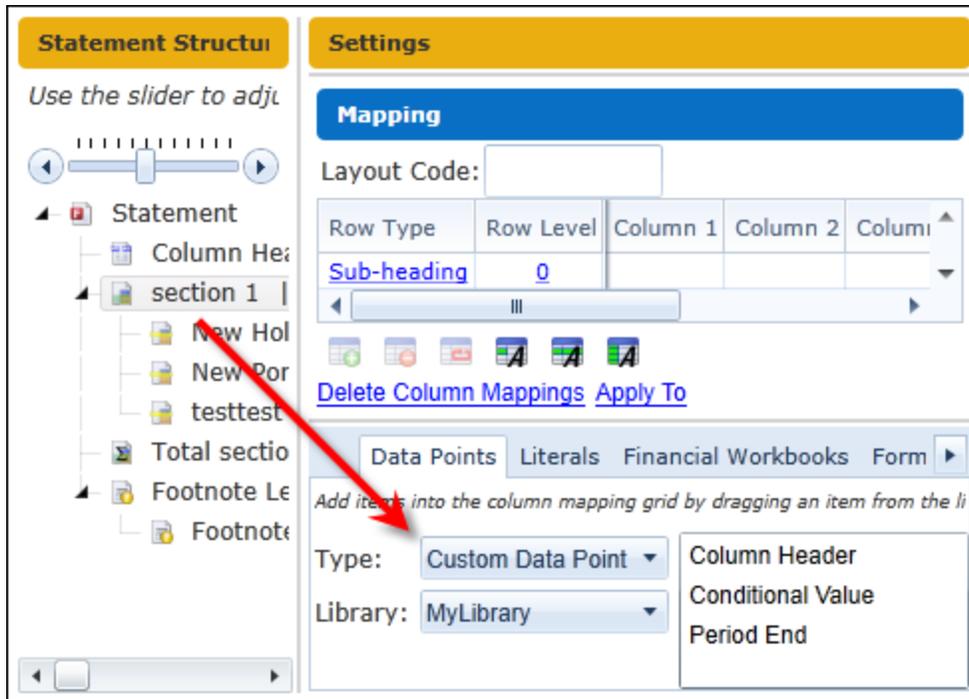
i. *Custom Data Point* is available as a selection in the *Type* drop-down list on the *Data Points* tab for every statement line item type, except for *Footnote*.

ii. When *Custom Data Point* is the specified data point type, a *Library* drop-down list displays through which the user designates the data point library containing the desired data points to map.

> **Note:**
>
> Only those libraries associated with the same complex as the current financial workbook template are available for selection.

iii. Once the library is specified, a listing of all data points in the selected library display in alphabetical order by data point *Name*. As with data points of other types, users can drag-and-

drop custom data points from the list box on the ***Data Points*** tab into the desired location in the ***Mapping*** grid for display in output.

iv. No specific formatting options are available for custom data points in the ***Selected Item Options*** area of the ***Format Items*** tab, however users may apply item-level formatting (*e.g.*, bold, italic, superscript, etc.) via the ***Format item*** button at lower-left of the tab.

d. **Portfolio Statement Template Output Settings** page

i. *Custom Data Point* is available as a selection in the ***Type*** drop-down list on the ***Data Points*** tab for every statement line item type, except for *Footnote*.

ii. When *Custom Data Point* is the specified data point type, a ***Library*** drop-down list displays through which the user designates the data point library containing the desired data points to map.

> **Note:**
>
> Only those libraries associated with the same complex as the current portfolio statement template are available for selection.

iii. Once the library is specified, a listing of all data points in the selected library display in alphabetical order by data point ***Name***. As with data points of other types, users can drag-and-drop custom data points from the list box on the ***Data Points*** tab into the desired location in the ***Mapping*** grid for display in output.

iv. No specific formatting options are available for custom data points in the ***Selected Item Options*** area of the ***Format Items*** tab, however users may apply item-level formatting (*e.g.*, bold, italic, superscript, etc.) via the ***Format item*** button at lower-left of the tab.

e. **Tabular Data Template Output Settings** page

i. *Custom Data Point* is available as a selection in the ***Type*** drop-down list on the ***Data Points*** tab.

ii. When *Custom Data Point* is the specified data point type, a ***Library*** drop-down list displays through which the user designates the data point library containing the desired data points to map.

> **Note:**
>
> Only those libraries associated with the same complex as the current tabular data template

are available for selection.

    iii. Once the library is specified, a listing of all data points in the selected library display in alphabetical order by data point *Name*. As with data points of other types, users can drag-and-drop custom data points from the list box on the *Data Points* tab into the desired location in the mapping grid for display in output.

    iv. No specific formatting options are available for custom data points in the *Selected Item Options* area of the *Format Items* tab, however users may apply item-level formatting (*e.g.*, bold, italic, superscript, etc.) via the *Format item* button at lower-left of the tab.

6. Custom data points will be evaluated and displayed in project preview and output whenever possible.

    a. Data point evaluation behavior will vary by data point type, dependent on the *Chapter / Fund Behavior* (or *Section / Fund Behavior*) setting.

        i. *No Repeat* or *Common Content*

            A. Account Period

                1. The data point will always evaluate.

            B. Calculation Sheet, Class Data Point, Fund Data Point, Supplemental Data, Trial Balance

                1. The data point will only evaluate if:

                    a. A specific fund is designated for the *Fund Selection Behavior* setting.

                    b. The project contains only one fund.

            C. Exchange Rate

                1. The data point will always evaluate.

            D. Conditional Value

                1. Evaluation will depend upon the condition(s).

                    a. Account Period

                        i. The data point will always evaluate.

    b. Account Period Type

        i. The data point will always evaluate.

    c. Attribute

        i. The data point will evaluate if the project contains only one fund.

    d. Fund

        i. The data point will evaluate if the project contains only one fund.

    e. Fund Group

        i. The data point will evaluate if the project contains only one fund.

    f. Fund Type

        i. The data point will evaluate if the project contains only one fund.

    g. Financial Workbook

        i. The data point will evaluate if the project contains only one fund.

    h. Number of funds in book

        i. The data point will always evaluate.

    i. Project

        i. The data point will always evaluate.

