



FundSuiteArc Version 2.2.0 Release Notes

ArcReporting 2.2.0

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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. In previous versions of ArcReporting, if a user applied a financial footnote to a line item caption in association with a specific fund, account period and/or class, the footnote would display for all the classes in the fund, all the account periods and/or all the funds in a spread. In version 2.2.0, footnote logic was enhanced so the footnote only displays for the assigned fund, account period and/or class. For details on this item, see the ***Account period-, fund- and class-specific display of financial statement footnotes applied to "Caption"*** section on page 128 of this document.

Note:

Due to application changes made in conjunction with this enhancement, it is possible that one or more footnotes applied to line item captions in previous application versions may not display following update to version 2.2.0. Therefore, it is recommended that users make note of any existing footnotes applied to captions **prior to** the update. If any given caption footnote does not display following database update, the user must reapply it in association with the appropriate account period, fund and/or class.

2. In previous versions of ArcReporting, users had the ability to define currency exclusions and currency category exclusions for a given shared legend template through settings on the **Legend Exclusions** tab of the **Shared Legend Templates** page. Following environment update to version 2.2.0, such exclusions must now be defined in association with the appropriate portfolio statement template, via the **Legend Exclusions** tab of the **Portfolio Statement Templates** page. For details on this item, see the **Shared legend template support for exclusions** section on page 257 of this document.

Note:

Any currency exclusions and/or currency category exclusions defined for a given shared legend template will be removed upon environment update to the latest application version. Therefore, it is recommended that users make note of any existing shared legend template currency-related exclusions **prior to** updating to version 2.2.0, and then re-apply the settings to the appropriate portfolio statement template(s) following the update.

3. In previous versions of ArcReporting, when the **Use primary statement's footed values to calculate statement values** check box was selected for a given template on the **Calculations** tab of the **Portfolio Statement Templates** page, all footed values were pulled from the primary statement and no additional calculation was applied. This included all calculable fields, and meant that if the **Total investments** or **Net Assets** value was different than the primary portfolio statement the percentage values would not be adjusted. In version 2.2.0, all the percentage values, such as percentage of total investments and percentage of net assets, are recalculated in secondary portfolio statements (based on the primary footed security market value and the total market value of **Total Investments** or **Net Assets** on the secondary statement itself), then rounded and footed.

Note:

On preview of a closed-period statement that was not yet calculated in version 2.2.0, a one-

time portfolio calculation is carried out so that numbers can be appropriately pulled for statements that include prior period numbers. Due to these changes, users may wish to review secondary statements and note that the values of some calculable fields have different values when the *Total Investments* or *Net Assets* values differ from the primary portfolio.

4. In previous versions of ArcReporting, when users mapped portfolio statement definitions from a secondary portfolio statement (*i.e.*, a portfolio statement whose calculations are linked to the funds primary portfolio), the calculation sheet pulled the raw, unrounded values and then applied the rounding level set within the primary portfolio statement. In version 2.2.0, all values pulled from the secondary portfolio statement will be the rounded and footed values, as seen on the primary portfolio statement.

Note:

Due to this change, users may wish to review all financial workbook calculation sheet items that meet the conditions outlined above, and note that some calculation sheet item values have been adjusted. This will only affect statements that are in an open account period or periods that have been re-opened and the financial workbook recalculated.

5. In previous versions of ArcReporting, if the *Zero Suppress* output settings check box option was specified for a given financial statement line item, the suppression was based upon the mapped values on the financial statement (*i.e.*, column *1* to *N*), regardless of what the output settings template was showing. In version 2.2.0, suppression is based on the value data points mapped to the line item (including *Value 1 - N* and *Horizontal Total 1 - N*). If a *Value-* or *Horizontal Total-* type data point is not mapped and the *Zero Suppress* check box is selected, all values mapped to the line item will be referenced, and if no value other than *0* is found, the line item will be suppressed.

Note:

Due to this change, users may wish to review financial statements to ensure that rows are

being suppressed on the correct value data points.

6. In previous versions of ArcReporting, users had the ability to reference holdings categories that were not part of the fund's primary portfolio statement nor attached to the fund via the **Fund Report Settings** page. This allowed users to pull values for these categories into calculation sheets on the financial workbook. In version 2.2.0, to optimize the performance of the portfolio calculation engine, values will only be calculated for categories that are either part of the fund's primary portfolio statement or attached via the **Fund Report Settings** page. If a category does not meet either of these criteria, no values will be pulled into the calculation sheet.

Note:

Due to this change, users may wish to review the setup of funds to ensure all categories being pulled into the calculation sheets are associated with the fund. Any categories that have been mapped to a calculation sheet and do not have an association to the fund will pull in a value of *0.00*.

7. In previous versions of ArcReporting, when a user set up a calculation sheet of type *Classes Across*, the value shown in the *None/All* column was the sum of each class' raw value, rounded to the level selected by the user on the formula element. This method of calculation caused the sum of the rounded class values, as seen in the calculation sheet user interface, to be different than the value shown in the *None/All* column. In version 2.2.0, calculation logic was updated to ensure that the sum of the rounded class values match the values shown in the *None/All* column.

Note:

Due to this change, users may notice a difference in values in the *None/All* column of calculation sheets of type *Classes Across*. This will only be seen in open account periods, or account periods that are re-opened and then recalculated.



Enhancements Requiring User Decisions

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



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. **Text Snippets: Reference color not applied to data points or last list item symbol**

Overview

Due to a known issue with the 3rd-party text editor control used in FundSuiteArc, if multiple items in an ordered or unordered list are selected and a given reference color is applied to the selection, the specified color is not applied to the number/bullet point of the last list item (although it is applied to the actual text of that list item). Additionally, by design, data points contained in text snippets will not take on the specified reference color.

Process Changes

No changes to current processes are required.



Known Issues in ArcReporting

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

1. **Financial Workbook: Trial balance section scrolls to bottom of grid on expansion of section**

Overview

If two or more trial balance sections are expanded in the tree view grid control of the **Financial Workbook** page, and a third section somewhere below them is subsequently expanded, the contents of the tree view scroll such that the header of the last section is brought to the bottom of the grid. If a user triggers this behavior, and then chooses to condense and subsequently re-expand any given section, the user's place in the grid is maintained as would have originally been expected.

Process Changes

No changes to current processes are required.

2. Financial Workbook: Blank inner row values in Calculation Sheet Mapping Audit Report for consolidated workbooks

Overview

When a users runs a Calculation Sheet Mapping Audit Report for a consolidated financial workbook, all numerical values for inner rows will be blank for calculation sheet items with a consolidation source of type *Fund and Child(ren) Balances* or *Child(ren) Balances*.

Process Changes

When using this report to review the setup of a calculation sheet on a consolidated workbook, users need to be aware that values will be blank. However, all the mapping details in the report do match the application.

3. Financial Workbook: Line captions based on "Section Children" initially display only "Positive Caption" text

Overview

When a given financial statement section's caption is defined as determined by the values of the line items contained therein (*i.e.*, the **Change Caption Based on: Section Children** check box is selected), statement output will always show the specified **Positive Caption**, unless a user makes and saves any sort of change to the financial statement template settings; following a template settings update, the correct caption will be shown (*i.e.*, **Positive Caption**, **Negative Caption** or **Mixed Caption**).

Process Changes

When using this functionality, users need to be aware that the **Positive Caption** text will exclusively be shown until an additional update has been made to the financial statement template.

4. Financial Workbook Template: Calculation sheet names not case-sensitive when using copy functionality

Overview

When a user copies a calculation sheet, if the name of the specified **Source Calculation Sheet** is the same as an existing calculation sheet in the specified **Target Financial Workbook Template**, but is a different case (e.g., **ABC** versus **abc**), the user will get an error message telling them that the copy cannot complete due to a calculation sheet with the same name already existing in the financial workbook.

Process Changes

When using this functionality, users need to be aware that the name of the source calculation sheet must differ from the names of all calculation sheets in the target workbook template.

5. Financial Workbook Template: Financial statement template enters unsaved state when no settings changes made

Overview

When a user selects a financial statement template item or section and clicks the *Edit item details* button, yet subsequently makes no changes via the edit dialogue, the *Save* button for the **Financial Workbook Templates** page is enabled after the *Accept* button on the dialogue is clicked. Users are therefore prompted to save the page (although no actual updates were made) when they attempt to navigate away from the template.

Process Changes

When editing financial statement template items, users need to be aware that they must save the form, even if no changes have been made, prior to navigating from the template.



Release Notes Summary

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

1. Enhancements Common to Multiple Products

1. Display of output formatting settings in Project page preview

The preview pane for tabular data, financial statements and portfolio statements on the **Components** tab of the **Project** page was enhanced to reflect any formatting options that are applied to the components via their respective **Output Settings** pages.

2. Workspace navigation: Project and Project Templates pages

Users can now navigate from a project on the **Project** page to its associated project template via a new hyperlink in the **Project Content** pane. Additionally, users can navigate from a template on the **Project Templates** page to its associated document structure via a hyperlink on the **Contents** tab of the page.

3. Securities Audit Report enhancements

The Securities Audit Report was enhanced to include changes related to Repo Collateral holdings, and to provide additional information related to affected funds.

4. Enhanced ability to view other funds that hold same security: Global Holdings Review

Users can now easily view any given security record that is held in other funds and complexes within an environment via an enhanced **Global Holdings Review** page and links from the **Fund Holdings** page.

5. Category Libraries page refresh enhancements

The **Category Libraries** page was enhanced so that the **Categories** results grid is refreshed automatically as a different account period and/or language is selected within each respective drop-down list.

6. Portfolio and financial statement template Missing Output Settings Report

Users can now generate a report that lists all rows within a financial and/or portfolio statement template that do not have any output settings applied. This report can be run via a menu item in the **Reports** menu section on the **Reporting Workspace** tab, or from the **Project** page.

7. Export/Import/Copy document structure templates

Users now have the ability to use an existing document structure template as the basis for a new template. Existing document structure templates can be directly copied within the same FundSuiteArc environment or exported to a file that can be imported to a different environment.

8. Project page tree view behavior enhancements

The tree view in the **Project Content** pane of the **Project** page was enhanced to keep the vertical scroll bar from jumping to the top when a user expands chapters or sections in the tree view, or when a user accesses functionality that exists on other tabs of **Project** page.

9. Project Templates page tree view behavior enhancements

The tree view on the **Contents** tab of the **Project Templates** page was enhanced to keep the vertical scroll bar from jumping to the top when a user accesses features in other portions of the **Contents** tab, or functionality that exists on other tabs of **Project Templates** page.

10. Support for special characters in data import and export

The properties of certain database fields were enhanced to support a specific set of ASCII and non-ASCII characters, codes, symbols and signs (see **Appendix A: Special Character Support** on page 290 of this document for full list of characters). Where possible, related application user interfaces and processes (e.g., data import, project preview and output, report export, etc.) were updated to support this new functionality.

11. Project Template Audit Report

A Project Template Audit Report is now available that provides users with details of the changes made to project templates. This standalone report is accessible via the **Reports** menu section on the **Administration** tab. A button to navigate directly to the report is also now available on the **Project Templates** page.

12. Custom zero display output settings

Users now have the ability to customise the output display of zero and rounded-to-zero numeric values on custom data points, financial, portfolio and tabular data templates.

13. Enhanced roll-forward behavior for "Repurchase Agreement" and "Other" investment types

In previous versions of FundSuiteArc, the categorization logic for securities with an investment type of **Repurchase Agreement** or **Other** was designed to not roll forward existing categorization from the previous period under any circumstance. In order for securities of these investment types to be categorized, a Holdings data import file was required to contain valid categorization records for the securities. Users can now specify certain load options to ensure the categorization of **Repurchase Agreement** or **Other** securities.

14. Ability to freeze columns in tabular data, financial statement and portfolio statement preview

Data grids on the **Financials** tab of the **Financial Workbook** page and the **Components** tab of the **Project** page were enhanced to display a fixed leftmost column by default. Users can drag the grid's splitter bar to

include other columns in the fixed region, as well.

15. **Document structure template "Chapter Code" and "Section Code" are now required fields**

With an aim to reduce the number of variables that may cause errors in project setup, and therefore prevent the generation of project output, each chapter and section within a given document structure template must now have a unique code among other chapters/sections in that template.

16. **Ability to define multiple Holdings load profiles per complex**

Users now have the ability to create multiple holdings load profiles per complex to allow for greater flexibility when loading data via FTP or front-end Excel import. Previous versions of FundSuiteArc allowed for settings to be defined on a single version of the **Holdings Load Options** page, for FTP dataloads only.

17. **Ability to configure number of days prior to/post period end for automatic project creation**

Users now have the ability to control the number of days prior to or post an account period end that associated projects are created. Prior to version 2.2.0, projects were automatically created 15 days prior to each period end. Users can now change this setting at the database level to control the number of days prior to/post a given account period end that the associated project is created.

18. **Portfolio Statement Template Audit Report**

A Portfolio Statement Template Audit Report is now available that provides users with details of the changes made to portfolio statement templates. This standalone report is accessible via the **Reports** menu section on the **Administration** tab in both ArcFiling and ArcReporting. A button to navigate directly to the report is also now available on the **Portfolio Statement Templates** page.

19. **Ability to load category exceptions**

Currently, users can apply a category exception manually to each security via the **Holdings** tab of the **Fund Holdings** and **Fund Holdings - Classic** pages. Users can now apply category exceptions to all securities of a particular category type in a data source file through use of a new **Load as Exception** dataload/data import setting.

20. **Assigned complex for existing text and footnote libraries no longer editable**

To prevent potential issues with project setup and maintenance, the complex with which a given text or footnote library is associated can no longer be changed after the library is created and saved.

21. **Display of fund code with fund name**

In most areas of FundSuiteArc where a fund name is displayed as read-only text or as a drop-down list selection, the corresponding fund code will now also display within parentheses, after the fund name.

22. **Text Snippet Audit Report enhancements**

Enhancements were made to the existing Text Snippet Audit Report to facilitate tracking of deleted snippets, as well as viewing of changed snippet content as either formatted text or XML.

23. **Text Libraries Extract**

Users can now export the content and details associated with all text snippets in a given text library to a file of Word (DOC) format.

24. **Ability to specify a distinct number of mappable columns for portfolio statement categories, groups and items**

Users can now specify the number of mappable columns displayed for the various categories/groups that exist within a given portfolio statement template, as well as for line items of types *Formula*, *Column Header*, *Net Assets*, *Other Assets* and *Total Investments*, thus allowing for greater flexibility in accommodating layout differences among individual security types.

25. **Enhancements to footnote and text library content functionality**

A series of updates related to footnote and text snippet content were made across several application pages and exports.

26. **Change to handling of fund holdings values for "Closed" account periods**

A change was made to the handling of fund holdings values for "Closed" account periods. In previous versions of FundSuiteArc, holdings values for a closed period were re-summed in project preview and/or generation of output to derive total values.

27. **Enhanced behavior on Project page for suppressed or undefined components**

Functionality was added to the **Project** page to alert users when a given component in the project is either undefined (*i.e.*, has no associated output settings) or will be suppressed in output due to **Advanced Suppression** settings specified for the project's template.

2. Enhancements to ArcReporting

1. Ability to multi-select items for mapping to a calculation sheet

Users now have the ability to multi-select items when mapping to a calculation sheet item via the **Financial Workbook Templates** page.

2. Increased character limit for portfolio statement template category exception names

Users can now specify names for portfolio statement template category exceptions of up to 500 characters, due to an increase in the character limit of the *Exception Name* field.

3. Account period-, fund- and class-specific display of financial statement footnotes applied to "Caption"

Logic for footnotes applied to financial line item captions was enhanced, such that an assigned footnote will only display in statement preview and output based on the footnote assignment settings and according to the class, fund and account period with which the statement/item is associated.

4. Trial Balance Definitions Audit Report

A Trial Balance Definitions Audit Report was added to ArcReporting, which tracks all additions and changes made to the *Trial Balance Definitions* tab of the **Financial Workbook Templates** page.

5. Calculation Sheet Template Audit Report

A Calculation Sheet Template Audit Report was added to ArcReporting, which tracks all additions and changes made to the *Calculation Sheets* tab of the **Financial Workbook Templates** page.

6. Financial Statement Template Audit Report

A Financial Statement Template Audit Report was added to ArcReporting, which tracks all additions and changes made to the *Financial Statement Templates* tab of the **Financial Workbook Templates** page.

7. Ability to access and edit calculation sheet item formulas from the Financial Workbook page

When reviewing financial data via the *Calculation Sheets* tab of the **Financial Workbook** page, users now have the ability to right-click the *Value* link associated with any given calculation sheet item to edit its underlying formula.

8. **Financial Workbook page usability enhancements**

When previewing financial data via any of the various tabs on the **Financial Workbook** page, the last view a user defines on any given tab is retained when switching tabs.

9. **Calculation Sheet Account Mapping Audit Report**

The ability to export a Calculation Sheet Account Mapping Audit Report in Excel format was added to the **Calculation Sheets** tab of the **Financial Workbook** page. The report offers information pertaining to where each line item is mapped and (if applicable) the child(ren) of each item, down to 5 levels.

10. **Ability to break out line items greater than n%**

ArcReporting was enhanced to allow a user to designate certain financial statement line items in a section to remain broken out based on a designated percentage. Items that are less than the designated percentage will be reclassified to another financial statement line item in the section specified by the user.

11. **Project Locking Audit Report enhancements**

The Project Locking Audit Report was enhanced to display only one line on the report when a user locks/unlocks a given chapter set to *All Funds - Single*.

12. **Ability to drill down to account level for calculation sheets in a financial workbook**

ArcReporting was enhanced to allow a user to drill down to the account level for calculation sheet items that are linked to other calculation sheets in a financial workbook. The user can now also right-click account-level items (*i.e.*, *Trial Balance Account*, *Fund Data Point*, *Class Balance* or *Supplemental Data*) and be taken to the appropriate user interface to make edits.

13. **Ability to apply a document structure template assigned to one reporting cycle to other cycles**

For project templates set up for more than one reporting cycle, users can now assign a document structure template to one cycle and then apply that template to one or more other cycles defined in the template. When a project template utilizes this functionality, the structure and settings defined on the **Contents** tab of the **Project Templates** page are applied at once to all the reporting cycles using the same document structure template.

14. **Footnote Preview and Assignment page usability enhancements**

The **Footnote Preview and Assignment** page was enhanced to provide users with additional security identifier information, filters on grid columns and the ability to apply footnotes to multiple securities at once.

15. Portfolio statement circular reference report and enhanced "Other Assets" item mapping

Users with appropriate rights can now map calculation sheet items of types other than *Other Assets* to a portfolio statement template *Other Assets* line item. A new circular reference report is also now available, to help users identify any potential circular references created by mapping holdings data back to the portfolio statement from a financial workbook calculation sheet item.

16. Real time financial workbook calculation engine issue notification

In previous versions of ArcReporting, a status of *Not Calculated* was returned on the **Financial Workbook** page if any issues/errors were encountered when the calculation engine ran. Users are now notified in real time of any such issues by means of more meaningful visual cues in the user interface and through detailed error reports.

17. Consolidated financial workbook calculations

Users can now create consolidated financial statements using functionality on the **Fund Relationships** page and enhancements to the **Financial Workbook Templates** page. A setup of this type will autosum the underlying trial balance of a parent company and its subsidiaries.

18. Dynamic security categorization

Users now have the ability to set up dynamic categories. This functionality allows users to define aggregation logic at the category level and reclassify securities into positive and negative categories in real time, based upon the value of a specified numeric data field.

19. Calculation sheets: Custom sort profiles

Users are now able to define custom sort ordering for calculation sheets displayed in several areas of the **Financial Workbook Templates** and **Financial Workbook** pages, so that the most commonly-used calculation sheets display first in the respective user interfaces.

20. Support for mid-footnote table references and portfolio statement template groups

In the ArcReporting 2.0.0 product release, functionality was introduced that allows users to insert a single tabular data, financial statement or portfolio statement table into a financial or portfolio statement footnote. This functionality was enhanced, such that users can now add multiple table references to a single footnote (including portfolio or financial statements that have their own footnote legends), with footnote text before and/or after each table reference.

Users can now also create and insert portfolio statement template "groups" into portfolio statement footnotes. Portfolio statement tables in a statement template group can have their own footnote auto-sequencing, independent of the main portfolio statement.

21. Reporting Workspace navigation: Financial Workbook page

Users can now navigate from the **Financial Workbook** page to the **Project** page, the **Financial Statement Templates** tab of the **Financial Workbook Template** page, and the **Financial Statement Template Output Settings** page with one click, via respective hyperlinks that were added to the **Financials** tab of the page.

22. Custom portfolio statement sorting

The **Fund Holdings** and **Fund Holdings - Classic** pages were enhanced to include a new **Caption - Custom Sort** field. Users can populate this alternate field with a text string that will be used as the basis for caption sorting, rather than the text in the standard **Caption** field.

23. User-defined financial statement column placement and advanced spread configuration

In previous versions of ArcReporting, all columns in a financial statement that did not have the **Caption** data point mapped (e.g., horizontal totals) were displayed in output on each page before or after a spread. Users now have the ability to define precisely where a column will be placed in relation to a spread/repeat group via settings added to the **Financial Statement Template Output Settings** page. This functionality allows for statements to have horizontal totals on the first/last page of a spread only.

Spread settings on the **Project Templates** page were also enhanced to allow users to specify the number of funds per page at an individual page level, as opposed to only for all left or right pages. Additionally, users can now force content from the last page of the spread to an additional page, to prevent the last column from running long on a page (e.g., a horizontal total after an even number of funds).

24. Ability to sort currency records by currency code in intermingled legends

Users can now specify that currency legend records be sorted by their **Currency Code** value within portfolio statement intermingled legends by means of new and updated settings related to currencies on the **Portfolio Statement Templates**, **Portfolio Statement Template Output Settings** and **Shared Legend Template Output Settings** pages.

25. Fund-specific footnote text

Users can now create fund-specific textual content for general ledger and holdings footnote snippets. This new feature allows for the output of different text for distinct account period, language and fund combinations when needed.

26. Ability to designate category types as aggregation specifications

Users can now specify category types as fields by which to aggregate portfolio statement template items. Associated output settings are also now available for category types employed for aggregation purposes.

27. Holdings Batch Replace enhancements

Several enhancements were made to the **Holdings Batch Replace** page to improve general usability.

28. Shared legend template support for exclusions

Shared legend template updates were made to support the need for abbreviation, footnote and/or currency exclusions for legends.

29. Advanced cell content editing for unlinked financial and portfolio statements

Users can now make cell-, row- or column-level edits to line items of unlinked financial or portfolio statements in a project.

30. Ability to load supplemental data

Users can now load supplemental data items by means of a push-button Excel data import or an automated secure FTP dataload.

31. Financial and portfolio statement Project Output Validation Report

Users can now generate a report that lists all the total rows within a financial or portfolio statement template whose children rows do not sum to the value displayed in the project output. This report can be run via the **Project** page.

32. Ability to override chapter/section account period setting for individual portfolio statement templates

Users can now override chapter- or section-level **Account Period Behavior** settings to display any given portfolio statement template in a chapter or section for different account periods. This functionality is needed in situations with multiple-fund books, where current and prior period statements are shown for each fund within a single chapter or section.

33. Calculation Sheet Circular Reference Audit Report location change

The existing Calculation Sheet Circular Reference Audit Report is now generated from the **Calculation Sheets** tab of the **Financial Workbook** page.

34. **Historical Data Audit Report**

Changes made to historical data within financial workbooks are now captured in a new Historical Data Audit Report. The report is accessed via the **Reports** menu section on the **Reporting Workspace** tab. A button to navigate directly to the report is also now available on the **History** tab of the **Financial Workbook** page.

35. **Ability to preview text snippets in project templates**

Users can now view the content of assigned snippets via the **Project Template** page.



Enhancements Common to Multiple Products

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

1. Display of output formatting settings in Project page preview

Overview

The preview pane for tabular data, financial statements and portfolio statements on the **Components** tab of the **Project** page was enhanced to reflect any formatting options that are applied to the components via their respective **Output Settings** pages.

What's New

In previous versions of FundSuiteArc, any formatting applied in the output settings of financial statement, portfolio statement or tabular data templates was not reflected in the **Project** page preview; only minimal formatting was applied to content in the project preview to provide the user with a few visual cues. The **Project** page preview pane was enhanced to more directly reflect the output formatting styles applied to the various components' templates.

1. When viewing a financial statement, portfolio statement or tabular data component via the **Components** tab of the **Project** page, the following output formatting settings will be reflected in the display of a cell, row or item:
 - a. Style
 - i. Bold
 - A. Content is displayed as bolded text.
 - ii. Italic
 - A. Content is displayed as italicized text.
 - iii. Superscript
 - A. Content is displayed as superscripted text.
 - iv. Subscript
 - A. Content is displayed as subscripted text.

- v. Underline
 - A. If underline option **1** is specified, the cell displays a single underline with a color of black.
 - B. If underline option **2** is specified, the cell displays a single underline with a color of dark green.
 - C. If underline option **3** is specified, the cell displays a single underline with a color of red.
 - b. Color
 - i. If color option **1** is specified, the cell text displays with a dark orange color.
 - ii. If color option **2** is specified, the cell text displays with a yellow color.
 - iii. If color option **3** is specified, the cell text displays with a blue color.
 - c. Shading
 - i. If shade option **1** is specified, the cell displays with a light gray background color.
 - ii. If shade option **2** is specified, the cell displays with a gray background color.
 - iii. If shade option **3** is specified, the cell displays with a dark gray background color.
 - d. Horizontal Alignment
 - i. If **Left** alignment is specified, the content displays left-aligned.
 - ii. If **Center** alignment is specified, the content displays center-aligned.
 - iii. If **Right** alignment is specified, the content displays right-aligned.
 - e. Vertical Alignment
 - i. If **Top** alignment is specified, the content displays top-aligned.
 - ii. If **Middle** alignment is specified, the content displays middle-aligned.
 - iii. If **Bottom** alignment is specified, the content displays bottom-aligned.
2. The following formatting options are **not** reflected in project preview, even if they are applied in the output settings:
- a. Any formatting applied to Footnote items.
 - b. Any adjustments made to the **Row Space Above** setting.

- c. Any adjustments made to the *Column Width* setting.

Additional Information

All existing formatting that was displayed in the project preview in previous versions of FundSuiteArc was removed. If a user has not applied any formatting options in the output settings for a given component, content for that component displays as plain text/values in the project preview pane.

Process Changes

No changes to current processes are required.

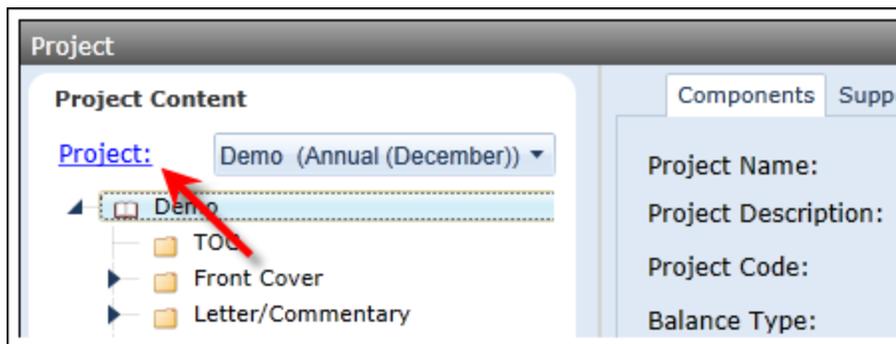
2. Workspace navigation: Project and Project Templates pages

Overview

Users can now navigate from a project on the **Project** page to its associated project template via a new hyperlink in the **Project Content** pane. Additionally, users can navigate from a template on the **Project Templates** page to its associated document structure via a hyperlink on the **Contents** tab of the page.

What's New

1. The **Project** drop-down list label at upper-left of the **Project** page is now a clickable link.



- a. The link is enabled only when a valid selection is specified for the **Project** drop-down list.
- b. Clicking the link causes the **Project Templates** page to open for the specified project template with the **Contents** tab in focus.

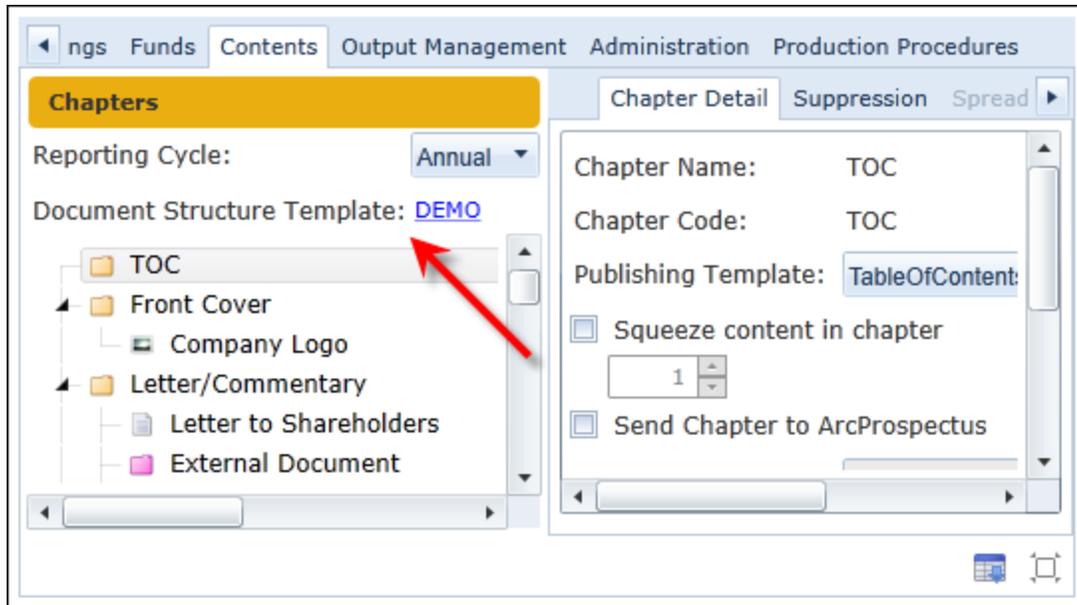
Note:

The existing *Open Project Templates Page (ArcReporting)* user right is required to open the **Project Templates** page. If a user does not have this right, an **Insufficient Rights** pop-up dialogue displays when the link is clicked (and the page will not open).

- i. The specified account period type is also selected in the **Reporting Cycle** drop-down list.
- ii. If the **Project Templates** page is already open and in an unsaved state at the time the user clicks the link, they will be prompted to save/revert changes before viewing the target project template (the same behavior as would be exhibited if a user attempted to navigate to a different

project template by clicking its corresponding row in the **Listing** pane of the **Project Templates** page, while the current template is in an unsaved state).

2. A **Document Structure Template** label and associated link are now displayed at upper-left of the **Contents** tab of the **Project Templates** page.



- a. The link displays only when a valid selection is specified for the **Reporting Cycle** drop-down list, and its text reflects the name of the document structure template associated with the account period type specified.
- b. Clicking the link causes the **Document Structure Templates** page to open for the current project template, in association with the account period type specified in the **Reporting Cycle** drop-down list.

Note:

The existing [Open Document Structure Templates Page \(ArcReporting\)](#) user right is required to open the **Document Structure Templates** page. If a user does not have this right, an **Insufficient Rights** pop-up dialogue displays when the link is clicked (and the page will not open).

- i. If the **Document Structure Templates** page is already open and in an unsaved state at the time the user clicks the link, they will be prompted to save/revert changes before viewing the target document structure template (the same behavior as would be exhibited if a user

attempted to navigate to a different document structure template by clicking its corresponding row in the *Listing* pane of the **Document Structure Templates** page, while the current template is in an unsaved state).

Process Changes

No changes to current processes are required.

3. Securities Audit Report enhancements

Overview

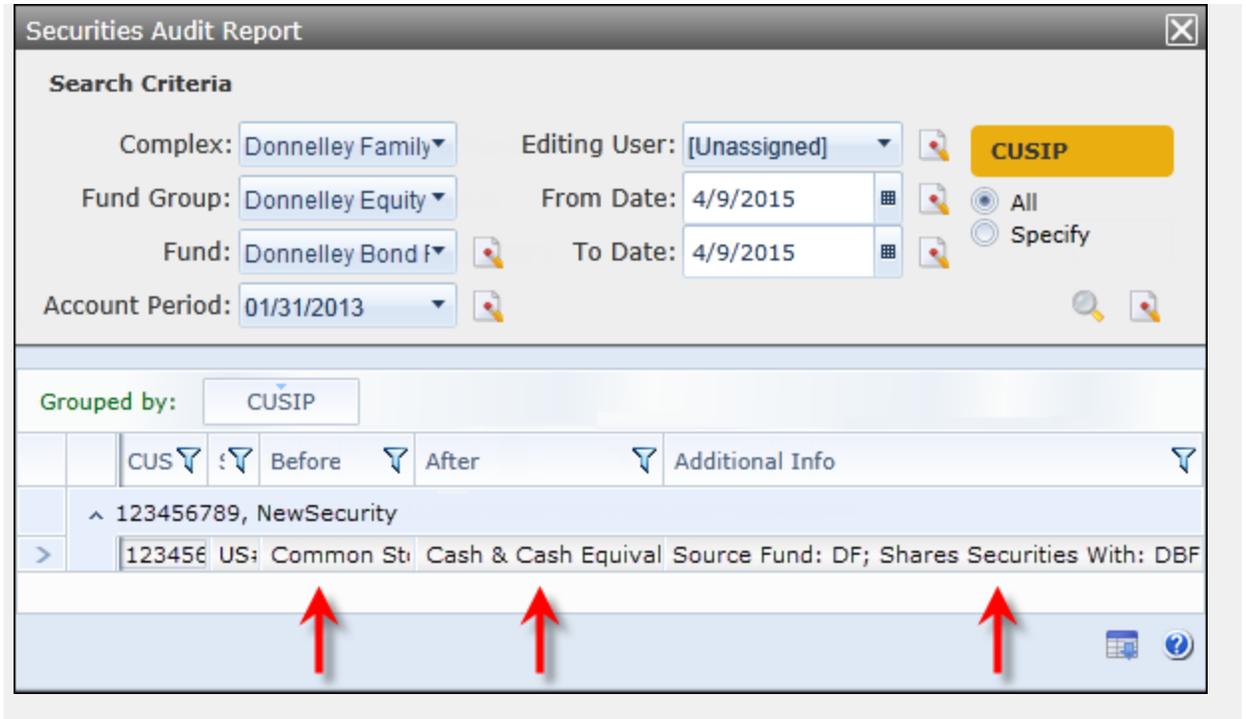
The Securities Audit Report was enhanced to include changes related to Repo Collateral holdings, and to provide additional information related to affected funds.

What's New

1. Previous versions of the Securities Audit Report included a **Fund** column that was populated with the fund name. This column was displayed only for security balance-type changes. This column was renamed as **Fund Code**, and is now populated with the corresponding fund code. This column will now be populated when the following types of changes appear in the report:
 - a. *Security Add*
 - b. *Security Categorization*
 - c. *Security Change*
 - d. *Security Footnote Attach*
 - e. *Security Footnote Detach*
2. The Securities Audit Report was enhanced to include more detailed information in the **Additional Info** column. The **Additional Info** column will now provide a comma-delimited list of fund codes with which the source fund shares securities, when a security categorization- or security balance-type change is made.

Example:

A user changes the **Security Investment Type** categorization from *Common Stocks* to *Cash & Cash Equivalents* in the Donnelley Dividend Fund for CUSIP *123456789*. The Donnelley Dividend Fund shares this security with the Donnelley Bond Fund. When the user produces a Securities Audit Report, using the criteria shown in the figure below, the user will receive the result in the **Additional Info** column, including the source fund and fund code of the fund by which the original categorization change was made, and the fund code(s) of the fund(s) that share(s) the security with the source fund.



Process Changes

No changes to current processes are required.

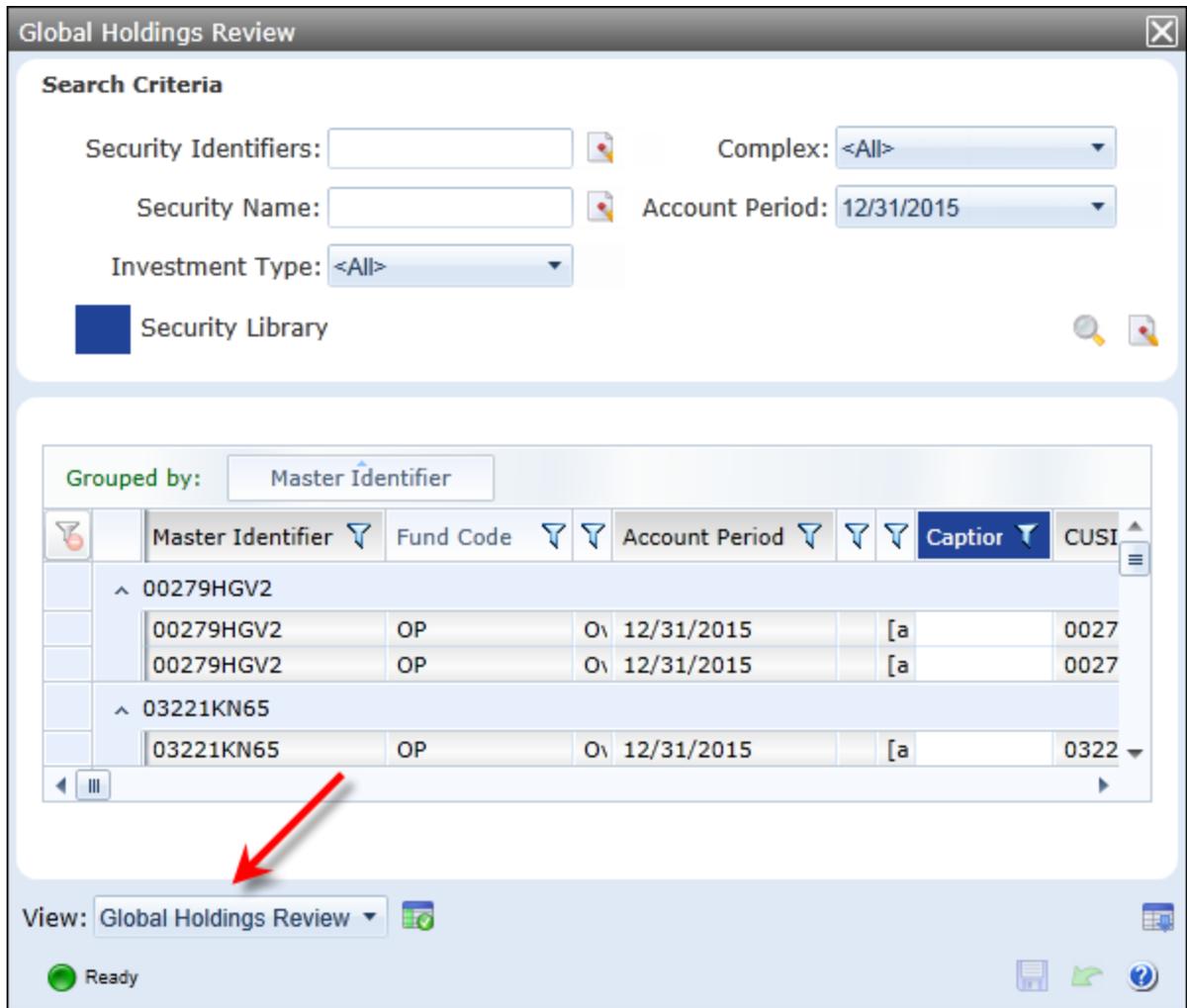
4. Enhanced ability to view other funds that hold same security: Global Holdings Review

Overview

Users can now easily view any given security record that is held in other funds and complexes within an environment via an enhanced **Global Holdings Review** page and links from the **Fund Holdings** page.

What's New

1. A **View** drop-down list and associated button are now displayed at lower-left of the **Global Holdings Review** page, beneath the grid.



- a. This allows users to create custom views of data in the results grid.
 - i. The views functionality is similar to that of the existing **Fund Holdings** and **Fund Holdings - Classic** pages.

Note:
 Views defined for **Fund Holdings** page will not be visible/shared in the **Global Holdings Review** page, nor will views created for the **Global Holdings Review** page be visible/shared in the **Fund Holdings** page.

2. An **Export data** button is now displayed at lower-right of the grid on the **Global Holdings Review** page, which allows the user to download the report to a specified format.
3. Right-clicking in any cell in any row of the **Fund Holdings** page or the **Fund Holdings - Classic** page now presents an **Open Global Holdings Review** option in the context menu.
 - a. Selecting this option causes the **Global Holdings Review** page to open.

Note:

The existing **Open Global Holdings Review Page (ArcReporting)** user right is required to open the **Global Holdings Review** page. If a user does not have this right, an **Insufficient Rights** pop-up dialogue displays when the option is clicked (and the page will not open).

- i. When the page is opened via this right-click action, the following **Search Criteria** fields will be auto-populated:
 - A. **Account Period**
 - B. **Complex**
 - C. **Security Identifiers** (populated with **Master Identifier** value)
 - D. **Investment Type**
- ii. The **Search** button will effectively be clicked, such that records matching the specified search criteria will be displayed in the results grid of the page.

Process Changes

No changes to current processes are required.

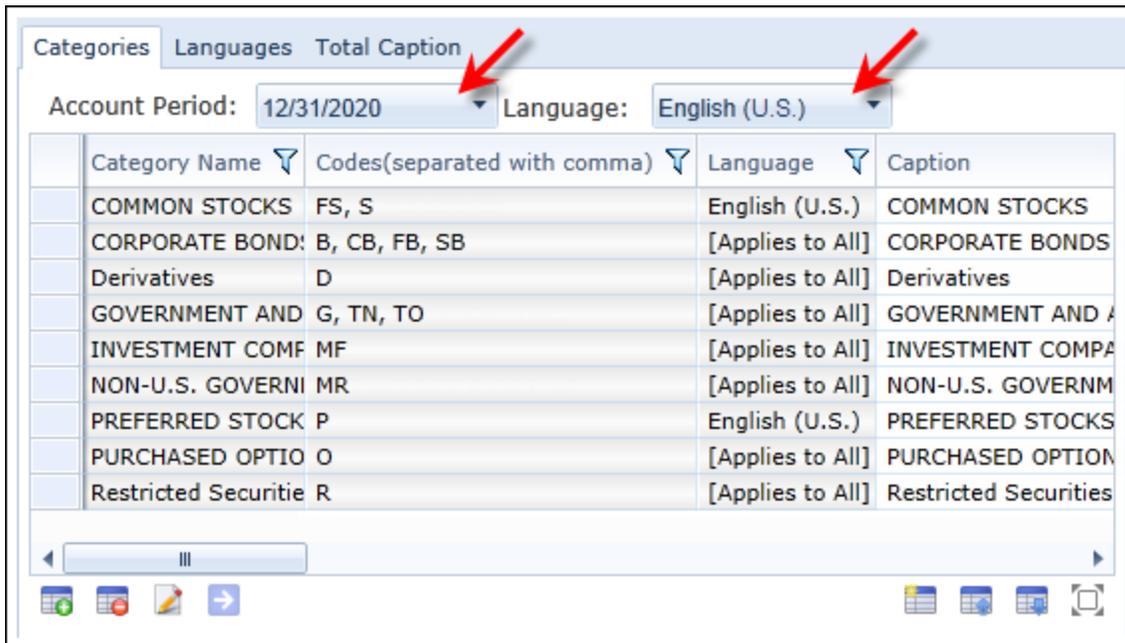
5. Category Libraries page refresh enhancements

Overview

The **Category Libraries** page was enhanced so that the **Categories** results grid is refreshed automatically as a different account period and/or language is selected within each respective drop-down list.

What's New

In previous versions of FundSuiteArc, the user was required to click a button (🔍) to refresh the **Categories** results grid on the **Category Libraries** page following the selection of a different account period and/or language.



The **Search** button was removed from the page, and the results grid now refreshes automatically when the user specifies a new value in either the **Account Period** or **Language** drop-down list.

Process Changes

No changes to current processes are required.

6. Portfolio and financial statement template Missing Output Settings Report

Overview

Users can now generate a report that lists all rows within a financial and/or portfolio statement template that do not have any output settings applied. This report can be run via a menu item in the **Reports** menu section on the *Reporting Workspace* tab, or from the **Project** page.

What's New

1. A new **Missing Output Settings Report** page was added to FundSuiteArc, through which users can generate a listing of portfolio and/or financial statement line items that have no output settings defined for a specified complex/fund group/fund in a given project. The page is accessed via a new menu item of the same name, under the **Reports** menu section on the *Reporting Workspace* tab.

Note:

The new *Open Missing Output Settings Report Page (ArcReporting)* user right is required to open the **Missing Output Settings Report** page.

- a. The report can be run for a project across:
 - i. A single complex.
 - ii. A single fund group or multiple fund groups (by specifying *[None]* for the *Fund Group* report filter).
 - iii. A single fund or multiple funds (by specifying *[None]* for the *Fund* report filter).
- b. The report contains the following information:
 - i. Header information, displaying the values specified below, dependent on the page from which the report is generated:
 - A. *Report Date*
 1. Displays the date and time (on the server) at which the report was run.

B. **Generated By**

1. Displays the name of the user that ran the report in *Last Name, First Name* format.

C. **Complex**

1. If the report was run via the **Missing Output Settings Report** page, displays the **Complex** selection specified in the **Report Results Filters** group box.
2. If the report was run via the **Project** page, displays the name of the complex with which the project is associated.

D. **Fund Group**

1. If the report was run via the **Missing Output Settings Report** page, displays the **Fund Group** selection specified in the **Report Results Filters** group box.
2. If the report was run via the **Project** page, displays *[None]*.

E. **Fund**

1. If the report was run via the **Missing Output Settings Report** page, displays the **Fund** selection specified in the **Report Results Filters** group box.
2. If the report was run via the **Project** page, displays *[None]*.

F. **Project**

1. If the report was run via the **Missing Output Settings Report** page, displays the **Project** selection specified in the **Report Results Filters** group box.
2. If the report was run via the **Project** page, displays the name of the project.
3. The name is appended with the account period type value and fiscal year end value, in parentheses.

Note:

When the account period type is *Monthly*, no parenthetical fiscal year end value is displayed.

Examples:

- *My Project Name (Annual (January))*
- *My Project Name (Semi-Annual (July))*
- *My Project Name (Monthly)*

G. Statement Template

1. If the report was run via the **Missing Output Settings Report** page, displays the **Statement Template** selection specified in the **Report Results Filters** group box.
2. If the report was run via the **Project** page, displays *[None]*.

H. Account Period

1. Displays the account period specified in the fund selection bar at the time the report was run, whether via the **Missing Output Settings Report** page or via the **Project** page.

ii. Data in the following columns:

A. Template Name

1. Displays the name of the financial or portfolio statement that contains the line item with no output settings.

B. Statement Type

1. Displays one of the following values, dependent on the base type of the statement:
 - a. *Financial*
 - b. *Portfolio*

C. Line Item

1. Displays the location and name of the line item within the statement.

2. If the item is in a tree view, each parent line item is displayed with the greater-than symbol (>) as a separator (e.g., *Assets > Cash at Banks, Market Allocation > Security Type 1 > Country - Ireland > Security*, etc.).

D. **Part of Total**

1. Displays one of the following values, dependent on whether or not the line item is contained within a total (i.e., it is a security or a financial statement template line item with a section total):
 - a. *False*
 - b. *True*

E. **Project Location**

1. Displays the location within the project tree view where the statement template is located.
2. Repeat groups are ignored.
3. If a given statement template exists multiple times in the project, a row representing the first instance of the template is displayed.
4. Chapters, sections and items are separated by a greater-than symbol (>) (e.g., *Primary Statements > Primary Statements > Balance Sheet*).

Note:

For Excel output, the information is displayed on a single worksheet, which is named *Sheet1*.

- c. A **Report Results Filters** group box is displayed in the upper portion of the page, containing fields whose selections will filter the results of the report.
 - i. A **Complex** drop-down list is displayed at upper-left of the group box.
 - A. Available selections are as follows:
 1. *[None]*
 2. <all complexes to which the current user has access, listed alphabetically by complex name>

- B. The complex specified in the fund selection bar at the time the page is opened is selected by default.
 - C. If no complex is specified (*i.e.*, if the **Reset Fund Selection** button had been clicked, clearing the fund selection bar altogether), **[None]** is the default selection when the page is opened.
 - D. If the user changes one or more selections in the fund selection bar while the page is open, the selections in the **Report Results Filters** group box will not be updated to reflect them.
- ii. A **Fund Group** drop-down list is displayed beneath the **Complex** drop-down list.
- A. Available selections are as follows:
 1. **[None]**
 2. <all fund groups associated with the specified complex, listed alphabetically by fund group name>
 - B. 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. The fund group specified in the fund selection bar at the time the page is opened is selected by default.
 - D. If no fund group is specified (*i.e.*, if the **Reset Fund Selection** button had been clicked, clearing the fund selection bar altogether, or if either **[Select Group]** or **All Fund Groups** is selected), **[None]** is the default selection when the page is opened.
 - E. If the user changes one or more selections in the fund selection bar while the page is open, the selections in the **Report Results Filters** group box will not be updated to reflect them.