Note:

If a conditional value cannot evaluate any of the *True* conditions, the *False* value will be returned.

ii. *All Funds - Single*

    A. Account Period

        1. The data point will always evaluate.

B. Calculation Sheet, Class Data Point, Fund Data Point, Supplemental Data, Trial Balance

    1. The data point will only evaluate if:

        a. A specific fund is designated for the *Fund Selection Behavior* setting.

        b. The project contains only one fund.

        c. The data point is part of a financial statement template and the data point is located inside a repeat group where the fund, class and/or account period is known.

C. Exchange Rate

    1. The data point will always evaluate.

D. Conditional Value

    1. Evaluation will depend upon the condition(s).

        a. Account Period

            i. The data point will always evaluate.

        b. Account Period Type

            i. The data point will always evaluate.

        c. Attribute

            i. The data point will evaluate if the project contains only one fund.

        d. Fund

            i. The data point will evaluate if the project contains only one fund.

        e. Fund Group

            i. The data point will evaluate if the project contains only one fund.

        f. Fund Type

            i. The data point will evaluate if the project contains only one fund.

g. Financial Workbook

    i. The data point will evaluate if the project contains only one fund.

h. Number of funds in book

    i. The data point will always evaluate.

i. Project

    i. The data point will always evaluate.

> **Note:**
> If a conditional value cannot evaluate any of the *True* conditions, the *False* value will be returned.

iii. *All Funds - Repeat*

    A. The data point will always evaluate.

b. If the user designates a specific fund for a given data point's *Fund Selection Behavior* setting the data point will always evaluate, regardless of chapter or section fund behavior settings.

Process Changes

No changes to current processes are required. Please note, however, that if users want to drop the same variable content in several distinct locations within the application, the new custom data point functionality will now allow for this.

23. Shared statement footnote legends

Overview

Users now have the ability to define a shared statement legend template to produce a single footnote legend that includes footnote records from multiple portfolio or financial statements.

What's New

1. A new *Shared Legend Templates* item was added to the existing **Structure Templates** menu section on the *Administration* tab. Clicking the menu item causes the new **Shared Legend Templates** page to open, through which shared legend templates can be defined.

   a. A user clicks the *Add new record* button ( ) at lower-right of the page.

   b. The user provides the following information in the *Detail* pane of the page:

      i. The *Complex* with which the shared legend template is associated.

      ii. A unique *Template Name*.

      iii. A *Description* for the template.

      iv. The *Statement Type* (*i.e.*, *Portfolio* or *Financial*), which indicates the type of statements that will use the shared legend.

      > **Note:**
      > A shared legend template can either be associated with only portfolio statements or only financial statements. Shared legend template functionality does not support a mixture of portfolio and financial statements.

      v. The *Output Style Type*. Users can select from the following options:

         A. *Abbreviation Legend*
         B. *Currency Legend*
         C. *Footnote Legend*
         D. *Mixed Legend*

c. The user adds the footnote legend(s) and associated settings via the *Legend Detail* tab.

  i. The user clicks the *Add item to tree structure* button ( ) to add a legend to the legend definition.

  ii. The user provides the following information for the selected legend in the *Settings* pane of the tab:

    A. The legend *Type* (*i.e.*, *Footnote*, *Abbreviation* or *Currency*).

       > **Note:**
       > *Footnote* is currently the only available option; the *Abbreviation* and *Currency* options are disabled in the user interface and are scheduled to be supported in a future product release.

    B. The *Auto Symbol Pattern* for footnotes that participate in auto-symbol generation.

    C. The *Auto Symbol Order* (*i.e.*, *By Occurrence in Statement* or *Alphabetical by Footnote Text*) for footnotes that participate in auto-symbol generation.

    D. The *Placement* (*i.e.*, *Above Auto Symbol Footnotes* or *Below Auto Symbol Footnotes*) for footnotes that do not participate in auto-symbol generation.

2. A new *Shared Legend Template Output Settings* item was added to the existing **Structure Templates** menu section on the *Administration* tab. Clicking the menu item (or the *Output Settings* link on the **Shared Legend Templates** page) causes the new **Shared Legend Template Output Settings** page to open, through which users can define output settings for shared legend templates.

  a. Users can apply output settings to the legend header (*Legend* node of the tree structure), and the footnote records themselves (*Footnote* node of the tree structure) in the *Settings* pane of the page.

    i. Available settings to map to the legend header and footnote records match what is currently available for standalone footnote legends via the existing Financial Statement Template Output Settings and **Portfolio Statement Template Output Settings** pages.

3. A *Shared Legend* item was added to the ***Available Items*** sub-tab of the ***Structure*** tab on the existing **Document Structure Templates** page.
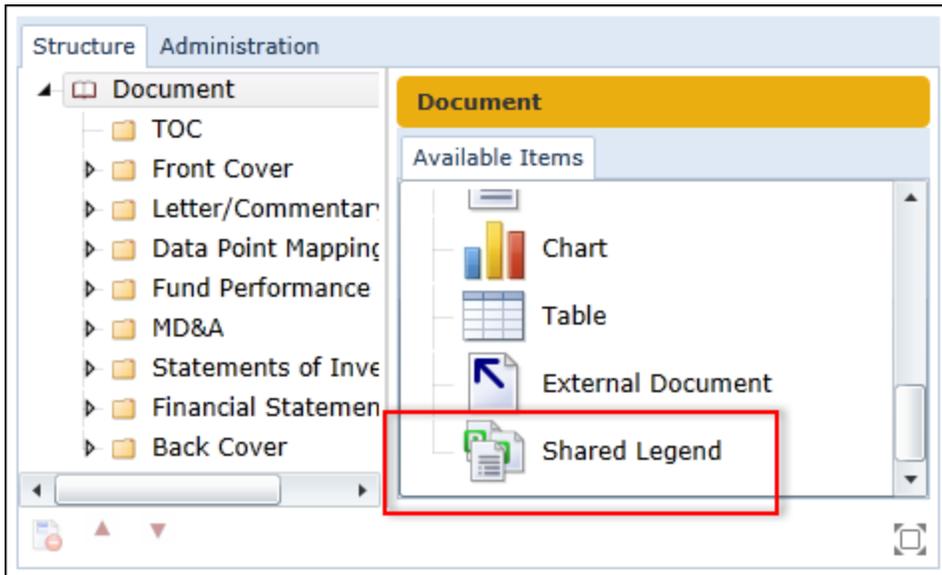
a. A user will add a *Shared Legend* item to the structure of the desired document structure template by dragging-and-dropping it to the appropriate section or chapter.

> **Note:**
>
> The ***Behavior*** of the section or chapter containing the *Shared Legend* item must be set to *All Funds - Single*.

b. Once the *Shared Legend* item is added to the template structure, the user provides the following item details:

   i. The legend's ***Output Style Type*** (*i.e.*, *Abbreviation Legend*, *Currency Legend*, *Financial Footnote Legend*, *Mixed Legend* or *Portfolio Footnote Legend*).

   ii. An ***Item Name*** for the shared legend.

    c. The user applies the structure changes to any existing project templates using the document structure template.

        i. The user selects the *Administration* tab.

        ii. The user clicks the *Push out changes to project templates based on this template* link on the tab.

            The **Push Template Changes** pop-up dialogue displays.

            A. The user selects the check box(es) corresponding to the project templates(s) that should receive the update.

            B. The user clicks the *Synchronize* button (⟳) at lower-right of the dialogue.

4. Settings were added to the *Item Detail* sub-tab of the *Contents* tab on the **Project Templates** page to specify the portfolio or financial statement(s) associated with a given shared legend template.

    a. The user selects the shared legend item within the tree structure of the *Contents* tab.

    b. The user specifies the appropriate legend template via the *Shared Legend Template* drop-down list on the *Item Detail* sub-tab.

    c. The user clicks the *Edit* link in the *Associated Statements* section of the tab.

    The **Edit Associated Templates** pop-up dialogue displays, which contains a listing of statements in the current project that are available for use of the shared legend.

        i. The user selects the check box(es) that correspond to the statement(s) to associate with the shared legend.

> **Note:**
> Only portfolio statements will be available for selection for legends of statement type *Portfolio*, and only financial statements will be available for selection for legends of statement type *Financial*.

  d. The user applies the template changes to any existing projects using the project template.

    i. The user selects the *Administration* tab.

    ii. The user clicks the *Push out changes to projects based on this template* link on the tab.

     The **Push Template Changes** pop-up dialogue displays.

     A. The user selects the check box(es) corresponding to the project(s) that should receive the update.

     B. The user clicks the *Synchronize* button (↻) at lower-right of the dialogue.

Once a shared legend template has been defined, a shared legend item has been added to a project template's document structure, and all associated settings have been specified and pushed out, the legend can be viewed on the **Project** page.

 1. The user opens the appropriate project and selects the shared legend item in the *Project Content* section at left of the **Project** page.

 2. The user clicks the *Refresh data* button (↻) at lower-right of the preview pane on the *Components* tab.

  All footnotes contained in the statement(s) associated with the shared legend are auto-sequenced and will display in the legend in project preview and output, based on applied settings.

Additional Information

- If a given portfolio or financial statement is associated with a shared legend template, but also has a standalone footnote legend assigned via its statement template, the standalone legend will not be displayed in project preview or XML and PDF output.

- The process of applying footnotes to both fund holdings and financial workbook items remains the same when utilizing the new shared legend functionality. However, users should be aware that the symbols and order associated with footnotes on the **Footnote Preview and Assignment** page and the *Footnotes* tab of the **Financial Workbook** page may differ from what displays in the final shared legend that is generated in the project preview and output.

Process Changes

No changes to current processes are required.

24. Project template export

Overview

Users are able to export a selected project template and all the associated chapter/item detail to an Excel (XLS) file.

What's New

1. An *Export project template setup* button (🖼) was added at lower-right of the *Contents* tab on the **Project Templates** page.

   a. Clicking the button sends an export request to the Output Queue, where the user can subsequently check the export status and download the completed file.

2. The *Project Template Setup* export file header will display the date and time the export was requested, the name of the person who exported the file, and the associated project template detail information.

	D E	F	K	L
1				
2	**FundSuiteArc®**			
3 4	**Project Template Setup**			
5	**Report Date:**	8/7/2014 12:50:50 PM		
7	**Generated By:**	jdoe		
9	**Site / Environment:**	RRD_QA/Demo20		
11	**Complex:**	Donnelley Family of Funds		
13	**Template Name:**	Donnelley Dividend Fund		
15	**Description:**	Demo template		
17	**Fiscal Year End:**	January		
19	**Reporting Cycle:**	Annual		

3. The chapters and items will display in the file in the order defined within the project template, with all associated chapter/item detail information. Each new chapter displays in bold text.

	Item Type	Chapter / Section / Item Name	Chapter / Section Code	Fund Name / Financial Workbook Name	Output Style Type	Text Snippet Option	Library: Snippet / Image
1.	**Chapter**	**One Chapter**	**FC**				
2.	Text	Front Cover Text			Cover - Fund Promoter	Link To Text Library	Dividend Fund
3.	Image	Family Image			Front Cover		Donnelley Logo
5.	Image	Donnelley Cover Image			Advisor Logo		Donnelley Logo
4.	**Chapter**	**Table of**	**TOC**				

Process Changes

No changes to current processes are required.

25. Ability to attach tables to portfolio and financial statement footnotes

Overview

Functionality was provided that allows tables to be added to financial and portfolio statement footnotes. Footnote tables can be previewed on the **Project** page and will be displayed in project output.

What's New

A *Table* button (⊞) was added to the *Insert* control group of the text editor on the **Footnote Libraries - General Ledger** and **Footnote Libraries - Holdings** pages.

1. With the cursor placed at the end of any existing text within the text editor, the user clicks the *Table* button.

    The **Insert Table** pop-up dialogue displays.

2. The user specifies a table *Item Type* (*i.e.*, *Financial Statement Template*, *Portfolio Statement Template* or *Tabular Data Template*, depending on the current library type).

3. The user specifies the appropriate *Template* (*i.e.*, financial statement, portfolio statement or tabular data, depending on the specified *Item Type*) representing the table to insert.