- iii. A **Fund** drop-down list is displayed beneath the **Fund Group** drop-down list.
 - A. Available selections are as follows:
 - 1. *[None]*
 - 2. <all funds associated with the specified fund group, listed alphabetically by fund name>

Note:
 The fund code of each selection is displayed within parentheses after the fund name (e.g., *MyFund (MyFundCode)*).
 - B. If the value of the **Complex** drop-down list is changed by the user, the **Fund** drop-down lists will be updated to reflect selections that are associated with the newly-selected complex.
 - C. If the value of the **Fund Group** drop-down list is changed by the user, the **Fund** drop-down list will be updated to reflect selections that are associated with the newly-selected fund group.
 - D. The fund specified in the fund selection bar at the time the page is opened is selected by default.
 - E. If no fund is specified (*i.e.*, if the **Reset Fund Selection** button had been clicked, clearing the fund selection bar altogether, or if either *[Select Fund]* or *All Funds* is selected), *[None]* is the default selection when the page is opened.
 - F. If the user changes one or more selections in the fund selection bar while the page is open, the selections in the **Report Results Filters** group box will not be updated to reflect them.
- iv. A **Project** drop-down list is displayed at right of the **Complex** drop-down list.
 - A. Available selections include all projects in the current environment associated with the specified fund, or with the fund(s) in the specified complex/fund family, for the account period specified in the fund selection bar, listed in ascending order by project name.

- B. The name is appended with the account period type value and fiscal year end value, in parentheses.

Note:

When the account period type is *Monthly* no parenthetical fiscal year end value is displayed.

Examples:

- *My Project Name (Annual (January))*
- *My Project Name (Semi-Annual (July))*
- *My Project Name (Monthly)*

- v. A **Statement Template** drop-down list is displayed beneath the **Project** drop-down list.

- A. Available selections are as follows:

1. *[None]*
2. <all financial and portfolio statement templates associated with the specified project, listed alphabetically by project name>

- d. An **Output Format** drop-down list is displayed at lower-right of the page.

Note:

Currently, the only available output format is Excel.

- e. A **Generate output** button is displayed at lower-right of the page, at right of the **Output Format** drop-down list.

- i. Clicking the button causes a report to be generated according to the specified report results filters.

- f. When the report is run, the data is filtered according to the specified **Report Results Filters** selections and the resulting report is sent to the Output Queue.

- i. The Output Queue **Type** value for the output is *Missing Output Settings Report (Excel)*.
- ii. The Output Queue **For** value for the output is the name of the project.

- g. The report only checks a given template once (*i.e.*, repeat groups and multiple references to a given table are ignored).
 - i. Only tables that are attached to the specified project are considered.
 - ii. Tables inserted into footnotes are not checked.
 - iii. Table inserted into text snippets are not checked.

Note:

If no line items with missing output settings are found in any statement templates, the message (*no line items missing output settings were found*) displays in the output file.

2. An **Output Validation** section was added to the **Output Management** tab of the **Project** page, beneath the existing **Output Options** section, under which a series of check box options are displayed (as "children"; indented).
 - a. **Missing Output Settings Report (Excel)**

The screenshot shows the 'Output Management' tab in a web application. The interface includes a breadcrumb trail: Schedules > Supporting Documents > Production Procedures > Output Management. Below the breadcrumb, the 'Current Draft Version' is set to 6. The 'Output Document Type' section contains five unchecked checkboxes: PDF, Word, EDGAR (HTML), Excel, and XBRL. The 'Output Blackline Type' section has four unchecked checkboxes: PDF Blackline (Financial), PDF Blackline (Strikethrough), PDF Change Pages Clean, and PDF Change Pages Blackline (Financial). To the right of these are two dropdown menus: 'From draft:' set to 6 and 'To draft:' set to 5. The 'Output Options' section has two unchecked checkboxes: 'Include Bannerline (PDF only)' and 'Hide Bleeds (PDF only)'. The 'Output Validation' section, which is the focus of the red arrow, contains two unchecked checkboxes: 'Missing Output Settings Report (Excel)' and 'Project Output Validation Report (Excel)'. At the bottom, there are links for 'Select all' and 'Clear all'.

- i. The check box is always enabled (whether or not any **Output Document Type** check boxes are selected).
- ii. If this check box is selected and the **Generate output** button is clicked, a separate request is sent to the Output Queue for a report that lists line items in the current project's financial and/or portfolio statements for which no output settings are specified.

- iii. All missing output settings report requests will only return to the Output Queue; the requests will not be stored as part of the project on the *Drafts* tab.

Process Changes

No changes to current processes are required.

7. Export/Import/Copy document structure templates

Overview

Users now have the ability to use an existing document structure template as the basis for a new template. Existing document structure templates can be directly copied within the same FundSuiteArc environment or exported to a file that can be imported to a different environment.

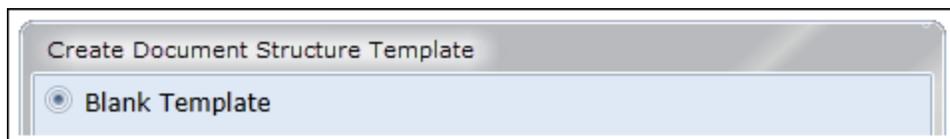
What's New

1. An **Export document structure template** button was added at lower-right of the **Document Structure Templates** page.
 - a. When the user clicks the export button, a pop-up confirmation dialogue displays, asking whether they wish to export an XML file containing information and settings associated with the currently-selected document structure template (this XML file can be subsequently imported to create a new document structure template, if desired).
 - i. If the user clicks the **Yes** button on the dialogue, a second message displays, informing them that the request has been sent to the Output Queue, where the file can be retrieved once the export is complete.

Note:

This button is only enabled when a template is selected in the **Listing** pane of the page.

2. Functionality associated with the existing **Add** button at lower-right of the **Document Structure Templates** page was enhanced to offer users the option to create a new, blank template (existing functionality) or to create a new template by copying or importing the settings of an existing template.
 - a. A **Create Document Structure Template** dialogue now displays when a users clicks the **Add** button.
 - i. A **Blank Template** option button displays at the top of the dialogue.



- A. This is the default selection when the dialogue opens.
 - B. A new, blank template is created if the user selects this option and then clicks the **Accept** button at lower-right of the dialogue.
- ii. A **Copy Existing Template** option button displays beneath the **Blank Template** option button.

Copy Existing Template

Details

Source Complex: Complex01

Source Template: MyDST

Source Template Code: DST01

Target Complex: Complex02

Target Template: Copy of MyDST 10162014 123718

Target Template Code: Copy of DST01 10162014 123718

- A. The user specifies the complex with which the document structure template to be copied is associated using the **Source Complex** drop-down list.
 - 1. Available selections include all complexes to which the current user has access.
- B. The user specifies the document structure template to be copied via the **Source Template** drop-down list.
- C. The user specifies the complex with which the new document structure template will be associated using the **Target Complex** drop-down list.
 - 1. Available selections include all complexes to which the current user has access.

D. The user designates a name for the new document structure template in the **Target Template** text box.

1. By default, the text box is populated with the string *Copy of <CopiedTemplateName> <CurrentDate> <CurrentTime>*.
2. Users may modify the name either before clicking the **Accept** button on the dialogue, or at any time after template creation.

Note:

The template name must be unique among all templates associated with the specified **Target Complex**.

E. The user designates a code for the new document structure template in the **Target Template Code** text box.

1. By default, the text box is populated with the string *Copy of <CopiedTemplateCode> <CurrentDate> <CurrentTime>*.
2. Users may modify the code either before clicking the **Accept** button on the dialogue, or at any time after template creation.

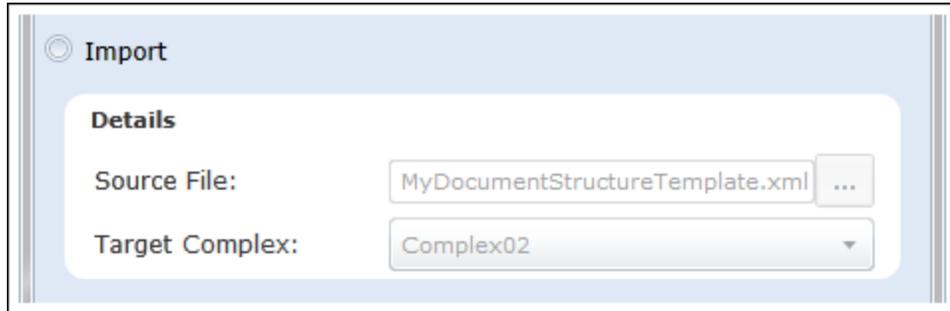
Note:

The template code must be unique among all templates associated with the specified **Target Complex**.

F. A new template, based on the specified **Source Template**, is created if the user selects this option and then clicks the **Accept** button at lower-right of the dialogue.

1. Users may modify the properties of the new template at any time after its creation.

- iii. An **Import** option button displays beneath the **Copy Existing Template** option button.



- A. The user selects an XML file (previously exported from FundSuiteArc) containing settings for the document structure template to import via the **Browse** button at right of the **Source File** text box.
- B. A **Target Complex** drop-down list is displayed beneath the **Source File** text box.
1. Available selections include all complexes to which the current user has access.
- C. A new template, based on settings in the specified XML **Source File**, is created if the user selects this option and then clicks the **Accept** button at lower-right of the dialogue.
1. By default, the **Template Name** value of the new template will be *Import of <ImportedTemplateName> <CurrentDate> <CurrentTime>*.
 2. By default, the **Code** value of the new template will be *Import of <ImportedTemplateCode> <CurrentDate> <CurrentTime>*.
 3. Users may modify the properties of the new template at any time after its creation.

Note:

The template name and code, respectively, must be unique among all templates associated with the specified **Target Complex**.

Process Changes

No changes to current processes are required.

8. Project page tree view behavior enhancements

Overview

The tree view on the **Contents** tab of the **Project Templates** page was enhanced to keep the vertical scroll bar from jumping to the top when a user accesses features in other portions of the **Contents** tab, or functionality that exists on other tabs of **Project Templates** page.

What's New

The viewable area of the tree view will remain static (*i.e.*, the tree view contents will not "jump" or be scrolled), and the respective expanded/collapsed state of all tree view nodes will remain unchanged, when any of the following actions is carried out:

1. General:
 - a. The **Save** button is clicked.
2. **Project Content** pane:
 - a. A chapter or section in the tree view is expanded or collapsed.
3. **Components** tab:
 - a. The tab is clicked/opened.
 - b. The **Unlink All Components** button is clicked.
 - c. The **Refresh** button is clicked.
 - d. An export button is clicked.
4. **Supporting Schedules** tab:
 - a. The tab is clicked/opened.
 - b. The **View Proofs** link is clicked.
 - c. The **View Reasonability Checks** link is clicked.
 - d. The **Export data** button is clicked.

5. **Supporting Documents** tab:
 - a. The tab is clicked/opened.
 - b. The **Add new item to grid** button is clicked.
 - c. The **Remove item from grid** button is clicked.
 - d. The **Export data** button is clicked.
6. **Production Procedures** tab:
 - a. The tab is clicked/opened.
 - b. The **Add new item to grid** button is clicked.
 - c. The **Remove item from grid** button is clicked.
 - d. The **Export data** button is clicked.
7. **Output Management** tab:
 - a. The tab is clicked/opened.
 - b. The **Generate output** button is clicked.
 - c. The **Project Excel Export** button is clicked.
8. **Drafts** tab:
 - a. The tab is clicked/opened.
 - b. The **View Output** button is clicked.
 - c. The **View Message** button is clicked.
 - d. The **Save Output** button is clicked.
 - e. The **Export data** button is clicked.

Process Changes

No changes to current processes are required.

9. Project Templates page tree view behavior enhancements

Overview

The tree view on the **Contents** tab of the **Project Templates** page was enhanced to keep the vertical scroll bar from jumping to the top when a user accesses features in other portions of the **Contents** tab, or functionality that exists on other tabs of **Project Templates** page.

What's New

The viewable area of the tree view will remain static (*i.e.*, the tree view contents will not "jump" or be scrolled), and the respective expanded/collapsed state of all tree view nodes will remain unchanged, when any of the following actions is carried out:

1. **Contents** tab:
 - a. The tab is clicked/re-opened after navigation to another tab on the page.
 - b. The **Export project template setup** button is clicked.
2. **Chapter Detail** sub-tab:
 - a. Any control on the tab is selected, cleared, clicked, etc.
3. **Suppression** sub-tab:
 - a. Any control on the tab is selected, cleared, clicked, etc.
4. **Spread Settings** sub-tab:
 - a. Any control on the tab is selected, cleared, clicked, etc.
5. **Reporting** tab, **Settings** tab, **Funds** tab, **Output Management** tab, and **Administration** tab:
 - a. The tab is clicked/opened.

Process Changes

No changes to current processes are required.

10. Support for special characters in data import and export

Overview

The properties of certain database fields were enhanced to support a specific set of ASCII and non-ASCII characters, codes, symbols and signs (see **Appendix A: Special Character Support** on page 290 of this document for full list of characters). Where possible, related application user interfaces and processes (e.g., data import, project preview and output, report export, etc.) were updated to support this new functionality.

What's New

1. Properties of the following database fields were enhanced to support special characters:
 - a. ***SecurityName***
 - b. ***SecurityBalanceDescription11***
 - c. ***SecurityBalanceDescription12***
 - d. ***SecurityBalanceDescription13***
 - e. ***SecurityBalanceDescription14***
 - f. ***SecurityBalanceDescription15***
 - g. ***SecurityBalanceDescription16***
 - h. ***SecurityBalanceDescription17***
 - i. ***SecurityBalanceDescription18***
 - j. ***SecurityBalanceDescription19***
 - k. ***SecurityBalanceDescription20***
 - l. ***SecurityCaptionDescription1***
 - m. ***SecurityCaptionDescription2***
 - n. ***SecurityCaptionDescription3***
 - o. ***SecurityCaptionDescription4***

- p. **SecurityCaptionDescription5**
 - q. **SecurityCaptionDescription6**
 - r. **SecurityCaptionDescription7**
 - s. **SecurityCaptionDescription8**
 - t. **SecurityCaptionDescription9**
 - u. **SecurityCaptionDescription10**
2. The following areas of the FundSuiteArc user interface support the aforementioned fields:
- a. **Reporting Workspace** tab
 - i. **Footnote Preview and Assignment** page
 - ii. **Fund Holdings - Classic** page
 - iii. **Fund Holdings** page
 - iv. **Global Holdings Review** page
 - v. **Holdings Batch Replace** page
 - vi. **Holdings Breakout Report** page
 - vii. **Holdings Data Extract** page
 - viii. **New Securities Report** page
 - ix. **Project Excel Export** page
 - x. **Project** page, **Components** tab (portfolio statement selected)
 - xi. **Same Security Prior Period Report** page
 - xii. **Securities Audit Report** page
 - b. **Administration** tab
 - i. **Security Libraries** page

Additional Information

Certain special characters loaded into FundSuiteArc may not be supported by standard font packages in output. Due to design limitations, special character functionality is only supported in all instances mentioned in this document by the *Times New Roman* font. Any questions with regard to this enhancement and its limitations should be directed to your RRD Client Services representative.

Process Changes

No changes to current processes are required.

11. Project Template Audit Report

Overview

A Project Template Audit Report is now available that provides users with details of the changes made to project templates. This standalone report is accessible via the **Reports** menu section on the **Administration** tab. A button to navigate directly to the report is also now available on the **Project Templates** page.

What's New

1. A new **Project Template Audit Report** page was added to FundSuiteArc, through which users can generate a listing of all changes made to project templates. The report is accessed via a new menu item of the same name, under the **Reports** menu section on the **Administration** tab.

Note:

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

- a. Users can narrow report results by any of the following filters in the **Report Result Filters** section at the top of the page:
 - i. **Complex**
 - A. The drop-down list contains all complexes to which the current user has access, and the selection defaults to the first complex (alphabetically) in the list.

Note:

When the page is opened via the **Project template audit report** button on the **Project Templates** page, the complex associated with that project template is selected by default.

ii. *Project Template*

- A. The drop-down list contains all project templates associated with the selected complex.

Note:

When the page is opened via the *Project template audit report* button on the **Project Templates** page, that project template is selected by default.

iii. *Audit Type*

- A. The audit type identifies the area in which the addition or edit took place.

- B. The following are possible audit types on which the user can filter:

1. *[All]* (default selection when the page is opened)
2. *Contents*
3. *Funds*
4. *Output Management*
5. *Production Procedures*
6. *Reporting*
7. *Settings*
8. *Template Detail*

iv. *Item Type*

- A. The item type further identifies the area in which the addition or edit took place.

- B. The following are possible item types on which the use can filter:

1. *[All]* (default selection when the page is opened)
2. *Chapter Detail*
3. *Document Structure Templates*
4. *Financial Workbook Templates*
5. *Frequency*

- 6. *Funds To Use*
- 7. *Item Detail*
- 8. *Languages*
- 9. *Output Media and Style Sheets*
- 10. *Prelims*
- 11. *Section Detail*

- v. *Editing User*
- vi. *From Date*
- vii. *To Date*

- b. Once the user sets the desired filter(s), they can export the report by clicking the export button (📄) at lower-right of the page.

Note:
 Currently, the only available output format is Excel.

- c. When the user clicks the export button, a pop-up confirmation dialogue displays, asking whether they wish to generate a report based on the specified filter set.
 - i. If the user clicks the **Yes** button on the dialogue, a second message displays, informing them that the request has been sent to the Output Queue, where the report can be retrieved once the export is complete.
- d. Once the export is complete, the user can retrieve the file from the Output Queue and download it for viewing.

Note:
 The results are only returned via the Excel file in the Output Queue; they are not displayed on the **Project Template Audit Report** page.

- i. The Excel report contains a header showing which filters were selected:
 - A. *Report Date*
 - 1. Displays the date and time the audit report was run.

B. **Generated By**

1. Displays the name of the user who ran the audit report.

C. **Complex**

1. Displays the name of the selected complex.

D. **Project Template**

1. Displays either the name of the selected project template or *[None]* if one was not selected.

E. **Audit Type**

1. Displays either the name of the selected audit type or *[All]* if one was not selected.

F. **Item Type**

1. Displays either the name of the selected item type or *[All]* if one was not selected.

G. **Editing User**

1. Displays either the name of the selected editing user or *[Unassigned]* if one was not selected.

H. **From Date**

1. Either displays the specified **From Date**, or the cell is blank if no date was specified.

I. **To Date**

1. Either displays the specified **To Date**, or the cell is blank if no date was specified.

- ii. The following columns display beneath the report header, containing the report results:

A. **Complex**

1. Displays the name of the complex with which the change is associated.

B. **Project Template**

1. Displays the name of the project template with which the change is associated.

C. **Date/Time**

1. Displays the date and time at which the change was made in *mm/dd/yyyy hh:mm:ss AM/PM* format.

D. **Editing User**

1. Displays the name of the person who effected the change in *Last Name, First Name* format.

E. **Audit Type**

1. Displays the audit type of the change.
2. Possible values for this column are the following:
 - a. **Contents**
 - i. This audit type displays for any change made to the **Contents** tab.
 - b. **Funds**
 - i. This audit type displays for any change made to the **Funds** tab.
 - c. **Output Management**
 - i. This audit type displays for any change made to the **Output Management** tab.
 - d. **Production Procedures**
 - i. This audit type displays for any change made to the **Production Procedures** tab.
 - e. **Reporting**
 - i. This audit type displays for any change made to the **Reporting** tab.

f. *Settings*

- i. This audit type displays for any change made to the *Settings* tab.

g. *Template Detail*

- i. This audit type displays for any change to the *Template Name* or *Description* settings for a given template.

F. *Item Type*

1. Displays the type of action represented by the change.
2. When the audit type is *Contents*, possible values for this column are the following:
 - a. *Chapter Detail*
 - b. *Item Detail*
 - c. *Section Detail*
3. When the audit type is *Funds*, the value for this column is:
 - a. *Funds To Use*
4. When the audit type is *Output Management*, the value for this column is:
 - a. *Output Media and Style Sheets*
5. When the audit type is *Production Procedures*, the value for this column is:
 - a. [no corresponding sub types exist for this item type]
6. When the audit type is *Reporting*, possible values for this column are the following:
 - a. *Frequency*
 - b. *Prelims*

7. When the audit type is *Settings*, possible values for this column are the following:
 - a. *Document Structure Templates*
 - b. *Financial Workbook Templates*
 - c. *Languages*
8. When the audit type is *Template Detail*, the value for this column is:
 - a. *Template*

G. **Sub Type**

1. Displays the action sub type represented by the change.

Note:

There is not always a direct relationship between item type and sub type; in some instances, as noted below, the relationship is directly between audit type and sub type.

2. When the audit type is *Output Management*, the value for this column is:
 - a. *Project Code*
3. When the audit type is *Production Procedures*, possible values for this column are the following:
 - a. *Production Procedure (Added)*
 - b. *Production Procedure (Removed)*
4. When the audit type is *Reporting*, possible values for this column are the following:
 - a. *Activated*
 - b. *Balance Type*
 - c. *Deactivated*
 - d. *Template is currently:*

5. When the audit type is *Settings*, the value for this column is:
 - a. *Assignment and Production Schedule*
6. When the item type is *Frequency*, possible values for this column are the following:
 - a. *This template is for fiscal year ending:*
 - b. *This template reports for the following cycle(s): (Annual)*
 - c. *This template reports for the following cycle(s): (Monthly)*
 - d. *This template reports for the following cycle(s): (Quarterly)*
 - e. *This template reports for the following cycle(s): (Semi-Annual)*
7. When the item type is *Prelims*, possible values for this column are the following:
 - a. *This template also produces prelims:*
 - b. *Days prior to the regular reporting cycle(s):*
8. When the item type is *Financial Workbook Templates*, possible values for this column are the following:
 - a. *Financial workbooks using this template (after)*
 - b. *Financial workbooks using this template (before)*
9. When the item type is *Languages*, possible values for this column are the following:
 - a. *Default Language*
 - b. *Languages using this template (after)*
 - c. *Languages using this template (before)*
 - d. *Multi-Language Behavior*

10. When the item type is *Document Structure Templates*, possible values for this column are the following:
 - a. *Annual*
 - b. *Apply to*
 - c. *Monthly*
 - d. *Quarterly*
 - e. *Semi-Annual*

11. When the item type is *Funds To Use*, possible values for this column are the following:
 - a. *Funds using this template (after)*
 - b. *Funds using this template (before)*

12. When the item type is *Chapter Detail*, possible values for this column are the following:
 - a. *Book Code*
 - b. *Content File Location*
 - c. *Content File Name*
 - d. *Customer ID*
 - e. *Project Name*
 - f. *Publishing Template*
 - g. *Section Name*
 - h. *Send Chapter to ArcProspectus*
 - i. *Squeeze content in chapter*

13. When the item type is *Section Detail*, possible values for this column are the following:
 - a. *Page Break before section*
 - b. *Publishing Template*

14. When the item type is *Item Detail*, possible values for this column are the following:
 - a. *(Spread Settings) Footnote Legend Placement for Spread Output*
 - b. *(Spread Settings) Funds on left pages*
 - c. *(Spread Settings) Funds on right pages*
 - d. *(Spread Settings) Last column page break*
 - e. *(Spread Settings) Set individual page spread settings*
 - f. *(Spread Settings) Zero Suppression Behavior*
 - g. *Advanced Suppression*
 - h. *Associated Templates*
 - i. *Chart Template*
 - j. *Financial Statement*
 - k. *Funds to Display*
 - l. *Image Library*
 - m. *Image Library Item*
 - n. *Language*
 - o. *Portfolio Statement Template*
 - p. *Shared Legend Template*
 - q. *Tabular Data Definition*
 - r. *Text Snippet*

- s. *Text Snippet Library*
 - t. *Text Snippet Option*
15. When the item type is *Output Media and Style Sheets*, possible values for this column are the following:
- a. *Annual (EDGAR (HTML))*
 - b. *Annual (Excel)*
 - c. *Annual (PDF)*
 - d. *Annual (Word)*
 - e. *Annual (XBRL)*
 - f. *EDGAR (HTML)*
 - g. *Excel*
 - h. *Monthly (EDGAR (HTML))*
 - i. *Monthly (Excel)*
 - j. *Monthly (PDF)*
 - k. *Monthly (Word)*
 - l. *Monthly (XBRL)*
 - m. *Other (EDGAR (HTML))*
 - n. *Other (Excel)*
 - o. *Other (PDF)*
 - p. *Other (Word)*
 - q. *Other (XBRL)*
 - r. *PDF*
 - s. *Quarterly (EDGAR (HTML))*

- t. *Quarterly (Excel)*
- u. *Quarterly (PDF)*
- v. *Quarterly (Word)*
- w. *Quarterly (XBRL)*
- x. *Semi-Annual (EDGAR (HTML))*
- y. *Semi-Annual (Excel)*
- z. *Semi-Annual (PDF)*
- aa. *Semi-Annual (Word)*
- ab. *Semi-Annual (XBRL)*
- ac. *Word*
- ad. *XBRL*

Note:

- If a given output format check box is cleared, the **Before** column will be populated with *True*, and the **After** column will be populated with *False*.
- If an output format check box is selected, the frequency and type of output format are appended to the value in the **Sub Type** column.
- The style sheet name is appended to the value in the **After** column, as long as the user clicked the **Save** button after selecting the output format check box, and then clicked the **Save** button again after they specified the associated style sheet.
 - When a user selects an output format check box and designates an associated style sheet, but only clicks the **Save** button after specifying the style sheet, the report returns only a value of *True* in the **After** column, but not the name of the associated style sheet.

H. **Before**

1. Displays the value of the item before the change was effected.
2. Records will return different results based on the type of item.
3. General rule: If the item did not previously exist, do not return a result in the **Before** column (*i.e.*, return a blank cell).

I. **After**

1. Displays the value of the item after the change was effected.
2. Records will return different results based on the type of item.
3. General rule: If the item existed before the change was effected, and the change deleted/removed information so that the item no longer exists, do not return a result in the **After** column (*i.e.*, return a blank cell).

2. A button to open the Project Template Audit Report (📄) was added at lower-right of the **Project Templates** page.

Note:

The new *Open Project Template Audit Report Page (ArcReporting)* user right is required to use this button. If a user does not have this right, an **Insufficient Rights** pop-up dialogue displays when the button is clicked (and the report page will not open).

- a. Clicking the button causes the new **Project Template Audit Report** page to open.
 - i. When the page is opened, the **Complex** and **Project Template** drop-down lists in the **Report Result Filters** group box will be pre-populated to reflect the properties of the currently-selected project template.

Additional Information

Administration tab changes (*i.e.*, use of the **Push out changes to projects based on this template** functionality, and whether a template is either *In Sync* or *Out of Sync*) are tracked in the system Event Log; not the Project Template Audit Report.

Process Changes

No changes to current processes are required.

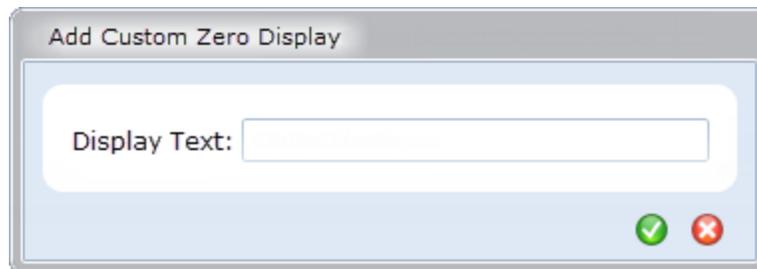
12. Custom zero display output settings

Overview

Users now have the ability to customise the output display of zero and rounded-to-zero numeric values on custom data points, financial, portfolio and tabular data templates.

What's New

1. A **Custom Zero Display** check box and associated link are now displayed beneath the **Zero Display** drop-down list on the **Format Items** tab (numeric data points only) of the **Financial Statement Template Output Settings** and **Portfolio Statement Template Output Settings** pages.
 - a. The check box is cleared by default (*i.e.*, custom zero display is turned off) for any newly-mapped item.
 - b. Selecting the check box causes custom zero display to be turned on for the current item.
 - c. The text of the link is **Custom Zero Display** by default for any newly-mapped item.
 - i. The link is disabled (*i.e.*, it cannot be clicked) unless the **Custom Zero Display** check box is selected.
 - ii. Clicking the link causes the **Add Custom Zero Display** dialogue to display.



- A. A **Display Text** text box is displayed at the top of the group box.
 1. The maximum character limit for the field is 64.

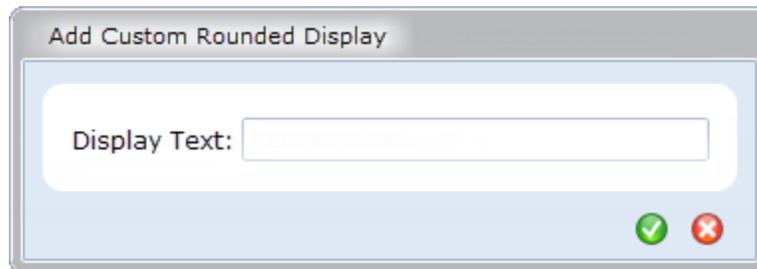
- B. The value specified in the **Display Text** text box is appended to the custom zero display link text, separated by a colon and a space, as follows:

Custom Zero Display: <value of 'Display Text' text box>

Example:

Custom Zero Display: Nil

- C. The value specified in the **Display Text** text box will be used as the display value for the selected line item in statement output when the line item's value is zero.
 - D. When the **Custom Zero Display** check box is cleared, the current link text is retained (not reset to *Custom Zero Display*).
2. A **Custom Rounded Display** check box and associated link are now displayed beneath the **Rounded to Zero Display** drop-down list on the **Format Items** tab (numeric data points only) of the **Financial Statement Template Output Settings** and **Portfolio Statement Template Output Settings** pages.
- a. The check box is cleared by default (*i.e.*, custom rounded to zero display is turned off) for any newly-mapped item.
 - b. Selecting the check box causes custom rounded to zero display to be turned on for the current item.
 - c. The text of the link is *Custom Rounded Display* by default for any newly-mapped item.
 - i. The link is disabled (*i.e.*, it cannot be clicked) unless the **Custom Rounded Display** check box is selected.
 - ii. Clicking the link causes the **Add Custom Rounded Display** dialogue to display.



- A. A **Display Text** text box is displayed at the top of the group box.
 - 1. The maximum character limit for the field is 64.

- B. The value specified in the **Display Text** text box is appended to the custom zero display link text, separated by a colon and a space, as follows:

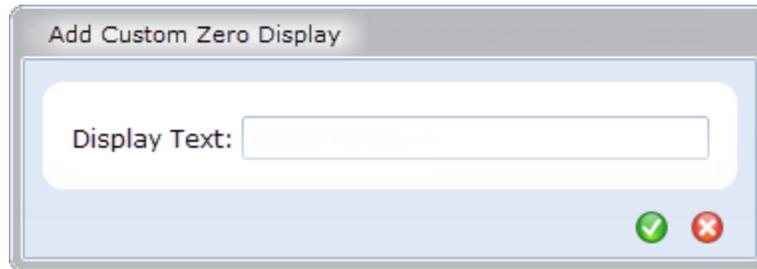
Custom Zero Display: <value of 'Display Text' text box>

Example:

Custom Zero Display: Nil

- C. The value specified in the **Display Text** text box will be used as the display value for the selected line item in statement output when the line item's value is zero.
- D. When the **Custom Zero Display** check box is cleared, the current link text is retained (not reset to *Custom Zero Display*).
3. A **Custom Zero Display** check box and associated link are now displayed beneath the **Zero Display** dropdown list on the **Format Items** tab (numeric data points only) of the **Tabular Data Template Output Settings** page.
- These settings exist for the following item types:
 - Trial balance items
 - Calculation sheet items
 - Section total or sub-section totals
 - Exchange rate items
 - The check box is cleared by default (*i.e.*, custom zero display is turned off) for any newly-mapped item.
 - Selecting the check box causes custom zero display to be turned on for the current item.
 - The text of the link is *Custom Zero Display* by default for any newly-mapped item.
 - The link is disabled (*i.e.*, it cannot be clicked) unless the **Custom Zero Display** check box is selected.

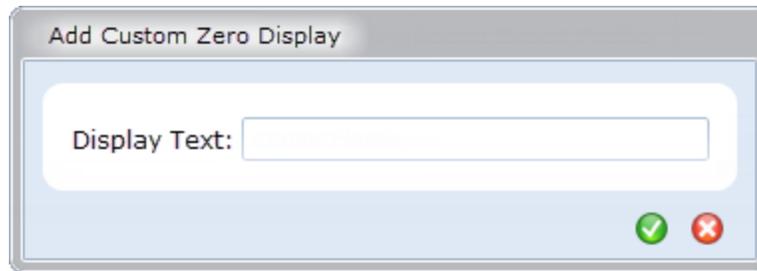
- ii. Clicking the link causes the **Add Custom Zero Display** dialogue to display.



- A. A **Display Text** text box is displayed at the top of the group box.
 1. The maximum character limit for the field is 64.
 - B. The value specified in the **Display Text** text box is appended to the custom zero display link text, separated by a colon and a space, as follows:

Custom Zero Display: <value of 'Display Text' text box>
- Example:**
Custom Zero Display: Nil
- C. The value specified in the **Display Text** text box will be used as the display value for the selected item in table output when the item's value is zero.
 - D. When the **Custom Zero Display** check box is cleared, the current link text is retained (not reset to *Custom Zero Display*).
4. A **Custom Zero Display** check box and associated link are now displayed beneath the **Zero Display** drop-down list on the **Format Items** tab (numeric data points only) of the **Custom Data Points Library** page.
 - a. These settings exist for the following item types:
 - i. Trial balance items
 - ii. Calculation sheet items
 - iii. Supplemental data
 - iv. Class balance data
 - v. Exchange rate items

- b. The check box is cleared by default (*i.e.*, custom zero display is turned off) for any newly-mapped item.
- c. Selecting the check box causes custom zero display to be turned on for the current item.
- d. The text of the link is *Custom Zero Display* by default for any newly-mapped item.
 - i. The link is disabled (*i.e.*, it cannot be clicked) unless the **Custom Zero Display** check box is selected.
 - ii. Clicking the link causes the **Add Custom Zero Display** dialogue to display.



- A. A **Display Text** text box is displayed at the top of the group box.
 - 1. The maximum character limit for the field is 64.
- B. The value specified in the **Display Text** text box is appended to the custom zero display link text, separated by a colon and a space, as follows:

Custom Zero Display: <value of 'Display Text' text box>

Example:

Custom Zero Display: Nil

- C. The value specified in the **Display Text** text box will be used as the display value for the selected item in project output when the item's value is zero.
- D. When the **Custom Zero Display** check box is cleared, the current link text is retained (not reset to *Custom Zero Display*).

Note:

These settings are valid for both conditional return (system data points) and non-conditional return values.

Additional Information

Both *Custom Zero Display* and *Custom Rounded Display* will support a specific set of ASCII and non-ASCII characters, codes, symbols and signs (see **Appendix A: Special Character Support** on page 290 of this document for full list).

- Supported characters will be contained appropriately within the XML code produced by FundSuiteArc, and rendered through the output template.
- Not all fonts natively support all ASCII and non-ASCII characters, codes, symbols and signs. When dealing with these characters, it is advised that you speak to your local RR Donnelley representative to ensure these will be supported by the output font being used by the template.

Process Changes

No changes to current processes are required.

13. Enhanced roll-forward behavior for "Repurchase Agreement" and "Other" investment types

Overview

In previous versions of FundSuiteArc, the categorization logic for securities with an investment type of *Repurchase Agreement* or *Other* was designed to not roll forward existing categorization from the previous period under any circumstance. In order for securities of these investment types to be categorized, a Holdings data import file was required to contain valid categorization records for the securities. Users can now specify certain load options to ensure the categorization of *Repurchase Agreement* or *Other* securities.

What's New

Behavior in the Holdings dataload/data import was enhanced such that the categorization for securities classified with an investment type of *Repurchase Agreement* or *Other* will roll forward, when a categorization load option of either *Never Overwrite* or *Overwrite if Previously Uncategorized* is specified.

Process Changes

No changes to current processes are required.

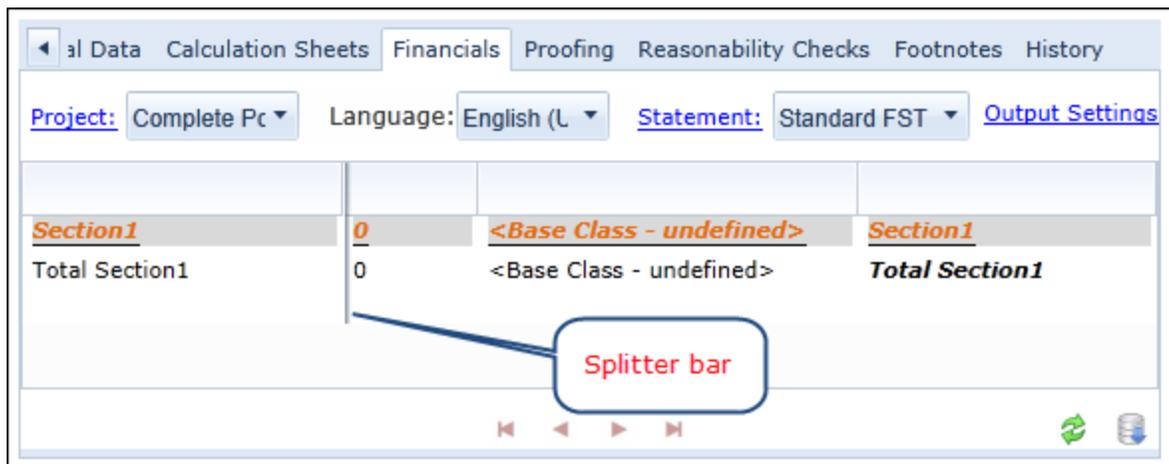
14. Ability to freeze columns in tabular data, financial statement and portfolio statement preview

Overview

Data grids on the **Financials** tab of the **Financial Workbook** page and the **Components** tab of the **Project** page were enhanced to display a fixed leftmost column by default. Users can drag the grid's splitter bar to include other columns in the fixed region, as well.

What's New

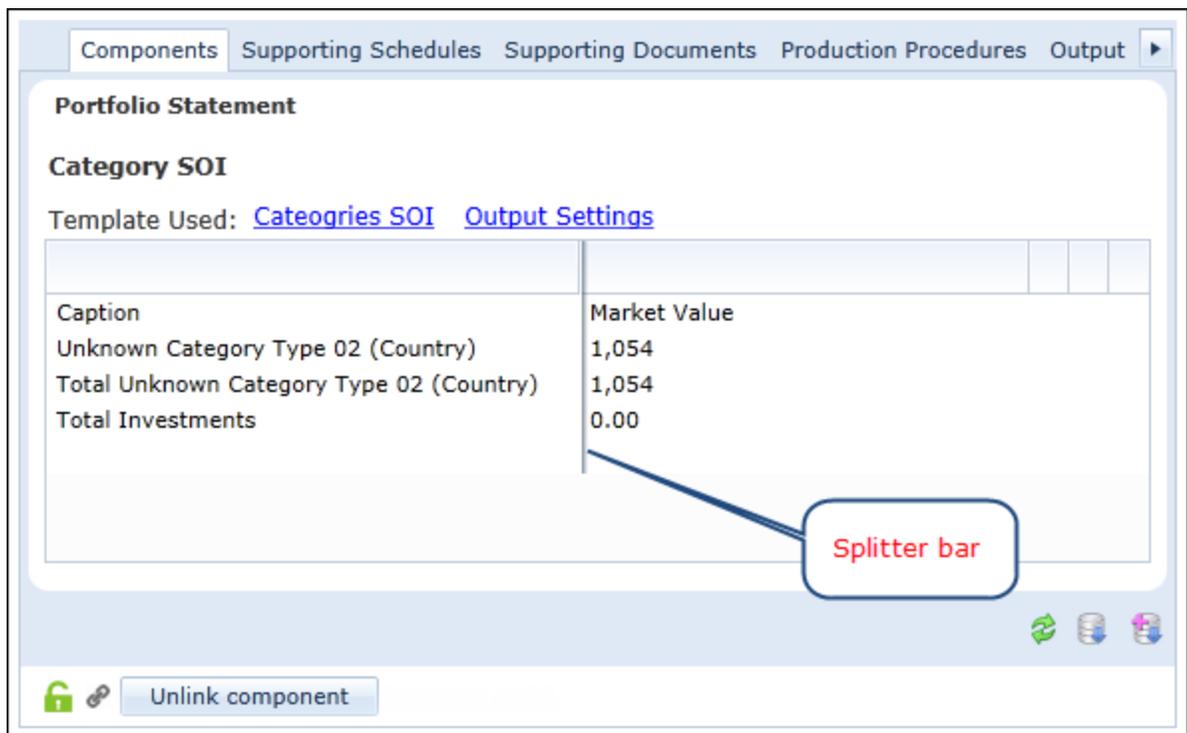
1. When the **Financial Workbook** page is opened and the **Financials** tab is clicked, a vertical splitter bar is positioned by default over the line dividing the first and second columns of the grid for single-page standard and pivoted statements.



- a. For spread statements, a vertical splitter bar is positioned by default over the line dividing the first and second columns of the grid representing the left page and the grid representing the right page, respectively. Each splitter bar can be adjusted independent of the other.
- b. Users can grab the splitter bar and move it over the line dividing any two columns of the grid.

- c. The splitter bar is reset to the default position under any of the following circumstances (in general terms, whenever the grid is rebuilt):
 - i. The page is closed, then subsequently re-opened.
 - ii. The **Project**, **Language** or **Statement** drop-down list selection is changed.
 - iii. The **Refresh** button or **Calculate** button is clicked.
 - iv. Any selection in the fund selection bar is changed.

2. When the **Project** page is opened, the tab **Components** tab is clicked and a portfolio statement is selected in the tree view, a vertical splitter bar is positioned by default over the line dividing the first and second columns of the grid.



- a. Users can grab the splitter bar and move it over the line dividing any two columns of the grid.
 - b. The splitter bar is reset to the default position under any of the following circumstances (in general terms, whenever the grid is rebuilt):
 - i. The page is closed, then subsequently re-opened.
 - ii. The **Project** or **Language** drop-down list selection is changed.
 - iii. The **Refresh** button is clicked.
 - iv. Any selection in the fund selection bar is changed.
3. When the **Project** page is opened, the tab **Components** tab is clicked and a tabular data component is selected in the tree view, a vertical splitter bar is positioned by default over the line dividing the first and second columns of the grid.
- a. Users can grab the splitter bar and move it over the line dividing any two columns of the grid.
 - b. The splitter bar is reset to the default position under any of the following circumstances (in general terms, whenever the grid is rebuilt):
 - i. The page is closed, then subsequently re-opened.
 - ii. The **Project** drop-down list selection is changed.
 - iii. The **Language** drop-down list selection is changed.
 - iv. The **Refresh** button is clicked.
 - v. Any selection in the fund selection bar is changed.
4. When the **Project** page is opened, the tab **Components** tab is clicked and a financial statement is selected in the tree view, a vertical splitter bar is positioned by default over the line dividing the first and second columns of the grid for single-page standard and pivoted statements.
- a. For spread statements, a vertical splitter bar is positioned by default over the line dividing the first and second columns of the grid representing the left page and the grid representing the right page, respectively. Each splitter bar can be adjusted independent of the other.
 - b. Users can grab the splitter bar and move it over the line dividing any two columns of the grid.

- c. The splitter bar is reset to the default position under any of the following circumstances (in general terms, whenever the grid is rebuilt):
 - i. The page is closed, then subsequently re-opened.
 - ii. The **Project** drop-down list selection is changed.
 - iii. The **Language** drop-down list selection is changed.
 - iv. The **Refresh** button is clicked.
 - v. Any selection in the fund selection bar is changed.

Additional Information

- The splitter bar in any given grid mentioned in this section will remain in the position set by the user under the following circumstances:
 - The user navigates to any other tab of a given page.
 - The user leaves the current page open, navigates to any other page in any module of FundSuiteArc, and then returns to the initial page.
- The presence of one or more spanned cells in a given grid will disable the splitter bar functionality altogether (*i.e.*, the bar will be absent from the grid).

Process Changes

No changes to current processes are required.

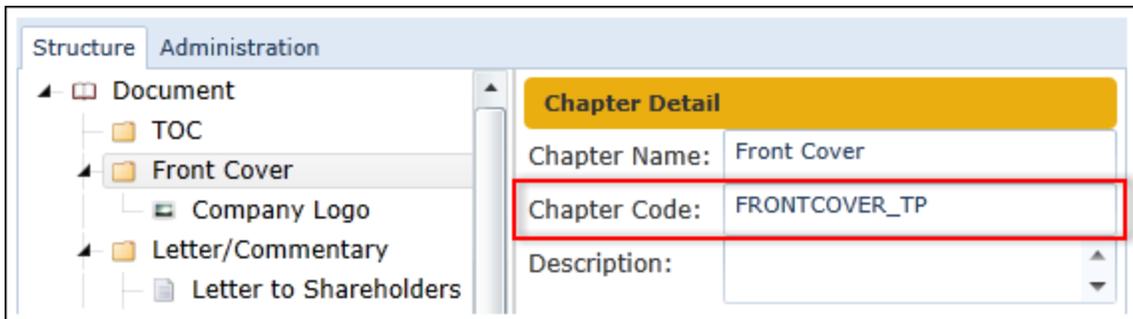
15. Document structure template "Chapter Code" and "Section Code" are now required fields

Overview

With an aim to reduce the number of variables that may cause errors in project setup, and therefore prevent the generation of project output, each chapter and section within a given document structure template must now have a unique code among other chapters/sections in that template.

What's New

1. A value is now required for the existing *Chapter Code* text box on the *Structure* tab of the **Document Structure Templates** page.



- a. The value specified for a given chapter must be unique within the current document structure template.
- b. For any new document structure template, or existing template where changes are made, users will now receive a pop-up message indicating the need for a unique chapter code if one is not specified at the time they attempt to save changes.

2. A value is now required for the existing **Section Code** text box on the **Structure** tab of the **Document Structure Templates** page.

The screenshot shows the 'Structure' tab of the 'Administration' page. On the left, a tree view shows the document structure with 'External Document' selected. On the right, the 'Section Detail' form is displayed. The 'Section Name' is 'External Document' and the 'Section Code' is 'EXT'. The 'Section Code' field is highlighted with a red border. The 'Description' field is empty.

- a. The value specified for a given section must be unique within the current document structure template.
- b. For any new document structure template, or existing template where changes are made, users will now receive a pop-up message indicating the need for a unique section code if one is not specified at the time they attempt to save changes.

Additional Information

During database update to version 2.2.0, any existing chapter without a code or any existing non-unique section codes will have a unique code programmatically provided via the update script.

Process Changes

No changes to current processes are required.

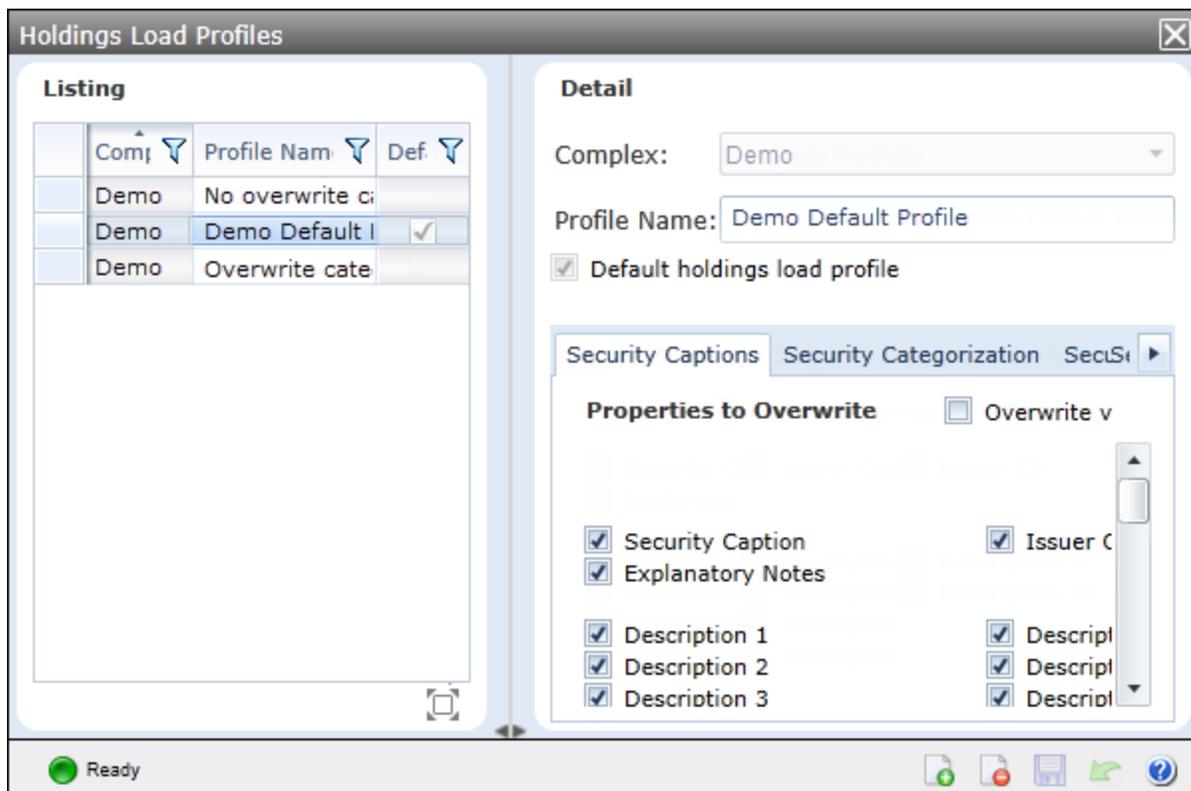
16. Ability to define multiple Holdings load profiles per complex

Overview

Users now have the ability to create multiple holdings load profiles per complex to allow for greater flexibility when loading data via FTP or front-end Excel import. Previous versions of FundSuiteArc allowed for settings to be defined on a single version of the **Holdings Load Options** page, for FTP dataloads only.

What's New

In previous versions of FundSuiteArc, users defined the desired options for Holdings FTP dataloads using the **Holdings Load Options** page. This feature was available at the complex level only, and a only single set of options could be defined at any given time. In version 2.2.0, the **Holdings Load Options** page was renamed as **Holdings Load Profiles**.