4. The user clicks the *Accept* button at lower-right of the dialogue.

A new paragraph is added in the text editor pane, with a style of *Normal* and the specified table template name displayed within brackets, in green text.
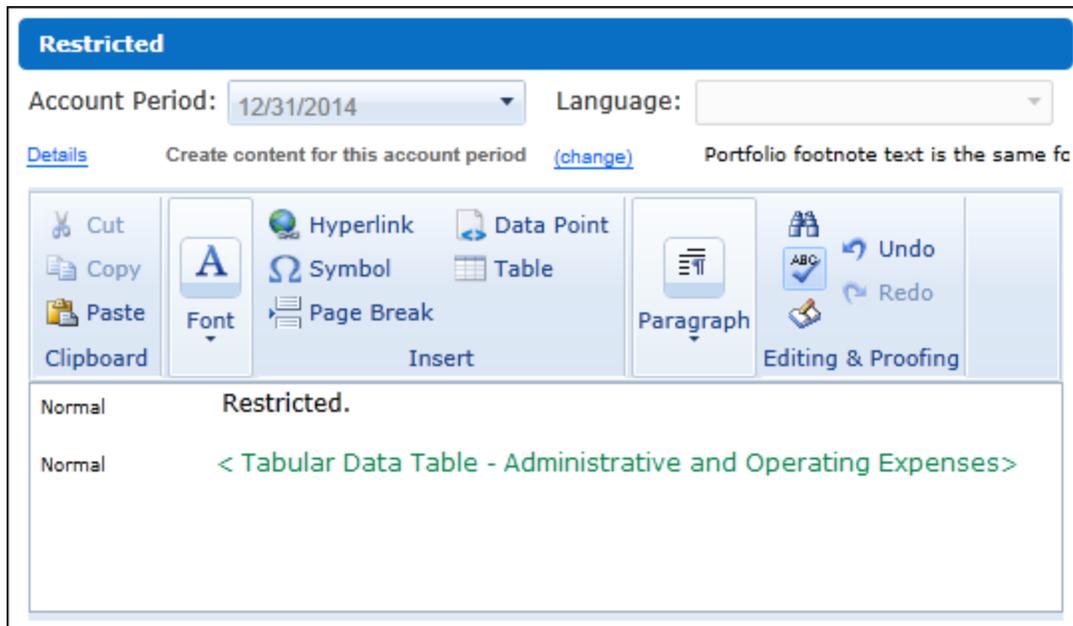
Note:

Text added after an inserted table will not display in project preview and output; current functionality only supports displaying text that appears prior to the inserted table.

Process Changes

Existing style sheets must be updated in order to correctly display tables attached to footnotes in project output.

26. Enhanced user interface for specifying category codes

Overview

An updated user interface was provided to facilitate the addition and editing of category codes via the **Category Libraries** page.

What's New

In previous versions of FundSuiteArc, the codes associated with a given category were added and/or edited as a comma-delimited list in a *Category Codes* text box on the **Edit Category** pop-up dialogue. The *Category Codes* text box was replaced with a grid, which allows for the clear display of a single or multiple category codes when adding or editing.

1. To add/edit category codes to an existing category, the user clicks the *Edit selected record* button ( ) at lower-left of the *Categories* tab on the **Category Libraries** page.

The **Edit Category** pop-up dialogue displays.

   a. To edit an existing code, the user can select the corresponding cell in the *Category Codes* grid and type the desired text.

   b. To add a new code, the user clicks the *Add new item to grid* button ( ) at lower-left of the *Category Codes* grid.

       A new row is added to the top of the *Category Codes* grid, into which the user can type the desired code text.

   c. The user can delete an existing code by selecting a row in the *Category Codes* grid, and then clicking the *Remove item from grid* button ( ) at lower-left of the grid.

2. Category records containing single or multiple category codes will continue to display in the grid of the *Categories* tab on the **Category Libraries** page as a comma-delimited list, in the *Codes (separated with comma)* column.

Process Changes

Users must add/edit category codes in the category library as describe above; users will no longer be able to enter a comma-delimited list of codes directly into the user interface.

27. Enhanced trial balance functionality and rounding/footing logic

Overview

The goal of this functionality is to allow the user to add class data points, fund data points and supplemental data points to trial balance items and display the footed values for these items in the event any are adjusted for footing. In addition, values on the trial balance will now be footed to the most granular level, instead of stopping at the trial balance item level. This will ensure the values at the account, class and currency level sum to the footed *None/All* value.

What's New

1. Users can now map elements from the *Class Data Points*, *Fund Data Points* and *Supplemental Data* sub-tabs of the **Financial Workbook Templates** page to items on the *Trial Balance* sub-tab.
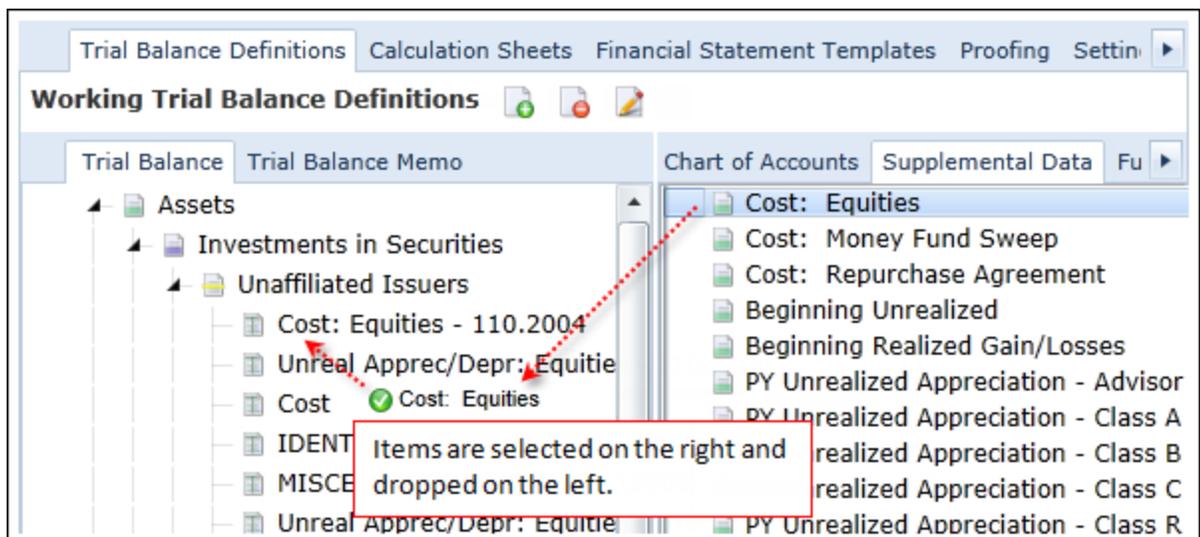
a. Multi-selecting of items is available.

b. Users can move trial balance items directly from one trial balance item to another if the general ledger has already been mapped.

c. Fund data points, class data points and supplemental data points can only be added to the trial balance once, similar to general ledger accounts.

2. Logic for the calculation sheet item *Trial Balance Value Type* setting (which allows a user to select either the *Raw*, *Primary* or *Secondary* rounding level) was enhanced so that class, fund and supplemental data points mapped to an item's formula will respect the specified value; prior to version 2.0.0, only trial balance were affected by this setting.

Note:

When *Conditional Value* is selected as the *Calculation Sheet Item Type* any class, fund or supplemental data points mapped to the item's formula will reflect the footed value.

3. A *Rounding* drop-down list was added to the *Class Balances*, *Fund Data Points* and *Supplemental Data* tabs of the **Financial Workbook** page to allow users to view footed values of corresponding data points added to the trial balance, since these can now be adjusted for footing.

    a. Users can select any of the following rounding/footing options to view:

        i. *Raw* (default selection when first accessing the page)

            A. These values can be edited by users, as in previous versions of FundSuiteArc.

        ii. *Primary*

            A. These values are read-only.

        iii. *Secondary*

            A. These values are read-only.

            B. This option will only display if a *Secondary Rounding Level* is set up on the associated financial workbook template.

b. When displaying the primary and secondary footed values, any cells containing values that have been adjusted for footing will display with a blue background color.

c. Footing for class, fund and supplemental data items will be adjusted in the same way that a trial balance account would be adjusted.

Examples:
- Net Assets of the class

- Class A = 1,333.33

- Class B = 2,334.33

- Class C = 3,333.34

  - Total value of all classes = 7,001.00.

- When footed to *No Decimal*

  - Class A = 1,333

  - Class B = 2,334

  - Class C = 3,334

    - Class C is rounded up because 0.34 is the closest to 0.50.

- When footed to *000's*

  - Class A = 1,000

  - class B = 3,000

  - Class C = 3,000

    - Class B is rounded up because 334 is the closest to 500.

d. Class data points added to a trial balance will be treated similarly to a general ledger account whose values are populated by class. The *None/All* information will be populated by aggregating the class-level detail.

e. Fund and supplemental data points added to a trial balance will be treated similarly to a general ledger account populated at the *None/All* level. Class-level detail will not be available.

f. To adjust the balances for class, fund, and supplemental data items, users still must edit the values on the *Class Balances*, *Fund Data Points* and *Supplemental Data* tabs; users cannot make debits or credits to these items.

i. These values can only be adjusted when the *Rounding* setting on the respective tab is set to *Raw*; when set to *Primary* or *Secondary*, the grid is read-only.

ii. These items will not display on the **Journal Entries** pop-up dialogue, and changes to their values will not be logged as a general ledger transaction. Instead, changes will be recorded in the various audit reports associated with each data type.

Note:

If a class, fund or supplemental data point is not added to a trial balance item, it will not be adjusted for footing; the rounded and footed values will equal the raw value.

4. Logic for class, fund and supplemental data points inserted in text snippets and footnotes was enhanced to pull footed values.

5. Custom data point libraries, conditional values, and conditional captions were enhanced to pull the footed value.

6. Financial statement template advanced line item suppression was enhanced to pull the footed value of an element added to the conditional formula.

7. Enhanced rounding and footing logic:

   a. Footing will now continue past the trial balance item level, to foot each general ledger account, class, fund, and supplemental data item at the *None/All*, *Class* or *Currency* level.

   b. Logic representing this "least impact" method will be used when adjusting any of these items.

      i. When fund-level balances are footed, a trigger is created that will also foot class-level balances with the objective that both locations reconcile to the GL account or class balance total at the *None/All* level.

      ii. Trial balances now support two different rounding levels (*i.e.*, secondary and primary). These values will also be rounded/footed and will support two different rounding levels. When adding these values to a calculation sheet the user can select which rounding level to use, as detailed above (*Primary* is selected by default).

      iii. Once all the *None/All*-level balances have been footed, the currency-level balances will also be footed to ensure they sum to the GL account total at the *None/All* level.

   c. All rounding and footing will take place at the *None/All* level.

      i. For class-level items, the footed values will be taken from the *None/All* footed values and used to create the class values; footing is no longer carried out at the class level.

      ii. The enhanced logic will not adjust an item, class or currency value with a ***Raw Ending Balance*** value of zero (0.0000).

Process Changes

While there are no changes to currency processes, upon database upgrade to version 2.0.0 users may find that some of their values have been adjusted due to the changes in footing logic. It is recommended that users review their financial workbook information to ensure this updated logic does not negatively impact any current production cycles.

28. Fund Holdings page: New and Legacy user interfaces

Overview

In previous versions of FundSuiteArc, funds containing a large number of holdings took considerable time to render available securities on the **Fund Holdings** page. Performance enhancements were made to improve response time when openning, recalculating and saving fund holdings.

What's New

1. The **Fund Holdings** page was redesigned and a new page replaces the old **Fund Holdings** page, serving as a quicker alternative to view fund holdings for a single fund. The legacy **Fund Holdings** page is still available for use, but was renamed **Fund Holdings - Classic**. Both pages are accessible via the **Holdings** menu section on the *Reporting Workspace* tab of ArcReporting.
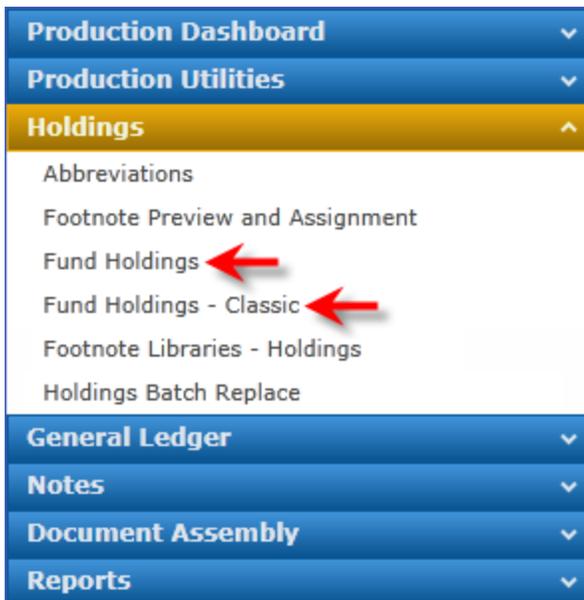
2. Performance enhancements were made to the following areas of the new **Fund Holdings** page:

    a. Opening fund holdings

        i. The **Fund Holdings** page will now support up to 20,000 securities, 30 categories, and open in less than 30 seconds.

    b. Recalculating fund holdings

        i. The process to calculate the Primary Statement and return a status of *Calculated* to the **Fund Holdings user** interface will now take less than 30 seconds.

    c. Saving fund holdings

        i. All saves will complete in less than 10 seconds.