Note:

The new *Open Holdings Load Profiles Page (ArcReporting)* user right is required to open the **Holdings Load Profiles** page (the *Holdings Load Profiles* menu item is disabled if the right is not assigned to the current user).

1. A **Listing** group box is displayed in the left pane of the page, which lists load profiles associated with the complexes in the database to which the current user has access.

- a. A grid is displayed at the top of the group box, with the following columns:

- i. **Complex**

- A. Displays the name of the complex with which the profile is associated, or displays *[None]* if the profile is not associated with a specific complex.

- ii. **Profile Name**

- A. Displays the name of the profile.

Note:

The new *Add/Edit Holdings Load Profiles* user right is required to edit the cell value (the column is disabled if the right is not assigned to the current user).

- iii. **Default**

- A. Displays a (read-only) visual indicator of whether the selected holdings load profile is designated as the default profile for the complex.

- b. When a new complex is created via the **Funds** page, a corresponding row automatically displays in the grid for that complex.

- i. The **Complex** value in the grid and in the drop-down list of the **Detail** pane display the name of the new complex by default.

- ii. The **Profile Name** in the grid and in the text box of the **Detail** pane displays the following by default:

<complex name> Default Profile (e.g., Donnelley Family of Funds Default Profile)

- A. The profile name can be subsequently changed by users, if desired.

- iii. The **Default** column in the grid displays a (read-only) selected check box by default, and the **Default holdings load profile** check box in the **Detail** pane is selected and disabled by default.
2. A **Detail** group box is displayed in the right pane of the page.

Note:

The new **Add/Edit Holdings Load Profiles** user right is required to edit any settings for existing profiles (all controls in the group box are disabled if the right is not assigned to the current user).

- a. A **Complex** drop-down list is displayed at the top of the group box, which represents the name of the complex with which the selected profile is associated.
 - i. If the profile is designated as the default profile for the specified complex (*i.e.*, the **Default holdings load profile** check box is selected), the drop-down list is disabled.
 - ii. If the profile is not designated as the default profile for the specified complex (*i.e.*, the **Default holdings load profile** check box is cleared), the drop-down list is enabled.
 - iii. Available selections are as follows:
 - A. **[None]** (default selection when a profile is manually added via the **Add** button)
 - 1. If this selection is specified, the load profile is not associated with any given complex. As such, the profile can be used for a push-button data import in association with any complex.
 - 2. If this selection is specified, the **Default holdings load profile** check box is cleared and disabled for the current record (*i.e.*, the profile cannot be designated as a default load profile).
 - B. <all complexes to which the current user has access, listed alphabetically by complex name>
 - 1. If a specific complex is selected, the **Default holdings load profile** check box is cleared and enabled for the current record (*i.e.*, the profile may be designated as the default load profile for that complex).
 - iv. At least one profile record must exist in association with each complex defined in the database.

- b. A **Profile Name** text box is displayed beneath the **Complex** drop-down list.
 - i. A value must be specified in the text box and must be unique across all profiles associated with a given complex.
- c. A **Default holdings load profile** check box is displayed beneath the **Profile Name** text box.
 - i. Only one profile record must and can be flagged as the default profile in association with each complex defined in the database.
 - A. When the check box is in a selected state, the settings of the profile will be used by default for FTP holdings dataloads associated with the specified complex when there is no other specific profile designated via the **Fund Report Settings** page for that complex, or for a given fund in that complex.
 - B. The check box is selected and disabled in the following circumstances:
 - 1. When a new complex is created via the **Funds** page.
 - 2. After a user designates the current profile as the default for a given complex by selecting the check box.
 - C. The check box is cleared and disabled in the following circumstance:
 - 1. A selection of *[None]* is specified for the **Complex** drop-down list.
 - D. The check box is cleared and enabled in the following circumstances:
 - 1. A **Complex** is specified in the drop-down list, and another profile associated with that complex is currently designated as the default.
 - 2. Selecting the check box causes the following **Please Confirm** pop-up dialogue to display:

Another holdings load profile associated with the specified complex is designated as the default profile. Setting the current profile as the default will remove that designation from the other profile.

Do you wish to proceed?

- a. Clicking the **Yes** button on the dialogue causes the following to occur:
 - i. The **Default holdings load profile** check box for the current profile record is selected and disabled.
 - ii. The **Default holdings load profile** check box for the profile record previously designated as the default is cleared and enabled.
 - iii. The current profile record is automatically saved.
- b. Clicking the **No** button on the dialogue causes the following to occur:
 - i. The **Default holdings load profile** check box for the current profile record remains cleared and enabled.
 - ii. If the **Save** and **Revert** buttons were disabled (*i.e.*, the page was in a saved state) prior to the user clicking the check box, the buttons remain disabled.
- d. A series of tabs (**Security Captions**, **Security Categorization**, **Security Balance** and **Security Attributes**) is displayed in the lower portion of the group box, which represent overwrite options available for the selected holdings load profile. These are the same options that previously existed on the **Holdings Load Options** page; they continue to behave as in previous releases of FundSuiteArc.
- e. An **Add** button is displayed at lower-right of the page to allow users to create new holdings load profiles in association with a given complex.

Note:

The new **Add/Edit Holdings Load Profiles** user right is required to use the **Add** button (the button is disabled if the right is not assigned to the current user).

- i. Clicking the button causes a new record to be added to the bottom of the grid in the **Listing** group box, and the associated settings to be displayed in the **Detail** group box.
- f. A **Delete** button is displayed at lower-right of the page to allow the user to delete the selected holdings load profile.

Note:

The new **Delete Holdings Load Profiles** user right is required to use the **Delete** button (the button is disabled if the right is not assigned to the current user).

- i. Clicking the button causes the following to occur:
 - A. If the **Default holdings load profile** check box is selected for the current profile, the following **Please Note** pop-up dialogue displays:

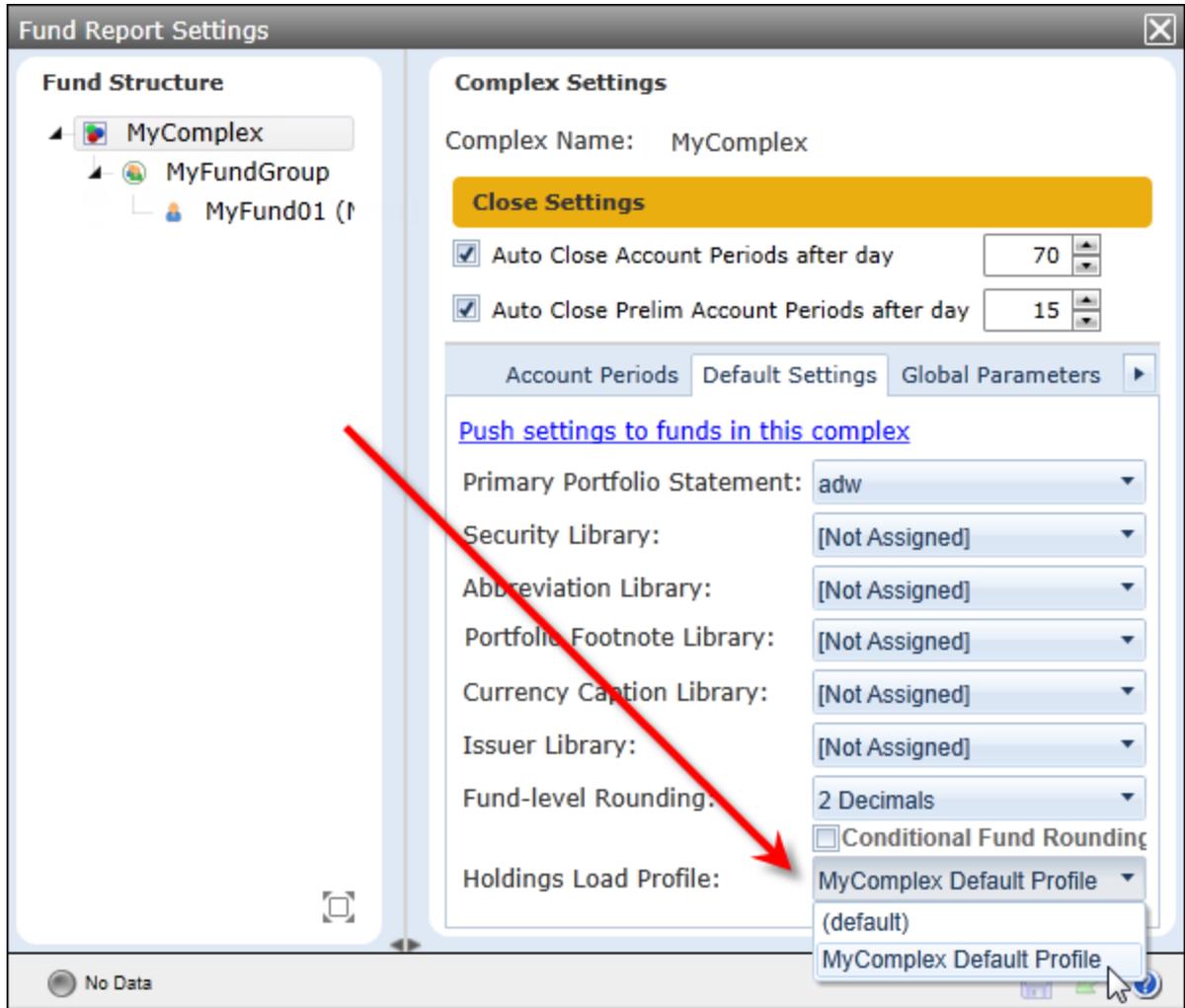
The default holdings load profile for a given complex cannot be deleted.

 1. Clicking the **OK** button on the dialogue causes the dialogue to close, and the profile will not be deleted. The user must designate another holdings load profile as the default before attempting to delete the current profile.
 - B. If the current holdings load profile is assigned to one or more complexes or funds via settings on the **Fund Report Settings** page, the following pop-up dialogue displays:

*This holdings load profile is designated for use by one or more funds, or as the default profile for funds in one or more complexes. The profile cannot be deleted until it has been unassigned from the applicable area(s) via the **Fund Report Settings** page.*

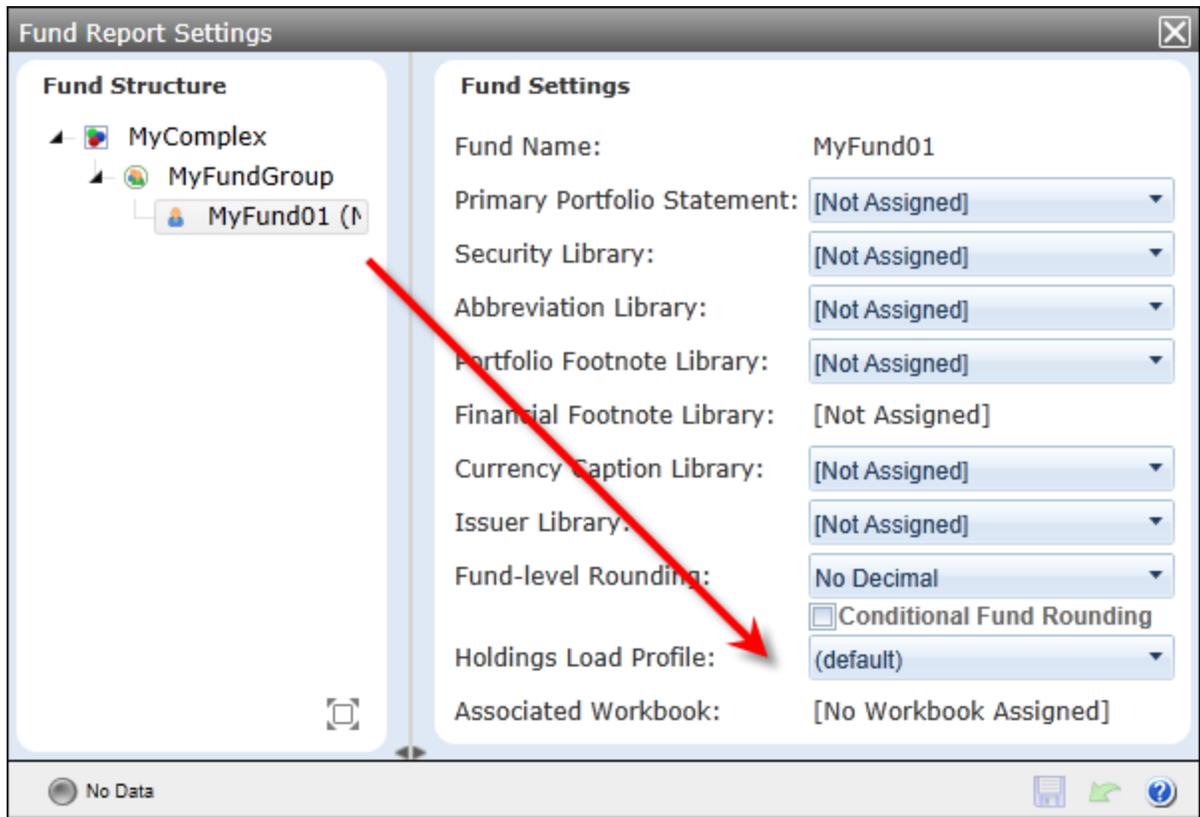
 1. Clicking the **OK** button on the dialogue causes the dialogue to close, and the profile will not be deleted. The user must remove the assignment of the holdings load profile via the **Fund Report Settings** page before attempting to delete the current profile.

3. Any existing holdings load profile can be applied at the complex level via the **Default Settings** tab of the **Fund Report Settings** page. The default selection of the **Holdings Load Profile** drop-down list on the tab is *(default)*, however users can specify an alternate holdings load profile for the complex using the drop-down list.

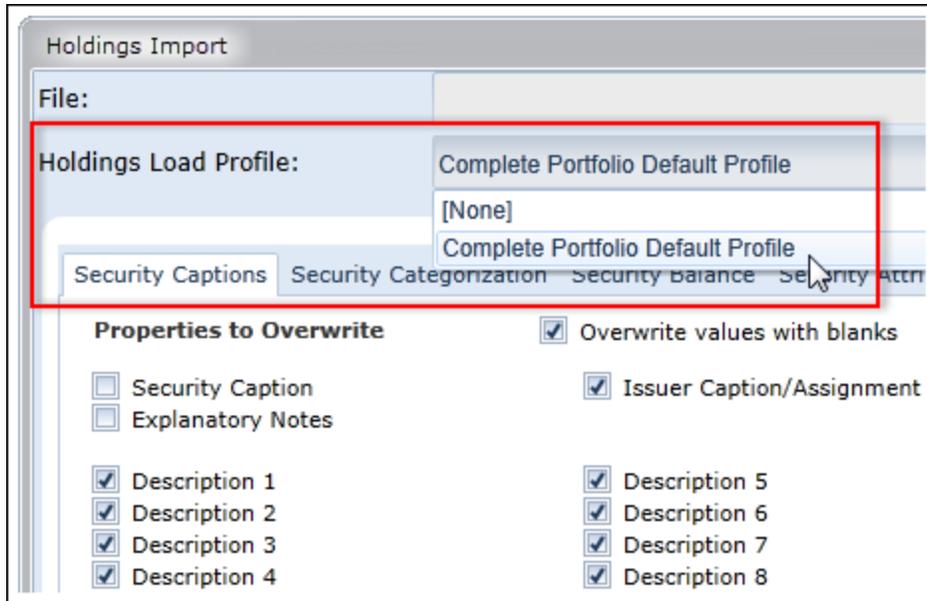


- a. If a holdings load profile is assigned at the complex level for a given complex via the **Fund Report Settings** page, it will be used for FTP dataloads for all funds within that complex.

4. Any existing holdings load profile can be applied at the fund level via the **Fund Report Settings** page. The default selection of the **Holdings Load Profile** drop-down list is *(default)*, however users can specify an alternate holdings load profile for the fund using the drop-down list.



- a. If a holdings load profile is assigned at the fund level for a given fund via the **Fund Report Settings** page, it will be used for FTP dataloads for that fund.
5. The settings of existing holdings load profiles can be used for push-button Excel imports, via both the **Fund Holdings** and **Fund Holdings - Classic** pages.
 - a. To specify a load profile for use when importing fund holdings via Excel, use the **Holdings Load Profile** drop-down list on the **Holdings Import** dialogue.



- b. When a load profile is specified, the load settings associated with that profile will automatically populate the various tabs of the **Holdings Import** dialogue.
- c. A **Holdings Load Profile** drop-down list selection of *[None]* indicates that the load options manually selected by the user will be used for the import; no predefined holdings load profile settings are used.

Additional Information

Upon update to version 2.2.0, a copy of the previously-existing options on the former **Holdings Load Options** page will be created as a record within the new **Holdings Load Profiles** page, for each complex that exists.

- The holdings load profile(s) created upon update will be automatically named using the convention of *<complex name> Default Profile*.
- Each holdings load profile created upon update will be designated as the **Default holdings load profile** for the respective complex with which it is associated.

Process Changes

No changes to current processes are required.

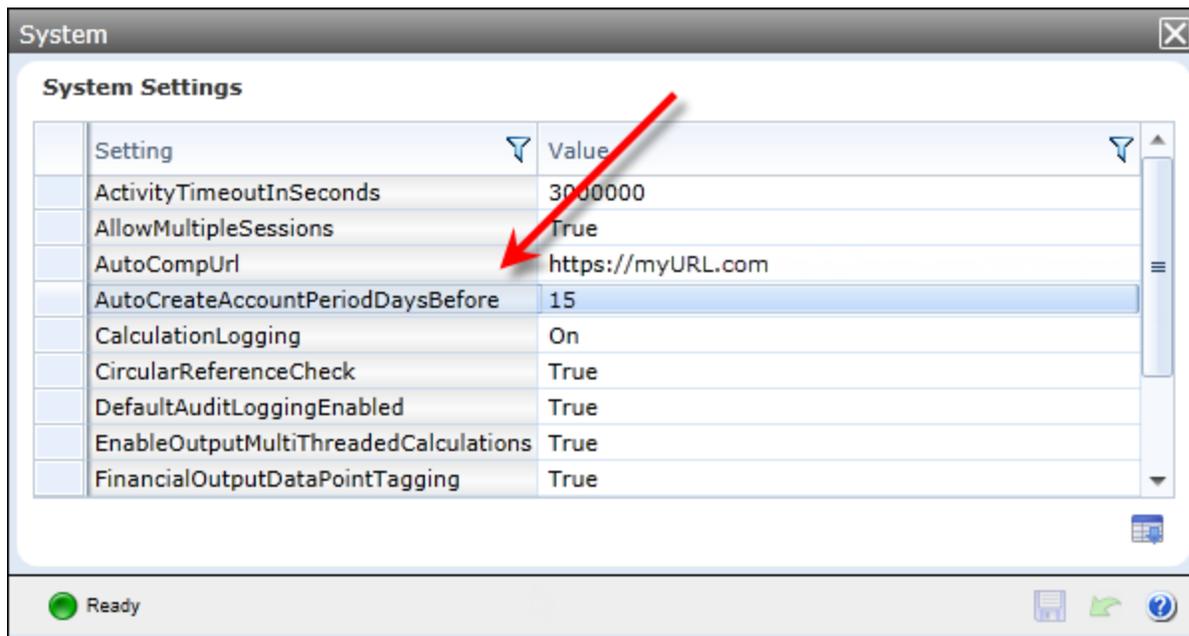
17. Ability to configure number of days prior to/post period end for automatic project creation

Overview

Users now have the ability to control the number of days prior to or post an account period end that associated projects are created. Prior to version 2.2.0, projects were automatically created 15 days prior to each period end. Users can now change this setting at the database level to control the number of days prior to/post a given account period end that the associated project is created.

What's New

A new **AutoCreateAccountPeriodDaysBefore** setting was added to the **System** page in the Platform Administration area.



1. Upon update to version 2.2.0, this setting defaults to **15** to keep in sync with the current logic.
2. Users may change this setting to any value from **-28** (28 days after period end) to **28** (28 days prior to period

end).

3. This setting drives the creation of all projects for the entire database.

Additional Information

Other user actions can also cause projects to be created, given that it is driven by the existence of an account period on the **Account Periods** page in the Platform Administration area. If a user either manually creates an account period or loads general ledger or holdings information that would create an account period, associated project(s) will also be created.

Process Changes

No changes to current processes are required.

18. Portfolio Statement Template Audit Report

Overview

A Portfolio Statement Template Audit Report is now available that provides users with details of the changes made to portfolio statement templates. This standalone report is accessible via the **Reports** menu section on the **Administration** tab in both ArcFiling and ArcReporting. A button to navigate directly to the report is also now available on the **Portfolio Statement Templates** page.

What's New

1. A new **Portfolio Statement Template Audit Report** page was added to FundSuiteArc, through which users can generate a listing of all changes made to portfolio statement templates. The report is accessed via a new menu item of the same name, under the **Reports** menu section on the **Reporting Workspace** tab.

Note:

- The new *Open Portfolio Statement Template Audit Report Page (ArcReporting)* user right is required to open the **Portfolio Statement Template Audit Report** page (the *Portfolio Statement Template Audit Report* menu item is disabled if the right is not assigned to the current user).
- The report considers changes made in all types of portfolio statement templates.
 - For templates of type *Holdings Breakout* and *Fair value*, standard settings are tracked.

- a. Users can narrow report results by any of the following filters in the **Report Result Filters** section at the top of the page:
 - i. **Complex** (required)

Note:

When the page is opened via the **Portfolio statement template audit report** button on the **Portfolio Statement Templates** page, the complex associated with that template is selected by default.

ii. **Portfolio Statement Template** (required)

Note:

When the page is opened via the **Portfolio statement template audit report** button on the **Portfolio Statement Templates** page, that portfolio statement template is selected by default.

iii. **From Date** (optional)

iv. **To Date** (optional)

v. **Editing User** (optional)

vi. **Audit Type** (optional)

A. User has the ability to filter changes by selecting a single audit type.

B. The available audit types are:

1. *Add Item to Tree Structure*
2. *Edit Record*
3. *Global Parameters*
4. *Languages*
5. *Output Rules*
6. *Remove Item from Tree Structure*
7. *Statement Settings*
8. *Template Detail*

vii. **Item Type** (optional)

A. User has the ability to filter changes by selecting a single item type.

B. The available item types are:

1. *Category Exception*
2. *Group Exception*

3. *Aggregate*
4. *Calculations*
5. *Category*
6. *Column Header*
7. *Condensed*
8. *Filter*
9. *Financial Statement Template*
10. *Formula*
11. *Group*
12. *Languages*
13. *Legend*
14. *Multiple Values*
15. *Net Assets*
16. *Other Assets*
17. *Output Rules*
18. *Portfolio Statement Template*
19. *Prior Period*
20. *Single Value*
21. *Sorting*
22. *Stack*
23. *Statement Detail*
24. *Subtotal*
25. *Tabular Data Template*

- 26. *Template*
- 27. *Text*
- 28. *Total Investments*

- b. Once the user sets the desired filter(s), they can export the report by clicking the export button (📄) at lower-right of the page.

Note:

Currently, the available output format is Excel.

- c. When the user clicks the export button, a pop-up confirmation dialogue displays, asking whether they wish to generate a report based on the specified filter set.
 - i. If the user clicks the **Yes** button on the dialogue, a second message displays, informing them that the request has been sent to the Output Queue, where the report can be retrieved once the export is complete.
- d. Once the export is complete, the user can retrieve the file from the Output Queue and download it for viewing.

Note:

The results are only returned via the Excel file in the Output Queue; they are not displayed on the **Portfolio Statement Template Audit Report** page.

- 2. A button to open the Portfolio Statement Template Audit Report (📄) was added at lower-right of the **Portfolio Statement Templates** page.

Note:

The new *Open Portfolio Statement Template Audit Report Page (ArcReporting)* user right is required to use this button. If a user does not have this right, an **Insufficient Rights** pop-up dialogue displays when the button is clicked (and the report page will not open).

- a. Clicking the button causes the new **Portfolio Statement Template Audit Report** page to open.
 - i. When the page is opened, the **Complex** and **Portfolio Statement Template** drop-down lists in the **Report Result Filters** group box will be pre-populated to reflect the properties of the currently-selected portfolio statement template.

Process Changes

No changes to current processes are required.

19. Ability to load category exceptions

Overview

Currently, users can apply a category exception manually to each security via the **Holdings** tab of the **Fund Holdings** and **Fund Holdings - Classic** pages. Users can now apply category exceptions to all securities of a particular category type in a data source file through use of a new **Load as Exception** dataload/data import setting.

What's New

A **Load as Exception** column was added to the **Security Categorization** tab of the **Holdings Load Profiles** page (for use with FTP dataloads) and the **Holdings Import** dialogue (for use with push-button Excel data imports). Users can specify that any given category type either load as an exception (a setting of **True**) or not (a setting of **False**).

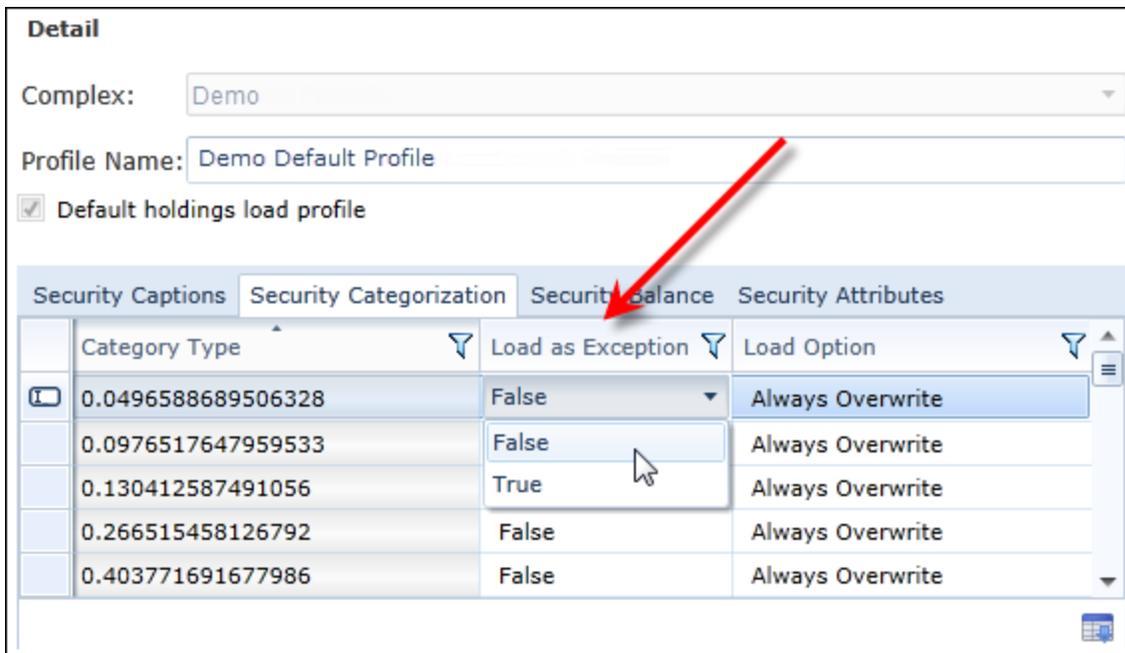
Detail

Complex:

Profile Name:

Default holdings load profile

Security Captions	Security Categorization	Security Balance	Security Attributes
Category Type	Load as Exception		Load Option
0.0496588689506328	False		Always Overwrite
0.0976517647959533	False		Always Overwrite
0.130412587491056	True		Always Overwrite
0.266515458126792	False		Always Overwrite
0.403771691677986	False		Always Overwrite



1. When **False** is specified as the **Load as Exception** setting for a given category type, no securities of that type in the data source file will be loaded as a category exception.

2. When *True* is specified as the *Load as Exception* setting for a given category type, all securities of that type in the data source file will be loaded as a category exception.

Note:

For category exceptions to be applied, a *Load Option* selection of *Always Overwrite* must be specified in combination with the *Load as Exception* selection of *True*; the *Never Overwrite* and *Overwrite if Previously Uncategorized* settings will not produce the desired result of applying category exceptions to all securities in the data source file for the given category type.

Additional Information

Upon environment update to version 2.2.0, the *Load as Exception* setting will default to *False* for each category type in every holdings load profile.

Process Changes

No changes to current processes are required.

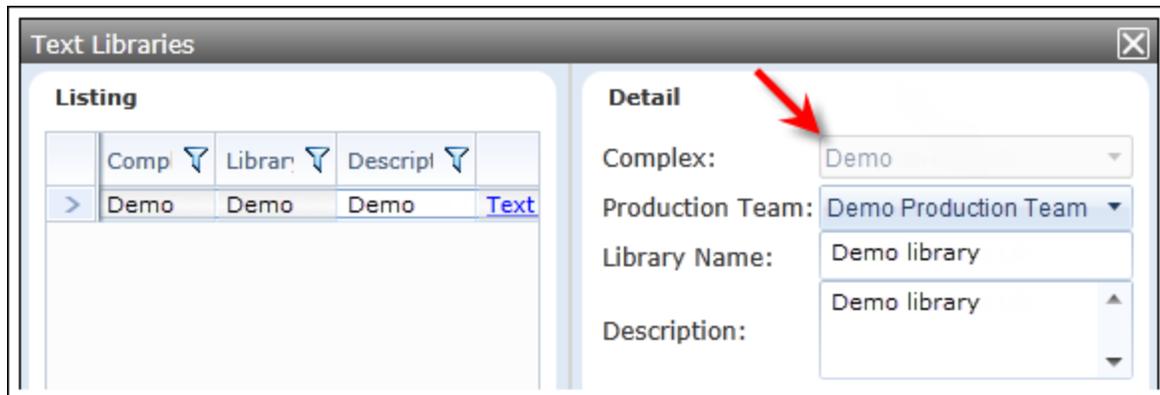
20. Assigned complex for existing text and footnote libraries no longer editable

Overview

To prevent potential issues with project setup and maintenance, the complex with which a given text or footnote library is associated can no longer be changed after the library is created and saved.

What's New

The **Complex** drop-down list on the **Text Libraries** page, the **Footnote Libraries - General Ledger** page and the **Footnote Libraries - Holdings** page will now become disabled after a complex has been specified for a newly-created and saved library.



The screenshot shows the 'Text Libraries' application window. It is divided into two panes: 'Listing' and 'Detail'. The 'Listing' pane contains a table with columns for 'Comp', 'Librar', 'Descript', and 'Text'. The 'Detail' pane contains several fields: 'Complex' (set to 'Demo'), 'Production Team' (set to 'Demo Production Team'), 'Library Name' (set to 'Demo library'), and 'Description' (set to 'Demo library'). A red arrow points to the 'Complex' dropdown menu, indicating that it is no longer editable.

Comp	Librar	Descript	Text
Demo	Demo	Demo	Text

Complex: Demo
Production Team: Demo Production Team
Library Name: Demo library
Description: Demo library

Process Changes

No changes to current processes are required.

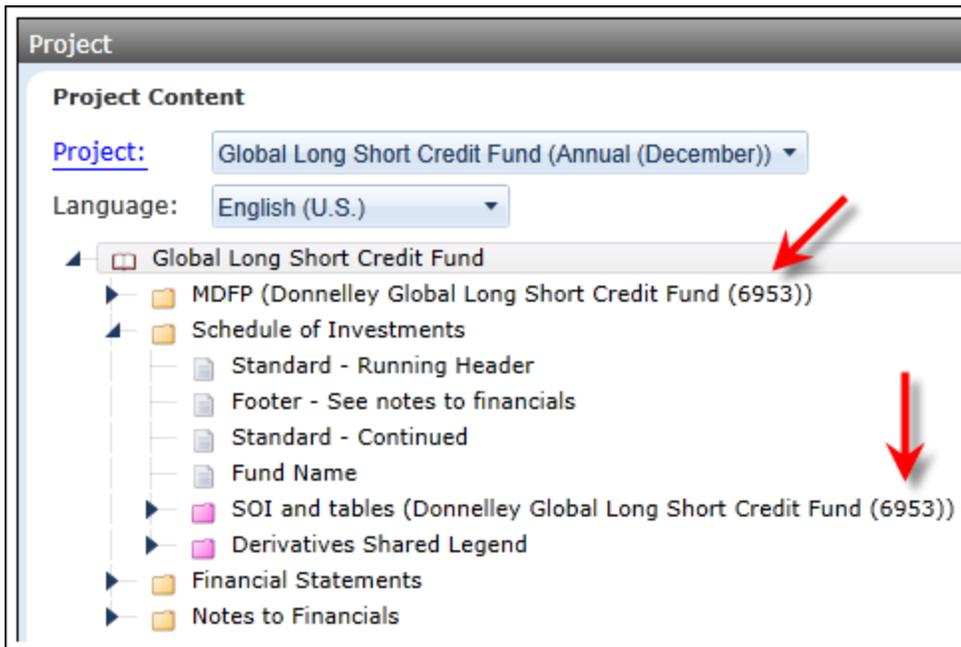
21. Display of fund code with fund name

Overview

In most areas of FundSuiteArc where a fund name is displayed as read-only text or as a drop-down list selection, the corresponding fund code will now also display within parentheses, after the fund name.

What's New

1. The text of chapters and sections with a behavior setting of *All Funds - Repeat* now displays the code of each fund in parentheses, after the fund name, in the tree view of the **Project** page.



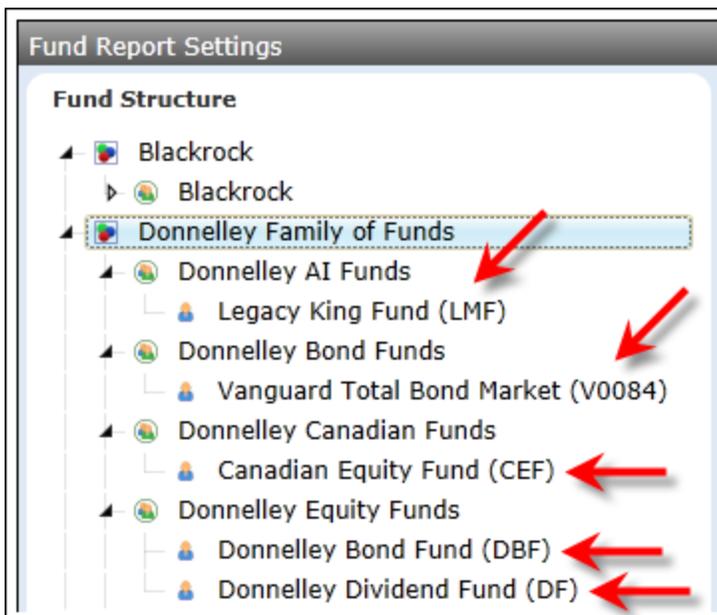
- The Fund(s) table on the **Components** tab of the **Project** page (present when the **Project** node is selected in the tree view) now displays the code of each fund in parentheses, after the fund name.

Components		Supporting Schedules	Supporting Documents	Produ				
Project Name:	Global Long Short Credit Fund							
Project Description:								
Project Code:	Jackson							
Balance Type:	Default							
Account Period End:	12/30/2013							
Account Period Type:	Annual (December)							
Complex:	Donnelley Family of Funds							
Output Media:	PDF							
Current Proof Version:	2							
Multi-Language Behavior:	Single							
Fund(s):	<table border="1"> <thead> <tr> <th>Fund</th> <th>Primary Po</th> </tr> </thead> <tbody> <tr> <td>Donnelley Global Long Short Credit Fund (6953)</td> <td>NotCalcula</td> </tr> </tbody> </table>				Fund	Primary Po	Donnelley Global Long Short Credit Fund (6953)	NotCalcula
Fund	Primary Po							
Donnelley Global Long Short Credit Fund (6953)	NotCalcula							

- The fund code corresponding to each selection in the respective **Fund** drop-down list on the following application pages now displays in parentheses, after the fund name:

Search Criteria	
Complex:	Donnelley Family of Funds
Fund Group:	Donnelley Equity Funds
Fund:	[None]
Class:	[None]
	Donnelley Bond Fund (DBF)
	Donnelley Dividend Fund (DF)
Account Period: 12/31/2013 Editing User: [Unassigned] From Date: Enter date To Date: Enter date	
Drag a column header and drop it here to group by that column	

- a. Attribute Usage Report
 - b. Class Balance Audit Report
 - c. Fund Data Points Audit Report
 - d. Historical Data Audit Report
 - e. Holdings Breakout Report
 - f. New Securities Report
 - g. Project Locking Audit Report
 - h. Report Library
 - i. Same Security Prior Period Report
 - j. Securities Audit Report
 - k. Supplemental Data Audit Report
4. The code corresponding to each fund in the tree view of the **Fund Report Settings** page now displays in parentheses, after the fund name.



Process Changes

No changes to current processes are required.

22. Text Snippet Audit Report enhancements

Overview

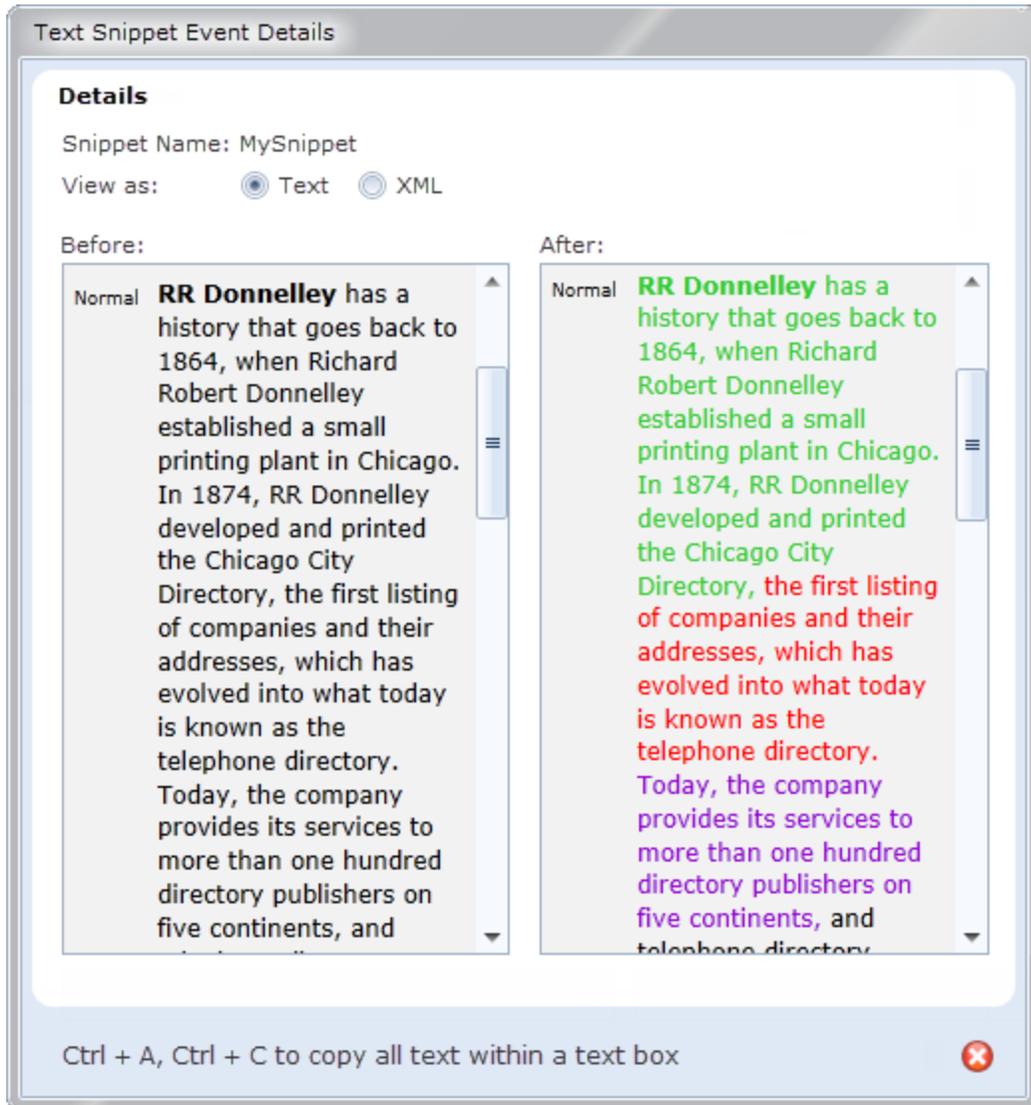
Enhancements were made to the existing Text Snippet Audit Report to facilitate tracking of deleted snippets, as well as viewing of changed snippet content as either formatted text or XML.

What's New

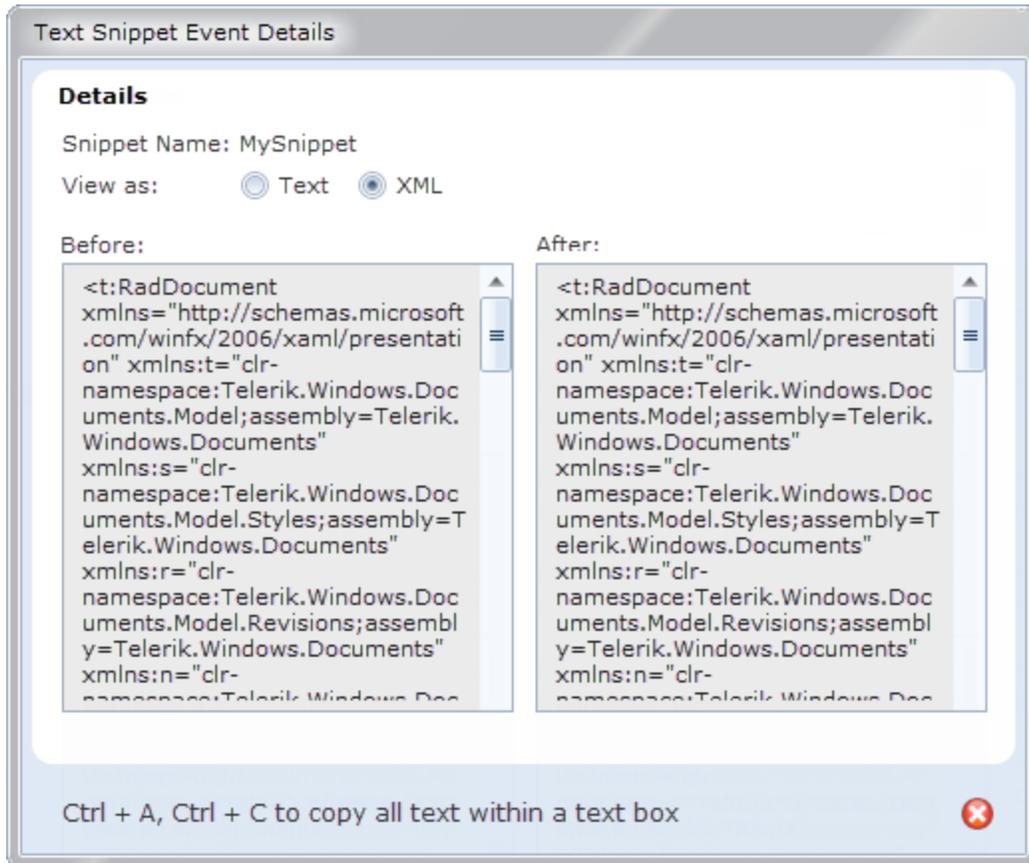
1. The existing Text Snippet Audit Report now tracks and reports instances of snippet deletion from text libraries.
 - a. For the report to display information about a deleted snippet, the user must set values in the **Search Criteria** section of the **Text Snippet Audit Report** page as follows:
 - i. The **Complex** drop-down list selection must represent the complex with which the deleted snippet's library is associated.
 - ii. The **Text Library Name** drop-down list selection must represent text library from which the snippet was deleted.
 - iii. The **Snippet Name** drop-down list selection must be *[All]*.

Note:
The names of deleted snippets are not displayed in the drop-down list, since the snippets no longer exist in the FundSuiteArc database.
 - b. Records representing deleted snippets display in the search results grid with an audit type of *Delete*.
 - c. The **Details** hyperlink at lower-right of search results grid is not functional for rows of audit type *Delete*, as the associated changes/details no longer exist in the FundSuiteArc database.
2. A **View as** option button set is now displayed on the **Text Snippet Event Details** pop-up dialogue (invoked via the **Details** button at lower-right of the search results grid on the **Text Snippet Audit Report** page), with which the user can opt to view details of the selected text snippet change as either formatted text or XML.
 - a. When the **Text** option is selected (this is the default view), content in the **Before** and **After** text boxes displays exactly as it does within the text editor control of the **Text Libraries** page (*i.e.*, text for data

points display in the appropriate color, paragraph styles display, etc.), with the exception that the content is read-only.



- b. When the **XML** option is selected, the content in the **Before** and **After** text boxes is the raw XML code of the text snippet (this is the format that was displayed in versions of FundSuiteArc prior to 2.2.0).



Note:

Although the **Before** and **After** text boxes are read-only, the text boxes are still scrollable and the user can select the contents thereof for purposes of copy/paste operations, as needed.

Process Changes

No changes to current processes are required.

23. Text Libraries Extract

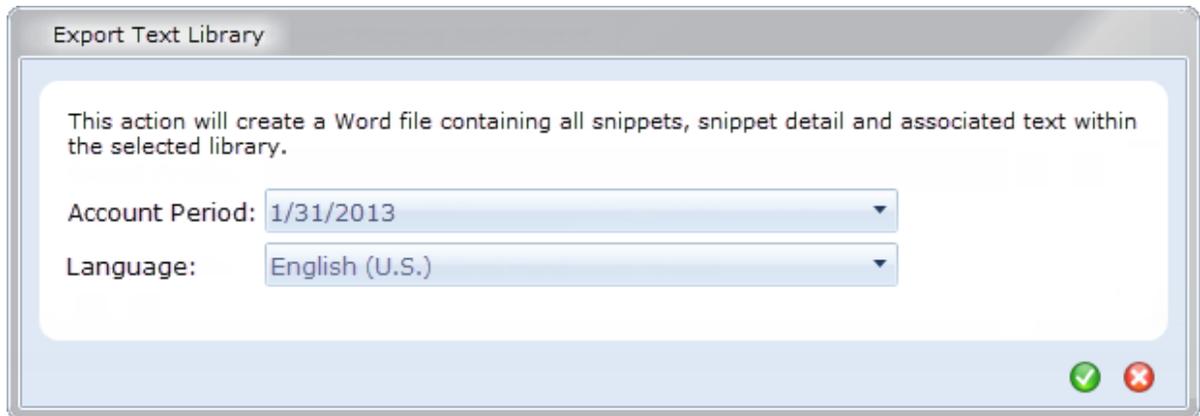
Overview

Users can now export the content and details associated with all text snippets in a given text library to a file of Word (DOC) format.

What's New

An **Export text library** button (📄) was added at lower-right of the **Snippets** tab of the **Text Libraries** page, by means of which users can export the content of all snippets in the selected text library for a specified account period and language.

1. Clicking the button causes the **Export Text Library** pop-up dialogue to display.



- a. The user specifies the account period with which snippet content in the export will be associated.
 - i. All account periods in the current environment are available for selection in the drop-down list.
 - ii. The account period specified in the fund selection bar at the time the dialogue is opened is selected by default.
 - A. If no account period is specified (*i.e.*, if the **Reset Fund Selection** button had been clicked, clearing the fund selection bar altogether), the default selection when the dialogue is opened is the first (most recent) account period in the list.

- b. The user specifies the language with which snippet content in the export will be associated.
 - i. If **all** snippets in the selected text library have the setting *Snippet text is the same for each language*, the drop-down list will be disabled.
 - ii. If one or more snippets in the selected text library have language-specific content, the drop-down list will be enabled, and will contain a listing of all languages defined for the selected library via the **Languages** tab of the **Text Libraries** page.
 - iii. When a **Language** selection is specified, the resulting export file will include all snippets having content for that language, as well as all non-language-specific snippets (*i.e.*, those having the setting *Snippet text is the same for each language*).
- c. When the user clicks the **Accept** button (✔) at lower-right of the dialogue, a request is sent to the Output Queue for an export containing snippet content that meets the specified criteria.

2. The Word file generated by a text library export contains header information to indicate the date and time of the export, the specified account period, the text library name, its description and the complex with which the library is associated. Beneath the header information, each snippet from the library is listed and numbered in the order in which it appears on the *Snippets* tab of the **Text Libraries** page.

Example:

3. Snippet Name / Folder: Front Cover Text / Covers	
Description:	
<u>Content:</u>	
[Date]	< Current Account Period >
[Normal]	A series of Donnelley Trust
[Callout]	<u>Sign up for electronic delivery</u>
[ImageCaption]	Donnelley Investments
<hr/>	
4. Snippet Name / Folder: Fund's Expenses / Expenses	
Description:	
<u>Content:</u>	
[Chapter]	Your Fund's Expenses
[Normal]	As a Fund shareholder, you can incur two types of costs:
[Section]	Actual Fund Expenses

- a. Each snippet is separated by a horizontal dividing line.
- b. The following details of each snippet are displayed:
 - i. Snippet name and folder
 - ii. Snippet description

- iii. Snippet content (displayed in a similar format as seen in the text editor of the **Text Libraries** page)
 - A. Paragraph styles are displayed.
 - B. Basic formatting (*i.e.*, bold, italic) is displayed.
 - C. Colored text for data points, custom tags, and reference colors are displayed.

Process Changes

No changes to current processes are required.