3. In order to support the efficient display and editing of a larger number of securities, the new **Fund Holdings** page provides the following features:
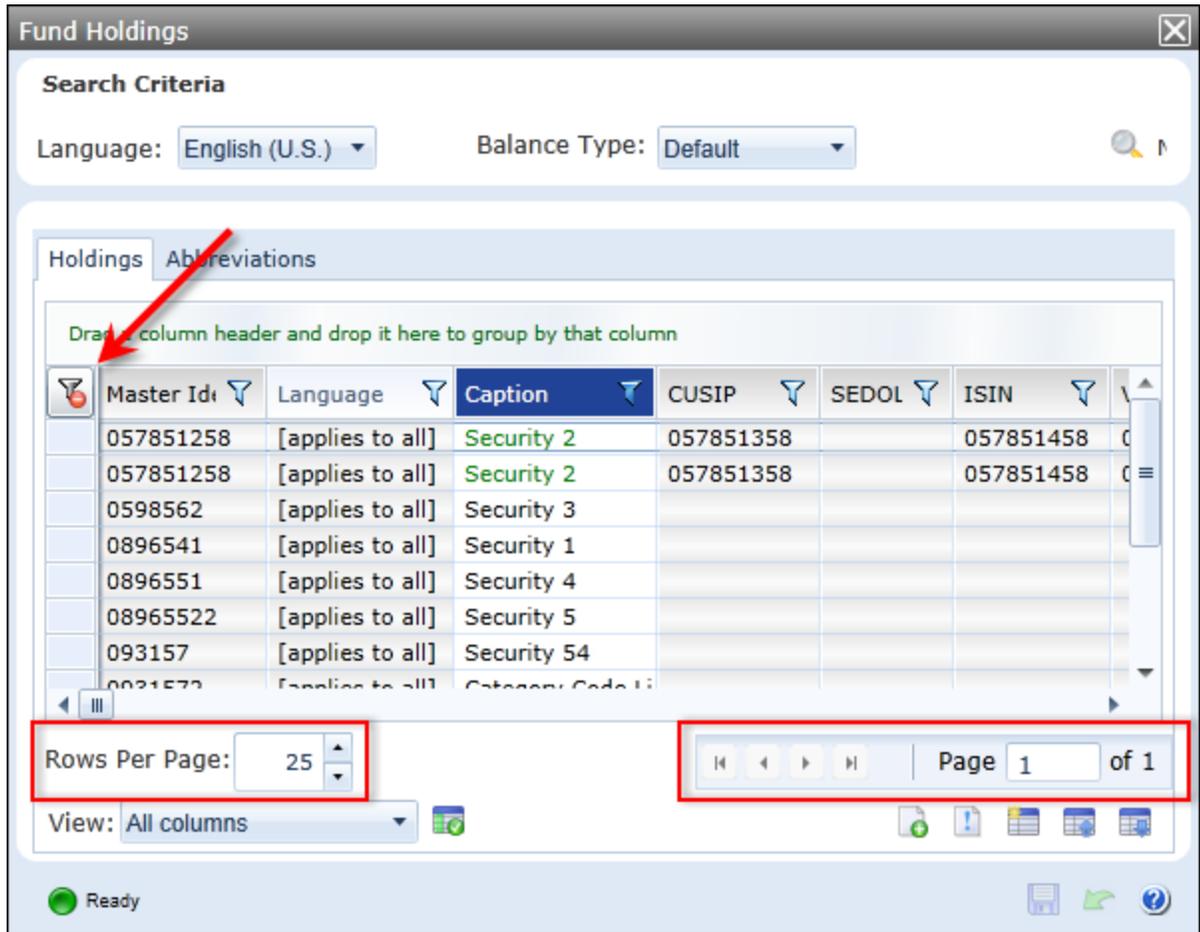
a. A *Rows per Page* setting at lower-left of the page allows users to specify the number of records that will be loaded into the grid, as well as the number of records that will be exported using the *Export data* button (![icon]) at lower-right of the page.

i. The default number of rows per page is 25, but the user can increase or decrease the value using the up and down buttons on the spinner control.

b. Users can navigate through the fund holdings records using the *Page* controls at lower-right of the page.

       i. Users can input a page number directly in the text box, use the *Previous* or *Next* arrows to move page by page, or use the *First* and *Last* arrows to navigate to the first or last page of records.

> **Note:**
>
> As the user navigates the fund holdings pages, the information contained on a given page will load, during which time users may see a *Loading* message as the information is retrieved.

c. The *Clear all filters* button ( ) is now available at upper-left of the grid, with which users can quickly remove all filters applied to columns within the *Holdings* grid.

Additional Information

The changes detailed above were made to the new **Fund Holdings** page. There are some features of the legacy **Fund Holdings** page that are no longer directly available on the new page. Please note that the following features are still available on the **Fund Holdings - Classic** page, should they be needed:

1. The new **Fund Holdings** page returns holdings for a single fund only (the one specified in the fund selection bar at the top of the user interface).

2. The following fields cannot be viewed on the new **Fund Holdings** page:

    a. Demand Feature Issuer(s) - List
    b. Demand Feature Issuer(s) - NRSRO(s)
    c. Demand Feature Issuer(s) - NRSRO(s) Credit Ratings
    d. Enhancement Provider(s) - List
    e. Enhancement Provider(s) - Type List
    f. Enhancement Provider(s) - NRSRO(s)
    g. Enhancement Provider(s) - NRSRO(s) Credit Ratings
    h. Guarantor(s) - List
    i. Guarantor(s) - NRSRO(s)
    j. Guarantor(s) - NRSRO(s) Credit Ratings

3. The *New Securities since the period ending* filter is not available on the new **Fund Holdings** page.

4. The *Libraries in use* information is not available for the **Fund Holdings** page.

Process Changes

No changes to current processes are required.