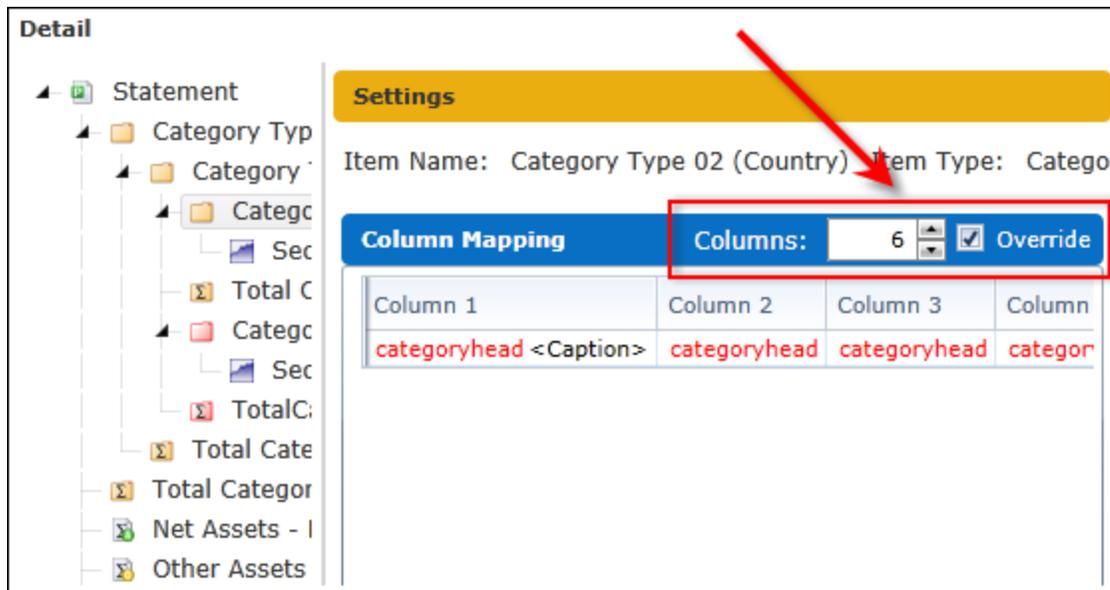
24. Ability to specify a distinct number of mappable columns for portfolio statement categories, groups and items

Overview

Users can now specify the number of mappable columns displayed for the various categories/groups that exist within a given portfolio statement template, as well as for line items of types *Formula*, *Column Header*, *Net Assets*, *Other Assets* and *Total Investments*, thus allowing for greater flexibility in accommodating layout differences among individual security types.

What's New

Users can now utilize the *Override* check box and associated *Columns* spinner control in the *Column Mapping* area of the **Portfolio Statement Template Output Settings** page to specify a particular number of mappable columns for any given category or group item, as well as for line items of types *Formula*, *Column Header*, *Net Assets*, *Other Assets* and *Total Investments*. These controls were added in FundSuiteArc version 2.0.0, but disabled pending the introduction of additional, supporting functionality.



Detail

Statement

- Category Type
 - Category
 - Category
 - Sec
 - Total C
 - Category
 - Sec
 - TotalC:
 - Total Cate
 - Total Categor
 - Net Assets - I
 - Other Assets

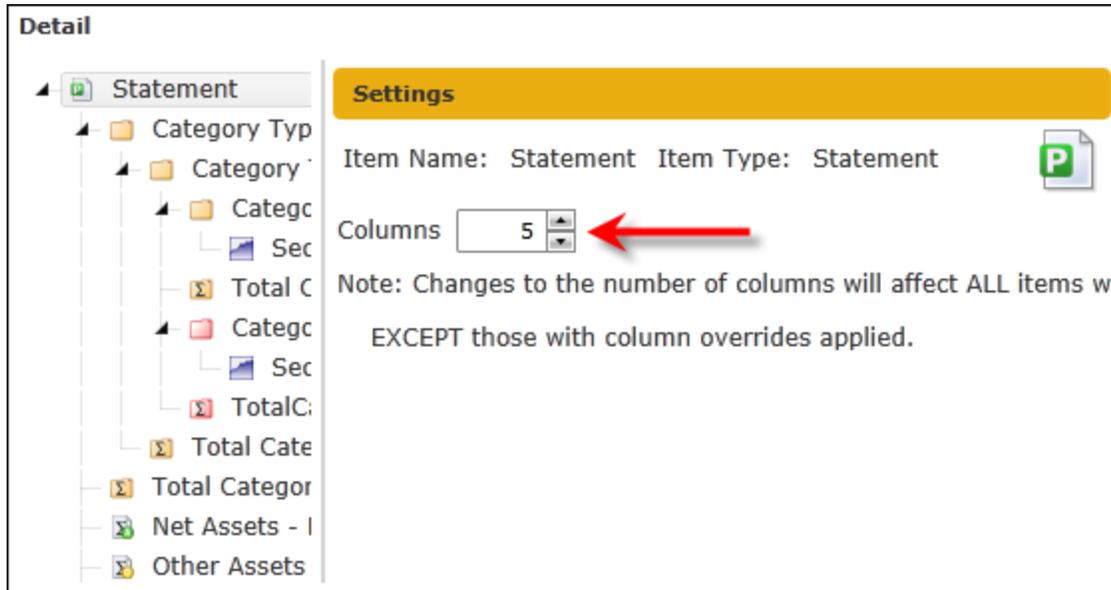
Settings

Item Name: Category Type 02 (Country) Item Type: Catego

Column Mapping Columns: 6 Override

Column 1	Column 2	Column 3	Column
categoryhead <Caption>	categoryhead	categoryhead	category

1. The **Override** check box associated with each category/group/item in a given statement template is initially cleared. The corresponding **Columns** spinner is therefore disabled, and reflects the number of columns specified at the statement level.

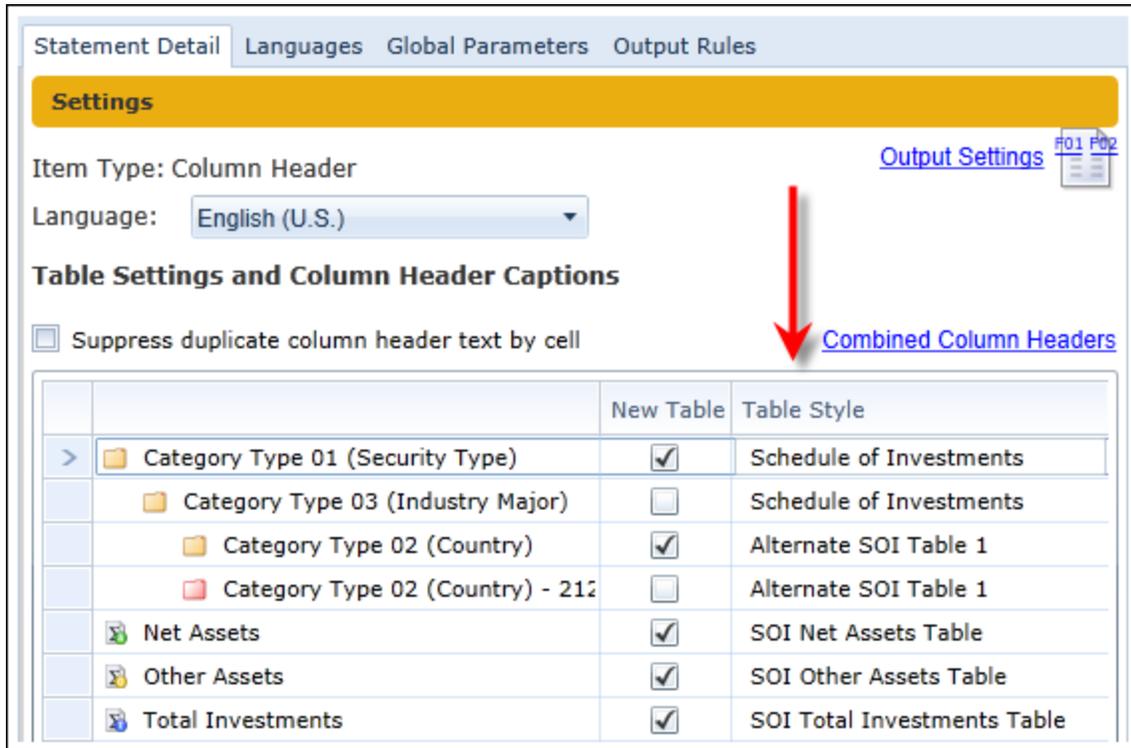


- a. The user can select the **Override** check box for a given category, group or line item to enable the **Columns** spinner, and then adjust the number of columns for that category/group/item, as needed.

Additional Information

- Changes to the number of columns for a category or group will change the header and all associated child items within the category/group.

- Categories and/or groups with differing numbers of columns will require different table styles. These are specified in the **Table Settings and Column Header Captions** grid for the *Column Header* node via the **Portfolio Statement Templates** page.



Statement Detail Languages Global Parameters Output Rules

Settings

Item Type: Column Header [Output Settings](#) #01 #02

Language: English (U.S.)

Table Settings and Column Header Captions

Suppress duplicate column header text by cell

[Combined Column Headers](#)

	New Table	Table Style
> Category Type 01 (Security Type)	<input checked="" type="checkbox"/>	Schedule of Investments
Category Type 03 (Industry Major)	<input type="checkbox"/>	Schedule of Investments
Category Type 02 (Country)	<input checked="" type="checkbox"/>	Alternate SOI Table 1
Category Type 02 (Country) - 212	<input type="checkbox"/>	Alternate SOI Table 1
Net Assets	<input checked="" type="checkbox"/>	SOI Net Assets Table
Other Assets	<input checked="" type="checkbox"/>	SOI Other Assets Table
Total Investments	<input checked="" type="checkbox"/>	SOI Total Investments Table

- With changes to table styles, the **New Table** check box settings for one or more categories/groups may require updates.

Process Changes

No changes to current processes are required.

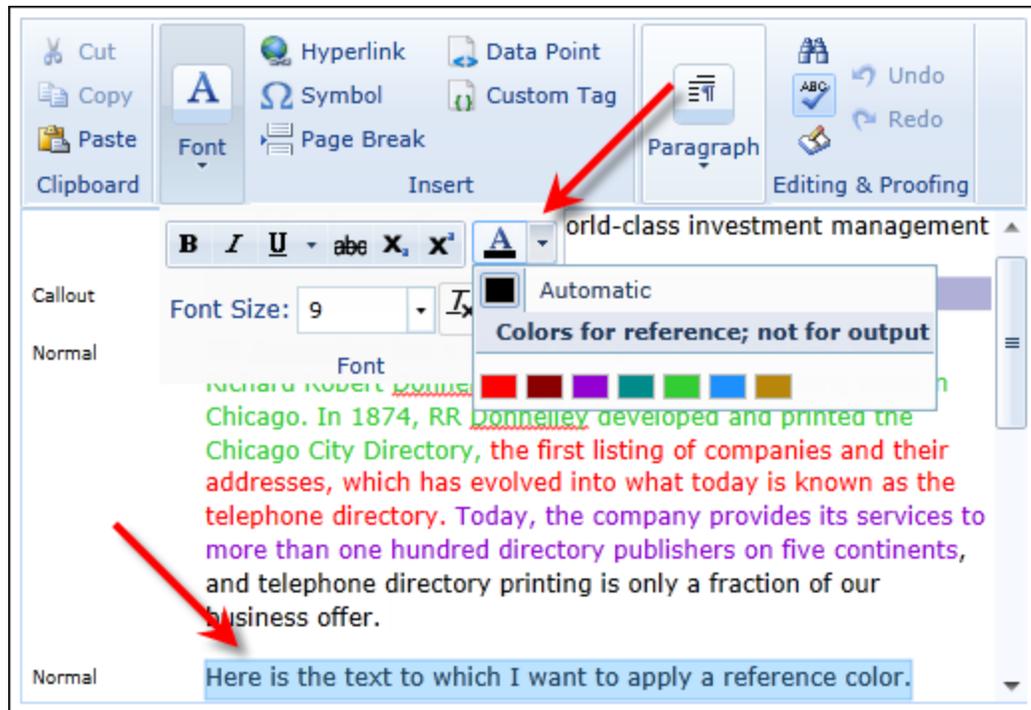
25. Enhancements to footnote and text library content functionality

Overview

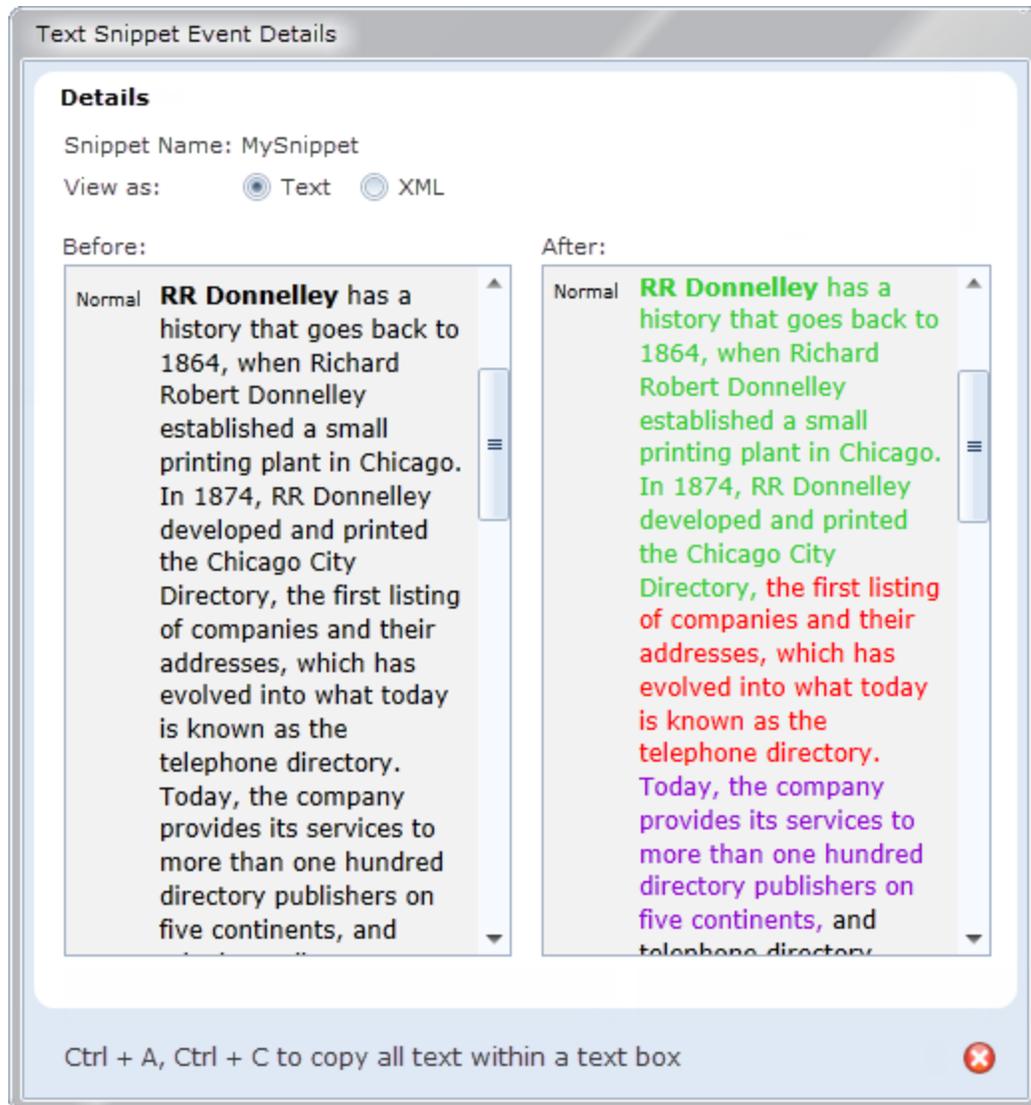
A series of updates related to footnote and text snippet content were made across several application pages and exports.

What's New

1. A **Reference Color** button (A) was added to the **Font** control group of the text editor on the **Text Libraries** page, **Footnote Libraries - General Ledger** page and **Footnote Libraries - Holdings** page.
 - a. Users can select/highlight any portion of text within the text editing pane, then click the downward-facing arrow at right of the button to choose one of seven predefined colors to apply to the text.



- i. Users may apply multiple colors to distinct portions of the content of any given snippet.
 - ii. The color(s) applied to content text is for on-screen reference only. It displays in the text editor and on the **Components** tab of the **Project** page; it does not display in project output.
2. The scope of updates tracked under the **Change** audit type of the Text Snippet Audit Report was increased to include new or changed reference colors on text snippet content.
 - a. The **Text Snippet Event details** dialogue (invoked by clicking the **Details** hyperlink when a report results record is selected) reflects the addition of or change in reference color(s).

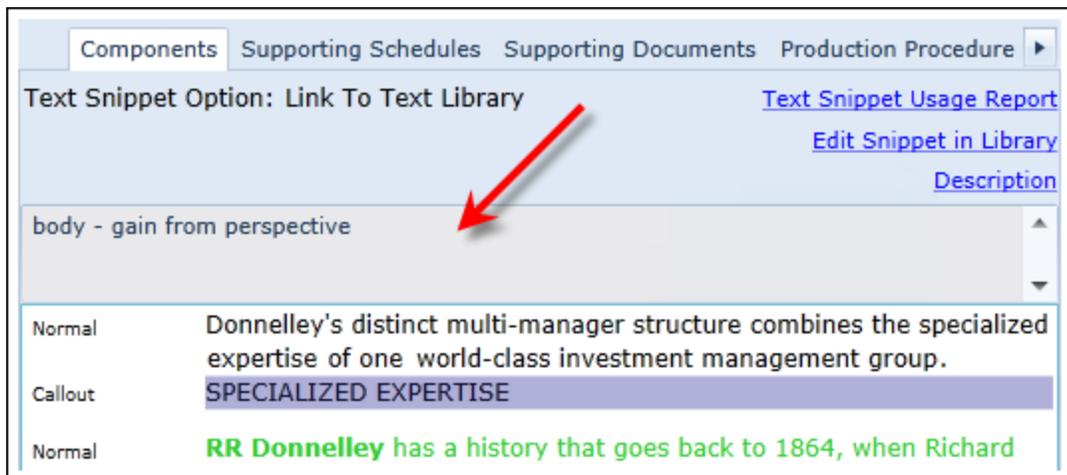


3. The character limit of the **Description** field for snippets in text libraries was increased from 512 to 2,000 characters.
 - a. The **Description** field is located on the **Add/Edit Snippet Details** dialogue, which is accessed via **Details** link at right of the **Snippets** tab of the **Text Libraries** page.

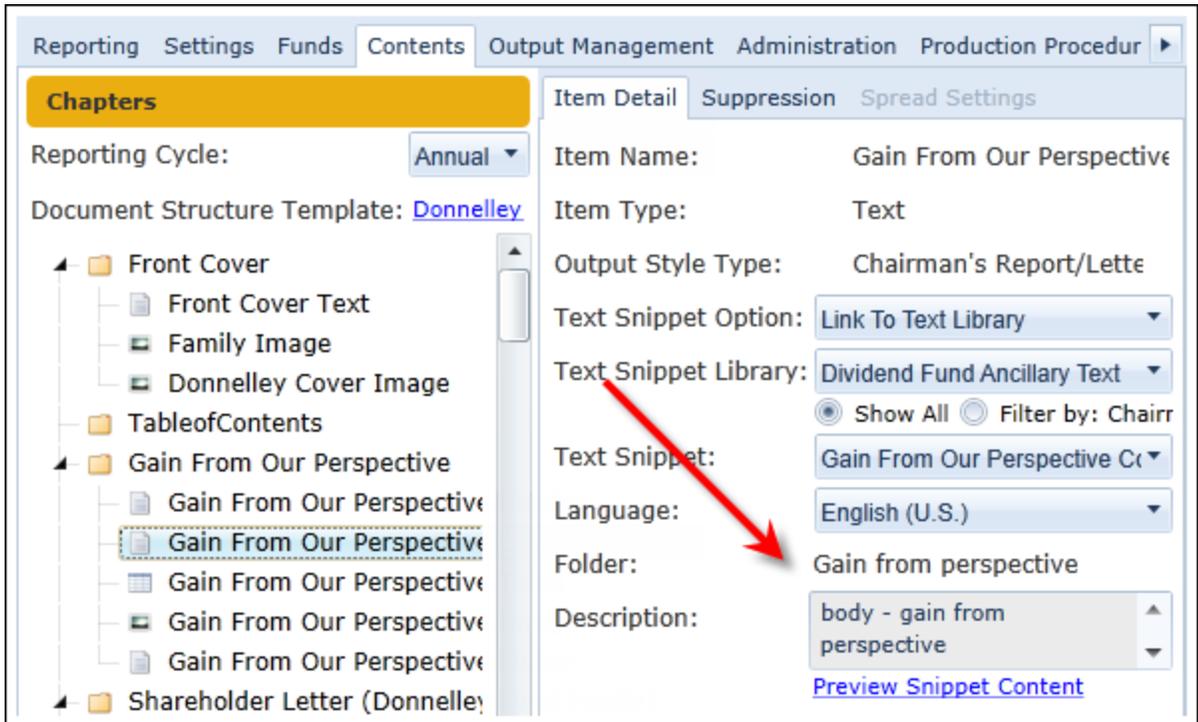
4. A **Description** hyperlink was added at upper-right of the **Components** tab of the **Project** page, when a text item of type **Link to Text Library** is selected from the **Project Content** tree view.



- a. Clicking the link toggles the display of a read-only multi-line text box between the tab's heading information and the text viewing pane, which contains the **Description** value specified for the snippet via the **Text Libraries** page.



- Read-only **Folder** and **Description** fields are now displayed on the **Item Detail** sub-tab of the **Project Templates** page for items of type **Text**, whose text snippet option is either **Link To Text Library** or **Copy From Text Library**.



- The existing Project Template Setup export (generated via the associated button at lower-right of the **Contents** tab of the **Project Templates** page) now includes **Folder: Snippet** and **Description: Snippet** columns in the Excel output file, which contain the **Folder** and **Description** values, respectively, associated with items of type **Text** in the template.

Process Changes

No changes to current processes are required.

26. Change to handling of fund holdings values for "Closed" account periods

Overview

A change was made to the handling of fund holdings values for "Closed" account periods. In previous versions of FundSuiteArc, holdings values for a closed period were re-summed in project preview and/or generation of output to derive total values.

What's New

1. Going forward, when project information is previewed, or when output is generated for a closed period, if a statement is encountered that does not yet have calculated numbers stored for that period, a new calculation will be initiated on that statement for the closed period so values can then be stored and referenced as needed.
2. Upon update to version 2.2.0, all portfolio statement templates for all open account periods will be set to a *Not Calculated* state and the XML cache status will be cleared so that the new calculation process can run and store all the calculated values in the environment.

Note:

This will only occur one time per environment following the update.

Process Changes

No changes to current processes are required.

27. Enhanced behavior on Project page for suppressed or undefined components

Overview

Functionality was added to the **Project** page to alert users when a given component in the project is either undefined (*i.e.*, has no associated output settings) or will be suppressed in output due to **Advanced Suppression** settings specified for the project's template.

What's New

1. If a given project component (*i.e.*, financial or portfolio statement, tabular data, etc.) will be suppressed in project output due to **Advanced Suppression** settings in the project's template, or if there are no output settings defined in association with the component, the following **Please Note** pop-up dialogue will now display when the user clicks/selects the component in the tree view of the **Project** page:

This component does not have any output settings defined, or has been suppressed. Please verify that data exists and that the setup is correct.

2. If a given project component (*i.e.*, financial or portfolio statement, tabular data, etc.) will be suppressed in project output due to **Advanced Suppression** settings in the project's associated template, the following informational text is displayed as a clickable link on the **Components** tab of the **Project** page when the component is selected in the tree view pane:

This component will be suppressed in project output due to settings specified in the project's template.

Click here to view the suppression settings in the project template.

- a. If the user clicks the link, the **Project Templates** page is opened. The current project's template will be selected in the **Listing** grid, the **Contents** tab will be in focus and the **Reporting Cycle** drop-down list selection will be set according to the project's account period.

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. Ability to multi-select items for mapping to a calculation sheet

Overview

Users now have the ability to multi-select items when mapping to a calculation sheet item via the **Financial Workbook Templates** page.

What's New

In previous versions of ArcReporting, users had to individually select items when adding them to a calculation sheet item via the drag-and-drop method on the **Calculation Sheets** tab of the **Financial Workbook Templates** page. Users can now multi-select items within the sub-tabs in the right pane and add them all at once to the desired calculation sheet line item in the left pane.

1. To select multiple, contiguous or noncontiguous items on a given sub-tab, users can employ the following method:
 - a. Click and hold the `Ctrl` key.
 - b. Select the other items by clicking each, in turn, with the left mouse button.
2. To select multiple, contiguous items on a given sub-tab, users can carry out the following steps:
 - a. Select the first item in the set by clicking it with the left mouse button.
 - b. Click and hold the `Shift` key.
 - c. Select the other items in the set by one of the following means:
 - i. Strike the `Up` or `Down` arrow key to select each additional item in the set, one-by-one, until the last is selected.
 - ii. Select the last item in the set by clicking it with the left mouse button.

Process Changes

No changes to current processes are required.

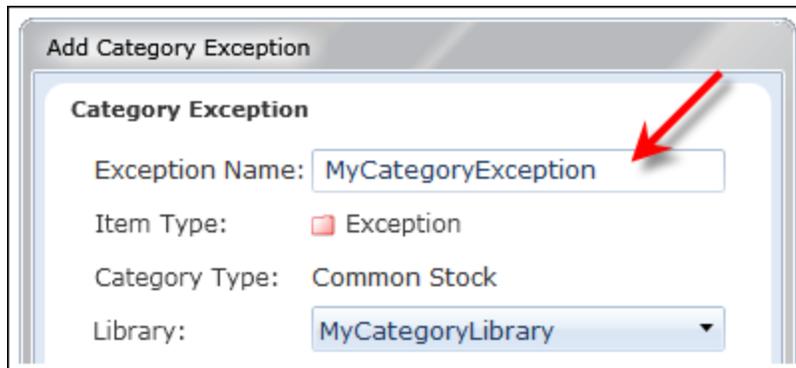
2. Increased character limit for portfolio statement template category exception names

Overview

Users can now specify names for portfolio statement template category exceptions of up to 500 characters, due to an increase in the character limit of the **Exception Name** field.

What's New

In previous versions of ArcReporting, users could only enter up to 32 characters to the **Exception Name** field for a given category exception in a portfolio statement template. Now users can specify names of up to 500 characters in the **Exception Name** field of the **Add Category Exception** dialogue.



The screenshot shows a dialog box titled "Add Category Exception". Inside, there is a section titled "Category Exception" with the following fields:

- Exception Name: MyCategoryException (highlighted with a red arrow)
- Item Type: Exception (with a red folder icon)
- Category Type: Common Stock
- Library: MyCategoryLibrary (dropdown menu)

Process Changes

No changes to current processes are required.

3. Account period-, fund- and class-specific display of financial statement footnotes applied to "Caption"

Overview

Logic for footnotes applied to financial line item captions was enhanced, such that an assigned footnote will only display in statement preview and output based on the footnote assignment settings and according to the class, fund and account period with which the statement/item is associated.

What's New

In previous versions of ArcReporting, if a user applied a financial footnote to a line item caption in association with a specific fund, account period and/or class, the footnote would display for all the classes in the fund, all the account periods and/or all the funds in a spread. Footnote logic was enhanced, such that a given footnote only displays for its assigned fund, account period and/or class.

Example:

If a fund has Class A and Class B and the user assigns the caption footnote to Class A, it will only display for Class A.

Process Changes

No changes to current processes are required.

4. Trial Balance Definitions Audit Report

Overview

A Trial Balance Definitions Audit Report was added to ArcReporting, which tracks all additions and changes made to the *Trial Balance Definitions* tab of the **Financial Workbook Templates** page.

What's New

1. A new **Trial Balance Definitions Audit Report** page was added to ArcReporting, through which users can generate a listing of all changes made to trial balance definitions in a given financial workbook template. The report is accessed via a new menu item of the same name, under the **Reports** menu section on the *Administration* tab.

Note:

The new *Open Trial Balance Definitions Audit Report Page* user right is required to open the **Trial Balance Definitions Audit Report** page (the *Trial Balance Definitions Audit Report* menu item is disabled if the right is not assigned to the current user).

- a. Users can narrow report results by any of the following filters in the *Report Result Filters* section at the top of the page:
 - i. **Complex**
 - A. The drop-down list contains all complexes to which the current user has access, and the selection defaults to the first complex (alphabetically) in the list.

Note:

When the page is opened via the *Trial balance definitions audit report* button on the *Trial Balance Definitions* tab of the **Financial Workbook** page, the complex associated with that workbook template is selected by default.

- ii. **Workbook Template**
 - A. The drop-down list contains all workbook templates associated with the selected complex and the selection defaults to the first workbook template (alphabetically) in the

list based on the **Complex** selection.

Note:

When the page is opened via the **Trial balance definitions audit report** button on the **Trial Balance Definitions** tab of the **Financial Workbook** page, that workbook template is selected by default.

iii. **Trial Balance Definition**

- A. The drop-down list contains all trial balance definitions associated with the selected workbook template.

Note:

When the page is opened via the **Trial balance definitions audit report** button on the **Trial Balance Definitions** tab of the **Financial Workbook** page, that trial balance definition is selected by default.

iv. **Audit Type**

- A. The audit type identifies the area in which the addition or edit took place.
- B. The following are possible audit types on which the user can filter:
1. *Add Definition*
 2. *Delete Definition*
 3. *Edit Definition*
 4. *Add Section*
 5. *Add Sub-Section*
 6. *Add Item*
 7. *Remove Item*
 8. *Delete Record*
 9. *Edit Record*

10. *Move Item Up*
 11. *Move Item Down*
 - v. *Editing User*
 - vi. *From Date*
 - vii. *To Date*
- b. Once the user sets the desired filter(s), they can export the report by clicking the export button (📄) at lower-right of the page.

Note:

Currently, the only available output format is Excel.

- c. When the user clicks the export button, a pop-up confirmation dialogue displays, asking whether they wish to generate a report based on the specified filter set.
- i. If the user clicks the **Yes** button on the dialogue, a second message displays, informing them that the request has been sent to the Output Queue, where the report can be retrieved once the export is complete.
- d. Once the export is complete, the user can retrieve the file from the Output Queue and download it for viewing.

Note:

The results are only returned via the Excel file in the Output Queue; they are not displayed on the **Trial Balance Definitions Audit Report** page.

- i. The Excel report contains a header showing which filters were selected:
 - A. *Report Date*
 1. Displays the date and time the audit report was run.
 - B. *Generated By*
 1. Displays the name of the user who ran the audit report.
 - C. *Complex*
 1. Displays the name of the selected complex.

D. **Workbook Template**

1. Displays either the name of the selected workbook template or *[None]* if one was not selected.

E. **Trial Balance Definition**

1. Displays either the name of the selected trial balance definition or *[None]* if one was not selected.

F. **Audit Type**

1. Displays either the name of the selected audit type or *[All]* if one was not selected.

G. **Editing User**

1. Displays either the name of the selected editing user or *[Unassigned]* if one was not selected.

H. **From Date**

1. Either displays the specified **From Date**, or the cell is blank if no date was specified.

I. **To Date**

1. Either displays the specified **To Date**, or the cell is blank if no date was specified.

ii. The following columns display beneath the report header, containing the report results:

A. **Trial Balance Definition**

1. Displays the name of the trial balance definition for which the addition or edit took place.

B. **Date/Time**

1. Displays the date and time the addition or edit took place.

C. **Editing User**

1. Displays the name of the user who made the addition or edit.

D. **Audit Type**

1. Displays the area in which the addition or edit took place.
2. The following are possible audit types:
 - a. *Add Definition*
 - b. *Delete Definition*
 - c. *Edit Definition*
 - d. *Add Section*
 - e. *Add Sub-Section*
 - f. *Add Item*
 - g. *Remove Item*
 - h. *Delete Record*
 - i. *Edit Record*
 - j. *Move Item Up*
 - k. *Move Item Down*

E. **Modified Item**

1. Displays the item in which the addition or edit took place based on the audit type.
 - a. When the audit type is *Add Definition*, possible values for this column are the following:
 - i. *Definition Name*
 - ii. *Description*
 - b. When the audit type is *Edit Definition*, possible values for this column are the following:
 - i. *Definition Name*
 - ii. *Description*

- c. When the audit type is *Add Section*, the value for this column is:
 - i. *Section Name*
- d. When the audit type is *Add Sub-Section*, possible values for this column are the following:
 - i. *Sub-Section*
 - ii. *Calculate Total*
- e. When the audit type is *Add Item*, possible values for this column are the following:
 - i. *Item Name*
 - ii. *Level*
 - iii. *Auto Reclass*
 - iv. *Allow this value to be adjusted for footing*
 - v. *Chart of Accounts*
 - vi. *Supplemental Data*
 - vii. *Fund Data Points*
 - viii. *Class Data Points*
- f. When the audit type is *Remove Item*, possible values for this column are the following:
 - i. *Chart of Accounts*
 - ii. *Supplemental Data*
 - iii. *Fund Data Points*
 - iv. *Class Data Points*

- g. When the audit type is *Edit Record*, possible values for this column are the following:
 - i. *Sub Section*
 - ii. *Item Name*
 - iii. *Auto Reclass*
 - iv. *Allow this value to be adjusted by footing*
- h. When the audit type is *Move Item Up* or *Move Item Down*, the value for this column is:
 - i. The **Name** value of the item moved up or moved down

F. *Before*

- 1. Displays the item information before the edit took place.
 - a. When the audit type is one of the following values, the cell will be blank in the report:
 - i. *Add Definition*
 - ii. *Add Section*
 - iii. *Add Sub-Section*
 - iv. *Add Item*
 - v. *Move Item Up*
 - vi. *Move Item Down*
 - b. To drill down on certain item levels, a greater-than symbol (>) is used to designate a separation between the item details.

G. *After*

- 1. Displays the item information after the addition or edit took place.
 - a. To drill down on certain item levels, a greater-than symbol (>) is used to designate a separation between the item details.

2. A button to open the Trial Balance Definitions Audit Report (📄) was added on the **Trial Balance Definitions** tab of the **Financial Workbook Templates** page.

Note:

The new *Open Trial Balance Definitions Audit Report Page* user right is required to use this button. If a user does not have this right, an **Insufficient Rights** pop-up dialogue displays when the button is clicked (and the report page will not open).

- a. Clicking the button causes the new **Trial Balance Definitions Audit Report** page to open.
 - i. When the page is opened, the **Complex, Workbook Template** and **Trial Balance Definition** drop-down lists in the **Report Result Filters** group box will be pre-populated to reflect the properties of the currently-selected trial balance definition.

Additional Information

The Trial Balance Definitions Audit Report will only return results for changes made to the **Trial Balance Definitions** tab following update to version 2.2.0. All work completed in any prior version of ArcReporting will not be displayed in the report.

Process Changes

No changes to current processes are required.

5. Calculation Sheet Template Audit Report

Overview

A Calculation Sheet Template Audit Report was added to ArcReporting, which tracks all additions and changes made to the **Calculation Sheets** tab of the **Financial Workbook Templates** page.

What's New

1. A new **Calculation Sheet Template Audit Report** page was added to ArcReporting, through which users can generate a listing of all changes made to calculation sheets associated with a given complex or a specific workbook template. The report is accessed via a new menu item of the same name, under the **Reports** menu section on the **Administration** tab.

Note:

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

- a. Users can narrow report results by any of the following filters in the **Report Result Filters** section at the top of the page:
 - i. **Complex**
 - A. The drop-down list contains all complexes to which the current user has access, and the selection defaults to the first complex (alphabetically) in the list.

Note:

When the page is opened via the **Calculation sheet template audit report** button on the **Calculation Sheets** tab of the **Financial Workbook** page, the complex associated with that workbook template is selected by default.

- ii. **Workbook Template**
 - A. The drop-down list contains all workbook templates associated with the selected complex and the selection defaults to the first workbook template (alphabetically) in the

list based on the **Complex** selection.

Note:

When the page is opened via the **Calculation sheet template audit report** button on the **Calculation Sheets** tab of the **Financial Workbook** page, that workbook template is selected by default.

iii. **Calculation Sheet**

- A. The drop-down list contains all calculation sheets associated with the selected workbook template.

Note:

When the page is opened via the **Calculation sheet template audit report** button on the **Calculation Sheets** tab of the **Financial Workbook** page, that calculation sheet is selected by default.

iv. **Audit Type**

- A. The audit type identifies the area in which the addition or edit took place on the calculation sheet.
- B. The following are possible audit types on which the user can filter:
1. *Calculation Sheet Setup*
 2. *Calculation Sheet Mapping*

v. **Action Type**

- A. The action type further identifies the area in which the addition or edit took place on the calculation sheet.
- B. The following are possible action types on which the user can filter when the audit type filter is set to *Calculation Sheet Setup*:
1. *Add Calculation Sheet*
 2. *Delete Calculation Sheet*
 3. *Edit Calculation Sheet*

C. The following are possible action types on which the user can filter when the audit type Filter is set to *Calculation Sheet Mapping*:

1. *Add Calculation Sheet Section*
2. *Add Calculation Sheet Item*
3. *Add Calculation Sheet Label*
4. *Delete Record*
5. *Edit Calculation Sheet Item*
6. *Edit Calculation Sheet Section*
7. *Edit Calculation Sheet Label*
8. *Move Up*
9. *Move Down*

vi. *Editing User*

vii. *From Date*

viii. *To Date*

b. Once the user sets the desired filter(s), they can export the report by clicking the export button (📄) at lower-right of the page.

Note:

Currently, the only available output format is Excel.

c. When the user clicks the export button, a pop-up confirmation dialogue displays, asking whether they wish to generate a report based on the specified filter set.

- i. If the user clicks the **Yes** button on the dialogue, a second message displays, informing them that the request has been sent to the Output Queue, where the report can be retrieved once the export is complete.

- d. Once the export is complete, the user can retrieve the file from the Output Queue and download it for viewing.

Note:

The results are only returned via the Excel file in the Output Queue; they are not displayed on the **Calculation Sheet Template Audit Report** page.

- i. The Excel report contains a header showing which filters were selected:
 - A. **Report Date**
 1. Displays the date and time the audit report was run.
 - B. **Generated By**
 1. Displays the name of the user who ran the audit report.
 - C. **Complex**
 1. Displays the name of the selected complex.
 - D. **Workbook Template**
 1. Displays either the name of the selected workbook template or *[None]* if one was not selected.
 - E. **Calculation Sheet**
 1. Displays either the name of the selected calculation sheet or *[None]* if one was not selected.
 - F. **Audit Type**
 1. Displays either the name of the selected audit type or *[All]* if one was not selected.
 - G. **Action Type**
 1. Displays either the name of the selected action type or *[All]* if one was not selected.

H. **Editing User**

1. Displays either the name of the selected editing user or *[Unassigned]* if one was not selected.

I. **From Date**

1. Either displays the specified **From Date**, or the cell is blank if no date was specified.

J. **To Date**

1. Either displays the specified **To Date**, or the cell is blank if no date was specified.

ii. The following columns display beneath the report header, containing the report results:

A. **Calculation Sheet**

1. Displays the name of the calculation sheet for which the addition or edit took place.

B. **Date/Time**

1. Displays the date and time the addition or edit took place.

C. **Editing User**

1. Displays the name of the user who made the addition or edit.

D. **Audit Type**

1. Displays the area in which the addition or edit took place.
2. The following are the possible audit types:
 - a. *Calculation Sheet Mapping*
 - b. *Calculation Sheet Setup*

E. **Action Type**

1. The action type further identifies the area in which the addition or edit took place on the calculation sheet.

2. When the audit type is *Calculation Sheet Setup*, possible values for this column are the following:
 - a. *Add Calculation Sheet*
 - b. *Delete Calculation Sheet*
 - c. *Edit Calculation Sheet*
3. When the audit type is *Calculation Sheet Mapping*, possible values for this column are the following:
 - a. *Add Calculation Sheet Section*
 - b. *Add Calculation Sheet Item*
 - c. *Add Calculation Sheet Label*
 - d. *Delete Record*
 - e. *Edit Calculation Sheet Item*
 - f. *Edit Calculation Sheet Section*
 - g. *Edit Calculation Sheet Label*
 - h. *Move Up*
 - i. *Move Down*

F. Sub Type

1. The sub type further drills down on the area in which the addition or edit took place on the calculation sheet.
2. When the action type is *Add Calculation Sheet*, possible values for this column are the following:
 - a. *Blank Sheet*
 - b. *Copy Existing Sheet*
 - c. *Description*

- d. *Display total column*
 - e. *Import*
 - f. *Name*
 - g. *Number of Columns*
 - h. *Suppress base currency from repeat and total*
 - i. *Type*
3. When the action type is *Edit Calculation Sheet*, possible values for this column are the following:
- a. *Description*
 - b. *Display total column*
 - c. *Name*
 - d. *Number of Columns*
 - e. *Suppress base currency from repeat and total*
 - f. *Type*
4. When the action type is *Add Calculation Sheet Section*, possible values for this column are the following:
- a. *Calculate Total*
 - b. *Rounding Level*
 - c. *Section Name*
5. When the action type is *Edit Calculation Sheet Section*, possible values for this column are the following:
- a. *Calculate Total*
 - b. *Rounding Level*
 - c. *Section Name*

6. When the action type is *Add Calculation Sheet Item*, possible values for this column are the following:
 - a. *Add Formula Element*
 - b. *Base Class Assignment/Behavior*
 - c. *Calculation Sheet Item Type*
 - d. *Delete Formula Element*
 - e. *Edit Formula Element*
 - f. *Horizontal Total Exchange Rate Type*
 - g. *Item Name*
 - h. *Move Element Down*
 - i. *Move Element Up*

7. When the action type is *Edit Calculation Sheet Item*, possible values for this column are the following:
 - a. *Add Formula Element*
 - b. *Base Class Assignment/Behavior*
 - c. *Calculation Sheet Item Type*
 - d. *Delete Formula Element*
 - e. *Edit Formula Element*
 - f. *Horizontal Total Exchange Rate Type*
 - g. *Item Name*
 - h. *Move Element Down*
 - i. *Move Element Up*

8. When the action type is *Add Calculation Sheet Label*, the value for this column is:
 - a. *Label Name*

9. When the action type is *Edit Calculation Sheet Label*, the value for this column is:
 - a. *Label Name*
 10. When the action type is *Move Item Up*, possible values for this column are the following:
 - a. *Item*
 - b. *Label*
 - c. *Section*
 11. When the action type is *Move Item Down*, possible values for this column are the following:
 - a. *Item*
 - b. *Label*
 - c. *Section*
- G. **Calculation Sheet Item**
1. Displays the section name and item name (if applicable).
 2. The section name and item name are separated by a greater-than symbol (>).
- H. **Formula Element Name**
1. Displays the formula element name.
 - a. Displayed as *Element > Type*.
- I. **Formula Operator**
1. Displays the operator for the formula element.
- J. **Formula Account Period**
1. Displays the account period cycle for the formula element.

K. **Formula Absolute Value**

1. Displays whether the **Absolute Value** check box state is selected (*True*) or cleared (*False*) for the formula element.

L. **Formula Consolidation Source**

1. When a trial balance or holdings item is added or edited, the column displays the selected consolidation source.

M. **Changed Item**

1. Displays the formula element item that was edited in the calculation sheet.
2. When the action type is *Edit Calculation Sheet Item* and the sub type is *Edit Formula Element*, possible values for this column are the following:
 - a. *Absolute Value*
 - b. *Account Period Cycle*
 - c. *Calculation Sheet*
 - d. *Categories by which to group*
 - e. *Category Library*
 - f. *Element*
 - g. *If*
 - h. *Item*
 - i. *Name*
 - j. *Numeric Value*
 - k. *Operator*
 - l. *Portfolio Statement Template*
 - m. *Return Type*
 - n. *Return Value*

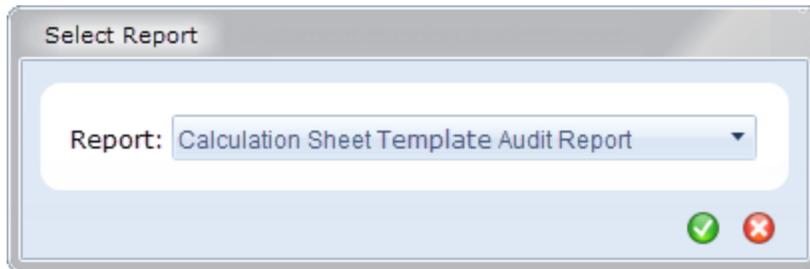
- o. *Return Value if no conditions are met*
- p. *Trial Balance*
- q. *Trial Balance Value Type*
- r. *Type*
- s. *Value*
- t. *Value to Sum*

N. **Before**

1. Displays the item information before the edit took place.
 - a. To drill down on certain item levels, a greater-than symbol (>) is used to designate a separation between the item details.

O. **After**

1. Displays the item information after the addition or edit took place
 - a. To drill down on certain item levels, a greater-than symbol (>) is used to designate a separation between the item details.
2. The button at the bottom of the **Calculation Sheets** tab of the **Financial Workbook Templates** page formerly used to generate a Calculation Sheet Circular Reference Audit Report (🔄) was replaced with a more versatile **Generate reports** button (📄), which allows users to produce financial reports by means of the new **Select Report** dialogue that displays.



- a. If the user selects the **Calculation Sheet Template Audit Report** option, the user will be taken to the new **Calculation Sheet Template Audit Report** page.

- b. The Calculation Sheet Circular Reference Audit Report is now generated via a **Report** drop-down list selection of the same name on the **Select Report** dialogue invoked from the **Calculation Sheets** tab of the **Financial Workbook** page. The report runs as it did in previous versions of FundSuiteArc.

Additional Information

The Calculation Sheet Template Audit Report will only return results for changes made to the **Calculation Sheets** tab following update to version 2.2.0. All work completed in any prior version of ArcReporting will not be displayed in the report.

Process Changes

No changes to current processes are required.

6. Financial Statement Template Audit Report

Overview

A Financial Statement Template Audit Report was added to ArcReporting, which tracks all additions and changes made to the *Financial Statement Templates* tab of the **Financial Workbook Templates** page.

What's New

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

Note:

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

- a. Users can narrow report results by any of the following filters in the *Report Result Filters* section at the top of the page:
 - i. **Complex**
 - A. The drop-down list contains all complexes to which the current user has access, and the selection defaults to the first complex (alphabetically) in the list.

Note:

When the page is opened via the *Financial statement template audit report* button on the *Financial Statement Templates* tab of the **Financial Workbook Templates** page, the complex associated with that workbook template is selected by default.

- ii. **Workbook Template**
 - A. The drop-down list contains all the workbook templates that are found within the selected complex and the selection defaults to the first workbook template

(alphabetically) in the list based on the **Complex** selection.

Note:

When the page is opened via the **Financial statement template audit report** button on the **Financial Statement Templates** tab of the **Financial Workbook Templates** page, that workbook template is selected by default.

iii. **Financial Statement Template**

- A. The drop-down list contains all the financial statement templates that were created based on the selected workbook template.

Note:

When the page is opened via the **Financial statement template audit report** button on the **Financial Statement Templates** tab of the **Financial Workbook Templates** page, that financial statement template is selected by default.

iv. **Audit Type**

- A. The audit type identifies the area in which the addition or edit took place.
- B. The following are possible audit types on which the user can filter:
1. *Account Periods*
 2. *Add Financial Statement Template*
 3. *Caption*
 4. *Classes*
 5. *Definition*
 6. *Delete Financial Statement Template*
 7. *Edit Financial Statement Template*
 8. *Extras*
 9. *Languages*

v. *Item Type*

- A. The item type further identifies the area in which the addition or edit took place on the financial statement template.
- B. The following are possible item types on which the user can filter:
 - 1. *Add Class*
 - 2. *Add Column Header*
 - 3. *Add Custom Section*
 - 4. *Add Footnote Legend*
 - 5. *Add Item*
 - 6. *Add Language*
 - 7. *Add Period*
 - 8. *Blank Template*
 - 9. *Caption*
 - 10. *Change Caption Based on Account Period*
 - 11. *Change Caption Based on Append*
 - 12. *Change Caption Based on Data Point*
 - 13. *Change Caption Based on Section Children*
 - 14. *Change Caption Based on Value*
 - 15. *Copy Existing Template*
 - 16. *Delete Column Header*
 - 17. *Delete Custom Section*
 - 18. *Delete Footnote Legend*
 - 19. *Delete Language*

20. *Delete Period*
21. *Delete Template*
22. *Details*
23. *Edit Custom Section*
24. *Edit Footnote Legend*
25. *Edit Item Details*
26. *Edit Period*
27. *Move Item Down*
28. *Move Item Up*
29. *Remove Class*
30. *Remove Item*
31. *Suppress classes closed during the current period*

vi. **Editing User**

vii. **From Date**

viii. **To Date**

- b. Once the user sets the desired filter(s), they can export the report by clicking the export button (📄) at lower-right of the page.

Note:

Currently, the only available output format is Excel.

- c. When the user clicks the export button, a pop-up confirmation dialogue displays, asking whether they wish to generate a report based on the specified filter set.
- i. If the user clicks the **Yes** button on the dialogue, a second message displays, informing them that the request has been sent to the Output Queue, where the report can be retrieved once the export is complete.

- d. Once the export is complete, the user can retrieve the file from the Output Queue and download it for viewing.

Note:

The results are only returned via the Excel file in the Output Queue; they are not displayed on the **Financial Statement Template Audit Report** page.

- i. The Excel report contains a header showing which filters were selected:
 - A. **Report Date**
 1. Displays the date and time the audit report was run.
 - B. **Generated By**
 1. Displays the name of the user who ran the audit report.
 - C. **Complex**
 1. Displays the name of the selected complex.
 - D. **Workbook Template**
 1. Displays either the name of the selected workbook template or *[None]* if one was not selected.
 - E. **Financial Statement Template**
 1. Displays either the name of the selected financial statement template or *[None]* if one was not selected.
 - F. **Audit Type**
 1. Displays either the name of the selected audit type or *[All]* if one was not selected.
 - G. **Item Type**
 1. Displays either the name of the selected item type or *[All]* if one was not selected.