Closed Defects

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

Product	Module / Location	Description
ArcReporting	Financial Statement Template Output Settings	Corrected an issue wherein statement line items were suppressed because *Zero Suppress* logic erroneously looked to an item's rounded value when the user interface was actually set to look at the footed value. This issue appeared as users entered historical values into the footed value, but not the rounded value.
ArcReporting	Financial Workbook Export	Corrected logic for the Financial Workbook Export to ensure that all underlying currency-level information that displays on the **Financial Workbook** page is included in the trial balance tab(s) of the Excel export file.
ArcReporting	Project: Financial statement footnotes	Fixed a defect that caused footnotes attached to the column header of one financial statement via the *Footnotes* tab of the **Financial Workbook** page to display on all statements in project preview/output.
ArcReporting	Project: Chart components	Fixed an issue wherein charts in *All Funds - Repeat* chapters or sections displayed the same chart for every fund in project output (correct charts for each fund displayed in project preview).
ArcReporting	Project: Financial statement components	Fixed a defect wherein column header spanning was not correctly displaying for an inception period; the inception caption was not displayed above the associated inception period.
ArcReporting	General Ledger dataload	Updated load logic to ensure that correct fund- and class-level information is imported when data for multiple funds is included in a single data source file.
ArcFiling/ArcReporting	Tabular Data Template Output Settings	Fixed a defect that prevented changes to custom literals or the addition of new literals in the *Mapping* grid from displaying in project preview/output.
ArcFiling/ArcReporting	Project	Reduced the amount of time required to open projects containing a large number of sections or funds.

Product	Module / Location	Description
ArcFiling/ArcReporting	Project: Portfolio components	Fixed a defect wherein **Coupon Rate** values displayed to only two decimal places in portfolio statement output, although rounding settings on the **Calculations** tab of the **Portfolio Statement Templates** page specified *3 Decimals*.
ArcFiling/ArcReporting	Project: Tabular data components	Fixed a defect wherein Excel files containing more than one row type set to *Header* could not be imported into unlinked tabular data components.

Closed Defects - SP1

The following issues were addressed in the 2.0.0 Service Pack 1 release of FundSuiteArc products.

Product	Module / Location	Description
ArcReporting	Shared Legend Templates	Shared legend template functionality was enhanced to allow financial statements of pivoted orientation to be added to shared financial statement footnote legends.
ArcReporting	Project: Portfolio components	Corrected portfolio statement preview logic to prevent the display of the `"item with the same key has already been added"` error message.
ArcReporting	Portfolio Statement Templates	Resolved an issue in which incorrect portfolio statement sorting was reported in project preview and output, when the statement template was set to group by the **Class** field.
ArcReporting	Fund Holdings	Fixed a defect in which changes made to the **Fund Holdings** page were not being logged in the Securities Audit Report.
ArcReporting	Project: Portfolio statement output	Fixed a defect in which, under certain circumstances, totals in the portfolio statement template were incorrectly breaking into a separate table from the remainder of the portfolio.
ArcReporting	Text Libraries	Fixed a defect that caused text snippets to go into an unsaved state when the user clicked within a paragraph in the text editor.
ArcReporting	Project: PDF blacklining	Fixed a defect that prevented users from producing blacklined PDFs after a single-chapter output failed with a `"Pre-Assembly"` error.
ArcReporting	Fund Data Points Audit Report	Fixed a defect that forced the user to select a fund when running the Fund Data Points Audit Report. This prevented the user from running the report at a fund group level.
ArcReporting	Project: Financial statement output	Fixed a defect that caused an error message to be displayed when a user selected a number format that uses commas (,) as the decimal separator.

Product	Module / Location	Description
ArcReporting	Project: Financial statement output	Fixed a defect that prevented the user-defined **Negative Display** format being used, and instead displayed a minus sign (-).
ArcReporting	Fund Holdings	Fixed a defect in category exception logic whereby the application ignored any fund exceptions to categorization when pulling category information into a financial workbook.
ArcReporting	Financial Workbook Templates: Calculation Sheets	Fixed a defect where calculation sheet of type *Classes Across* turned white due to class names containing special characters.
ArcReporting	Financial Statement Templates	Corrected account period suppression logic to ensure that if the first account period shown is suppressed, all subsequent account periods are not also suppressed. Prior to this fix, users were required to sort account periods by descending order only in order to avoid the issue.
ArcReporting	Financial Statement Templates	Fixed a defect that prevented pivoted financial statements from using *000's* suppression.
ArcReporting	Financial Workbook Templates	Corrected horizontal totaling logic to prevent the horizontal total from returning a value of *0* when the open currency rate was set.
ArcReporting	Financial Workbook Templates	Fixed a defect in which horizontal totals did not respect the *000's* suppression setting in statement preview and output.
ArcReporting	Financial Workbook Templates: Calculation Sheets	Updated calculation sheet item copying logic to ensure that category information for items of type *Holdings* copies correctly, and that items of type *Portfolio Statement Definition* copy.
ArcReporting	Financial workbook export	Corrected calculation sheet export logic to ensure the correct match-up of the **Mapped to Element** and **Type Name** columns.

Product	Module / Location	Description
ArcReporting	Project: Financial workbook preview/output	Fixed financial statement preview/output behavior to prevent the display of currencies not in the linked calculation sheet for statements with a *Repeat by Currency* repeat group setup.
ArcReporting	Financial Workbook	Resolved an issue in which a workbook failed to calculate when a calculation sheet contained a conditional value that was set to *Fiscal Year End 1st Prior*.
ArcReporting	Project: Financial workbook preview/output	Updated preview/output logic to support the display of certain special characters (*e.g.*, Ω, Θ, μ, etc.).
ArcReporting	Project: Output	Corrected footnote legend display logic to prevent legends set to display on all pages from displaying only on the last page of statement output.
ArcReporting	Project: Financial workbook preview/output	Fixed a defect in which a financial statement having a *Class by Period* repeat group was not displaying the correct account periods in preview and output.
ArcReporting	Financial Workbook Templates: Calculation Sheets	Corrected an issue wherein the **Financial Workbook Templates** page was not placed in a modified state when a user changed the **Account Period Cycle** of a calculation sheet item formula element, thus preventing the user from saving the change.
ArcReporting	Conditional Value data points	Fixed a defect in which data points of type *Conditional Value* were not able to return a *blank* value.
ArcReporting	Project: Portfolio statement preview/output	Fixed a defect in which the auto-sequencing of footnotes was incorrect for portfolio statement templates of type *Condensed/Summary*.
ArcReporting	Project: Portfolio statement preview/output	Fixed a defect in which the auto-sequencing of footnotes was incorrect for Aggregated Securities records.