H. **Editing User**

1. Displays either the name of the selected editing user or *[Unassigned]* if one was not selected.

I. **From Date**

1. Either displays the specified **From Date**, or the cell is blank if no date was specified.

J. **To Date**

1. Either displays the specified **To Date**, or the cell is blank if no date was specified.

ii. The following columns display beneath the report header, containing the report results:

A. **Financial Statement Template Name**

1. Displays the name of the financial statement template for which the addition or edit took place.

B. **Date/Time**

1. Displays the date and time the addition or edit took place.

C. **Editing User**

1. Displays the name of the user who made the addition or edit.

D. **Audit Type**

1. Displays the area in which the addition or edit took place.
2. The following are possible audit types:
 - a. *Account Periods*
 - b. *Add Financial Statement Template*
 - c. *Caption*
 - d. *Classes*
 - e. *Definition*

- f. *Delete Financial Statement Template*
- g. *Edit Financial Statement Template*
- h. *Extras*
- i. *Languages*

E. *Item Type*

1. The item type further identifies the area in which the addition or edit took place on the financial statement template.
2. The following are possible item types:
 - a. *Add Class*
 - b. *Add Column Header*
 - c. *Add Custom Section*
 - d. *Add Footnote Legend*
 - e. *Add Item*
 - f. *Add Language*
 - g. *Add Period*
 - h. *Blank Template*
 - i. *Caption*
 - j. *Change Caption Based on Account Period*
 - k. *Change Caption Based on Append*
 - l. *Change Caption Based on Data Point*
 - m. *Change Caption Based on Section Children*
 - n. *Change Caption Based on Value*
 - o. *Copy Existing Template*

- p. *Delete Column Header*
- q. *Delete Custom Section*
- r. *Delete Footnote Legend*
- s. *Delete Language*
- t. *Delete Period*
- u. *Delete Template*
- v. *Details*
- w. *Edit Custom Section*
- x. *Edit Footnote Legend*
- y. *Edit Item Details*
- z. *Edit Period*
- aa. *Move Item Down*
- ab. *Move Item Up*
- ac. *Remove Class*
- ad. *Remove Item*
- ae. *Suppress classes closed during the current period*

F. **Sub Type**

1. The sub type further drills down on the area in which the addition or edit took place on the financial statement template.
2. When the item type is *Blank Template*, possible values for this column are the following:
 - a. *Description*
 - b. *Level*
 - c. *Link to calculation sheet*

- d. *Name*
 - e. *Number of Columns*
 - f. *Orientation*
 - g. *Output Style Type*
 - h. *Rounding Source*
3. When the item type is *Copy Existing Template*, possible values for this column are the following:
- a. *Description*
 - b. *Link to calculation sheet*
 - c. *Name*
 - d. *Number of Columns*
 - e. *Output Style Type*
4. When the item type is *Details*, possible values for this column are the following:
- a. *Description*
 - b. *Link to calculation sheet*
 - c. *Name*
 - d. *Level*
 - e. *Number of Columns*
 - f. *Output Style Type*
 - g. *Rounding Source*
5. When the item type is *Edit Item Details*, possible values for this column are the following:
- a. *Class Assignment/Behavior*
 - b. *Sorting*

6. When the item type is *Add Item*, possible values for this column are the following:
 - a. *Calculation Sheet*
 - b. *Extras*
 - c. *Trial Balance*
7. When the item type is *Remove Item*, possible values for this column are the following:
 - a. *Calculation Sheet*
 - b. *Extras*
 - c. *Trial Balance*
8. When the item type is *Change Caption Based on Account Period*, possible values for this column are the following:
 - a. *Account Period Column Header 1*
 - b. *Account Period Column Header 2*
 - c. *Caption*
9. When the item type is *Change Caption Based on Value*, possible values for this column are the following:
 - a. *Mixed Caption*
 - b. *Negative Caption*
 - c. *Positive Caption*
10. When the item type is *Change Caption Based on Append*, possible values for this column are the following:
 - a. *Caption*
 - b. *Last Separator*
 - c. *Mixed Caption*

- d. *Negative Caption*
 - e. *Positive Caption*
 - f. *Selected Item Children*
 - g. *Separator*
11. When the item type is *Change Caption Based on Data Point*, the value for this column is:
- a. *Caption*
12. When the item type is *Add Period*, possible values for this column are the following:
- a. *Display*
 - b. *Period Type*
13. When the item type is *Edit Period*, possible values for this column are the following:
- a. *Display*
 - b. *Period Type*
14. When the item type is *Add Language*, the value for this column is:
- a. *Language*
15. When the item type is *Edit Footnote Legend*, possible values for this column are the following:
- a. *Auto Symbol Order*
 - b. *Auto Symbol Pattern*
 - c. *Placement*

16. When the item type is *Add Custom Section* or *Edit Custom Section*, possible values for this column are the following:

- a. *Class Assignment/Behavior*
- b. *Custom Section Name*

G. **Before**

1. Displays the item information before the edit took place.
 - a. To drill down on certain item levels, a greater-than symbol (>) is used to designate a separation between the item details.

H. **After**

1. Displays the item information after the addition or edit took place.
 - a. To drill down on certain item levels, a greater-than symbol (>) is used to designate a separation between the item details.

2. A button to open the Financial Statement Template Audit Report (📄) was added on the **Financial Statement Templates** tab of the **Financial Workbook Templates** page.

Note:

The new *Open Financial Statement Template Audit Report Page* user right is required to use this button. If a user does not have this right, the button will be disabled, such that the user cannot click it.

- a. Clicking the button causes the new **Financial Statement Template Audit Report** page to open.
 - i. When the page is opened, the **Complex**, **Workbook Template** and **Financial Statement Template** drop-down lists in the **Report Result Filters** group box will be pre-populated to reflect the properties of the currently-selected financial statement template.

Additional Information

The Financial Statement Template Audit Report will only return results for changes made to the **Financial Statement Templates** tab following update to version 2.2.0. All work completed in any prior version of ArcReporting will not be displayed in the report.

Process Changes

No changes to current processes are required.

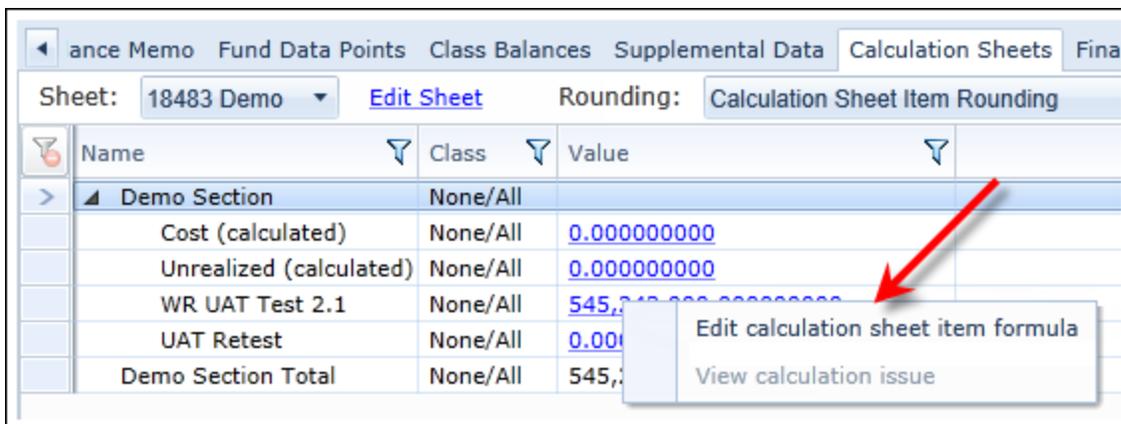
7. Ability to access and edit calculation sheet item formulas from the Financial Workbook page

Overview

When reviewing financial data via the **Calculation Sheets** tab of the **Financial Workbook** page, users now have the ability to right-click the **Value** link associated with any given calculation sheet item to edit its underlying formula.

What's New

An **Edit calculation sheet item formula** selection was added to the context menu that displays when a user right-clicks an item in the grid on the **Calculation Sheets** tab of the **Financial Workbook** page.



The screenshot shows the 'Calculation Sheets' tab in the Financial Workbook. The grid has columns for Name, Class, and Value. A right-click context menu is open over the 'Value' column, showing two options: 'Edit calculation sheet item formula' and 'View calculation issue'. A red arrow points to the 'Edit calculation sheet item formula' option.

Name	Class	Value
Demo Section	None/All	
Cost (calculated)	None/All	0.000000000
Unrealized (calculated)	None/All	0.000000000
WR UAT Test 2.1	None/All	545,210,000.000000000
UAT Retest	None/All	0.000000000
Demo Section Total	None/All	545,210,000.000000000

1. When the user selects **Edit calculation sheet item formula** from the right-click context menu, the **Edit Calculation Sheet Item** dialogue displays, wherein the user can make edits to the item.

Note:

- The **Open Financial Statement Templates Page** user right is required to make edits via the **Edit Calculation Sheet Item** dialogue. If a user does not have this right, the dialogue will display, but all controls thereon will be disabled.
- The **Adjust Absolute Value Settings** user right is required to select/clear the absolute value check box (|x|) for any given formula element on the **Edit Calculation Sheet Item** dialogue. If a user does not have this right, the check box(es) in the grid will be disabled.

2. After saving changes to a calculation sheet item's formula, the workbook is placed in a *Not Calculated* state. Once the user subsequently recalculates the workbook, the result of the formula update is reflected in the calculation sheet values.

Process Changes

No changes to current processes are required.

8. Financial Workbook page usability enhancements

Overview

When previewing financial data via any of the various tabs on the **Financial Workbook** page, the last view a user defines on any given tab is retained when switching tabs.

What's New

1. **Trial Balance**-type tabs
 - a. If a user expands a section, sub-section or item, the current view will be maintained if the user either switches rounding levels or goes to another tab in the workbook and then returns to the trial balance tab.
 - i. If a user changes the **Class** drop-down list selection, the expanded state of any sections/sub-sections/items will not be maintained.
2. **Fund Data Points**, **Class Balances** and **Supplemental Data** tabs
 - a. If a user changes the **Rounding** drop-down list selection on a given tab, the current view for the tab will be maintained if the user goes to another tab in the workbook and then returns to that tab.
3. **Calculation Sheets** tab
 - a. If a user expands a section, the current view will be maintained if the user either changes the **Rounding** drop-down list selection or goes to another tab in the workbook and then returns to the **Calculation Sheets** tab.
4. **Financials** tab
 - a. If a user specifies selections for the **Project**, **Language** and **Statement** drop-down lists, the specified selections will be maintained if the user goes to another tab in the workbook and then returns to the **Financials** tab.
5. **Proofing** tab
 - a. If a user specifies a selection for the **Status** drop-down list and/or expands a proof, the current view will be maintained if the user goes to another tab in the workbook and then returns to the **Proofing** tab.

6. **Reasonability Checks** tab

- a. If a user specifies a selection for the **Status** drop-down list and/or selects or clears the **Reviewed** check box for a given reasonability check and subsequently saves changes, the current view will be maintained if the user goes to another tab in the workbook and then returns to the **Reasonability Checks** tab.

Additional Information

If a user changes a selection for the **Account Period**, **Complex**, **Fund Group** and/or **Fund** drop-down lists at the top of the **Financial Workbook** page, none of the current views will be maintained; all views will be reverted to their default state.

Process Changes

No changes to current processes are required.

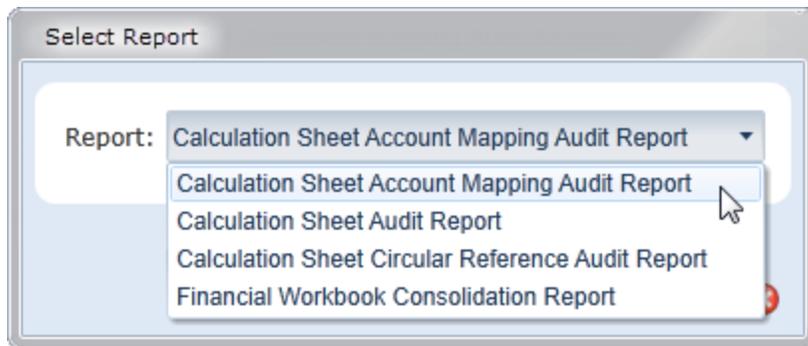
9. Calculation Sheet Account Mapping Audit Report

Overview

The ability to export a Calculation Sheet Account Mapping Audit Report in Excel format was added to the **Calculation Sheets** tab of the **Financial Workbook** page. The report offers information pertaining to where each line item is mapped and (if applicable) the child(ren) of each item, down to 5 levels.

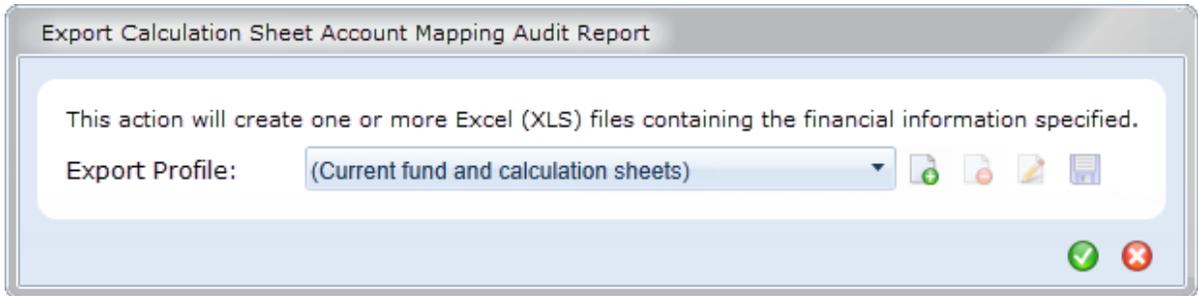
What's New

The button at lower-right of the **Calculation Sheets** tab of the **Financial Workbook** page formerly used to generate a Calculation Sheet Audit Report (📄) was replaced with a more versatile **Generate reports** button (📄), which allows users to produce one of several different financial reports by means of the new **Select Report** dialogue that displays.

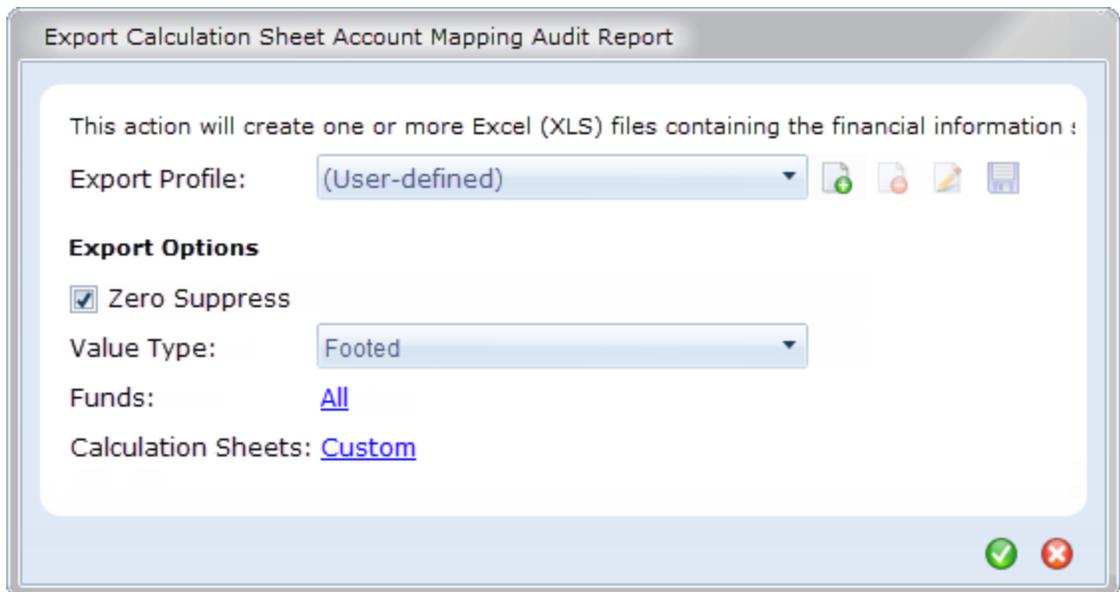


Available reports include the existing Calculation Sheet Audit Report, the existing Calculation Sheet Circular Reference Audit Report (formerly generated via the **Calculation Sheets** tab of the **Financial Workbook Templates** page), a new Financial Workbook Consolidation Report (see the **Consolidated financial workbook calculations** section on page 197 of this document for more details) and the new Calculation Sheet Account Mapping Audit Report.

1. When the user selects the Calculation Sheet Account Mapping Audit Report, a dialogue displays that allows the user to specify an export profile and generate an export file in Excel (XLS) format.

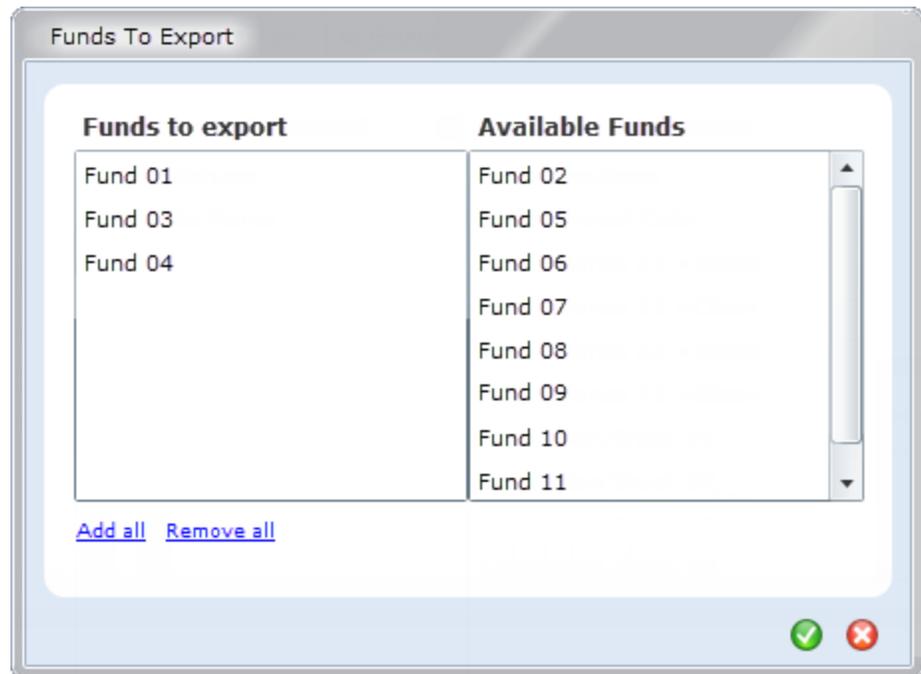


- a. The default export profile option is *(Current fund and calculation sheets)*. This option allows the user to export all the calculation sheets contained in the financial workbook template associated with the Financial Workbook.
- b. The user can specify the *(User-defined)* option to generate an "on-the-fly" (*i.e.*, one-time-use) export.



- i. When the *(User-defined)* option is specified, the user can also enable the ability to "Zero Suppress" any line item that has a zero value.
 - A. If the user selects the *Zero Suppress* check box option, they can specify the *Value Type* (*Footed*, *Raw* or *Rounded*) upon which the suppression logic will be based.

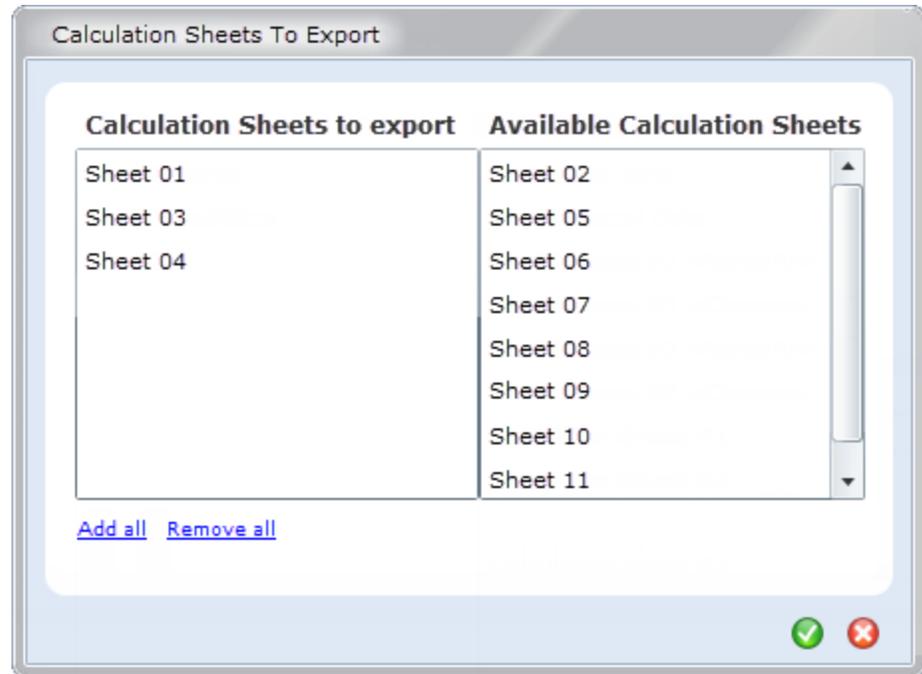
- ii. By default, the current workbook fund and calculation sheets associated with the financial statement template for the current financial workbook will be exported, however the user can click the respective links at right of the **Funds** and **Calculation Sheets** labels to specify some subset of funds and/or calculation sheets.
 - A. When the link at right of **Funds** label is clicked, the **Funds to Export** dialogue displays.



1. The **Available Funds** list box at right of the dialogue contains a listing of all the available funds associated with the financial statement template for the current financial workbook. The user can drag-and-drop the desired fund(s) from the **Available Funds** pane to the **Funds to export** pane at left.
 - a. Only the fund(s) added to the left pane of the dialogue will be contained in the export file.
2. Once the user has selected the desired fund(s) to export and clicks the **Accept** button (✓) at lower-right of the dialogue, the text of the link at right of the **Funds**

label changes to *Custom* to alert the user that some subset of funds (not all) have been chosen for export.

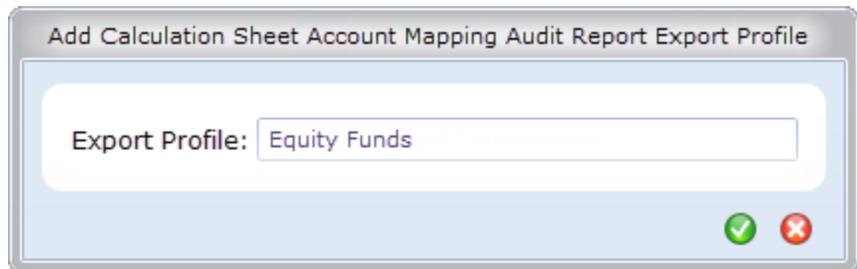
- B. When the link at right of the *Calculation Sheets* label is clicked, the **Calculation Sheets to Export** dialogue displays.



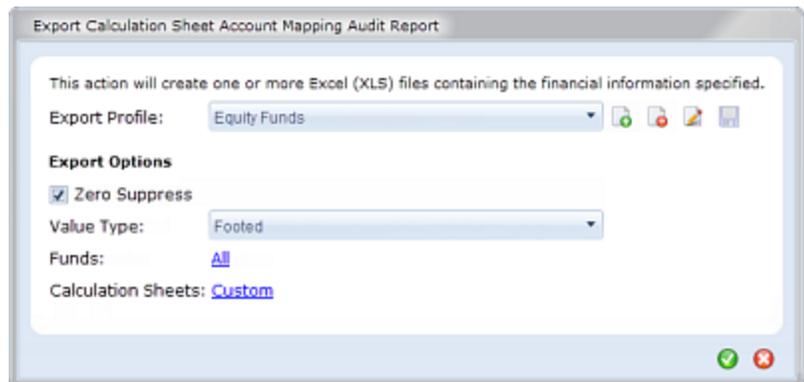
1. The *Available Calculation Sheets* list box at right of the dialogue contains a listing of all the available calculation sheets associated with the financial statement template for the current financial workbook. The user can drag-and-drop the desired sheet(s) from the *Available Calculation Sheets* pane to the *Calculation Sheets to export* pane at left.
 - a. Only the calculation sheet(s) added to the left pane of the dialogue will be contained in the export file.
2. Once the user has selected the desired calculation sheet(s) to export and clicks the *Accept* button (✓) at lower-right of the dialogue, the text of the link at right of

the **Calculation Sheets** label changes to **Custom** to alert the user that some subset of calculation sheets (not all) have been chosen for export.

- C. Any predefined export profiles created by the current user or other users will also be available for selection in the **Export Profile** drop-down list.
- D. Users that are granted the new **Add/Edit/Delete Calculation Sheet Account Mapping Audit Report Export Profiles** user right can create new export profiles and manage those and other existing profiles by means of the **Add**, **Delete**, **Edit** and **Save** buttons at right of the **Export Profile** drop-down list.
 1. A user can click the **Add** button (📄) to create a new export profile that will be saved and available for future use.



- a. The user first provides a unique name for the profile.
- b. The user then specifies the fund(s) and calculation sheet(s) they would like to be part of the custom export.



2. When any user-created export profile is selected in the drop-down list, users can click the **Delete** button (🗑️) to delete that profile.
 3. When any user-created export profile is selected in the drop-down list, users can click the **Edit** button (✏️) to edit the name of the profile.
 - a. Users can also change the other properties of an existing user-created export profile (without the need to click the **Edit** button) by means of their respective drop-down lists and links.
 4. When a new export profile is being created, or when any 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.
2. When the user clicks the **Accept** button (✅) at lower-right of the **Export Calculation Sheet Account Mapping Audit Report** dialogue the export process begins, 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.
 3. The export will produce one ZIP archive that contains one Excel (XLS) file for each fund selected for export. Each Excel file contains one worksheet (tab) for every calculation sheet specified for export.
 - a. The Excel file name contains the fund code to better identify each calculation sheet if the user selects multiple funds on export.
 - b. The Excel file for each fund contains the following information:
 - i. A header section on each worksheet that indicates information pertaining to the report for the fund and calculation sheet:
 - A. **Report Date**
 1. Displays the date and time the audit report was run.
 - B. **Generated By**
 1. Displays the name of the user who ran the audit report.

C. **Complex**

1. Displays the name of the complex with which the fund is associated.

D. **Fund Group**

1. Displays the name of the fund group with which the fund is associated.

E. **Fund**

1. Displays the name of the fund with which the data is associated.

F. **Financial Workbook**

1. Displays either the name of the financial workbook with which the calculation sheet is associated.

G. **Calculation Sheet**

1. Displays either the name of the calculation sheet with which the data is associated.

H. **Account Period**

1. Displays the account period specified in the fund selection bar at the time the report was generated.

ii. The audit report for each calculation sheet contains 13 columns of detail.

A. Column A - **Line Item**

1. This column displays the calculation sheet name in the header and each line item from the calculation sheet.

B. Column B - **Item Origin**

1. This column displays the Item origin of the calculation sheet item.

C. Column C - **Mapping Level**

1. This column displays the mapping level down to five levels.
 - a. Level 1 is the direct mapping of the calculation sheet line item.
 - b. If Level 1 returns a trial balance item, trial balance sub-section item, or another calculation sheet item, Level 2 will be displayed.
 - i. For the trial balance item and trial balance sub-section item, it displays the underlying trial balance account information and stop.
 - ii. If Level 2 returns another calculation sheet item, the above steps will be repeated down to level 5.
 - A. The report will stop at the level that returns a holdings, portfolio statement template, supplemental data, class balance, fund balance, constant value or days in period.

D. Column D - **Item Name**

1. This column displays the **Item Origin** name and account information, if applicable.

E. Column E - **Beginning Balance**

1. This column contains the beginning balance, if applicable, for each Item origin.

F. Column F - **Ending Balance (Raw)**

1. This column contains the ending balance (raw) value for each of the line items.

G. Column G - **Ending Balance (Rounded)**

1. This column contains the ending balance (rounded) value for each of the line items.

H. Column H - **Ending Balance (Footed)**

1. This column contains the ending balance (footed) value for each of the line items.

I. Column I - **Operator**

1. This column contains the operator from the calculation sheet item.

J. Column J - **Account Period**

1. This column contains the account period from the calculation sheet item.

K. Column K - **Class Code/Currency Code**

1. This column contains the class/currency code from the calculation sheet item setting or from the repeat group in a repeat by currency or repeat by class scenario.

L. Column L - **Conditional Value**

1. This column contains whether or not a calculation sheet type is set to **Conditional Value** and whether the item name is the **True** return value or the **False** return value.
2. If the **Item Origin** is not a **Calculation Sheet** or calculation sheet type **Conditional Value**, the column displays **N/A**.
3. If the **Item Origin** is a **Conditional Value** calculation sheet, the column displays **True** if the **Item Name** is the true return value or **False** if the **Item Name** is the false return value.

M. Column M - **Consolidation Source**

1. This column displays the value contained within the **Consolidation Source** drop-down list for trial balance and holding items.

Process Changes

No changes to current processes are required.

10. Ability to break out line items greater than n%

Overview

ArcReporting was enhanced to allow a user to designate certain financial statement line items in a section to remain broken out based on a designated percentage. Items that are less than the designated percentage will be reclassified to another financial statement line item in the section specified by the user.

What's New

For calculation sheet sections that have the **Calculate Total** option selected, a new **Breakout** tab is now available on the **Edit Item Details** pop-up dialogue (invoked by clicking the **Edit** button (🔍) for the section via the **Financial Workbook Templates** page).

Edit Item Details

Financial Statement Template Item

Column: 1

Selected Item : **Expenses**

Item Type : **Calculation Sheet Section**

Item Origin : **SOP - Global Long Short**

Class Assignment/Behavior Sorting Breakout

Section Item	Apply to Breakout
> Advisory fees	<input type="checkbox"/>
Administrative fees	<input type="checkbox"/>
12b-1 fees	<input type="checkbox"/>
Legal fees	<input type="checkbox"/>
Trustee fees	<input type="checkbox"/>
Dividends or interest on securities sold short	<input type="checkbox"/>
Short holdings borrowing fees	<input type="checkbox"/>

[Select all](#) [Clear all](#)

Reclass items not broken out to the item

Reclass individual items whose total value is less than % of the Section Total

1. The tab displays each item within the section.
 - a. The user can designate which items will participate in the breakout evaluation by selecting the corresponding check box(es) in the **Apply to Breakout** column.
 - i. The items selected may or may not be displayed on output, depending on the percentage value specified.
 - ii. If the check box for a given item is not selected it will be displayed in output.

- b. The user also designates an item to which items participating in the breakout evaluation will be reclassified, if their value is less than the specified percentage value.
 - i. The user makes this designation via the drop-down list beneath the grid on the tab.

Note:

Only items that do not have the **Apply to Breakout** check box selected are available in the drop-down list.

- c. Lastly, the user must specify a percentage value upon which to base the breakout evaluation.
 - i. Any items that have the **Apply to Breakout** check box selected, whose total value is less than the specified percentage, will be reclassified to the designated item.
 - ii. The user can specify a percentage value from **0.00** to **100.00** in the spinner box.
2. Once the user has defined settings on the **Breakout** tab for a given section in a financial statement template, they can preview the evaluation results via the **Components** tab of the **Project** page for that financial statement.

Note:

The "Breakout" evaluation will only be displayed in the **Project** page; the structure displayed on the **Financial Statement Templates** tab of the **Financial Workbook Templates** page does not reflect the reclasses, if any, and continues to display all the template section items broken out, as in previous versions of ArcReporting.

Additional Information

- The **Breakout** tab and associated functionality is only available for calculation sheet sections having the **Calculate Total** option selected; the tab is disabled for calculation sheet sections without the **Calculate Total** option selected.
- The user must select the **Zero Suppression** check box option via the **Financial Statement Template Output Settings** page for the line items to which the breakout functionality was applied, for them to be suppressed in statement output. If the user does not select the **Zero Suppression** option, the line items that were reclassified will still display in statement output with a value of **0**.

- If the financial statement is defined as a spread, the breakout functionality evaluates all the funds in the spread to determine which line items should remain broken out and which items will be reclassified.

Example:

If a spread has two funds and only one of the fund's line items meets the criteria to be broken out, then that line item will remain broken out for both funds in the financial statement output.

Process Changes

No changes to current processes are required.

11. Project Locking Audit Report enhancements

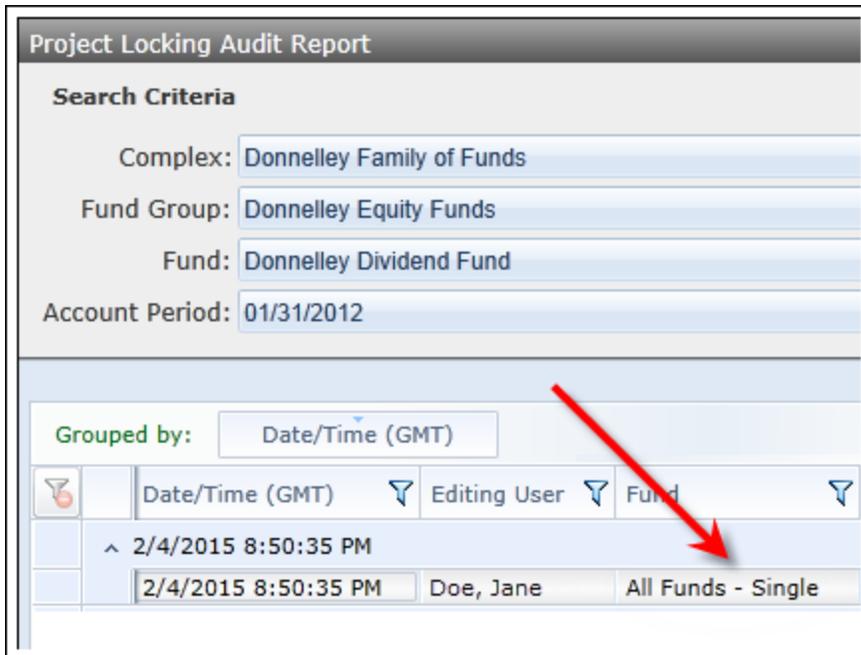
Overview

The Project Locking Audit Report was enhanced to display only one line on the report when a user locks/unlocks a given chapter set to *All Funds - Single*.

What's New

In ArcReporting version 2.1.0, the functionality to lock/unlock a project and its components was added, along with a Project Locking Audit Report to track changes. When a user locked/unlocked a chapter that was set to *All Funds - Single*, the audit report would display a line item for all the funds that were part of that chapter. In version 2.2.0, the Project Locking Audit Report was enhanced to only display one line on the report for chapters set to *All Funds - Single*.

When a user locks/unlocks a chapter set to *All Funds - Single*, the **Fund** column in the audit report now displays *All Funds - Single*.



Project Locking Audit Report

Search Criteria

Complex: Donnelley Family of Funds

Fund Group: Donnelley Equity Funds

Fund: Donnelley Dividend Fund

Account Period: 01/31/2012

Grouped by: Date/Time (GMT)

Date/Time (GMT)	Editing User	Fund
2/4/2015 8:50:35 PM	Doe, Jane	All Funds - Single

Process Changes

No changes to current processes are required.

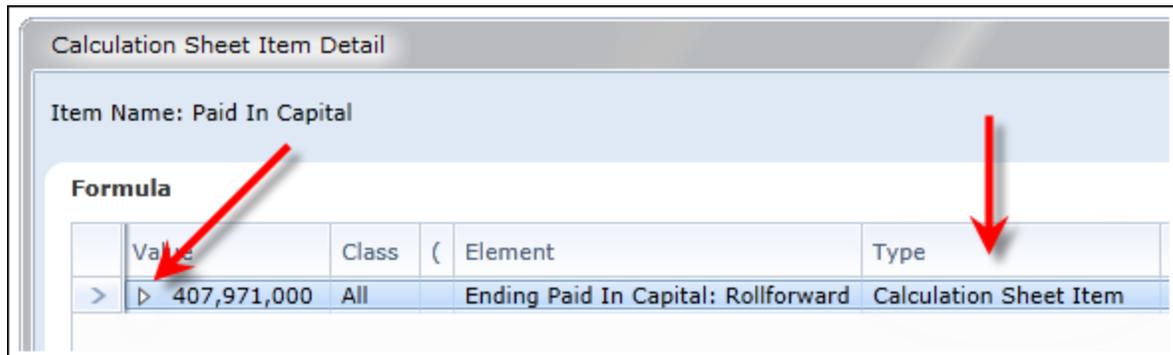
12. Ability to drill down to account level for calculation sheets in a financial workbook

Overview

ArcReporting was enhanced to allow a user to drill down to the account level for calculation sheet items that are linked to other calculation sheets in a financial workbook. The user can now also right-click account-level items (*i.e.*, *Trial Balance Account*, *Fund Data Point*, *Class Balance* or *Supplemental Data*) and be taken to the appropriate user interface to make edits.

What's New

When a user previews data via the **Calculation Sheets** tab of the **Financial Workbook** page and clicks the blue value link, a pop-up dialogue displays that lists the underlying items making up that value. Now, an expand arrow was added to rows in the formula grid representing items of type *Calculation Sheet Item*.



1. Expanding a given row in the grid allows the user to view the next level of mapping for the item, all the way down to the account level.

Calculation Sheet Item Detail

Item Name: Paid In Capital

Formula

	Value	Class (Element	Type
>	▲ 407,971,000	All	Ending Paid In Capital: Rollforv	Calculation Sheet Item
	▲ .000000	All	Beginning Paid In Capital: Rollf	Calculation Sheet Item
	.000000	All	Beginning Capital: Equity: Tria	Trial Balance Item
	▲ 407,971,000	All	Current Year Activity: Rollforw	Calculation Sheet Item
	407,971,000	All	Total Capital Changes: Trial Ba	Trial Balance Sub Section

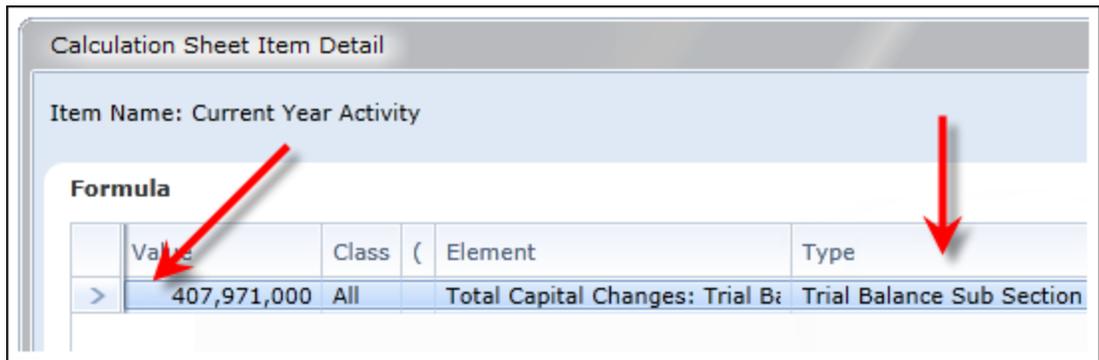
- a. If the first level of mapping has a **Type** value of *Trial Balance Account*, *Fund Data Point*, *Class Balance* or *Supplemental Data*, the expand arrow is not available.

Calculation Sheet Item Detail

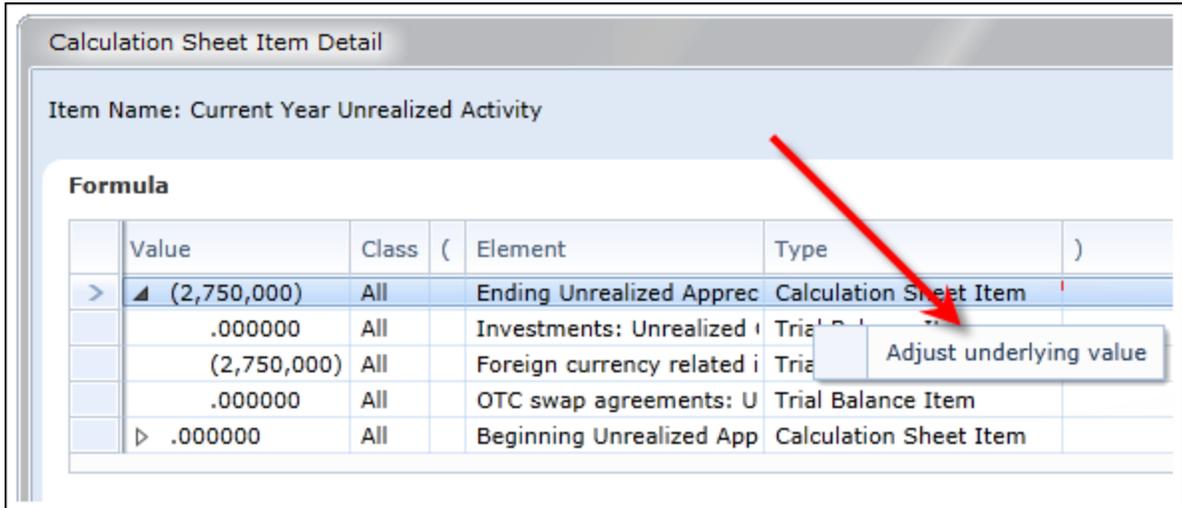
Item Name: Current Year Activity

Formula

	Value	Class (Element	Type
>	407,971,000	All	Total Capital Changes: Trial B	Trial Balance Sub Section



2. Users can now right-click the account-level item and select *Adjust underlying value* from the context menu that displays.



- a. When the user selects the new option, they will be taken to the appropriate user interface to make adjustments, based on the data type.
 - i. For trial balance accounts, the **Manual Journal Entry** dialogue displays.
 - ii. For fund data points, the *Fund Data Points* tab of the **Financial Workbook** page is brought into focus.
 - iii. For class balances, the *Class Balances* tab of the **Financial Workbook** page is brought into focus.
 - iv. For supplemental data items, the *Supplemental Data* tab of the **Financial Workbook** page is brought into focus.
- b. If the user makes an adjustment to one or more accounts, the workbook is automatically put in a *Not Calculated* state and the user must recalculate the workbook before the adjustments will be applied.

Process Changes

No changes to current processes are required.

13. Ability to apply a document structure template assigned to one reporting cycle to other cycles

Overview

For project templates set up for more than one reporting cycle, users can now assign a document structure template to one cycle and then apply that template to one or more other cycles defined in the template. When a project template utilizes this functionality, the structure and settings defined on the **Contents** tab of the **Project Templates** page are applied at once to all the reporting cycles using the same document structure template.

What's New

In previous versions of ArcReporting, users were required to designate a document structure template for each reporting cycle in a multi-cycle project template via the **Settings** tab of the **Project Templates** page. ArcReporting also created chapter structures and associated settings for each reporting cycle on the **Contents** tab of the page, which users had to maintain independently, even if two or more cycles used the same document structure template. Now, users can designate one document structure template for a given reporting period and apply it to other reporting cycles in the project template. Doing so causes just one chapter structure to be created for all the participating cycles.

1. A series of **Apply to** check boxes was added to the **Settings** tab of the **Project Templates** page.

Document Structure Templates	
Assigned Document Structure Template(s)	Available Document Structure Templates
Annual: <input type="text" value="Donnelley Global Long Short Credit Fund"/> Apply to: <input checked="" type="checkbox"/> Semi-Annual <input type="checkbox"/> Quarterly	<input type="text" value="Donnelley Funds Template"/> <input type="text" value="Donnelley Global Long Short Credit Fund"/> <input type="text" value="MRFP - Donnelley Dividend Fund"/>
Semi-Annual: <input type="text"/>	
Quarterly: <input type="text" value="Donnelley Funds Template"/>	

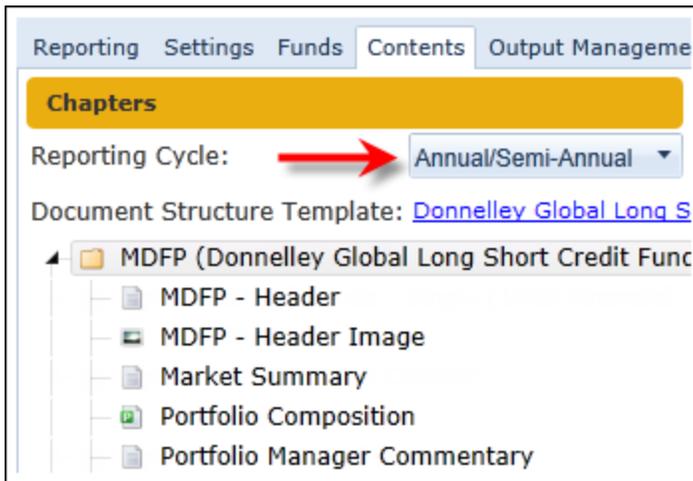
- a. After specifying a document structure template for the root reporting cycle, the user can apply the same template to other reporting cycles by selecting the **Apply to** check box corresponding to each.

- i. Once a user selects this option for a given reporting cycle, they cannot drag-and-drop a distinct document structure template into the box on the tab corresponding to that cycle; the user may drag-and-drop a distinct document structure template to the box on the tab corresponding to any reporting cycle for which the **Apply to** check box is not selected.

Note:

If a user wants to remove the root reporting cycle (*Annual*, in the example above) from a project template, but has selected the **Apply to** check box option for other reporting cycles within the project, they will be prompted to clear the **Apply to** option for the other reporting cycles before they can remove the root cycle.

2. If the same document structure template is applied to multiple reporting cycles in a given project template, the **Reporting Cycle** drop-down list on the **Contents** tab of the **Project Templates** page now reflects the reporting cycles as one option, such that the user only needs to maintain one set of chapters and settings for all the participating cycles.



Note:

If the user does not select the **Apply to** check box for other reporting cycles via the **Settings** tab, but does specify the same document structure template for multiple cycles, the **Reporting Cycle** drop-down list on the **Contents** tab will display a selection for each reporting cycle, as in previous versions of ArcReporting.

Document Structure Templates

<p>Assigned Document Structure Template(s)</p> <p>Annual: <input type="text" value="Donnelley Global Long Short Credit Fund"/></p> <p>Apply to: <input type="checkbox"/> Semi-Annual <input type="checkbox"/> Quarterly</p> <p>Semi-Annual: <input type="text" value="Donnelley Global Long Short Credit Fund"/></p> <p>Quarterly: <input type="text"/></p>	<p>Available Document Structure Templates</p> <div style="border: 1px solid gray; padding: 2px;"> <p>Donnelley Funds Template</p> <p>Donnelley Global Long Short Credit Fund</p> <p>MRFP - Donnelley Dividend Fund</p> </div>
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Chapters

Reporting Cycle: →

Annual

Annual

Semi-Annual

Document Structure Template:

- ▶ MDFP (Donnelley Global)
 - ▶ MDFP - Header
 - ▶ MDFP - Header Image
 - ▶ Market Summary
 - ▶ Portfolio Composition
 - ▶ Portfolio Manager Commentary

Process Changes

No changes to current processes are required.

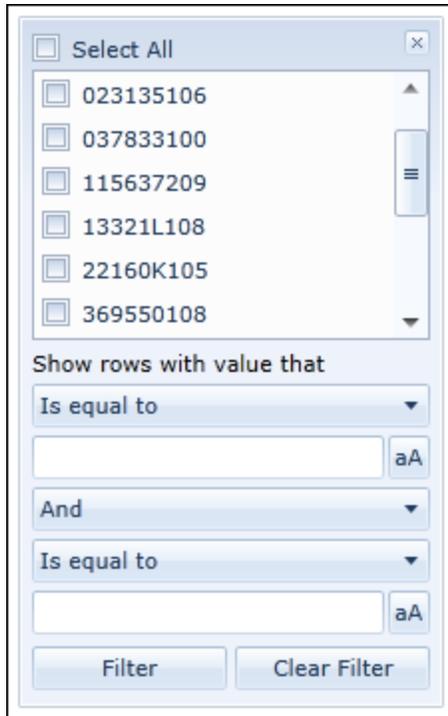
14. Footnote Preview and Assignment page usability enhancements

Overview

The **Footnote Preview and Assignment** page was enhanced to provide users with additional security identifier information, filters on grid columns and the ability to apply footnotes to multiple securities at once.

What's New

1. A **Master Identifier** column was added at right of the existing **Applied To** column in the grid on the **Footnote Preview and Assignment** page. The new column contains the Master Identifier value associated with each security record displayed on the page.
2. Column filtering controls were added to the static **Footnote Display Code** and **Applied To** columns in the grid on the **Footnote Preview and Assignment** page. Filtering controls are also now available for each information column displayed on the page, based on the selected portfolio statement template.
 - a. To filter results for any information column, click the **Filter** button (🔽) located at right of each column header.



- b. Distinct filters can be applied to multiple columns of the grid at once.
- 3. A **Clear all filters** button was added at upper-left of the grid on the **Footnote Preview and Assignment** page. Clicking the button removes all currently-applied column filters, such that all statement line items display in the grid.

	Footnote D 	Applied To 	Master Identifier 			
>	NonIncome	Caption	023135106	Amazon.com, Inc.*	450	139,657
	NonIncome	Caption	375558103	Gilead Sciences, Inc.*	2,013	189,745
	NonIncome	Caption	92532F100	Vertex Pharmaceuticals, Inc. *	1,350	160,380
	NonIncome	Caption	452327109	Illumina, Inc. *	787	145,265
	NonIncome	Caption	38259P508	Google, Inc. Class A*	480	254,717

Note:

The **Clear all filters** button is only enabled when a filter is currently applied to one or more grid columns.

4. An *Assign footnote(s)* right-click context menu option was added to the statement grid on the **Footnote Preview and Assignment** page, with which users can apply one or more footnotes to a single or multiple statement line items.