Product	Module / Location	Description
ArcReporting	Project: Portfolio statement preview	Fixed a defect in which changes to an unlinked portfolio statement associated with a shared legend were not saved.
ArcReporting	Project: Pivoted financial statement output	Fixed a defect wherein pivoted financial statements' table styles were incorrectly interpreted as *pivoted*, rather than the actual applied table styles.
ArcReporting	Project: Text output	Corrected text component output logic to ensure that the proper indent level of bulleted and numbered list items is passed to the document content processing service.
ArcReporting	Financial Statement Template Output Settings and Tabular Data Template Output Settings	Fixed an issue that caused the specified vertical and horizontal alignment settings for financial statement and tabular data tables to be passed to the document processing service incorrectly, thus preventing the settings from taking effect in output.
ArcReporting	Financial Workbook: History	Fixed a defect wherein changes made via the **History** tab of the **Financial Workbook** page for multi-column statements caused an error in the statement preview.
ArcReporting	Project: Financial statement footnote legends	Updated footnote legend display logic to prevent an empty sub-heading row being added for legend headers, when no text is defined for the header.
ArcReporting	Financial Workbook Templates: Calculation Sheets	Fixed a defect in which calculation sheet items of type *Conditional Value* set to display *Multiple rows/columns (per class)* did not return multiple class values.
ArcReporting	Project: Financial statement preview/output	Fixed a defect that would not allow a user to have multiple fiscal year ending months within one book using the *Fiscal Year End* data point.

ArcReporting

Product	Module / Location	Description
ArcReporting	Project: Text and tabular data output	Fixed a defect that created erroneous custom tags for font size changes and other formatting overrides.
ArcReporting	Fund Holdings	Fixed a defect that would not allow a user to create a fund exception, save changes and then go back to the same security and remove the fund exception without receiving an error message.
ArcReporting	Financial Workbook	Fixed a defect in which zero suppression of line items based on their *Raw* value did not function correctly for items using the secondary rounding level.
ArcReporting	Portfolio Statement Template Output Settings	Corrected application user interface behavior to ensure that item suppression can be applied to output settings assigned to *Stack* records.
ArcReporting	Project: Output	Fixed a defect that caused tables to lose their styles and display in project output with an indication of "`No Table Output Style`".
ArcReporting	Project: Blacklining	Corrected logic to ensure that PDF blacklining can be applied to project output after a chapter name is changed between proof iterations.
ArcReporting	Project: Output	Fixed a defect in which certain style tags were missing in output for financial spread statements.
ArcReporting	Project: Output	Fixed a defect that prevented users from generating *EDGAR (HTML)* project output under certain conditions.
ArcReporting	Dataload	Fixed a defect that prevented new account periods being added to the fund report settings of a complex following a General Ledger data load.

ArcReporting

Product	Module / Location	Description
ArcReporting	Financial Workbook: Calculation Sheets (Currency)	Fixed a defect wherein values were not added to a fund's base currency in calculation sheets of type *Currency*, where the **Currency Code** value was set to *(none)*.
ArcReporting	Financial Workbook: History	Fixed a defect that caused the financial statement preview to misinterpret the calculation sheet rounding level when historic values were added for a line item that was not part of the prior period table (*i.e.*, the line item was created after the prior period was closed).
ArcReporting	Custom Data Point Libraries	Modified the restrictions placed on the data point **Name** field in version 2.0.0, which prevented users from entering any special characters for that field. Users can now enter the following non-alphanumeric characters in the **Name** field: ▪ Space ( ) ▪ Forward slash (/) ▪ Backslash (\ ) ▪ Underscore (_) ▪ Hyphen (-) ▪ Open parenthesis (( ) ▪ Close parenthesis ( ))
ArcReporting	Financial Workbook Templates	Fixed a defect that caused all prior-period horizontal totals to output the values of the current account period.
ArcReporting	Portfolio Statement Templates	Fixed a defect that prevented nested financial statement templates from displaying in the portfolio statement. Note: Pivoted and spread tables are not supported.
ArcReporting	Fund Holdings: Footing	Enhanced fund holdings footing logic such that the same security is consistently chosen for footing when multiple securities exist with identical market values.

Product	Module / Location	Description
ArcReporting	Conditional Value custom data points	Fixed a defect in which custom data points of type *Conditional Value* that reference prior period data forced the recalculation of closed periods and clearing of historic values in some scenarios.
ArcReporting	Financial Workbook	Fixed a defect that caused incorrect trial balance items to be footed when the *Secondary* rounding level was specified.
ArcReporting	Portfolio Statement Templates: Footnote exclusions	Enabled the ***Footnote Exclusions*** tab of the **Portfolio Statement Templates** page for legends of type *Footnote*, through which users can specify the footnote(s) that should not appear in portfolio statement preview and output for projects using the template.
ArcReporting	Portfolio Statement Template Output Settings	Fixed a defect in which the ***Suppress category total if single item is displayed*** setting erroneously suppressed records when the statement template uses *Group* functionality.
ArcReporting	Portfolio Statement Template Output Settings	Fixed a defect in which suppression settings for custom literals did not function correctly for rows of type *Aggregated Securities*.
ArcFiling/ArcReporting	Fund Holdings	Added logic to the **Fund Holdings** page footing routine to determine the proper candidate security for a footing adjustment, based on security value containing the least variance and least impact.
ArcFiling/ArcReporting	Portfolio Statement Template Output Settings	Fixed a defect in which the ***Description 11*** field was not an available selection in the ***Custom Suppression*** drop-down list.
ArcFiling/ArcReporting	Project	Fixed a defect in which a fund's calculation status was being duplicated on the ***Components*** tab of the **Project** page.

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