Footnote Disp	Applied To	Master Identifier			
NonIncome, tf	Caption, Caption	76090H103	Restaurant Brands International LP *,1	147	5,510
> NonIncome, tf	Caption, Caption	76131D103	Restaurant Brands Internation	1,605	179,7
NonIncome, tf	Caption, Caption	023135106	Amazon Co., Inc.	100	9,6
NonIncome, tf	Capti		Ellie Mae, Inc.*	2,013	189,7
NonIncome, tf	Capti		Vertex Pharmaceuticals, Inc. *	1,350	160,3

Highlight security(ies) and right-click

Assign footnote(s)

- a. To select multiple, contiguous or noncontiguous line items in the grid, users can employ the following method:
 - i. Click and hold the `Ctrl` key.
 - ii. Select the other items by clicking each, in turn, with the left mouse button.
- b. To select multiple, contiguous line items in the grid, users can carry out the following steps:
 - i. Select the first item in the set by clicking it with the left mouse button.
 - ii. Click and hold the `Shift` key.
 - iii. Select the other items in the set by one of the following means:
 - A. Strike the `Up` or `Down` arrow key to select each additional item in the set, one-by-one, until the last is selected.
 - B. Select the last item in the set by clicking it with the left mouse button.

- c. When the user selects the **Assign footnote(s)** option from the context menu, the **Assign Footnote(s)** pop-up dialogue displays.

		Display Code	Footnote Name
>	<input checked="" type="checkbox"/>	144a	144a
	<input checked="" type="checkbox"/>	Affiliated	Affiliated
	<input type="checkbox"/>	Caption	Caption Footnote
	<input type="checkbox"/>	Illiquid	Illiquid Security
	<input type="checkbox"/>	LH	Limit Holdings
	<input type="checkbox"/>	NI	Non-Income

[Select all](#) [Clear all](#)

Apply To:

- i. The user selects the check box corresponding to each footnote to be applied to the selected line item(s).
- ii. The user specifies the field to which the selected footnote(s) will be applied via the **Apply To** drop-down list at the bottom of the dialogue.
- A. The default selection of the drop-down list is *Caption*.

Additional Information

- If any given footnote selected for application via the Assign Footnote(s) dialogue is already attached to one or more of the selected statement line items, the footnote assignment will not be duplicated.

- Any new footnotes applied to statement line items will be appended to existing footnotes (*i.e.*, existing footnotes on any given statement line item are retained).

Process Changes

No changes to current processes are required.

15. Portfolio statement circular reference report and enhanced "Other Assets" item mapping

Overview

Users with appropriate rights can now map calculation sheet items of types other than *Other Assets* to a portfolio statement template *Other Assets* line item. A new circular reference report is also now available, to help users identify any potential circular references created by mapping holdings data back to the portfolio statement from a financial workbook calculation sheet item.

What's New

1. An *Add Conditional Value Items to Other Assets* user right was added as a child to the existing *Open Portfolio Statement Templates Page (ArcReporting)* user right.
 - a. A user having this new right will be allowed to map calculation sheet items of type *Financial Workbook* to an *Other Assets* line item in a portfolio statement template.
2. An *Add Financial Workbook Items to Other Assets* user right was added as a child to the existing *Open Portfolio Statement Templates Page (ArcReporting)* user right.
 - a. A user having this new right will be allowed to map calculation sheet items of type *Conditional Value* to an *Other Assets* line item in a portfolio statement template.
3. A **Portfolio statement template circular reference audit report** button (📄) was added at lower-left of the **Statement Detail** tab of the **Portfolio Statement Templates** page, at right of the existing **Move item down** button.
 - a. When a user clicks the export button, a pop-up confirmation dialogue displays, asking whether they wish to generate a report containing circular references.
 - i. If the user clicks the **Yes** button on the dialogue, a second message displays, informing them that the request has been sent to the Output Queue, where the report can be retrieved once the export is complete.

- b. One Excel (XLS) file will be created that contains one worksheet tab containing all circular reference data for the portfolio statement template.

Note:

- An *Other Assets* item is considered to have a circular reference if it is pulling from a holdings-based calculation sheet item or references (somewhere in its formula hierarchy) another holdings-based calculation sheet item.
 - A holdings-based calculation sheet item is one that is of type *Portfolio Statement Definition* or *Holdings*.

Example:

Other Assets item mapped to *Calc Sheet Item 1* (Type: Financial Workbook) with a formula detail of *Calc Sheet Item 2* (Type: Financial Workbook) with a formula detail of *Calc Sheet Item 3* (Type: Holdings).

- If no circular references are found in the selected portfolio statement template, the message (*no circular references were found*) displays in the output file.

Additional Information

If any circular references are found during calculation of portfolio statement values, informational text indicating as much is displayed in red beneath the *Template* link on the *Components* tab of the **Project** page.

Note:

When a circular reference is found within an *Other Assets* line item, the calculation engine will return a value of *0.00* (i.e., it will not stop the calculation).

Process Changes

No changes to current processes are required.

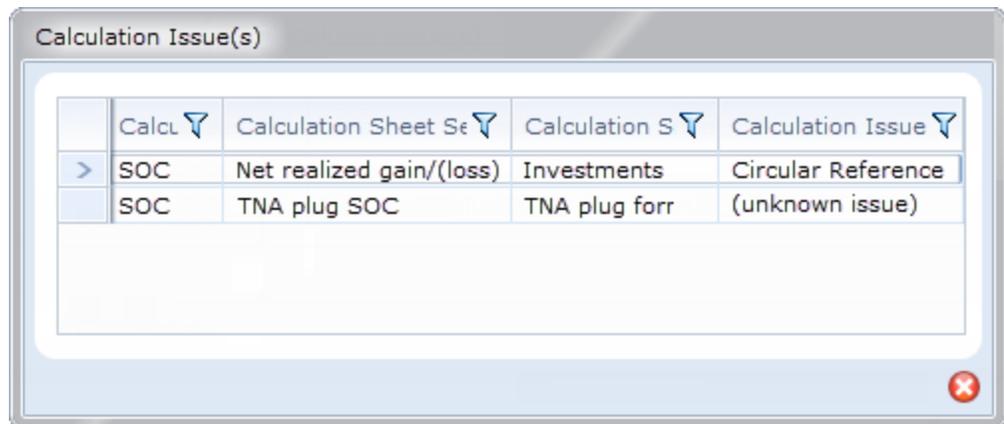
16. Real time financial workbook calculation engine issue notification

Overview

In previous versions of ArcReporting, a status of *Not Calculated* was returned on the **Financial Workbook** page if any issues/errors were encountered when the calculation engine ran. Users are now notified in real time of any such issues by means of more meaningful visual cues in the user interface and through detailed error reports.

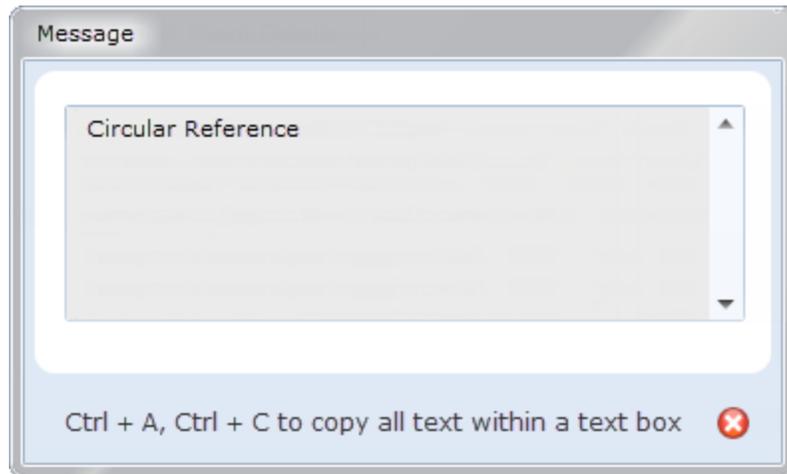
What's New

1. If issues are found during the data calculation process on the **Financial Workbook** page, the **Calculate workbook** button image () changes to a version with a red exclamation mark at upper-right ().
 - a. Right-clicking the button presents a **View calculation issues** option in a context menu.
 - i. Selecting this option causes a **Calculation Issue(s)** pop-up dialogue to display.



- A. A grid on the dialogue lists any calculation issues found.
- B. The following columns display in the grid:
 - 1. **Calculation Sheet**
 - a. Displays the name of the calculation sheet on which the item with the issue resides.
 - 2. **Calculation Sheet Section**
 - a. Displays the name of the calculation sheet section in which the item with the issue resides.
 - 3. **Calculation Sheet Item**
 - a. Displays the name of the calculation sheet item with the issue.
 - 4. **Calculation Issue**
 - a. Displays one of the following values, dependent on the type of issue found:
 - i. *(unknown issue)*
 - A. This value displays for any calculation issue that has not yet been specifically identified by the RRD Development team and accounted for with a corresponding **Calculation Issue** category/label.
 - ii. *Circular Reference*
 - A. This value displays for circular reference issues.
- C. Double-clicking a given row in the grid causes the following to occur:
 - 1. The **Calculation Issue(s)** dialogue closes.
 - 2. The **Financial Workbook Templates** page opens, with the **Calculation Sheets** tab in focus, the identified calculation sheet selection specified in the **Sheet** drop-down list, and the identified calculation sheet item selected in the tree view.

2. If one or more issues exist for data displayed on the **Calculation Sheets** tab of the **Financial Workbook** page, grid rows that represent the affected calculation sheet line items display with a red background color.
 - a. Right-clicking a calculation sheet item row with a red background color presents a **View calculation issue** option in a context menu.
 - i. Selecting this option causes a **Message** pop-up dialogue to display for the item.



- A. A read-only multi-line text box on the dialogue displays details regarding the underlying calculation issue.
 1. Although the text box is read-only, it is still scrollable and the user can select the contents thereof for purposes of copy/paste operations.

Additional Information

If any errors are found during calculation of financial statement values on the **Project** page, the following informational text is displayed in red beneath the **Financial Workbook** clickable link on the **Components** tab of that page for the financial statement in question:

*Calculation errors found. Please review the **Financial Workbook** page for more information.*

Process Changes

No changes to current processes are required.

17. Consolidated financial workbook calculations

Overview

Users can now create consolidated financial statements using functionality on the **Fund Relationships** page and enhancements to the **Financial Workbook Templates** page. A setup of this type will autosum the underlying trial balance of a parent company and its subsidiaries.

What's New

1. A **Consolidated workbook** check box is now displayed beneath the **Auto reclass items during first calculation** check box on the **Settings** tab of the **Financial Workbook Templates** page.

Note:

This setting was added to the financial statement template import and export files.

2. For financial workbook templates designated as a **Consolidated workbook**, a **Consolidation Source** drop-down list was added to the **Add Formula Element** dialogue for calculation sheet item formula elements of types **Trial Balance Definition**.

- a. Available selections are as follows, and in the following order:

- i. **Fund Balance** (default selection for new formula elements)

This is also the default selection when adding items via the drag-and-drop method.

- ii. **Fund and Child(ren) Balances**
- iii. **Child(ren) Balance(s)**

Note:

These selections allows users to make journal entries at both the fund and child levels.

3. A **Consolidation Source** column was added to the **Formula** grid of the **Add Calculation Sheet Item** dialogue (invoked via the **Calculation Sheets** tab of the **Financial Workbook Templates** page).
 - a. The column displays the **Consolidation Source** selection specified for formula elements of types **Trial Balance Definition**; the column is blank for formula elements of any other type.

Note:

- The default **Consolidation Source** setting for any trial balance item added to a calculation sheet item via drag-and-drop is **Fund Balance**.
- The **Consolidation Source** setting specified for any calculation sheet item added to a calculation sheet via drag-and-drop will remain as is.

4. The calculation engine of the **Financial Workbook** page now uses the following logic for trial balance and holdings items, based on the specified **Consolidation Source** drop-down list selection for any given item:
 - a. If **Fund Balance** is the specified **Consolidation Source**:
 - i. The line item will only consider the trial balance/holdings item mapped for the parent fund.
 - ii. Only the balance of the current fund will be taken.
 - A. If no relationship has been established for the current fund, the current fund balance will still be taken (*i.e.*, it will not stop the calculation).
 - b. If **Fund and Child(ren) Balances** is the specified **Consolidation Source**:
 - i. The line item will consider the trial balance item mapped for both parent and child funds (*i.e.*, add up parent and child balances).
 - ii. If a percentage allocation is set to a child fund via the **Fund Relationships** page, that allocation and the associated exchange rate will be applied to the figure that gets aggregated (in the workbook instance) with any parent fund.

Note:

With the 2.2.0 product release, all allocations will be **100%**.

- iii. If the exchange rate is set to **(none)**, the conversion should be seen as a 1-to-1 (*i.e.*, the same currency).

Note:

With the 2.2.0 product release, all exchange rates will be **(none)**.

- iv. All child fund balances will be calculated individually and then summed together with the parent fund's balance.
 - A. Child balances could be from multiple fund relationship types; there is no restriction on mixing fund relationship types when calculating.
 - B. If no relationship has been defined for the fund, only the trial balance of the current fund will be taken (*i.e.*, it will not stop the calculation).
 - C. If a fund relationship is changed, the historic values of closed account periods will not be affected.
- c. If *Child(ren) Balance(s)* is the specified **Consolidation Source**:
 - i. The line item will consider the trial balance item mapped for the child fund only.
 - ii. If a percentage allocation is set to a child fund via the **Fund Relationships** page, that allocation and the associated exchange rate will be applied to the figure that gets aggregated (in the workbook instance) with any parent fund.

Note:
With the 2.2.0 product release, all allocations will be *100%*.
 - iii. If the exchange rate is set to (*none*), the conversion should be seen as a 1-to-1 (*i.e.*, the same currency).

Note:
With the 2.2.0 product release, all exchange rates will be (*none*).
 - iv. All child fund balances will be calculated individually and then summed together, excluding the parent fund.
- d. The specified **Balance Type** will be respected, and all calculations/values displayed will only be from the specified balance type:
 - i. All balance types will look to the fund relationship defined for that account period.
 - ii. Different relationship setups cannot exist for the same account period, but different balance types.
- e. If no relationship has been defined for a given fund, a balance of *0.00* will be returned.

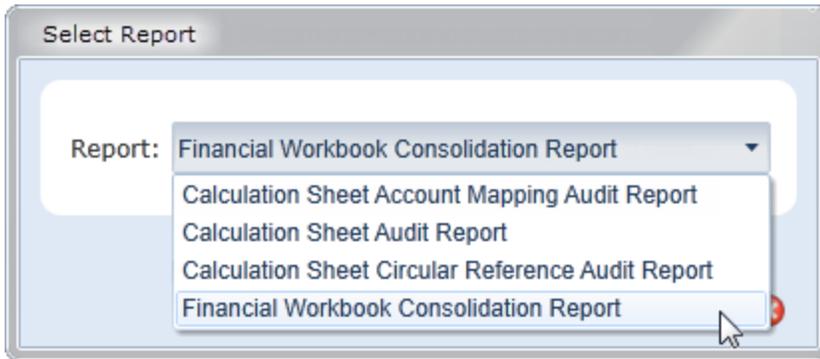
- f. Each fund will be calculated individually. The consolidated value will be the sum of each individual calculation. Rounding will then be done on a calculation sheet basis.
- g. If a user selects a rounding level on the calculation sheet more granular than that of the trial balance (e.g., *2 Decimals* vs. *No Decimal*), the calculation sheet will return the value according to the trial balance rounding.

Note:

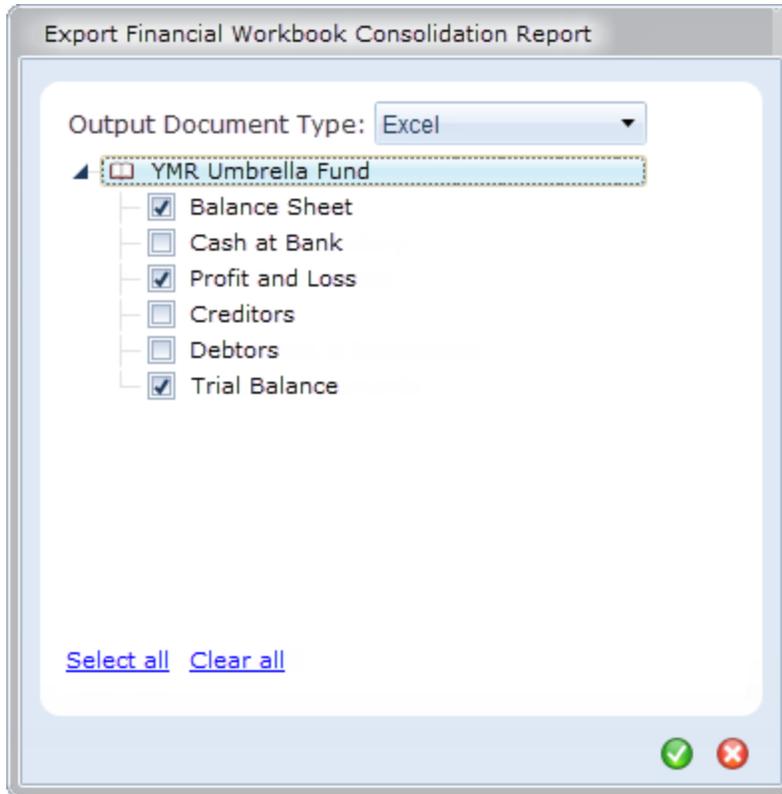
When the *Adjust underlying value* right-click functionality is used in a consolidated statement, the journal entry will only be made to the fund the user is viewing on-screen. It will not be applied to child funds of a parent or vice versa.

- 5. A **Consolidation Source** column (Column N) was added to the Financial Statement Mapping Audit Report Export.
 - a. Displays the specified **Consolidation Source** drop-down list selection for the trial balance and holdings items.
- 6. A **Consolidation Source** column was added to the various worksheets of the Excel output for the Financial Workbook Export.
 - a. **Calculation Sheet Classes Down** worksheet:
 - i. The **Consolidation Source** column displays the specified **Consolidation Source** drop-down list selection for the trial balance and holdings items.
 - b. **Calculation Sheet Classes Across** worksheet:
 - i. The **Consolidation Source** column displays the specified **Consolidation Source** drop-down list selection for the trial balance and holdings items.
 - c. <worksheet(s) representing calculation sheets of type *Multiple Columns*>:
 - i. The **Consolidation Source** column displays the specified **Consolidation Source** drop-down list selection for the trial balance and holdings items.
 - d. **Calculation Sheet Currency** worksheet:
 - i. The **Consolidation Source** column displays the specified **Consolidation Source** drop-down list selection for the trial balance and holdings items.

7. A **Financial Workbook Consolidation Report** selection is now available when the new **Generate reports** button (📄) is clicked at lower-right of the **Calculation Sheets** tab of the **Financial Workbook** page.



- a. If selected, the **Export Financial Workbook Consolidation Report** dialogue displays, through which the user can specify one or more calculation sheets and/or trial balances associated with a fund for export to Excel (XLS) format.



- i. The topmost node of the tree view structure that displays on the dialogue represents the fund specified in the fund selection bar.
- ii. Each calculation sheet and trial balance associated with the fund and account period specified in the fund selection bar is displayed in the tree view as a child node to the fund node.
 - A. The calculation sheets associated with the fund are displayed first, in order based on the settings specified for the current financial workbook template via the **Financial Workbook Custom Sort Profiles** page (*i.e.*, either alphabetical by calculation sheet name, or some custom sort order).
 - B. The trial balances associated with the fund are displayed after the calculation sheets, in alphabetical order by definition name.

- C. A check box is displayed at left of each calculation sheet/trial balance name.
 - 1. Selecting the check box of a given tree view node causes that calculation sheet/trial balance to be included in the consolidation report.
- iii. Clicking the **Accept** button at lower-right of the dialogue causes the following to occur:
 - A. If at least one check box in the tree view is selected, the dialogue to closes, and a request is submitted to the Output Queue to produce an XLS file containing the specified calculation sheet and/or trial balance information.
 - B. If the account period specified in the fund selection bar is open, the workbook will be calculated before exporting data to the report; if the account period is closed, the report will pull already-stored calculation sheet/trial balance details (*i.e.*, any changes made to the financial statement template or financial workbook template subsequent to the closure of the account period will not be reflected in the report for that period).
 - 1. One XLS workbook will be created. The workbook contains one worksheet for every calculation sheet and trial balance specified for export, and displays data associated with the currently-specified **Balance Type** and the fund and account period specified in the fund selection bar.
 - 2. The name of each worksheet tab is that of the calculation sheet or trial balance whose data it contains.
 - 3. Each line item of a given calculation sheet/trial balance is displayed as a row on the worksheet representing that calculation sheet/trial balance.
 - 4. All values in each worksheet are composite-level; no class-level values are displayed.
 - a. The raw value (not rounded or footed) for each line item is displayed.
 - 5. Each worksheet displays the following information, in each of the following columns:
 - a. **Line Item Name**
 - i. Displays the name of the calculation sheet/trial balance line item.

b. **<parent fund name> (<parent fund code>)**

- i. The column header displays the name and code of the fund that was specified in the fund selection bar at the time the report was generated.
- ii. Cells in the column display the values associated with the parent fund; this will be dependent on the **Consolidation Source** setting specified for the calculation sheet item.

Note:

This is the calculated value shown in the user interface.

c. **[<child fund name> (<child fund code>)]**

- i. Based on the fund relationship defined for the parent fund, one column displays for each child fund, with the respective funds' values.
 - ii. If no child funds are defined in association with the fund, no data is displayed in columns beyond A, B and C.
 - iii. Each column header displays the name and code of the respective child fund.
6. The text of all rows representing sections is bolded.
 7. The text of all rows representing total lines is bolded.
 8. An overline and an underline display for all rows representing total lines.
 9. The text of rows representing all other line items is normal (*i.e.*, not bold, and with no overlines/underlines).
 10. All columns in the grid containing numeric values are formatted as **General** (not **Text**) in the output file when it is opened/viewed in Microsoft Excel (or any other spreadsheet application capable of opening files of XLS format).
 - a. No decimal figures displayed for any given numeric value in the grid are suppressed in the output file; the full number of decimals is shown in the

- output file.
- b. Only numeric fields are formatted as *General* in the output file; database fields designed to contain alphanumeric values will not be formatted as *General* (but rather, *Text*).
 - C. The Output Queue *Type* value for the request is *Financial Workbook Consolidation Report (XLS)*.
 - D. The Output Queue *For* value for the request is the name of the current financial workbook.
- iv. Clicking the *Cancel* button at lower-right of the dialogue causes the dialogue to close, and for no action to be taken (*i.e.*, no report is exported).

Additional Information

- For financial statements that need to pull holdings data; if the balances needed are
 - *Fund Balance*
 - The primary portfolio statement must be set to be a non consolidated statement
 - *Fund and Child(ren) Balances*
 - The primary portfolio statement must be set to be a consolidated statement.
 - *Child(ren) Balance(s)*
 - This will not be supported with the 2.2.0 product release.
- When dealing with class-level calculation sheets, accounts are grouped by fund and child balances for a classes only when parent and child(ren) have the same *Class Name* and *Base Class*. If a class on the child has a different class name, or a different base class and same name as the Parent, a new row/column will be shown on the calculation sheet preview.

Example:

If the parent has Class A (name), A (base) and the child fund has Class A Inst (name), A (base), both Class A and Class A Inst will be seen a separate class in the calculation sheet.

- For financial statements whose associated workbook template is designated as a consolidated workbook, the statement will look back to the calculation sheet item and respect its consolidation mapping.

- When pulling an *Other Assets* line item values for a consolidated statement, the statement will look back to the calculation sheet item and respect its consolidation mapping (ArcReporting only).
- If system and/or custom data points are included in financial statements, portfolio statements, tabular data tables, footnotes and/or text snippets, they will evaluate according to the following logic, based on their type:
 - *Calculation Sheet*
 - Looks to the consolidation source specified for trial balance and holdings items.
 - For holdings, the values taken for the calculation will be based upon the primary portfolio statement template settings.
 - *Conditional Value*
 - Financial Workbook
 - Calculation Sheet
 - Looks to the consolidation source specified for trial balance and holdings items.
 - For holdings, the values taken for the calculation will be based upon the primary portfolio statement template settings.
 - All other financial workbook types will return the value associated with the fund being viewed.
 - All other conditional value types will return the value associated with the fund being viewed.
 - All other data point types will return the value associated with the fund being viewed.

Process Changes

No changes to current processes are required.

18. Dynamic security categorization

Overview

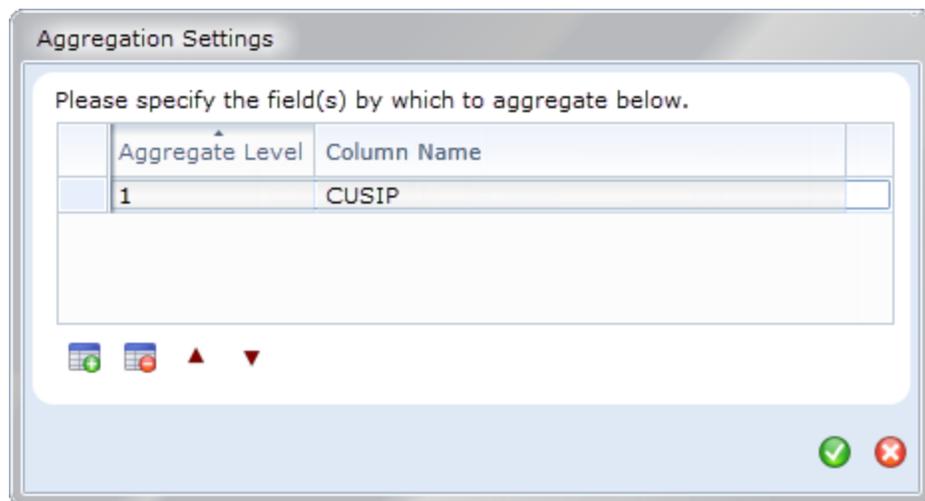
Users now have the ability to set up dynamic categories. This functionality allows users to define aggregation logic at the category level and reclassify securities into positive and negative categories in real time, based upon the value of a specified numeric data field.

What's New

1. Several new features were added to the **Add Category** pop-up dialogue to support dynamic categorization (this dialogue is invoked via the **Categories** tab of the **Category Libraries** page).
 - a. A **Category Behavior** horizontally-aligned option button set is now displayed beneath the **Other Total Caption 03** text box.
 - i. Available options are the following:
 - A. **Standard** (default selection for new categories)
 - B. **Dynamic**
 1. If this selection is specified for a given category, all positive values will be placed into the category following aggregation.
 - C. **Negative**
 1. If this selection is specified for a given category, the **Category Codes** grid will be disabled.
 - ii. Available options are as follows:
 - A. **Accrued Interest**
 - B. **Base Currency Bought**
 - b. A **Categorize based on** drop-down list is displayed as a "child" (indented) beneath the **Category Behavior** option button set.
 - i. This drop-down list is only enabled when the **Dynamic** option button is selected.
 - ii. Available selections are as follows:
 - A. **Accrued Interest**
 - B. **Base Currency Bought**

- C. *Base Currency Sold*
- D. *Base Unit Price*
- E. *Bought*
- F. *Commitments*
- G. *Contract Rate*
- H. *Cost*
- I. *Coupon Rate*
- J. *Local Cross Trade*
- K. *Local Currency Bought*
- L. *Local Currency Sold*
- M. *Local Unit Price*
- N. *Market Value*
- O. *Market Value Ask*
- P. *Market Value Bid*
- Q. *Multiplier*
- R. *Notional Amount*
- S. *Option Premium*
- T. *Price Ask*
- U. *Price Bid*
- V. *Proceeds*
- W. *Purchase Amount Base*
- X. *Purchase Amount Local*
- Y. *Purchase Cost*

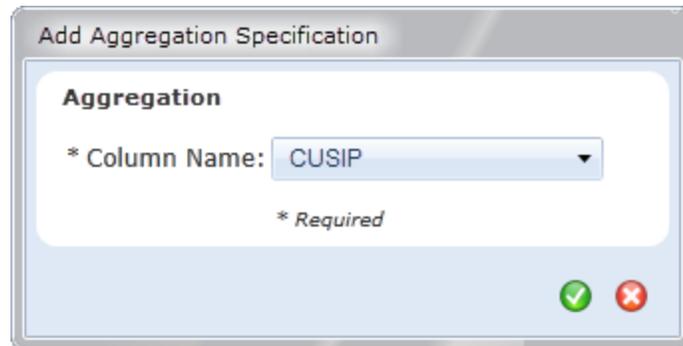
- Z. *Shares*
 - AA. *Sold*
 - AB. *Sold Amount Base*
 - AC. *Sold Amount Local*
 - AD. *Strike Price*
 - AE. *Unrealized Value* (default selection for new categories)
- c. An **Aggregation** link is displayed beneath the **Categorize based on** drop-down list, and as a "child" of the **Category Behavior** option button set (indented).
- i. This link is only enabled/clickable when the **Dynamic** option button is selected.
 - ii. Clicking the link causes the **Aggregation Settings** pop-up dialogue to display.



- A. A grid is displayed on the dialogue, with the following columns:
1. **Aggregate Level**
 - a. The value of this cell in the topmost row is always **1**. As new rows are added to the grid, the value increments by 1. As existing rows are sorted using the **Move item up** and **Move item down** buttons, the aggregate level value adjusts accordingly.

2. *Column Name*

- a. Displays the name of the specified column.
- B. An *Add Item* button is displayed at lower-left of the grid. Clicking the button causes the **Add Aggregation Specification** pop-up dialogue to display.



1. The user can select the column by which to aggregate via the *Column Name* drop-down list on the dialogue.
 - a. The list of available columns is as follows:
 - i. *144A*
 - ii. *AM Best Credit Rating*
 - iii. *Base Currency Bought*
 - iv. *Base Currency Sold*
 - v. *Base Unit Price*
 - vi. *Caption*
 - vii. *Class*
 - viii. *Commitments*
 - ix. *Contract Rate*
 - x. *Counterparty*

- xi. *Coupon Rate*
- xii. *Currency Caption (security)*
- xiii. *Currency Code Purchased*
- xiv. *Currency Code Sold*
- xv. *Currency Symbol (security)*
- xvi. *CUSIP*
- xvii. *Custom Identifier*
- xviii. *DBRS Credit Rating*
- xix. *Description 01*
- xx. *Description 02*
- xxi. *Description 03*
- xxii. *Description 04*
- xxiii. *Description 05*
- xxiv. *Description 06*
- xxv. *Description 07*
- xxvi. *Description 08*
- xxvii. *Description 09*
- xxviii. *Description 10*
- xxix. *Description 11*
- xxx. *Description 12*
- xxxi. *Description 13*
- xxxii. *Description 14*

- xxxiii. *Description 15*
- xxxiv. *Description 16*
- xxxv. *Description 17*
- xxxvi. *Description 18*
- xxxvii. *Description 19*
- xxxviii. *Description 20*
- xxxix. *Egan Jones Credit Rating*
 - xl. *Exchange Rate*
 - xli. *Expiration Date*
 - xlii. *Fair Value Level*
 - xliii. *Fair Value Type*
 - xliv. *Fair Valued*
 - xlv. *Final Legal Maturity Date*
 - xlvi. *Fitch Credit Rating*
 - xlvii. *Fixed Interest*
 - xlviii. *Has Demand Feature*
 - xlix. *Has Enhancement*
 - l. *Has Guarantee*
 - li. *Illiquid Security*
 - lii. *In Default*
 - liii. *ISIN*
 - liv. *Issuer*

- lv. *Issuer CIK*
- lvi. *JCR Credit Rating*
- lvii. *LACE Credit Rating*
- lviii. *Local Unit Price*
- lix. *Master Identifier*
- lx. *Maturity Date*
- lxi. *Moodys Credit Rating*
- lxii. *Multiplier*
- lxiii. *NMFP Notes*
- lxiv. *Non-Income*
- lxv. *On Loan*
- lxvi. *Option Premium*
- lxvii. *Other Credit Rating 1*
- lxviii. *Other Credit Rating 2*
- lxix. *Other Credit Rating 3*
- lxx. *Other Credit Rating 4*
- lxxi. *Other Credit Rating 5*
- lxxii. *Other Credit Rating 6*
- lxxiii. *Pay type*
- lxxiv. *Perpetual*
- lxxv. *Price Ask*
- lxxvi. *Price Bid*

- lxxvii. *R&I Credit Rating*
- lxxviii. *Realpoint Credit Rating*
- lxxix. *Receive Type*
- lxxx. *Related Fund Code*
- lxxxi. *Related Fund Code Currency*
- lxxxii. *Repo Used For Diversification*
- lxxxiii. *Reset Date*
- lxxxiv. *S&P Credit Rating*
- lxxxv. *SEDOL*
- lxxxvi. *Series*
- lxxxvii. *Step-up Bond*
- lxxxviii. *Strike Price*
- lxxxix. *Strips*
 - xc. *TBA Description*
 - xc. *Valoren*
 - xcii. *Variable Rate*
 - xciii. *Werkpapier*
 - xciv. *When-Issued*
 - xcv. *Yield*
 - xcvi. *Yield Date*
 - xcvii. *Zero Coupon*

2. Clicking the **Accept** button at lower-right of the dialogue causes the dialogue to close, and for the specified column to be added to the grid.

3. Clicking the **Cancel** button at lower-right of the dialogue causes the dialogue to close, and for no changes to be made to the contents of the grid.
- C. A **Remove Item** button is displayed at lower-left of the grid, at right of the **Add Item** button.
1. Clicking the button causes the selected aggregation row to be removed from the grid.
- D. A **Move item up** vertical positioning button is displayed at lower-left of the grid, at right of the **Remove item** button. Clicking the button moves the selected item up in the grid.
1. The order of appearance in the grid dictates the order of fields by which the data will be aggregated, top to bottom.
- E. A **Move item down** vertical positioning button is displayed at lower-left of the grid, at right of the **Move item up** button. Clicking the button moves the selected item down in the grid.
1. The order of appearance in the grid dictates the order of fields by which the data will be aggregated, top to bottom.
- iii. Clicking the **Accept** button at lower-right of the dialogue causes the dialogue to close, and for the specified aggregation settings to be saved.
 - iv. Clicking the **Cancel** button at lower-right of the dialogue causes the dialogue to close, and for no changes to be made to the aggregation settings.
- d. A **Negative Category** drop-down list is displayed beneath the **Aggregation** link, and as a "child" of the **Category Behavior** option button set (indented).
- i. This drop-down list is only enabled when the **Dynamic** option button is selected.
 - ii. Available selections are all categories within the current category library that have a **Category Behavior** setting of **Negative**.
 - iii. All negative values will be placed into the specified category following aggregation.

Note:

Both **Dynamic** and **Negative** categories can be referenced/mapped to a financial statement, similar to **Standard**.

2. Several features of the grid on the **Categories** tab of the **Category Libraries** page were updated to facilitate the display of dynamic categorization information.
 - a. For grid rows that represent a category having a **Category Behavior** setting of **Dynamic**, the category name string in the **Category Name** column is now appended with the term **(Positive)**.
 - b. For grid rows that represent the specified **Negative Category** for a given category, the category name string in the **Category Name** column is now appended with the term **(Negative)**.
 - c. A **Dynamic Category** read-only column was added to the grid.
 - i. The cell in this column for any given row displays either **True** or **False**, based on whether or not the **Category Behavior** setting for the category is **Dynamic**.
 - d. A **Categorize based on** read-only column was added to the grid.
 - i. The cell in this column for any given row displays the specified **Categorize based on** drop-down list selection (if any) for the category.
 - e. A **Negative Category** read-only column was added to the grid.
 - i. The cell in this column for any given row displays the specified **Negative Category** drop-down list selection (if any) for the category.
3. Logic for the Holdings push-button Excel data import and automated FTP dataload was updated to handle situations in which the category code provided in the data source file for a given row is associated with a category having a **Category Behavior** setting of **Negative**.
 - a. In such a circumstance, the following warning message will be logged:

WARNING: Column: 'CategoryCode' attempted to load a security into a category associated with a 'Dynamic' category in the '<CategoryLibraryCode>' category library. Categorization for this security was skipped.

Note:

- It is recommended that users not put any category load codes into a negative category to prevent warnings during the data import process.

- i. Aggregation will be determined by the fields specified at this level.
- ii. Aggregation for the category in the portfolio statement template will be ignored and the settings on the category will be used, instead.
- iii. There will be no *Aggregated Securities* row to manage on the **Portfolio Statement Template Output Settings** page; instead, the output settings will be determined by what the user has applied to the *Security* row within the category.

Note:

If there is aggregation on the category level, it will run and the aggregation set on the portfolio statement template will be ignored; there will be no support for both aggregations running simultaneously.

Additional Information

The following logic applies when previewing/outputting a portfolio statement or financial statement that references holdings data:

- Any consolidation that should take place due to fund structures, such as multi-managers, will occur first.
- Securities that are part of the source category will be aggregated per the aggregation parameters defined on the *Dynamic* category.
 - The fields aggregated and method will be in line with aggregation logic defined for the portfolio statement template.
 - If no aggregation parameters were set, securities will not be aggregated, but associated values will still pull through.
- If a given category is created through *Dynamic* category logic:
 - Only values from securities that have a **Categorize based on** value greater than or equal to 0 will be pulled for a *Positive* category.
 - Only values from securities that have a **Categorize based on** value less than 0 will be pulled for a *Negative* category.

- For filters on the portfolio statement template, both negative and dynamic categories will be treated together, but only when the dynamic category is referenced.
 - Adding the dynamic category to the filter will filter both the negative and dynamic.
 - Adding the negative category will not return any filters.

Process Changes

No changes to current processes are required.

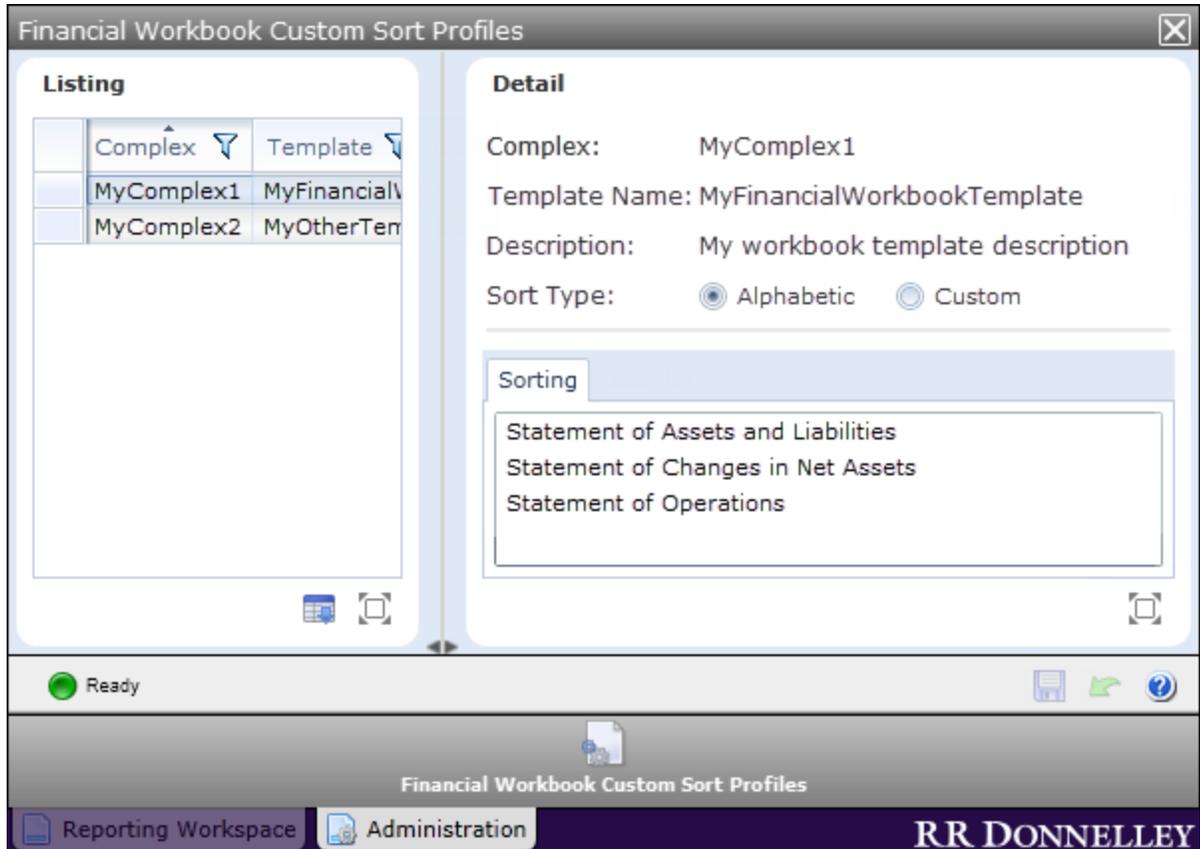
19. Calculation sheets: Custom sort profiles

Overview

Users are now able to define custom sort ordering for calculation sheets displayed in several areas of the **Financial Workbook Templates** and **Financial Workbook** pages, so that the most commonly-used calculation sheets display first in the respective user interfaces.

What's New

1. A new **Financial Workbook Custom Sort Profiles** page was added to ArcReporting, through which users can define the order in which calculation sheets display in several areas of the **Financial Workbook Templates** and **Financial Workbook** pages. The page is accessed via a new menu item of the same name, under the **Settings** menu section on the *Administration* tab.

**Note:**

The new [Open Financial Workbook Custom Sort Profiles Page](#) user right is required to open the **Financial Workbook Custom Sort Profiles** page. If a user does not have this right, an **Insufficient Rights** pop-up dialogue displays when the link is clicked (and the page will not open).

- a. A **Listing** grid is displayed at left of the page.
 - i. One row is displayed in the grid for every financial workbook template that exists in the database.
 - A. When a new financial workbook template is created, a corresponding row is automatically added to the grid.

- b. A **Detail** pane is displayed at right of the page.
- i. Users can specify a **Sort Type** for the custom sort profile by selecting one of the available option buttons:
- A. **Alphabetic** (default selection for new custom sort profiles)
1. If this option is specified, the controls on the **Sorting** tab are disabled, and the calculation sheets listed thereon display in alphabetical order by calculation sheet name.
- B. **Custom Sort**
1. If this option is specified, the controls on the **Sorting** tab are enabled, and the calculation sheets listed thereon display in the defined custom sort order.
 2. Selecting this option causes the following to occur:
 - a. If no custom sort order has previously been defined in association with the financial workbook template (e.g., the option is selected for the first time), the calculation sheets in the list box on the **Sorting** tab are sorted in alphabetical order by calculation sheet name.
 - b. If a custom sort order had been previously defined in association with the financial workbook template, the calculation sheets in the list box on the **Sorting** tab are sorted according to that sort order definition.

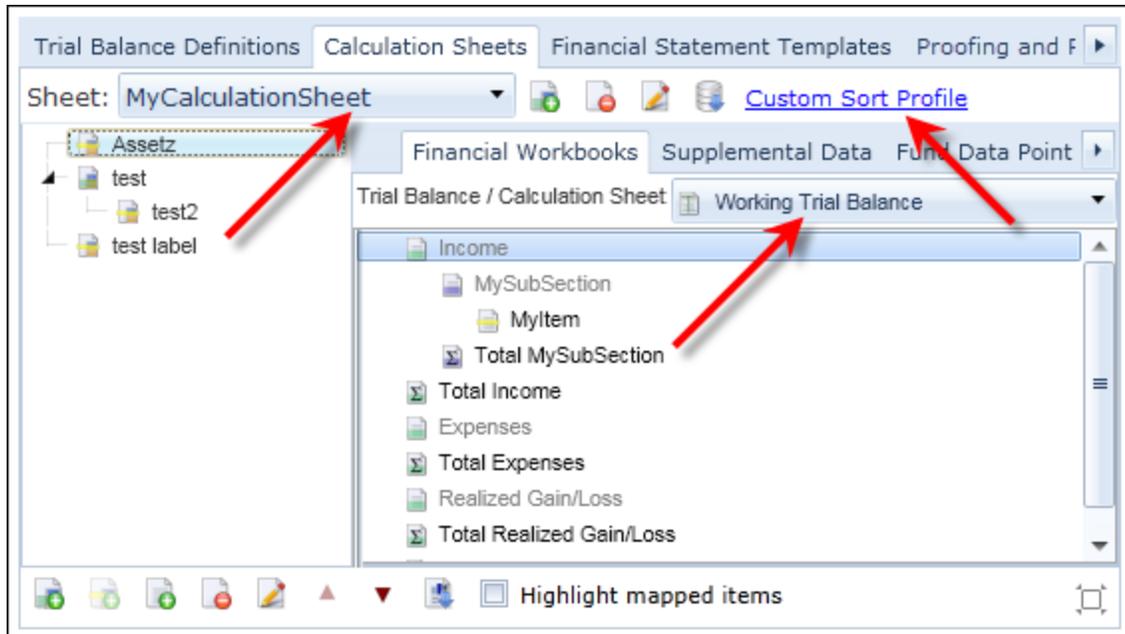
Note:

- If one or more calculation sheets in the custom sort order definition are deleted from the financial workbook template while the custom sort profile has the **Alphabetic** sort option selected, the calculation sheet(s) is/are also removed from the stored custom sort order definition.
- If one or more calculation sheets are added to the financial workbook template while the custom sort profile has the **Alphabetic** sort option selected, the calculation sheet(s) is/are added to the end of the stored custom sort order definition.

- ii. A **Sorting** tab is displayed in a pane in the lower portion of the page, on which all calculation sheets that exist for the financial workbook template are listed.
 - A. If **Alphabetic** is the specified **Sort Type**, the list box on the tab is disabled and the sheets therein display in alphabetical order by calculation sheet name.
 - 1. If a new calculation sheet is created in association with an existing financial workbook template, the sheet is automatically added to the listing of other sheets in appropriate alphabetical order.
 - 2. If a calculation sheet associated with an existing financial workbook template is deleted, the sheet is automatically removed from the listing of other sheets, and does not affect their sort order.
 - 3. If the **Sort Type** selection had been **Custom Sort** prior to specifying **Alphabetic**, the custom sort order defined at the time the selection was changed is retained, such that specifying **Custom Sort** again at any subsequent time will restore the custom sort order.
 - B. If **Custom Sort** is the specified **Sort Type**, the list box on the tab is enabled and the sheets therein display in the order specified by the user.
 - 1. By default, all new custom sort profiles display the associated calculation sheets in alphabetical order by calculation sheet name.
 - 2. Users can drag-and-drop calculation sheets within the list box to define their sort order.
 - 3. If a new calculation sheet is created in association with an existing financial workbook template, the sheet is automatically added to the end of the listing of sheets.
 - 4. If a calculation sheet associated with an existing financial workbook template is deleted, the sheet is automatically removed from the listing of other sheets, and does not affect their sort order.
 - 5. If the **Sort Type** selection is changed to **Alphabetic** after defining a custom sort order, the sort order defined at the time the selection is changed is retained, such

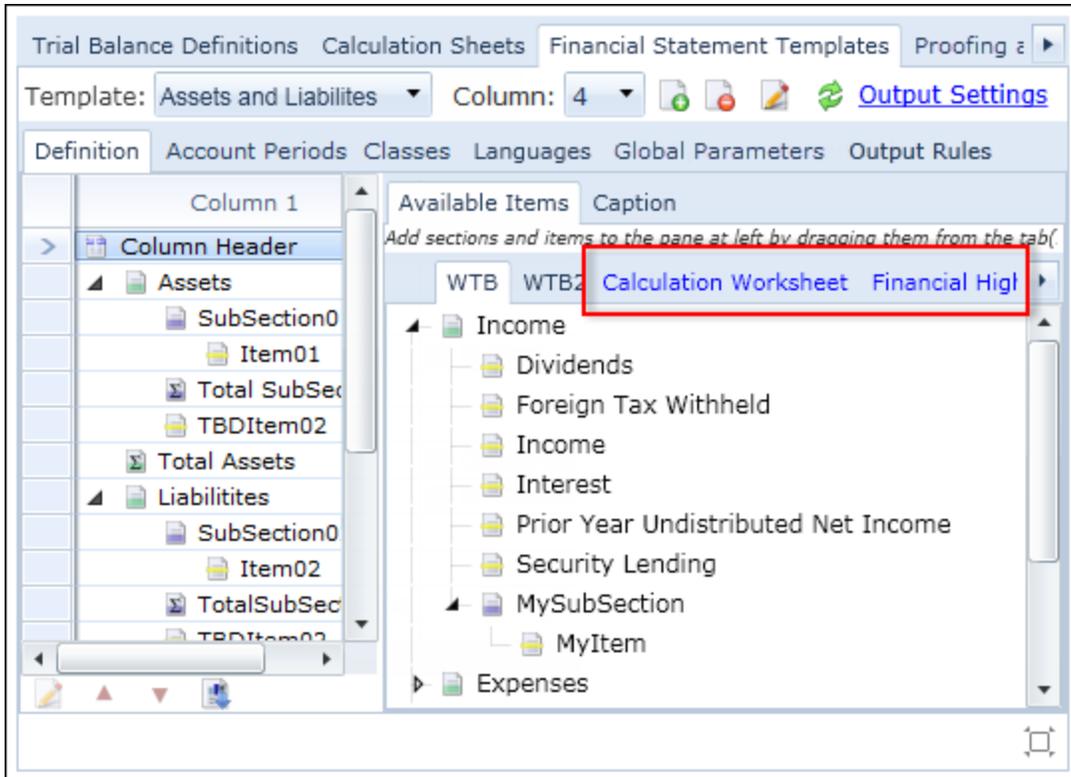
that specifying *Custom Sort* again at any subsequent time will restore the custom sort order.

- The **Calculation Sheets** tab of the **Financial Workbook Templates** page was updated to accommodate settings specified via the new **Financial Workbook Custom Sort Profiles** page.

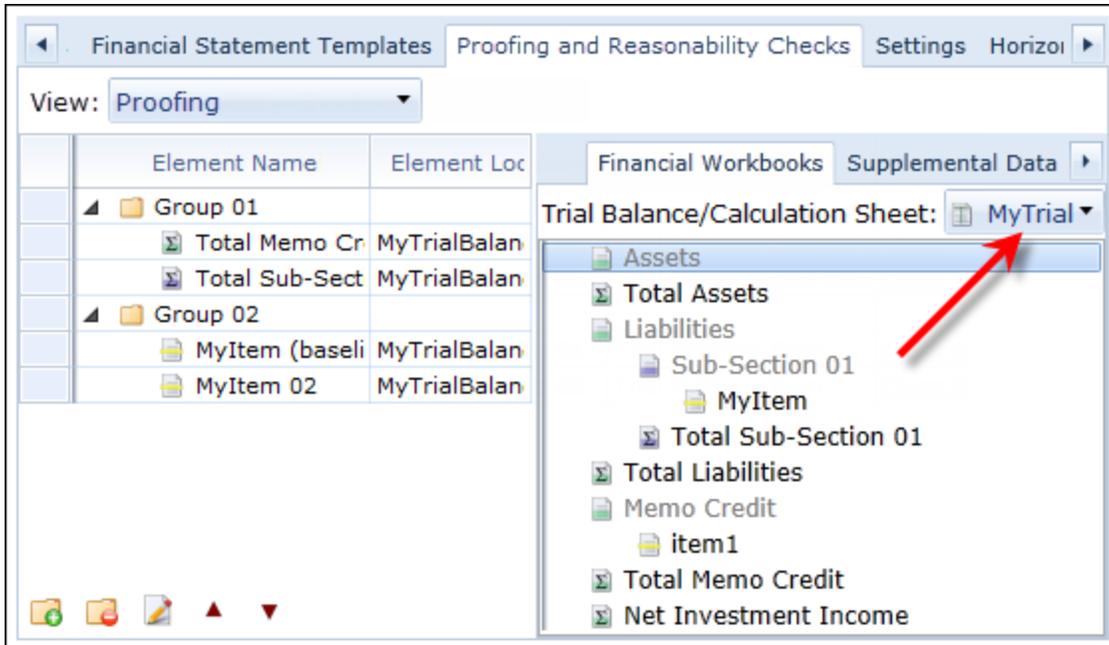


- A **Custom Sort Profile** link is now displayed at the top of the tab.
 - Clicking the link causes the **Financial Workbook Custom Sort Profiles** page to open, with the record representing the current financial workbook template selected.
- The order of selections in the **Sheet** drop-down list is now based on the settings specified for the current financial workbook template via the **Financial Workbook Custom Sort Profiles** page (*i.e.*, either alphabetical by calculation sheet name or some custom sort order).
- The order of selections in the **Trial Balance/Calculation Sheet** drop-down list on the **Financial Workbooks** sub-tab is now based on the settings specified for the current financial workbook template via the **Financial Workbook Custom Sort Profiles** page (*i.e.*, either alphabetical by calculation sheet name or some custom sort order).

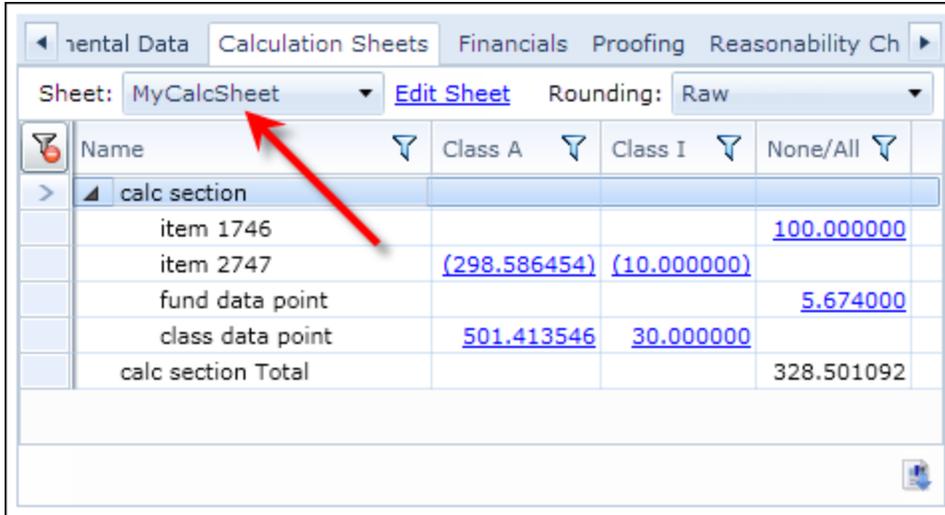
- The order of **Available Items** sub-tabs on the **Financial Statement Templates** tab of the **Financial Workbook Templates** page, from left-to-right, is now based on the settings specified for the current financial workbook template via the new **Financial Workbook Custom Sort Profiles** page (i.e., either alphabetical by calculation sheet name, or some custom sort order).



- The order of selections in the **Trial Balance/Calculation Sheet** drop-down list on the **Financial Workbooks** sub-tab of the **Proofing and Reasonability Checks** tab of the **Financial Workbook Templates** page is now based on the settings specified for the current financial workbook template via the **Financial Workbook Custom Sort Profiles** page (*i.e.*, either alphabetical by calculation sheet name, or some custom sort order).



- The order of selections in the **Sheet** drop-down list on the **Calculation Sheets** tab of the **Financial Workbook** page is now based on the settings specified for the financial workbook's associated template via the new **Financial Workbook Custom Sort Profiles** page (*i.e.*, either alphabetical by calculation sheet name, or some custom sort order).



Name	Class A	Class I	None/All
> calc section			
item 1746			100.000000
item 2747	(298.586454)	(10.000000)	
fund data point			5.674000
class data point	501.413546	30.000000	
calc section Total			328.501092

Process Changes

No changes to current processes are required.

20. Support for mid-footnote table references and portfolio statement template groups

Overview

In the ArcReporting 2.0.0 product release, functionality was introduced that allows users to insert a single tabular data, financial statement or portfolio statement table into a financial or portfolio statement footnote. This functionality was enhanced, such that users can now add multiple table references to a single footnote (including portfolio or financial statements that have their own footnote legends), with footnote text before and/or after each table reference.

Users can now also create and insert portfolio statement template "groups" into portfolio statement footnotes. Portfolio statement tables in a statement template group can have their own footnote auto-sequencing, independent of the main portfolio statement.

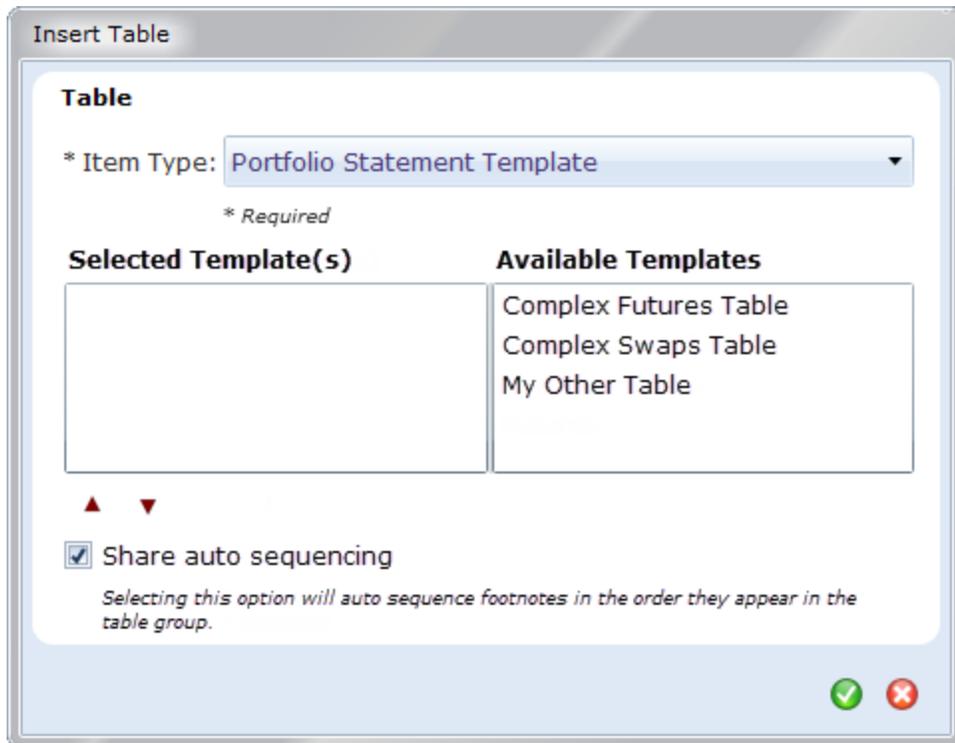
What's New

1. Any number of tables can now be inserted into a given footnote via the **Footnote Libraries - General Ledger** page or **Footnote Libraries - Holdings** page.

Note:

Tables which themselves have footnote legends can now also be inserted; in application versions prior to 2.2.0, only tables that did not contain footnote legends could be inserted.

2. The **Insert Table** dialogue for the **Footnote Libraries - Holdings** page was updated to facilitate the insertion of multiple tables (which constitute a template "group"), when *Portfolio Statement Template* is the specified *Item Type*.



- a. A set of list boxes is now displayed horizontally beneath the *Item Type* drop-down list, between which users can drag-and-drop templates associated with the complex of the current footnote library. Multiple templates can be selected at once for drag/drop.
 - i. *Selected Template(s)* (left side of set)
 - A. Templates added to this list box are included in the inserted table object.
 - B. A *Move item up* vertical positioning button is displayed at lower-left of the list box.
 1. Clicking the button moves the selected item up in the list box.

C. A **Move item down** vertical positioning button is displayed at lower-left of the list box, at right of the **Move item up** button.

1. Clicking the button moves the selected item down in the list box.

D. The order of statement templates in the list box from top-to-bottom will determine the order in which they display in a delimited list from first-to-last within the inserted table text string in the text editor. The template order will also determine the auto-sequence order of footnotes when the **Share auto sequencing** check box is selected.

ii. **Available Templates** (right side of set)

A. The list box displays all portfolio statement templates that are associated with the complex of the current footnote library.

Note:

Available selections include templates that both do and do not contain footnote legends.

b. A **Share auto sequencing** check box is displayed beneath the list box set.

- i. Selecting the check box causes each footnote number in project preview/output to be based upon its order in the portfolio statement group.

- A. This will only occur for footnotes that have auto-sequencing functionality activated.

- B. If the auto-footnote sequence setting of the tables in the group are different, the auto-sequence settings of the first table in the group will be used for all tables.

- C. The auto-footnote sequence setting of the footnote in which the tables are embedded will not be considered for the embedded tables.

- D. If an embedded portfolio statement does not have a legend it will be output but not considered for auto-sequencing.

- ii. Clearing the check box will auto-sequence the legend in each embedded table according to its own respective settings.

- A. This will only occur for footnotes that have auto-sequencing functionality activated.

- c. If more than one table is inserted, the text string representing the table group in the footnote text editor is displayed in the following format:

<Portfolio Statement Table - [<name of 1st portfolio statement template>],[<name of 2nd portfolio statement template>],[<etc.>]>

3. Footnote text may now be inserted in the paragraph before and/or after a table/table group that is embedded in a given footnote in the **Footnote Libraries - General Ledger** page or **Footnote Libraries - Holdings** page; text may not be inserted inline with (*i.e.*, in the same paragraph as) the table.

Additional Information

- If a portfolio statement or financial statement template is embedded in any given footnote in a legend, its corresponding table displays in the footnote preview on the **Components** tab of the **Project** page.
 - A portfolio statement that contains a portfolio statement group will show each table, in the order specified in the **Selected Statement(s)** list box of the **Insert Table** dialogue.
 - The formatting of a table that is embedded in a footnote will be consistent with the **Table Style** set on the portfolio statement template.
 - If any embedded statement template (A) includes a legend (A) that also includes another embedded statement template (B), the preview displays statement (B) and its legend (B) as necessary, but any additional embedded statements (C) that may be in legend (B) are not visible in project preview, and are ignored in output.
 - If any circular nested table references are found in the statement, the following informational text is displayed in red beneath the **Template** clickable link on the **Components** tab:
 - *This statement has one or more footnotes that have circular nested table references. Output will not render until these references have been removed.*

Note:

An embedded portfolio statement template (A) includes a legend (A) that then again references embedded portfolio statement template (A).

- If a custom symbol pattern is used in a statement footnote legend, the auto-sequenced values will be based upon values entered into the pattern library. However, if the number of footnotes in the legend exceeds the number of symbols specified in the custom symbol pattern library, the symbol for each footnote that exceeds the defined pattern displays as a question mark (?) in statement output.

Process Changes

No changes to current processes are required.

21. Reporting Workspace navigation: Financial Workbook page

Overview

Users can now navigate from the **Financial Workbook** page to the **Project** page, the **Financial Statement Templates** tab of the **Financial Workbook Template** page, and the **Financial Statement Template Output Settings** page with one click, via respective hyperlinks that were added to the **Financials** tab of the page.

What's New

The **Financials** tab of the **Financial Workbook** page was enhanced to facilitate navigation to related application pages.



1. The existing **Project** drop-down list label is now a clickable link.
 - a. The link is enabled only when a valid selection is specified for the **Project** and **Language** drop-down lists.
 - b. Clicking the link causes the **Project** page to open for the specified project and language, in association with the account period and fund(s) specified in the fund selection bar.

Note:

The existing **Open Project Page (ArcReporting)** user right is required to open the **Project** page. If a user does not have this right, an **Insufficient Rights** pop-up dialogue displays when the link is clicked (and the page will not open).

2. The existing **Statement** drop-down list label is now a clickable link.
 - a. The link is enabled only when a valid selection is specified for the **Statement** drop-down list.
 - b. Clicking the link causes the **Financial Workbook Templates** page to open with the **Financial Statement Templates** tab in focus, for the template associated with the specified statement.

Note:

The existing *Open Financial Workbook Templates Page* user right is required to open the **Financial Workbook Templates** page. If a user does not have this right, an **Insufficient Rights** pop-up dialogue displays when the link is clicked (and the page will not open).

3. A new **Output Settings** link is displayed at upper-right of the tab.
 - a. The link is enabled only when a valid selection is specified for the **Statement** drop-down list.
 - b. Clicking the link causes the **Financial Statement Template Output Settings** page to open for the template associated with the specified statement.

Note:

The existing *Open Financial Statement Template Output Settings Page* user right is required to open the **Financial Statement Template Output Settings** page. If a user does not have this right, an **Insufficient Rights** pop-up dialogue displays when the link is clicked (and the page will not open).

Process Changes

No changes to current processes are required.

22. Custom portfolio statement sorting

Overview

The **Fund Holdings** and **Fund Holdings - Classic** pages were enhanced to include a new **Caption - Custom Sort** field. Users can populate this alternate field with a text string that will be used as the basis for caption sorting, rather than the text in the standard **Caption** field.

What's New

The **Fund Holdings** and **Fund Holdings - Classic** pages now include a **Caption - Custom Sort** field, located at right of the existing **Caption** field.

1. Users can populate the **Caption - Custom Sort** field to override the contents of the **Caption** field, when **Caption** is used for sorting purposes in the portfolio statement template.
 - a. The maximum character length for text in the **Caption - Custom Sort** field is 1,024.
 - b. The **Caption - Custom Sort** field is not available for mapping via the **Portfolio Statement Template Output Settings** page; its value is used for sorting purposes only.
 - c. The **Caption - Custom Sort** field is not currently available for inclusion Holdings FTP dataloads or push-button Excel data imports.
 - d. The **Caption - Custom Sort** field is included in output generated via the **Export data** button on the **Fund Holdings** and **Fund Holdings - Classic** pages.
 - e. The **Caption - Custom Sort** field can be added to custom views on the **Fund Holdings** and **Fund Holdings - Classic** pages, and will display within standard grid views.
 - f. **Caption - Custom Sort** is a security library field, and as such its value will roll forward to subsequent account periods.
2. A prerequisite to using this functionality is adding the **Caption** field to the grid on the **Sorting** tab of the **Portfolio Statement Templates** page in association with the statement template in use.

Example:

A security's **Caption** text is *3M Corporation*. For project preview and output purposes, the user prefers that the security not be sorted using the actual **Caption** value, but rather *Three M Corporation*.

- The user would update the **Caption - Custom Sort** field to read *Three M Corporation* via the **Holdings** tab of the **Fund Holdings** or **Fund Holdings - Classic** page.

Balance	CUSIP	Caption	Caption - Custom Sort
	3M	3M Corporation	Three M Corporation
	02209S103	Altria Group, Ir	
	023135106	Amazon.com, I	
	037833100	Apple, Inc.	
		Blackstone Gro	

- The user would verify via the **Sorting** sub-tab of the **Portfolio Statement Templates** page that the appropriate category record in the template is using **Caption** for sorting purposes.

Statement Detail Languages Global Parameters Output Rules

Statement

- Column Header
- Security Type [Add ca](#)
 - GICs Sector [Add :](#)
 - GICs Industry**
- Security Type - Corpo
 - GICs Sector [Add :](#)
 - GICs Industry
- Security Type - Excha
- Security Type - Call O

Settings

Item Type: Category
Category Type: GICs Industry

Sorting Prior Period Calculations Subtotal Filter Agg

Sort Level	Type of Sort	Column/Sort Profile Name
1	Standard	Caption
2	Standard	Market Value

- The security will be seen on the **Components** tab of the **Project** page and in statement output as sorted among other securities using the **Caption - Custom Sort** value (*Three M Corporation*), instead of the **Caption** value (*3M Corporation*).

Air Freight & Logistics-1.9% United Parcel Service, Inc.Class B
Industrial Conglomerates-6.2% General Dynamics Corp.
3M Corporation ←
Union Pacific Corp.

Process Changes

No changes to current processes are required.

23. User-defined financial statement column placement and advanced spread configuration

Overview

In previous versions of ArcReporting, all columns in a financial statement that did not have the *Caption* data point mapped (e.g., horizontal totals) were displayed in output on each page before or after a spread. Users now have the ability to define precisely where a column will be placed in relation to a spread/repeat group via settings added to the **Financial Statement Template Output Settings** page. This functionality allows for statements to have horizontal totals on the first/last page of a spread only.

Spread settings on the **Project Templates** page were also enhanced to allow users to specify the number of funds per page at an individual page level, as opposed to only for all left or right pages. Additionally, users can now force content from the last page of the spread to an additional page, to prevent the last column from running long on a page (e.g., a horizontal total after an even number of funds).

What's New

1. For standard-orientation statements only, a *Spread Properties* section is now displayed beneath the *Column-level Properties* section of the **Format Column** dialogue, invoked via the **Financial Statement Template Output Settings** page.

Format Column

Column: 5

Note: Settings specified here will apply to this column in every statement line item.

Cell Style

[none] ▼

Cell Style Overrides

Bold Italic

Underline Color Shade

▲▼
 ▲▼
 ▲▼

Horizontal Alignment Vertical Alignment

▼
 ▼

Column-level Properties

Repeated column format differs by period type

Period Type: ▼

Column Width: ▲▼ points
 (72 points ≈ 1 inch/25.4 millimeters)

Spread Properties

Column placement:

All pages in all spreads
 Left-facing page in each spread
 First page in first spread
 Right-facing page in each spread
 Last page in last spread

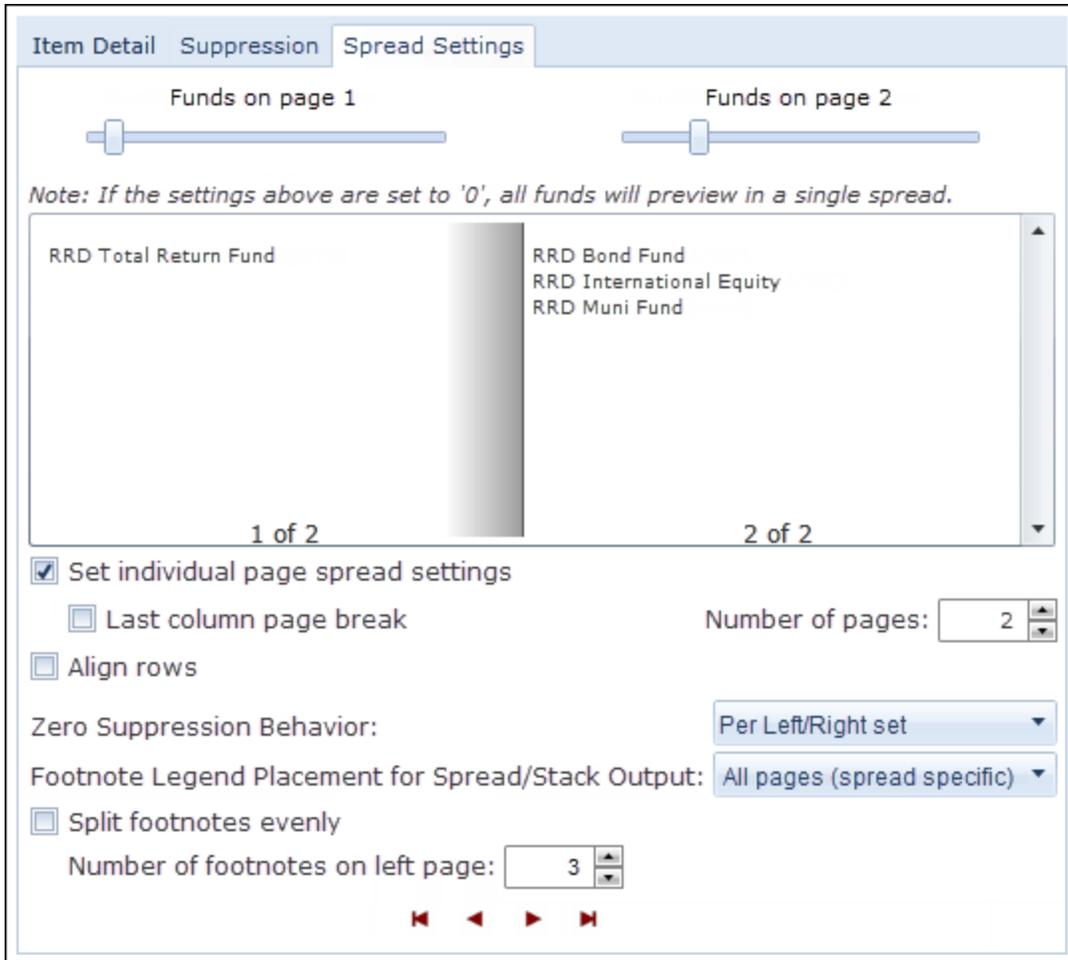
- a. Users can specify any of the following **Column placement** options for the selected column:
 - i. *All pages in all spreads*
 - A. This option is selected by default when the dialogue is opened.
 - B. Selecting this option causes the column to be displayed on every page of every spread.
 - ii. *First page in first spread*
 - A. Selecting this option causes the column to be displayed only on the first page of the first spread.
 - iii. *Last page in last spread*
 - A. Selecting this option causes the column to be displayed only on the last page of the last spread.
 - iv. *Left-facing page in each spread*
 - A. Selecting this option causes the column to be displayed only on the left-facing page of each spread.
 - v. *Right-facing page in each spread*
 - A. Selecting this option causes the column to be displayed only on the right-facing page of each spread.

Note:

If the selected column is contained within a repeat group, the controls in the **Spread Properties** section are disabled.

- The option specified for the column (if any) prior to the repeat group being applied is retained and displays on the dialogue, but is ignored; in this circumstance, the column behaves as though the **All pages in all spreads** option were selected.

2. The **Spread Settings** sub-tab of the **Contents** tab on the **Project Templates** page was updated for standard-orientation financial statement items, whose containing chapter has a **Behavior** setting of *All Funds - Single* or *All Funds - Repeat*, to allow users to set funds per page at a page level and specify other associated settings.



- a. A **Set individual page spread settings** check box is now displayed beneath the "page" control on the tab.

- i. The check box is cleared by default for new financial statement templates.
 - A. If the check box is cleared, the number of funds that display on the left- and right-facing pages of all spreads is governed by the **Funds on left pages** and **Funds on right pages** slider specifications, respectively.
 - 1. Changing the slider setting or the left- or right-facing page affects all left- or right-facing pages, respectively, on every spread.
 - B. If the check box is selected, the number of funds that display on each page of each spread is governed by the **Funds on page <n>** slider specification for any given page.

Note:

The last page does not display a slider bar. The last page is effectively an "overflow" page, on which any funds that do not fit within the specifications of the other pages will be placed.

- 1. All left- and right-facing page slider values on all spreads of a given statement template are set according to the **Funds on left pages** and **Funds on right pages** slider specifications that exist at the time the check box is first selected.
 - 2. Changing the slider setting on any given page does not affect any other page on the current or any other spread.
- b. A **Last column page break** check box was added to the tab in association with the **Set individual page spread settings** check box.
 - i. The check box is only enabled when the **Set individual page spread settings** check box is selected.
 - ii. The check box is cleared by default for new financial statement templates.
 - iii. Selecting the check box causes a new spread to be created in statement preview/output after the last page on which statement spreads are displayed.
 - A. A given column's **Spread Properties** setting (specified on the **Format Column** dialogue via the **Financial Statement Template Output Settings** page) determines whether or not it displays on the new page.

1. Columns set as *All pages in all spreads* or *Last page in last spread* will display on the page.
 2. If the new page is left facing, columns set as *Left-facing page in each spread* will display on the page.
 3. If the new page is right facing, columns set as *Right-facing page in each spread* will display on the page.
- c. A **Number of pages** spinner control was added to the tab in association with the **Set individual page spread settings** check box.
- i. The spinner control is only enabled when the **Set individual page spread settings** check box is selected.
 - A. When the check box is selected, the spinner value is automatically set to the number of pages occupied by the funds in the spread set at that time (as dictated by the **Funds on page(s)** slider controls and number of funds, etc.).
 - ii. The value specified in the spinner box dictates the number of pages the set of spreads will occupy.
 - iii. The default value of the spinner for new project templates is *0*.
 - iv. The minimum possible value of the spinner is *0* (negative values are not allowed).
 - v. The maximum possible value of the spinner is *100*.
 - vi. When the user clicks either the **Increase value** or **Decrease value** buttons of the spinner control, the spinner value is incremented up/down by 1 (e.g., when incrementing up the value changes from *0* to *1*, to *2*, to *3*, etc.).
 - A. If one or more funds are added to the project template via the **Funds** tab, the funds are added to the last page of the spread set.
 - B. If one or more pages are added by means of specifying a spinner value higher than the number of pages occupied by the project template's funds, the page(s) will remain and be output as blank pages.

- C. If one or more pages are removed by means of specifying a spinner value lower than the number of pages occupied by the project template's funds, the fund(s) from the removed page(s) will be added to the last remaining page.
- d. An **Align rows** check box was added to the tab.
 - i. The check box is always enabled.
 - ii. The check box is cleared by default for new financial statement templates.
 - iii. Selecting the check box causes certain row alignment tags to be included in the output XML, which trigger the output processing service to align the rows.
 - iv. Clearing the check box prevents row alignment tags from being included in the output XML.

Note:

Due to the new column-level spread settings added to the **Financial Statement Template Output Settings** page, the **Line Caption Display** drop-down list (whose functionality the former now handles) was removed from the **Spread Settings** tab of the **Project Templates** page.

- Upon database update to version 2.2.0, if a **Line Caption Display** drop-down list selection of **Left-facing pages only** existed for a given financial statement item in the project template, any columns in the statement template having the **Caption** data point mapped will have the **Left-facing page in each spread** option automatically designated for its **Spread Properties** setting (on the **Format Column** dialogue of the **Financial Statement Template Output Settings** page); otherwise, the columns will have a setting of **All pages in all spreads** designated.
- If a given financial statement template is attached to two or more project templates, and these have conflicting **Line Caption Display** settings, the **All pages in all spreads** setting will be applied upon database update to version 2.2.0.

Additional Information

- Footnote auto-sequencing for statement output will occur after all columns' respective **Spread Properties** settings have been applied, to ensure that the sequence displayed in the legend is a true representation of the spread/table layout.
- Users are advised to check all spread settings on all tables following database update to version 2.2.0 to ensure that there were no conflicts within the financial statement template/project template setup, as defined in the "What's New" section of this Release Notes item.

Process Changes

Going forward, users should define financial statement templates with the correct column placement prior to creating the spread settings for a given table.

- Users will no longer be able to share a financial statement template across two projects that have different caption column placement.

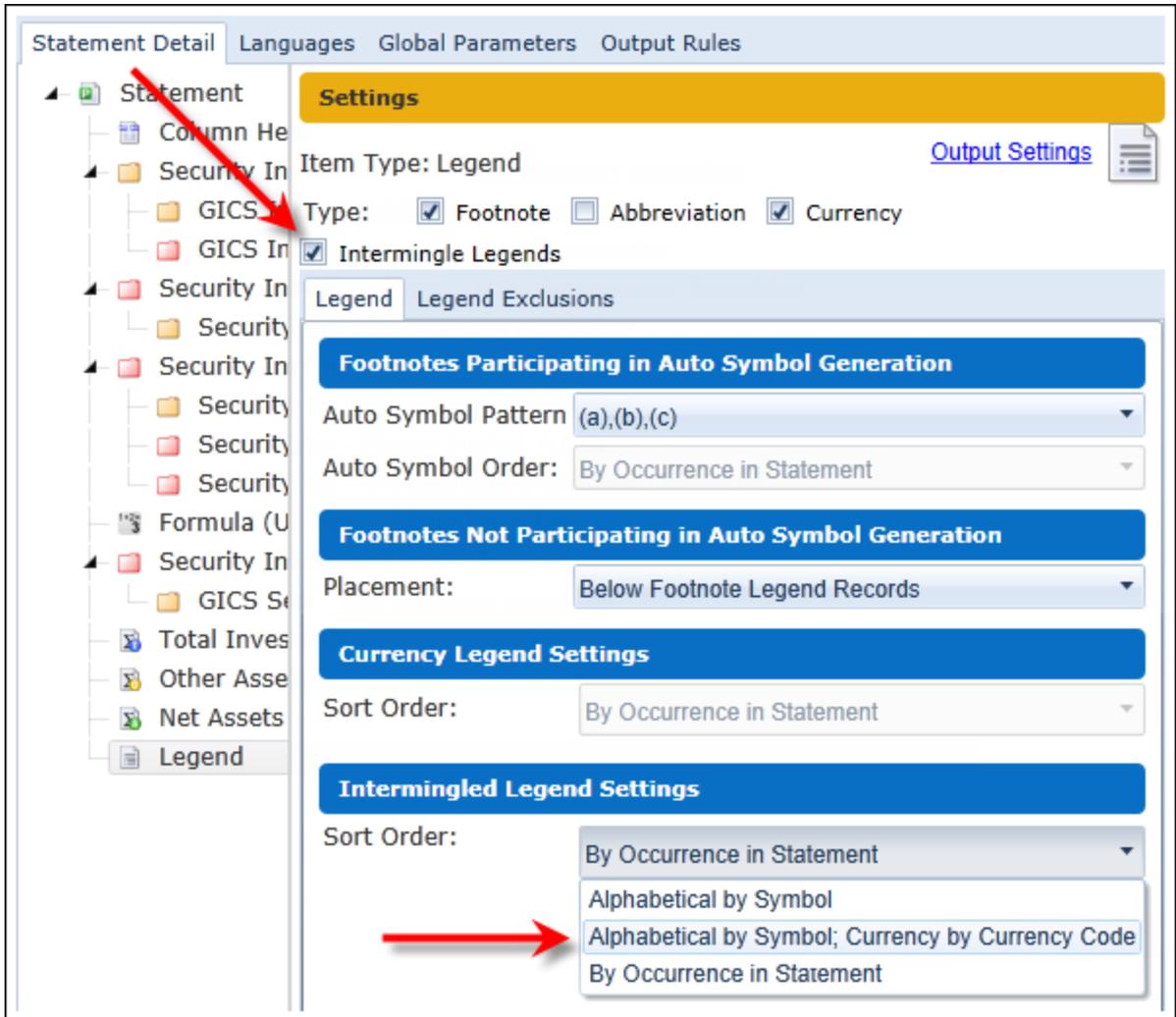
24. Ability to sort currency records by currency code in intermingled legends

Overview

Users can now specify that currency legend records be sorted by their **Currency Code** value within portfolio statement intermingled legends by means of new and updated settings related to currencies on the **Portfolio Statement Templates**, **Portfolio Statement Template Output Settings** and **Shared Legend Template Output Settings** pages.

What's New

1. An **Alphabetical by Symbol; Currency by Currency Code** selection is now available in the **Sort Order** drop-down list associated with intermingled legend settings on the **Legend** sub-tab of the **Portfolio Statement Templates** page.

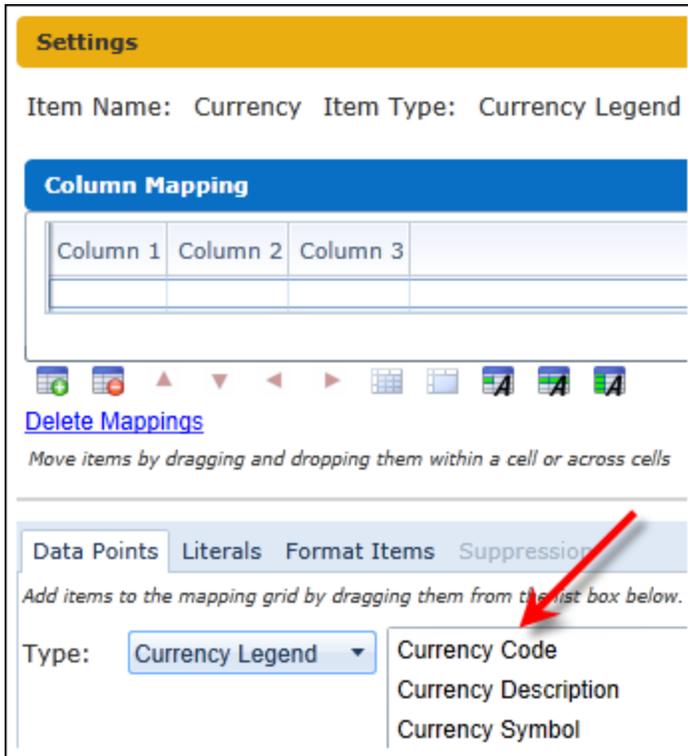


- a. This option will continue to sort footnote and/or abbreviation records in the intermingled legend by symbol, but will use currency records' respective codes to sort, rather than their symbols (e.g., \$, £, etc.).

Note:

This drop-down list selection is only available when the **Currency** legend type check box and the **Intermingle Legends** check box are selected.

- The previously-named *Currency Text* data point on the *Data Points* tab of the **Portfolio Statement Template Output Settings** and **Shared Legend Template Output Settings** pages was renamed as *Currency Code* for consistency purposes.



Settings

Item Name: Currency Item Type: Currency Legend

Column Mapping

Column 1	Column 2	Column 3

[Delete Mappings](#)
Move items by dragging and dropping them within a cell or across cells

Data Points Literals Format Items Suppression

Add items to the mapping grid by dragging them from the list box below.

Type:

- Currency Code
- Currency Description
- Currency Symbol

Note:

Following database update to 2.2.0, any existing mappings of the formerly-named *Currency Text* data point will display as *<Currency Code>* in the mapping grid.

Process Changes

No changes to current processes are required.

25. Fund-specific footnote text

Overview

Users can now create fund-specific textual content for general ledger and holdings footnote snippets. This new feature allows for the output of different text for distinct account period, language and fund combinations when needed.

What's New

1. A **Fund** drop-down list is now displayed at right of the **Language** drop-down list on the **Footnote** tab of the **Footnote Libraries - General Ledger** and **Footnote Libraries - Holdings** pages.
 - a. Available selections are the following:
 - i. **[All]** (default selection for new footnotes)

Note:

This selection only displays when the drop-down list is disabled and the associated informational text beneath it reads *Footnote text is the same for all funds*; it is not available for selection when the drop-down list is enabled.

- ii. <all funds associated with the current footnote library's assigned complex, in alphabetical order by fund name>
 - A. The first fund in the list is selected by default when the footnote is set to have distinct text for each fund.
 - B. When a user changes the drop-down list selection to specify a particular fund, the content of the text editing pane updates to reflect that fund's associated text.
 - C. Until fund-specific content is added for any given fund, the content specified for all funds (*i.e.*, when the drop-down list selection was **[All]**) is displayed for that fund.
 - D. If a new fund is added to the complex after a given footnote is set to use fund-specific content, no content will be displayed initially in association with the new fund.

- E. Users can edit the content for each fund, independent of any other fund's associated content.
- b. The read-only text *Footnote text is the same for all funds* displays by default beneath the **Fund** drop-down list for newly-created footnotes.
 - i. A clickable (**change**) link is displayed at left of the read-only text.

Note:

The new *Activate Fund-specific Holdings Footnote Text* or *Activate Fund-specific General Ledger Footnote Text* user right is required to specify fund-specific footnote text.

- ii. Clicking the link when the read-only text states *Footnote text is the same for all funds* causes a **Please Confirm** pop-up dialogue to display, with the following message:

The current footnote text will be used initially for all funds for this account period. Distinct text can then be specified for each fund. Do you want to continue?

 - A. If the user changes the state of the footnote, the **Fund** drop-down list enables, allowing any fund associated with the current library's complex to be selected. The text entered in the text editing control will be associated with all funds for the footnote.
 - B. The first fund in the list is selected by default when the footnote is set to have distinct text for each fund.
 - C. The read-only text beneath the **Fund** drop-down list changes to read *Footnote text is different for each fund*.
- iii. Clicking the link when the read-only text states *Footnote text is different for each fund* causes a **Please Confirm** pop-up dialogue to display, with the following message:

The footnote text for the currently-selected fund will be used for all funds for this account period. Do you want to continue?

 - A. If the user changes the state of the footnote the **Fund** drop-down list disables. The text entered in the text editing control will be associated with all funds for the footnote.
 - B. The read-only text beneath the **Fund** drop-down list changes to read *Footnote text is the same for all funds*.

2. Fund-specific updates to footnotes via the **Footnote Libraries - General Ledger** or **Footnote Libraries - Holdings** pages are now pushed to other periods through the existing *Push changes* functionality.
 - a. The updates to properties and/or period- and/or fund-specific content for each footnote in the *Footnotes* grid will be pushed out to the version(s) of the respective footnote(s) associated with the specified account period(s).

Note:

If content for an updated footnote exists in a given destination account period, and the content's language and/or fund setting does not match that of the currently-selected period's footnote content, the destination period's footnote content will be left unchanged.

Additional Information

- If a given footnote is contained in a chapter with a behavior setting of *All Funds - Repeat*, the content associated with the period and language being output displays in project preview and output.
 - If the footnote is also designated as having fund-specific content, the content associated with the current fund in the repeat group displays.

Note:

Only the footnote text is fund-specific; the footnote symbol displays the same for any fund.

- If a given footnote is contained in a chapter with a behavior setting of *All Funds - Single*, the content associated with the period and language being output displays in project preview and output.
 - If the footnote is also designated as having fund-specific content, the content associated with the first fund in the spread displays.

Note:

Only the footnote text is fund-specific; the footnote symbol displays the same for any fund.

- If the footnote is on a spread table, the text of the first fund displays (*i.e.*, it will not display text for each fund).
- If the footnote is in a shared legend, the text of the first fund displays (*i.e.*, it will not display text for each fund).

Process Changes

No changes to current processes are required.

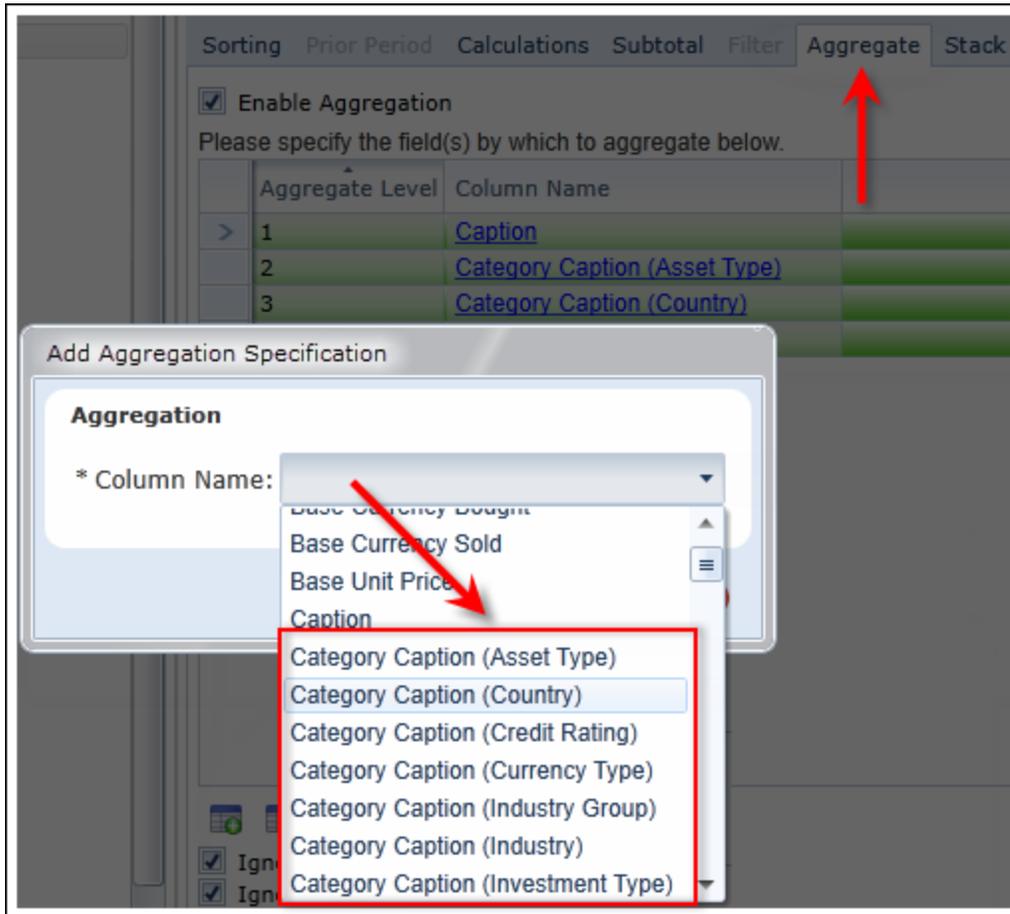
26. Ability to designate category types as aggregation specifications

Overview

Users can now specify category types as fields by which to aggregate portfolio statement template items. Associated output settings are also now available for category types employed for aggregation purposes.

What's New

When the **Enable Aggregation** check box option is selected on the **Aggregate** tab of the **Portfolio Statement Templates** page, users now have the ability to add one or more category types as fields by which to aggregate.



1. All category types that exist in the Category Types library are available for addition as an aggregation field.
 - a. Category types can be added at any aggregate level.
2. Once a category type is added to the **Aggregate** tab in association with a given portfolio statement template item, that category type becomes available for mapping to the **Aggregated Securities** row for the item via the **Portfolio Statement Template Output Settings** page.

Process Changes

No changes to current processes are required.

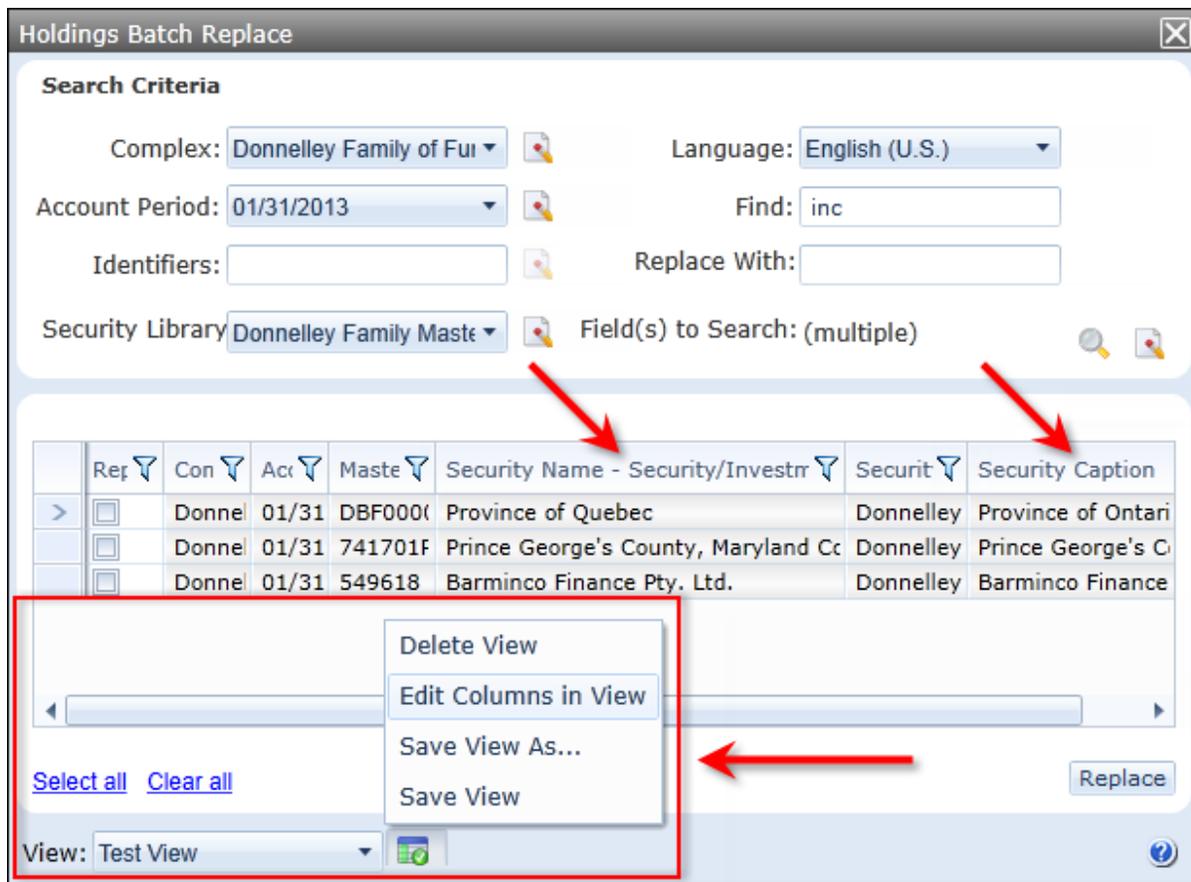
27. Holdings Batch Replace enhancements

Overview

Several enhancements were made to the **Holdings Batch Replace** page to improve general usability.

What's New

The **Holdings Batch Replace** page was enhanced with the following features:



1. The previously-named **Security Name** column of the results grid was renamed as **Security Name - Security/Investment Master**.

- a. This column was simply renamed, and continues to be populated with the **Security Name** value from the Security/Investment Master library.
2. A new **Security Caption** column was added to the results grid, which displays the **Security Caption** value from the Security Libraries library.
3. Standard grid **View** functionality is now available for the page, so that users may create any number of custom page views to display desired data columns.

Process Changes

No changes to current processes are required.

28. Shared legend template support for exclusions

Overview

Shared legend template updates were made to support the need for abbreviation, footnote and/or currency exclusions for legends.

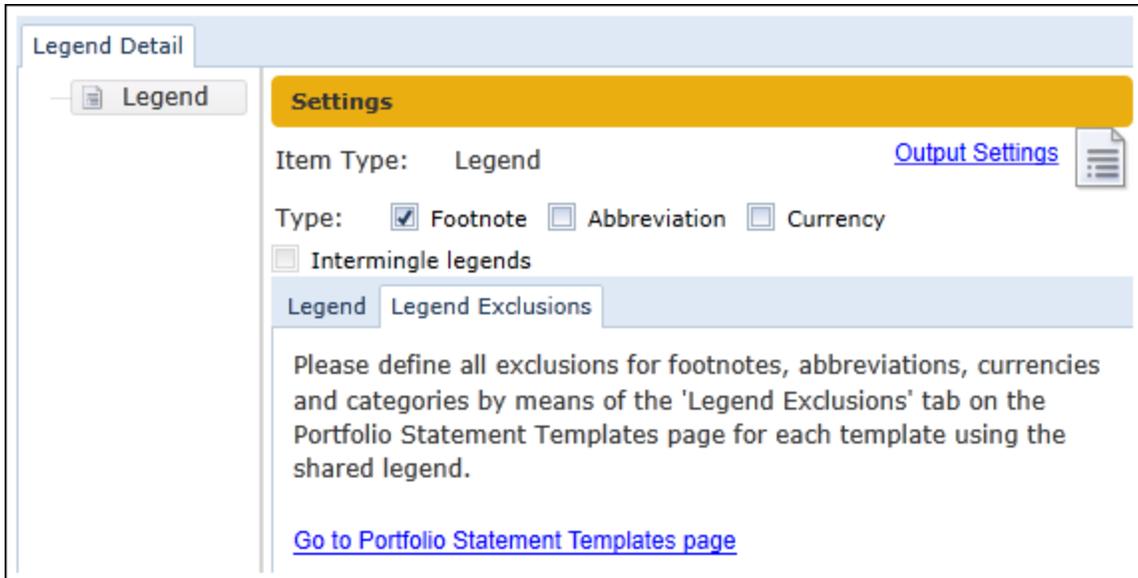
What's New

In previous versions of ArcReporting, users had the ability to define currency exclusions and currency category exclusions for a shared legend template through settings on the **Legend Exclusions** tab of the **Shared Legend Templates** page. Following environment update to version 2.2.0, such exclusions must now be defined in association with the individual portfolio statement template(s) for which exclusions are required, via the existing **Legend Exclusions** tab of the **Portfolio Statement Templates** page.

Note:

Any currency exclusions and/or currency category exclusions defined for a given shared legend template will be removed upon environment update to ArcReporting version 2.2.0. Therefore, it is recommended that users make note of any existing shared legend template currency-related exclusions prior to updating their environment, and then re-apply the settings to the appropriate portfolio statement template(s) following the update.

1. Legend exclusion settings on the **Legend Exclusions** sub-tab of the **Shared Legend Templates** page were replaced with an informational message (shown in the figure below) and a hyperlink that takes users to the **Portfolio Statement Templates** page, should they wish to access that page directly to review or update statement template exclusion settings.



Note:

- Given that a shared legend template may be associated with more than one portfolio statement template, the new [Go to Portfolio Statement Templates page](#) link merely opens the **Portfolio Statement Templates** page and does not select any particular template automatically; the user must navigate manually to the statement template(s) that require(s) review/updates.
- Functionality associated with the [Legend Exclusions](#) tab of the **Portfolio Statement Templates** page remains the same, thus offering users the ability to define exclusions for each type of legend included in a given statement template.
- The [Legend Exclusions](#) tab is now enabled at all times (not only when a specific legend **Type** check box is selected) so users have access to the new [Go to Portfolio Statement Templates page](#) link.

2. When a shared legend template is used in a project, any exclusions defined for each individual portfolio statement template associated with the legend template will be considered when building each legend.

Example:

A shared footnote legend consists of Portfolio A, Portfolio B, and Portfolio C. The *Non Income Producing* footnote is excluded from Portfolio A, but not Portfolio B and Portfolio C. If either Portfolio B or Portfolio C contains the *Non-Income Producing* footnote, the footnote will display in the shared legend output; the footnote exclusion must exist in all three portfolio statement templates to be excluded entirely from the

shared legend output.

Process Changes

No changes to current processes are required.

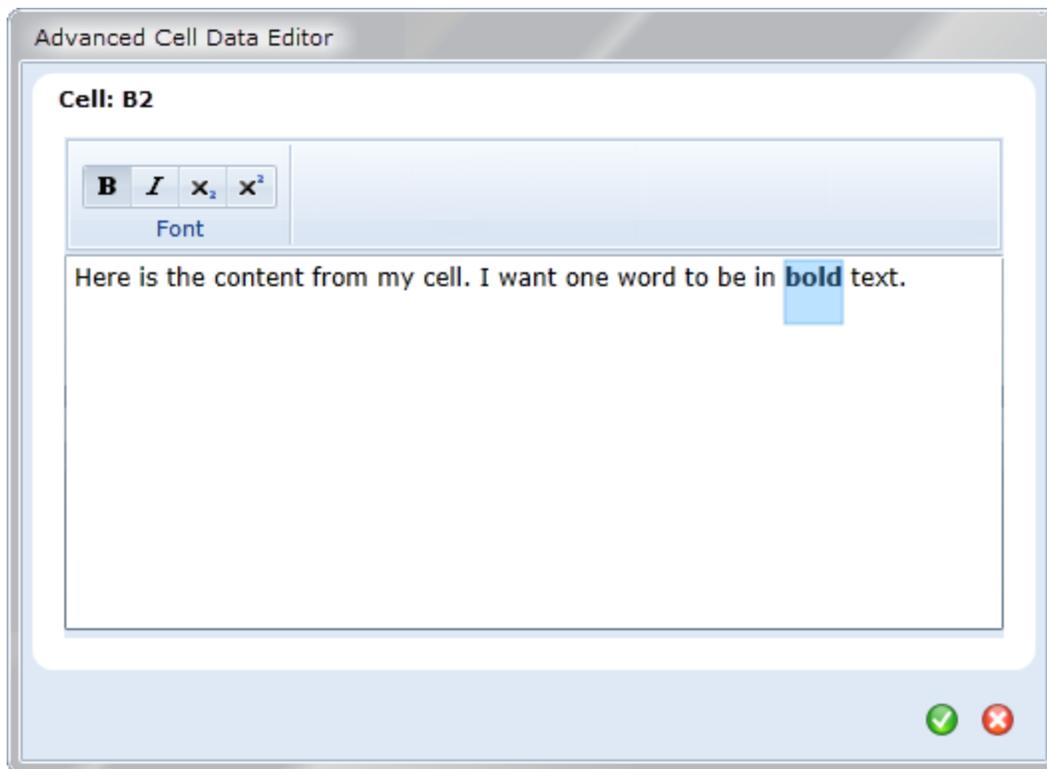
29. Advanced cell content editing for unlinked financial and portfolio statements

Overview

Users can now make cell-, row- or column-level edits to line items of unlinked financial or portfolio statements in a project.

What's New

1. When previewing an unlinked financial or portfolio statement on the **Components** tab of the **Project** page, users can now click the **Edit** button (🔗) at right of the **Link Component** button, and then double-click any cell in the statement **Edit Mode** grid to open an **Advanced Cell Data Editor** pop-up dialogue.



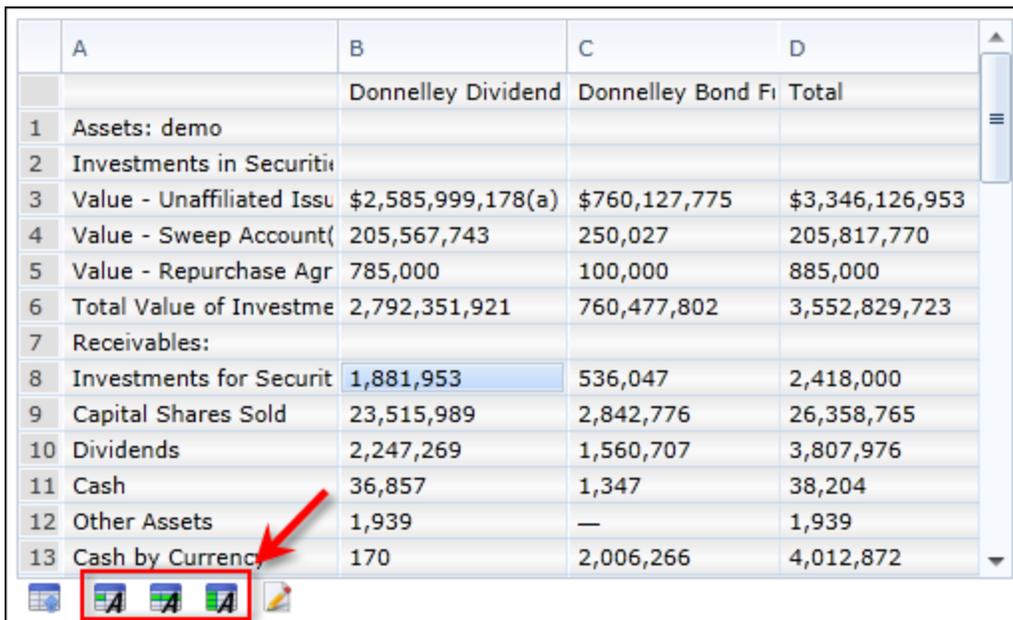
- a. Users can apply **Bold**, **Italic**, **Superscript** and/or **Subscript** styles to any highlighted text within the editing pane of the dialogue.

Note:

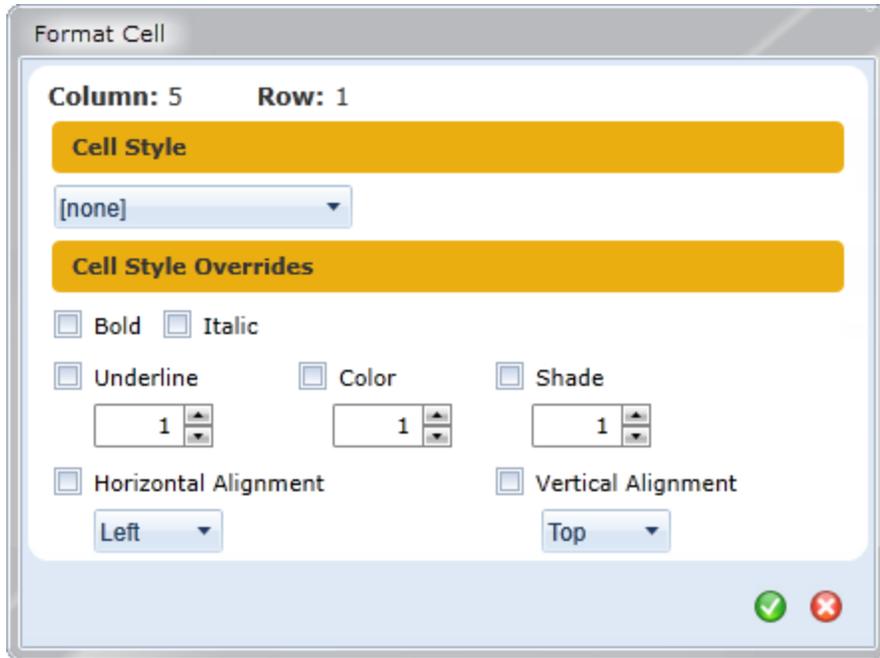
Users cannot double-click spanned cells in the grid to invoke the **Advanced Cell Data Editor** dialogue; they must, instead, select the spanned cells they wish to edit and click the **Edit selected record** button (📝) at lower-left of the grid.

- 2. Users can now apply additional formatting to any cell, row or column of an unlinked financial or portfolio statement on the **Components** tab of the **Project** page through corresponding buttons that were added at lower-left of the statement grid.

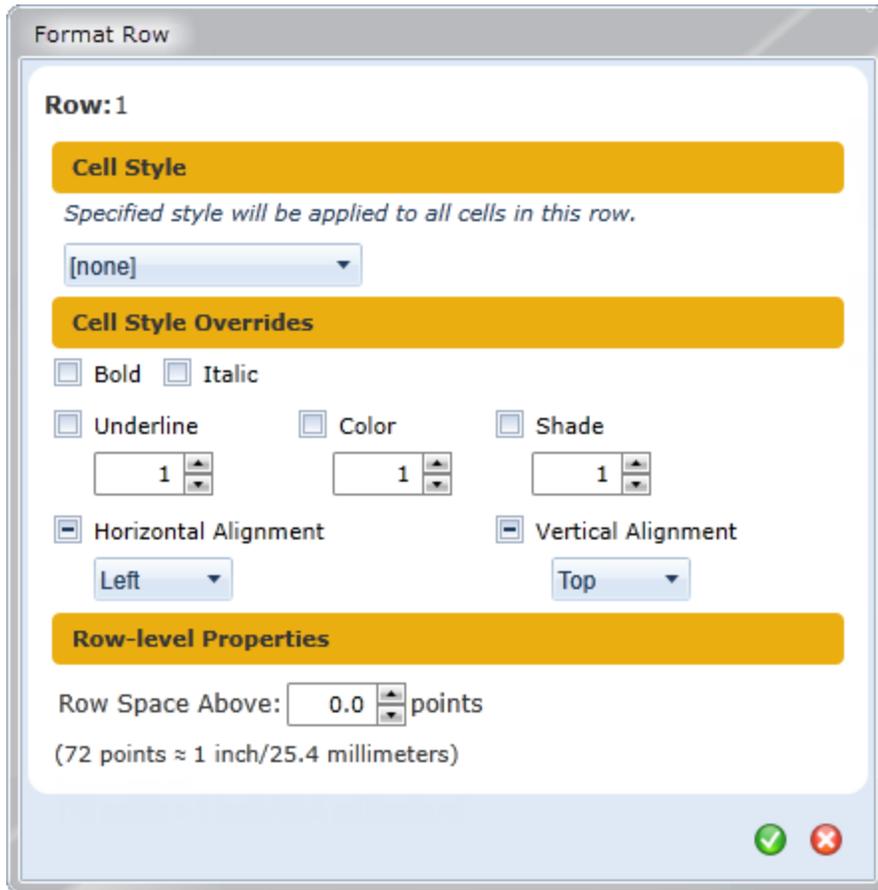
	A	B	C	D
		Donnelley Dividend	Donnelley Bond Fi	Total
1	Assets: demo			
2	Investments in Securities			
3	Value - Unaffiliated Issu	\$2,585,999,178(a)	\$760,127,775	\$3,346,126,953
4	Value - Sweep Account	205,567,743	250,027	205,817,770
5	Value - Repurchase Agr	785,000	100,000	885,000
6	Total Value of Investme	2,792,351,921	760,477,802	3,552,829,723
7	Receivables:			
8	Investments for Securit	1,881,953	536,047	2,418,000
9	Capital Shares Sold	23,515,989	2,842,776	26,358,765
10	Dividends	2,247,269	1,560,707	3,807,976
11	Cash	36,857	1,347	38,204
12	Other Assets	1,939	—	1,939
13	Cash by Currenc	170	2,006,266	4,012,872



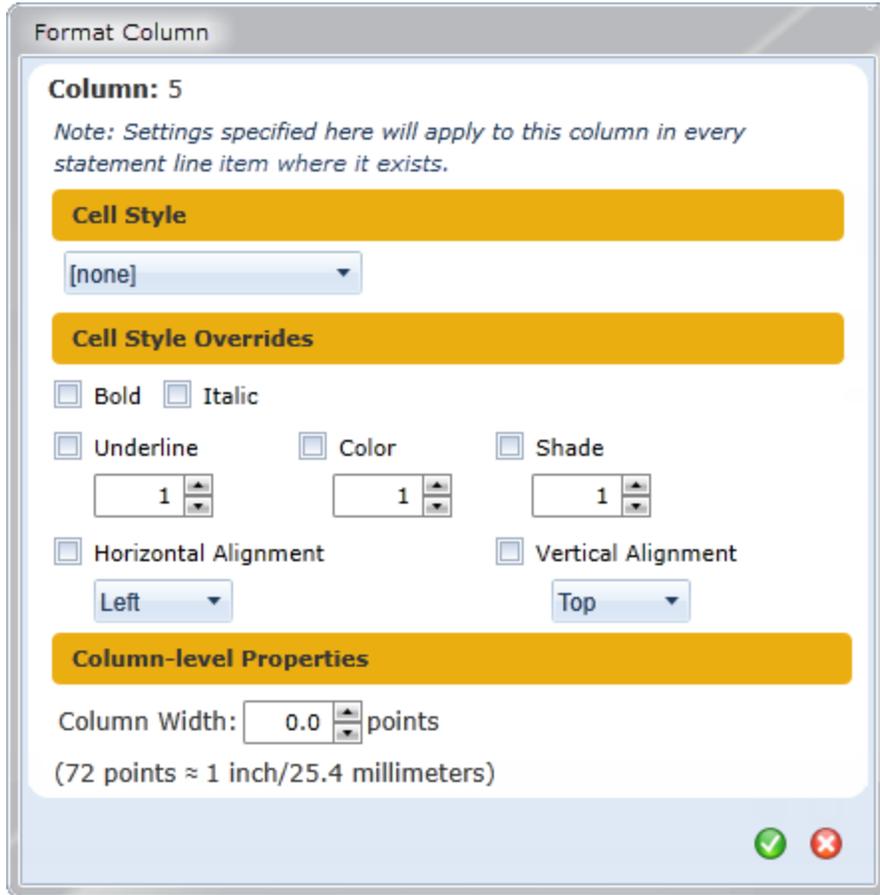
- a. If the **Format cell** button is clicked, the **Format Cell** pop-up dialogue displays, which contains the additional formatting options pertaining to individual cells.



- b. If the **Format row** button is clicked, the **Format Row** pop-up dialogue displays, which contains the additional formatting options for rows.



- c. If the **Format column** button is clicked, the **Format Column** pop-up dialogue displays, which contains the additional formatting options for columns.



Process Changes

No changes to current processes are required.

30. Ability to load supplemental data

Overview

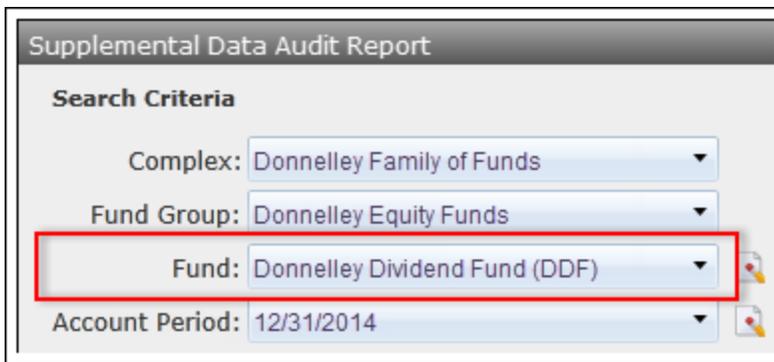
Users can now load supplemental data items by means of a push-button Excel data import or an automated secure FTP dataload.

What's New

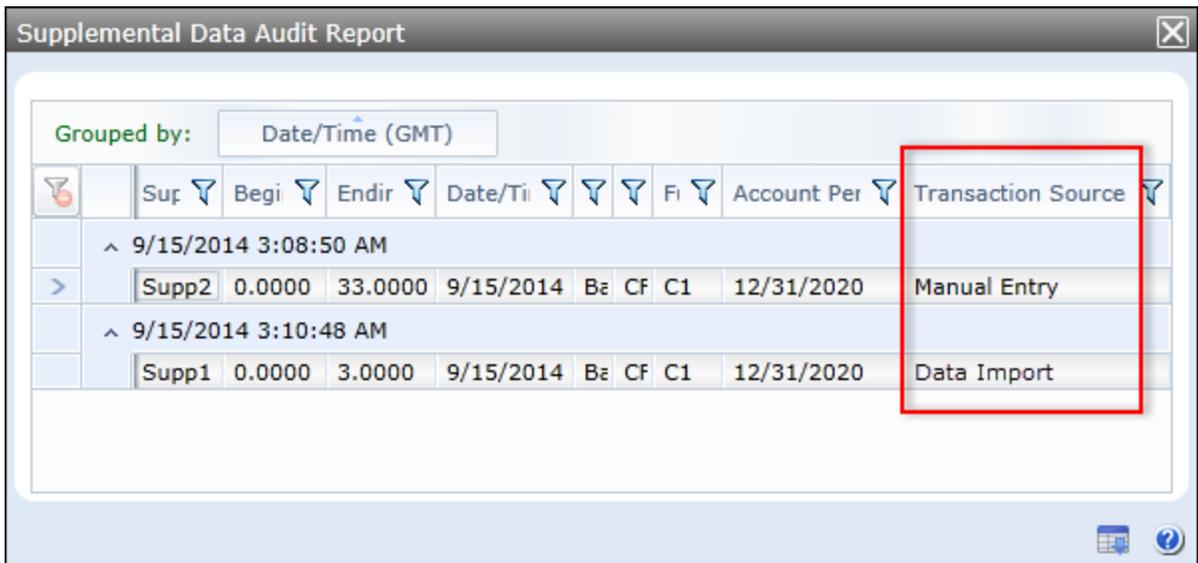
1. An **Import data** button was added at lower-right of the **Supplemental Data** tab on the **Financial Workbook** page, through which users can import supplemental data from an Excel (XLS) data source file. Users can now also load supplemental data via secure FTP from a tab-delimited text (TXT) data source file.
 - a. Data intended for processing in a push-button data import must be in the first (leftmost) worksheet of the Excel workbook, and the name of the worksheet must be **Sheet1**.
 - b. The load supports multiple funds/account periods in a single load.
 - c. Columns in the data source file are as follows:
 - i. **AccountPeriodEnd** (required)
 - A. The record will be rejected (not loaded) if no account period is provided for a given supplemental data item, and a specific error message will be logged.
 - B. The date specified must match an existing period in FundSuiteArc.
 1. The record will be rejected (not loaded) if there is not a corresponding account period in the database, and a specific error message will be logged.
 - C. Dates must be in **mm/dd/yyyy** format for XLS or TXT source files (e.g., **07/31/2013**).
 - ii. **FundCode** (required)
 - A. The record will be rejected (not loaded) if no fund code is provided for a given supplemental data item, and a specific error message will be logged.

- B. The fund code specified must match an existing code in FundSuiteArc.
 - 1. The record will be rejected (not loaded) if there is not a corresponding fund code in the database, and a specific error message will be logged.
- iii. **BalanceTypeCode**
 - A. The column does not require a value in the source file.
 - B. Lack of a balance type code value for a given row implies that the balance is of the *default* type, and data will be loaded for that type.
 - C. If a balance code is specified, it must match an existing code in FundSuiteArc.
 - 1. The record will be rejected (not loaded) if there is not a corresponding balance type code in the database, and a specific error message will be logged.
- iv. (dynamically-generated supplemental data item name(s))
 - A. The name(s) of the column(s) generated correspond to the supplemental data item(s) defined for the financial workbook template's assigned chart of accounts.
 - B. The data source file can omit columns representing supplemental data points found in a financial workbook template's assigned chart of accounts.
 - C. If the text of a given column header does not match a supplemental data item in the chart of accounts for the specified fund, data in that column will not be loaded, and an error message will be logged.
- d. Load logic for both Excel and FTP imports is as follows:
 - i. If any records in the data source file specify an account period which has a **Status** of *Closed* for the specified fund (in either ArcFiling or ArcReporting), the entire load will be automatically rejected and a specific error message will be logged.
 - ii. If a balance set representing the specified **AccountPeriodEnd**, **FundCode** and **BalanceTypeCode** combination for a given row does not exist in the database, the record will not be loaded and an error message will be logged.
 - iii. If more than one record in the data source file exists with the same combination of **AccountPeriodEnd**, **FundCode** and **BalanceTypeCode** values, all such records in the file will be rejected (not loaded), and an error message will be logged.

2. A **Get import template** button was added at lower-right of the **Supplemental Data** tab on the **Financial Workbook** page, through which users can download a template for the Excel push-button data import.
3. Functionality of the existing **Export data** button on the **Supplemental Data** tab of the **Financial Workbook** page was changed to request Excel (XLS) output via the Output Queue.
 - a. The generated file is formatted to meet the requirements of a data import source file.
4. The display of selections in the **Fund** drop-down list in the **Search Criteria** section of the **Supplemental Data Audit Report** page was updated to show the fund code in parentheses after the fund name.



5. A **Transaction Source** column was added to the results grid of the **Supplemental Data Audit Report** page.



- a. For updates to balances via the application user interface, the column displays *Manual Entry*.
 - b. For records representing a dataload/data import, the column displays *Data Import*.
6. The *Editing User* column of the grid on the **Supplemental Data Audit Report** page was updated to support both FTP dataloads and Excel data imports.
 - a. For automated FTP dataloads, the column displays *FTP*.
 - b. For push-button Excel data imports, the column displays the name of the user who carried out the import.
7. A *Supplemental Data* selection was added to the existing *Load Type* search criteria drop-down list on the **Archive** page, and the page logic was updated to display results of dataloads/data imports of that type.
8. The **Archive Details** page was updated to display load file details and errors/warnings for Supplemental Data dataloads/data imports.

Process Changes

No changes to current processes are required.

31. Financial and portfolio statement Project Output Validation Report

Overview

Users can now generate a report that lists all the total rows within a financial or portfolio statement template whose children rows do not sum to the value displayed in the project output. This report can be run via the **Project** page.

What's New

A *Project Output Verification Report (Excel)* check box option was added to the *Output Validation* section of the *Output Management* tab on the **Project** page.

ts Supporting Schedules Supporting Documents Production Procedures Output Management

Current Draft Version: 6

Output Document Type

- PDF
- Word
- EDGAR (HTML)
- Excel
- XBRL

Output Blackline Type

- PDF Blackline (Financial) From draft: 6 ▼
- PDF Blackline (Strikethrough) To draft: 5 ▼
- PDF Change Pages Clean
- PDF Change Pages Blackline (Financial)

Output Options

- Include Bannerline (PDF only)
- Hide Bleeds (PDF only)

Output Validation

- Missing Output Settings Report (Excel)
- Project Output Validation Report (Excel) ←

[Select all](#) [Clear all](#)

1. The check box is always enabled (whether or not any **Output Document Type** check boxes are selected).
2. If this check box is selected and the **Generate output** button is clicked, a separate request is sent to the Output Queue for a report that lists "total"-type line items in the current project's financial and/or portfolio statements whose respective output values do not equal the system's corresponding calculated values.
 - a. If one or more **Output Document Type** check boxes are also selected, the project output validation report request will not be submitted to the Output Queue until after completion of the document output request(s).
 - b. Project output validation report requests will only return to the Output Queue; the requests will not be stored as part of the project on the **Drafts** tab of the **Project** page.

- c. The report will check each total row for each portfolio and financial statement in the current project, according to the following logic:
 - i. The values resulting after output rules have run will be used.
 - A. This ensures that the same data sent to the rendering engine is used for the report.
 - ii. All calculations will use values that are displayed in output:
 - A. No additional rounding will be done.
 - B. No additional footing will be done.
 - iii. Financial statement tables:
 - A. Pivoted-orientation financial statements are not supported (*i.e.*, values in such statements will not be evaluated in the report).
 - B. All columns within the statement table will be checked.
 - C. Each of any of the following numeric data points that is on a total line will be checked:
 - 1. **HorizontalTotalPeriod1**
 - 2. **HorizontalTotalPeriod2**
 - 3. **HorizontalTotalPeriod3**
 - 4. **HorizontalTotalPeriod4**
 - 5. **HorizontalTotalPeriod5**
 - 6. **Value**
 - 7. **Value2**
 - 8. **Value3**
 - 9. **Value4**
 - 10. **Value5**
 - 11. **Value6**
 - 12. **Value7**

13. **Value8**
14. **Value9**
15. **Value10**

D. The following row types will not be calculated:

1. Subtotals (*i.e.*, nested totals)
2. Suppressed lines
3. Custom totals (*i.e.*, calculation sheet items that sum other calculation sheet items)

iv. Portfolio statement tables:

A. Only current period values will be summed; any values coming from periods other than the current period will not be considered.

B. Each of any of the following numeric data points that is on a category subtotal, *Total Investments* or *Net Assets* line, will be checked:

1. **Accrued Interest**
2. **Base Currency Bought**
3. **Base Currency Sold**
4. **Base Unit Price**
5. **Bought**
6. **Commitments**
7. **Contract Rate**
8. **Cost**
9. **Coupon Rate**
10. **Local Cross Trade**
11. **Local Currency Bought**

12. *Local Currency Sold*
13. *Local Unit Price*
14. *Market Value*
15. *Market Value Ask*
16. *Market Value Bid*
17. *Multiplier*
18. *Notional Amount*
19. *Option Premium*
20. *Percent of Net Assets*
21. *Percent of Total Investments*
22. *Price Ask*
23. *Price Bid*
24. *Proceeds*
25. *Purchase Amount Base*
26. *Purchase Amount Local*
27. *Purchase Cost*
28. *Shares*
29. *Sold*
30. *Sold Amount Base*
31. *Sold Amount Local*
32. *Strike Price*
33. *Unrealized Value*

- C. The following row types will not be calculated:
1. Subtotals (*i.e.*, the sum of the positive/negative split of securities)
 2. Values on headers (*i.e.*, the sum of the detail rows that make the total)
 3. *Other Assets* line items (*i.e.*, the sum of the underlying formula that came to the *Other Assets* values)
 4. Formulas (*i.e.*, the sum of categories that came to the output *Formula* value)
 5. *Aggregated Securities* (*i.e.*, the sum of the underlying securities that came to the *Aggregated Securities* total)
 6. *Other Securities* (*i.e.*, the sum of the underlying securities that came to the *Other Securities* total)
 7. Suppressed lines
 8. Groups
 9. Stacks
 10. *Securities Single*
- d. One Excel (XLS) file is created, with one worksheet tab containing all missing output settings data for the financial and/or portfolio statement template(s).
- i. The worksheet tab is named *Sheet1* (the Excel default).
- e. The report contains the following information:
- i. Header information, displaying the values specified below:
 - A. **Report Date**
 1. Displays the date and time (on the server) at which the report was run.
 - B. **Generated By**
 1. Displays the name of the user that ran the report in *Last Name, First Name* format.

C. **Complex**

1. Displays the name of the complex with which the project is associated.

D. **Project**

1. Displays the name of the project.

E. **Account Period**

1. Displays the account period specified in the fund selection bar at the time the report was run.

ii. Data from the following columns:

A. **Statement Type**

1. Displays one of the following values, dependent on the base type of the statement:

- a. *Financial*
- b. *Portfolio*

B. **Data Point**

1. Displays the name of the field for which a discrepancy was found between output value and calculated value.

C. **Line Item**

1. Displays the row number of the item in the statement (e.g., *Row Number 4*).
2. This is a row count done by the report and is a representation of the row number after suppression and any other application functionality,

D. **Check Type**

1. Displays the type of validation check performed.
2. In version 2.2.0, *Standard* is the only existing validation check type; future versions of ArcReporting may include other types.

E. **Column Number**

1. Displays the numeric column number that has the calculation issue.

F. **Output Value**

1. Displays the value that displays in project output.

G. **Calculated Value**

1. Displays the value calculated by the report logic.

H. **Project Location**

1. Displays the location within the project template structure that the statement template resides.
 - a. Repeat groups are respected.
 - b. All Funds - Single
 - i. Chapters, sections and items are separated by a greater-than symbol (>) (e.g., *Primary Statements > Primary Statements > Balance Sheet*).
 - c. All Funds - Repeat
 - i. Chapters, sections and items (and associated fund code) are separated by a greater-than symbol (>) (e.g., *Primary Statements > Primary Statements > Balance Sheet (ABCD)*).

Additional Information

- If any statement detail rows do not display a data point that is part of the total, the sum will never match, and the row(s) will always display in the report.
- For financial statements, if no "total"-type rows are found, no calculation/compare will be carried out.
- For portfolio statement templates, if no category total, *Total Investments* or *Net Assets* rows are found, no calculation/compare will be carried out.
- Unlinking and editing of financial or portfolio statement templates within a project template removes the underlying code tagging upon which the report is based, which will result in incorrect report calculations.

- If the output value of all "total"-type line items equals the respective system-calculated value, the message *(no validation errors were found)* displays in the output file.

Process Changes

No changes to current processes are required.

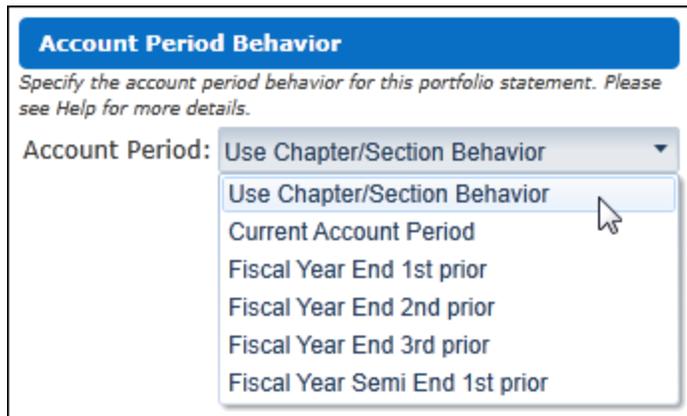
32. Ability to override chapter/section account period setting for individual portfolio statement templates

Overview

Users can now override chapter- or section-level **Account Period Behavior** settings to display any given portfolio statement template in a chapter or section for different account periods. This functionality is needed in situations with multiple-fund books, where current and prior period statements are shown for each fund within a single chapter or section.

What's New

An **Account Period Behavior** section and associated **Account Period** drop-down list were added at lower-right of the **Structure** tab of the **Document Structure Templates** page, for items of type **Portfolio**.



1. Users may wish to use this functionality to display data for an historical account period.
2. The **Account Period** specified at the portfolio statement template level supersedes the **Account Period** behavior setting at the chapter or section level.

3. Available selections for the statement template-level **Account Period** setting are as follows:
 - a. *Use Chapter/Section Behavior*
 - i. When this selection is specified, the **Account Period** behavior designated for the template's containing chapter or section will be used.
 - ii. This is the default selection for all newly-added portfolio statement templates, and for all existing portfolio statement templates upon database update to version 2.2.0.
 - b. *Current Account Period*
 - c. *Fiscal Year End 1st Prior*
 - d. *Fiscal Year End 2nd Prior*
 - e. *Fiscal Year End 3rd Prior*
 - f. *Fiscal Year Semi End 1st Prior*

Process Changes

No changes to current processes are required.

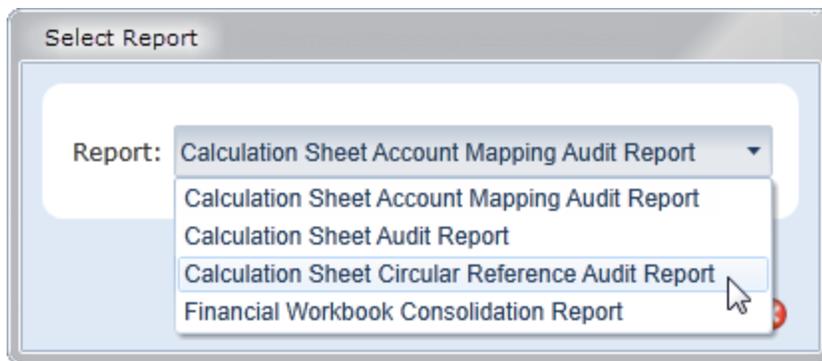
33. Calculation Sheet Circular Reference Audit Report location change

Overview

The existing Calculation Sheet Circular Reference Audit Report is now generated from the **Calculation Sheets** tab of the **Financial Workbook** page.

What's New

1. The button at the bottom of the **Calculation Sheets** tab of the **Financial Workbook Templates** page formerly used to generate the Calculation Sheet Circular Reference Audit Report (🔄) was removed from the tab.
2. The Calculation Sheet Circular Reference Audit Report is now generated via a **Report** drop-down list selection of the same name on the **Select Report** dialogue invoked from the **Generate reports** button (📄) on the **Calculation Sheets** tab of the **Financial Workbook** page.



- a. The report output is the same as in previous versions of FundSuiteArc.

Process Changes

To generate the Calculation Sheet Circular Reference Audit Report, users must now click the **Generate reports** button at lower-right of the **Calculation Sheets** tab of the **Financial Workbook** page, as opposed to the button on the **Calculation Sheets** tab of the **Financial Workbook Templates** page.

34. Historical Data Audit Report

Overview

Changes made to historical data within financial workbooks are now captured in a new Historical Data Audit Report. The report is accessed via the **Reports** menu section on the *Reporting Workspace* tab. A button to navigate directly to the report is also now available on the *History* tab of the **Financial Workbook** page.

What's New

1. A new **Historical Data Audit Report** page was added to ArcReporting, through which users can generate a listing of changes made to closed-period financial statement balances via the *History* tab of the **Financial Workbook** page. The page is accessed via a new menu item of the same name, under the **Reports** menu section on the *Reporting Workspace* tab.

Note:

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

- a. Users can narrow report results by any of the following filters in the *Report Result Filters* section at the top of the page:
 - i. **Complex**
 - A. The drop-down list contains all complexes to which the current user has access, and the selection defaults to the first complex (alphabetically) in the list.

Note:

When the page is opened via the *Historical data audit report* button on *History* tab of the **Financial Workbook** page, the complex associated with that workbook template is selected by default.

ii. **Fund Group**

- A. The drop-down list contains all fund groups associated with the selected complex, as well as a **[None]** selection.

Note:

The fund group specified in the fund selection bar is the default selection when the page is opened, as is the case when the page is opened via the **Historical data audit report** button on the **History** tab of the **Financial Workbook** page.

iii. **Fund**

- A. The drop-down list contains all funds associated with the selected fund group, as well as a **[None]** selection.

Note:

The fund specified in the fund selection bar is the default selection when the page is opened, as is the case when the page is opened via the **Historical data audit report** button on the **History** tab of the **Financial Workbook** page.

iv. **Account Period****Note:**

The account period specified in the fund selection bar is the default selection when the page is opened, as is the case when the page is opened via the **Historical data audit report** button on the **History** tab of the **Financial Workbook** page.

v. **Project**

- A. The drop-down list contains all projects associated with the selected account period, as well as a **[None]** selection.

Note:

When the page is opened via the **Historical data audit report** button on **History** tab of the **Financial Workbook** page, the project specified there is selected by default.

vi. **Statement**

- A. The drop-down list contains all statements associated with the selected project, as well as a **[None]** selection.

Note:

When the page is opened via the **Historical data audit report** button on **History** tab of the **Financial Workbook** page, the statement specified there is selected by default.

vii. **Editing User**viii. **From Date**ix. **To Date**

- b. Once the user sets the desired filter(s), they can export the report by clicking the export button (📄) at lower-right of the page.

Note:

Currently, the only available output format is Excel.

- c. When the user clicks the export button, a pop-up confirmation dialogue displays, asking whether they wish to generate a report based on the specified filter set.
 - i. If the user clicks the **Yes** button on the dialogue, a second message displays, informing them that the request has been sent to the Output Queue, where the report can be retrieved once the export is complete.
- d. Once the export is complete, the user can retrieve the file from the Output Queue and download it for viewing.

Note:

The results are only returned via the Excel file in the Output Queue; they are not displayed on the **Historical Data Audit Report** page.

- i. The Excel report contains a header showing which filters were selected:

A. **Report Date**

1. Displays the date and time the audit report was run.

B. **Generated By**

1. Displays the name of the user who ran the audit report.

C. **Complex**

1. Displays the name of the selected complex.

D. **Fund Group**

1. Displays either the name of the selected fund group or *[None]* if one was not selected.

E. **Fund**

1. Displays either the name of the selected fund or *[None]* if one was not selected.

F. **Account Period**

1. Displays the selected account period.

G. **Project**

1. Displays either the name of the selected project or *[None]* if one was not selected.

H. **Statement**

1. Displays either the name of the selected statement or *[None]* if one was not selected.

I. **Editing User**

1. Displays either the name of the selected editing user or *[Unassigned]* if one was not selected.

J. **From Date**

1. Either displays the specified **From Date**, or the cell is blank if no date was specified.

K. **To Date**

1. Either displays the specified **To Date**, or the cell is blank if no date was specified.

- ii. The following columns display beneath the report header, containing the report results. The report results represent each instance in which a historical value was changed, either manually or via data import, for the selected filter criteria:
- A. **<Column A>**
 - 1. Displays a numeric value from *1* to *n*, representing the row number of each item listed.
 - B. **Fund Name**
 - 1. Displays the name of the fund with which the change is associated.
 - C. **Fund Code**
 - 1. Displays the code of the fund with which the change is associated.
 - D. **Project**
 - 1. Displays the name of the project with which the change is associated.
 - E. **Statement**
 - 1. Displays the name of the statement with which the change is associated.
 - F. **Historical Period**
 - 1. Displays the reporting period with which the change is associated.
 - G. **Caption**
 - 1. Displays the statement line item text/caption with which the change is associated.
 - H. **Base Class**
 - 1. Displays the name of the class with which the change is associated.
 - 2. If no class is associated with the change, the cell will be blank.
 - I. **Value**
 - 1. Displays the value column to which the changed value is mapped, for statements that have multiple columns within a single reporting period (*i.e.*, *Value 1*, *Value 2*,

Value 3, etc.).

J. **Value Type**

1. Displays the type of the value that was changed (i.e., *Footed*, *Raw* or *Rounded*).

K. **Before**

1. Displays the value of the item before the change was effected.

L. **After**

1. Displays the value of the item after the change was effected.

M. **Date/Time**

1. Displays the date and time at which the change was made in *mm/dd/yyyy hh:mm:ss AM/PM* format.

N. **Editing User**

1. Displays the name of the person who effected the change in *Last Name, First Name* format.

2. A button to open the Historical Data Audit Report (📄) was added at lower-right of the **History** tab on the **Financial Workbook** page.

Note:

The new *Open Historical Data Audit Report Page* user right is required to use this button. If a user does not have this right, an **Insufficient Rights** pop-up dialogue displays when the button is clicked (and the report page will not open).

- a. Clicking the button causes the new **Historical Data Audit Report** page to open.
 - i. When the page is opened, the **Complex**, **Fund Group**, **Fund** and **Account Period** drop-down lists in the **Report Result Filters** group box will be pre-populated to reflect the corresponding selections in the fund selection bar. The **Project** and **Statement** drop-down lists will be pre-populated to reflect the properties of the currently-selected financial statement.

Process Changes

No changes to current processes are required.

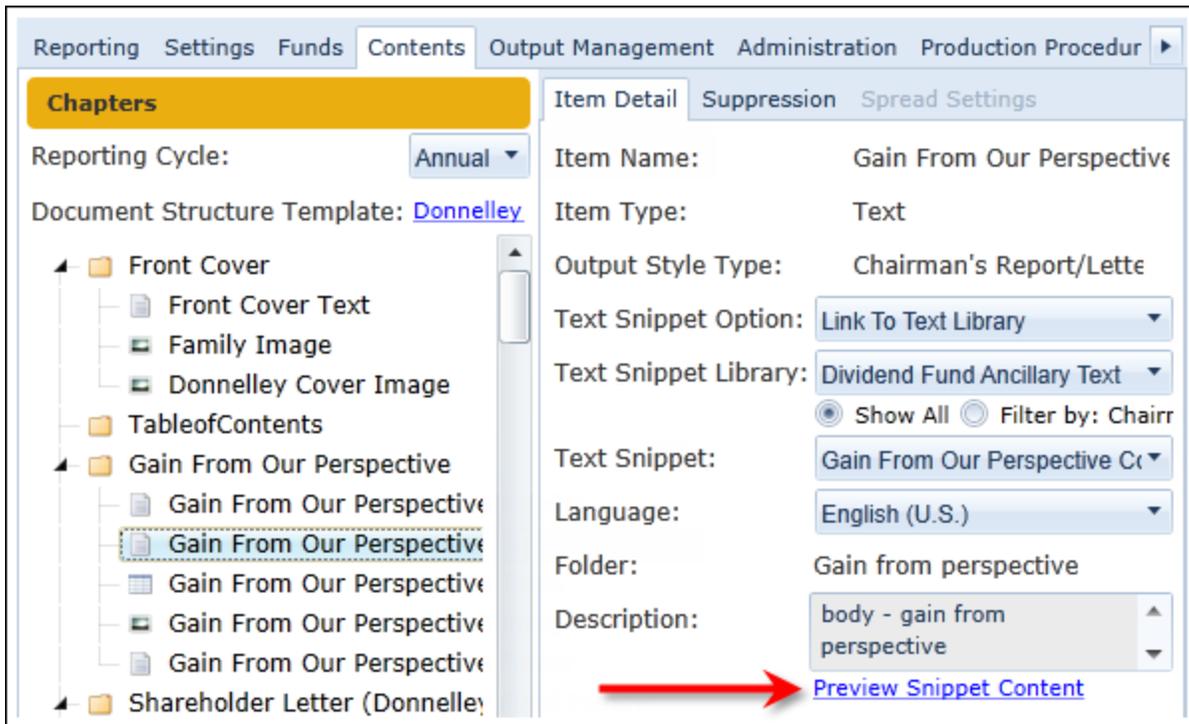
35. Ability to preview text snippets in project templates

Overview

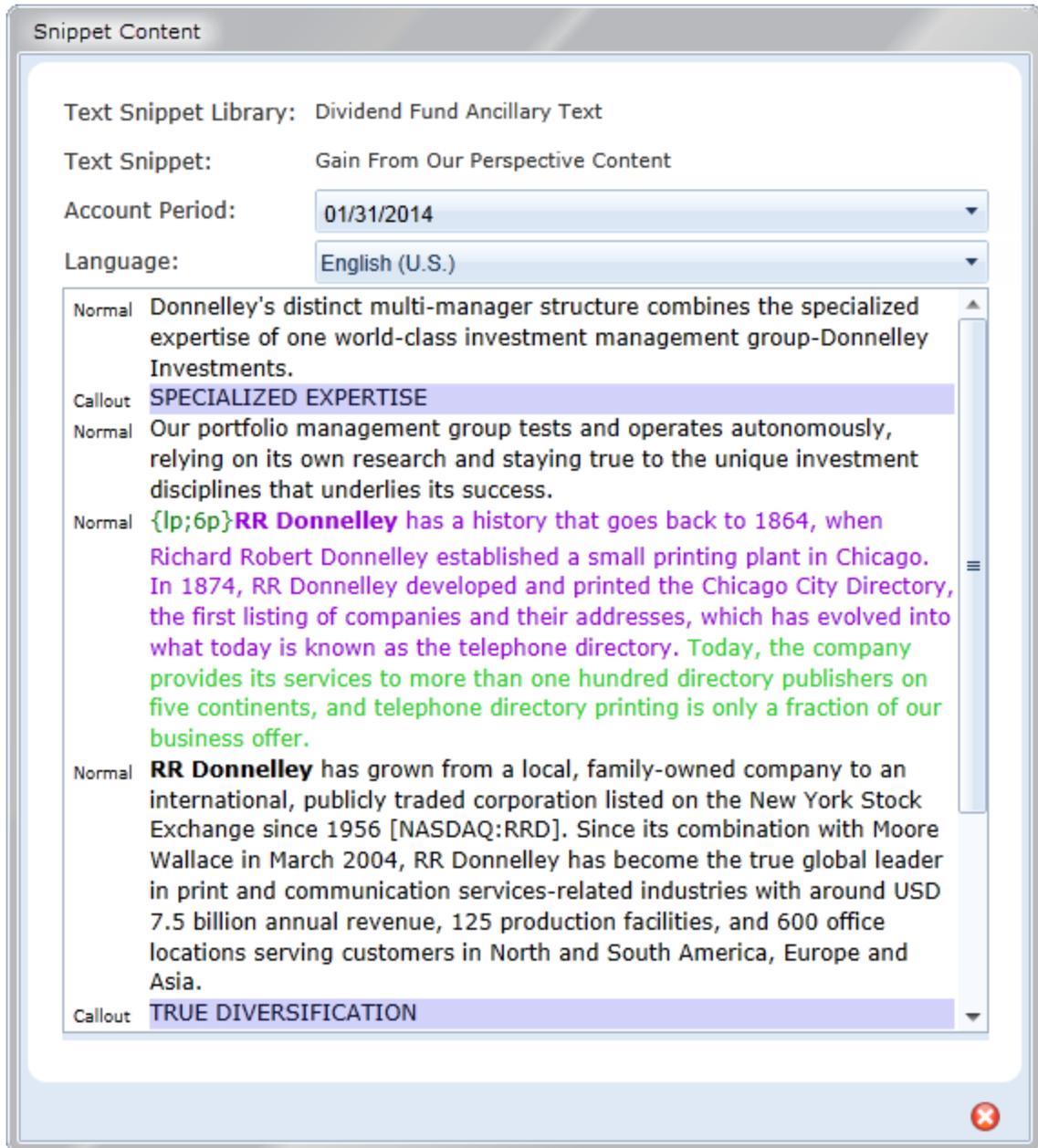
Users can now view the content of assigned snippets via the **Project Template** page.

What's New

A **Preview Snippet Content** hyperlink is now displayed on the **Item Detail** sub-tab of the **Project Templates** page for items of type **Text**, whose text snippet option is either **Link To Text Library** or **Copy From Text Library**.



1. A **Snippet Content** pop-up dialogue displays when a user clicks the *Preview Snippet Content* hyperlink.



- a. The name of the selected text snippet and its associated library display at the top of the dialogue.
- b. An **Account Period** drop-down list displays beneath the text snippet name, through which the user may select any account period for which snippet content exists.
 - i. The most current account period for which content exists for the selected snippet is selected initially.
- c. A **Language** drop-down list also displays at the top of the dialogue.
 - i. If the selected snippet is set as having the same content for all languages, the **Language** drop-down list will be disabled.
 - ii. If the selected snippet has distinct content for the various languages associated with its library, the **Language** drop-down list will be enabled.
 - A. The first language listed on the **Languages** tab of the **Text Libraries** page for the snippet's associated library is selected initially.
 - B. Selecting any given language from the drop-down list will display the snippet text associated with that language and the specified account period.
- d. A scrollable, read-only text box displays the snippet content associated with the specified account period and language.

Process Changes

No changes to current processes are required.



Appendix A: Special Character Support

The following ASCII and non-ASCII characters, codes, symbols and signs are supported in FundSuiteArc for use in project output.

General					
— (em dash)	%)	/	{	;
~	^	- (hyphen)	\	}	,
!	&	_ (underscore)	<	['
@	*	=	>]	"
#	(+	?	:	

Currency symbols not in ASCII code					
\$	₪	₱	﷼	₩	₹

Slovakian characters not in ASCII code
Č

Characters in ASCII code					
€	™	±	Æ	Ü	ñ
,	š	²	Ç	Ý	ò
f	›	³	È	Ɔ	ó
”	œ	´	É	ß	ô
…	ž	µ	Ê	à	õ
†	ÿ	¶	Ë	á	ö
‡	ı	·	İ	â	÷

Characters in ASCII code					
^	¢	¸	í	ă	ø
‰	£	¹	î	â	ù
Š	¤	º	ï	ã	ú
<	¥	»	ð	æ	û
Œ		¼	Ñ	ç	ü
Ž	§	½	Ò	è	ý
‘	¨	¾	Ó	é	þ
’	©	¿	Ô	ê	ÿ
“	ª	À	Õ	ë	
”	«	Á	Ö	ì	
•	¬	Â	×	í	
– (en dash)	®	Ã	Ø	î	
— (em dash)	–	Ä	Ù	ï	
~	°	Å	Ú	ð	



Closed Defects

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

Product	Module / Location	Description
ArcReporting	Financial Statement Template Output Settings	Corrected financial statement value display logic to ensure that a dash symbol displays when the <i>Dash (-)</i> selection is specified for the <i>Rounded To Zero Display</i> output setting.
ArcReporting	Financial Workbook, Trial Balance tab(s)	Fixed a defect whereby underlying class-level information for accounts would not participate in footing if the <i>Allow this item to be adjusted for footing</i> check box was cleared for the trial balance item to which the accounts were assigned.
ArcReporting	Platform Administration	An <i>Open Attribute Usage Report Page (ArcReporting)</i> user right was added to FundSuiteArc in a previous product release, however the " (ArcReporting)" portion of the right name should not have been included, as it was not in the specification. The user right name was corrected in this release to be simply <i>Open Attribute Usage Report Page</i> .



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