



FundSuiteArc Version 1.10.0 Release Notes

ArcReporting 1.10.0

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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

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



Enhancements Requiring User Decisions

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



Known Issues in ArcReporting

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

1. Page references will not display a "?" in financial statement preview

Overview

The *Ability to reference page and note numbers in financial statements and within snippet or footnote text* section of this document (starting on page 37) includes a figure that depicts statement preview on the **Project** page, with a question mark symbol (?) displaying where a page or note reference will display in statement output. This behavior is not currently reflected in the statement preview pane of the **Project** page, but will be resolved in a future product release. This defect does not affect the overall functionality and the appropriate page or note number will appear in PDF output.

Process Changes

No changes to current processes are required.

2. Images do not preview on Project page

Overview

The **Project** page is intended to include functionality that allows images of certain types (*i.e.*, *.jpg* and *.png*) to be previewed. This feature is not fully functional at present, however. Images of these types can currently be previewed via the **Image Libraries** page and the images will appear successfully in generated output.

Note:

- FundSuiteArc does not currently support previewing other images types (*i.e.*, *.eps*, *.bmp*, *.gif* or *.tif*) in any area of the application.
- The use of *.eps* images in project content is highly recommended for best results when generating PDF output.

Process Changes

No changes to current processes are required.

3. Project instance creation defect when loading Fund Holdings data

Overview

Typically, ArcReporting will automatically create a project instances associated with the account period for which Fund Holdings data is loaded if the projects do not already exist. A defect was identified that prevents a given account period from being automatically assigned to the associated complex(es) when loading holdings data to periods for which projects do not already exist. The result is that the project instances are not created for that account period. In this situation, the user can add the account period to the complex(es) via the **Fund Report Settings** page and the project instances will be created.

Note:

If the account period is already associated with the appropriate complex(es), the creation of project instances is not impacted.

Process Changes

No changes to current processes are required.



Release Notes Summary

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

1. Enhancements Common to Multiple Products

1. Ability to open projects for closed account periods

Projects associated with closed account periods now display as selections in the **Project** drop-down list on the **Project** page. This functionality allows users to view historical portfolio, financial and other data. This also allows users to view historical drafts that were created for closed-period projects.

2. Text Snippet audit report

A new audit report was added to ArcReporting that tracks the addition of new snippets and edits to existing snippets within the text libraries. The audit report displays who made the changes, when they were made and provides "before" and "after" versions of the affected snippet text.

3. User-controlled output style functions

Several output controls were added that allow users to keep text, tables and portfolio levels from breaking across columns or pages. Space above rows and column widths within tabular data templates and portfolio statement templates can also now be controlled by the user overriding values defined in the style template.

2. Enhancements to ArcReporting

1. Charting enhancements

ArcReporting was enhanced to allow the upload of specifically formatted Excel files containing chart information to a project. FundSuiteArc communicates the provided chart information to the chart rendering service and displays a JPG preview of the chart in the viewing pane of the **Project** page. An EPS image of the chart is inserted in project output of Word and PDF formats. ArcReporting was also enhanced to allow users to unlink and edit chart data sourced from portfolio statements, financial statements, and/or tables in a project. Once updates to the data are saved, users can refresh the chart preview to see the changes.

2. Ability to mix and match currency-type calculation sheets

ArcReporting was enhanced to allow users to map currency-level trial balance items to calculation sheets of type *Classes Down/Across*.

3. Ability to add multiple conditions to conditional-type calculation sheet items

ArcReporting was enhanced to allow users to create more complex conditional calculation sheet values through use of the *Or* operator. ArcReporting was also enhanced to allow conditional values on currency-type calculation sheets.

4. Ability to reference page and note numbers in financial statements and within snippet or footnote text

ArcReporting supports the creation of automated "Notes to Financials" links to reference page and note numbers. Users can add "targets" for these links in text snippets, and placeholders for the links themselves in financial statements, snippet text and holdings or general ledger footnote text. The page or note number referenced in each link automatically populates during project output, based on the referenced text snippet's location within the document.

5. Enhancements to financial statements of pivoted orientation

Enhancements made to pivoted financial statements give users more control of the output settings. Functionality allows the user to span and apply formatting to cells and to set footnote legend options. In addition, the *Data Points* tab interface was enhanced for user friendliness.

6. Enhancements to spread output settings and auto-sequencing of financial statement footnotes

ArcReporting was enhanced to allow the auto-sequencing of footnotes attached to financial statements for statements containing multiple funds and/or account periods (*i.e.*, "spreads"). Users can determine the

location and display of the footnote legend on the financial statement.

7. Ability to pull from calculation sheet items for portfolio statement "Other Assets" value

ArcReporting was enhanced so users can pull values from calculation sheet items when calculating the **Other Assets** sections on a portfolio statement. To facilitate this functionality, a new **Other Assets Value** calculation sheet item type was added. Users must create a calculation sheet item of this type to reference this value on a portfolio statement.

8. Ability to insert conditional data points in portfolio and financial statement footnote libraries

ArcReporting was enhanced so users can add data points of type **Conditional Value** to footnote text in both the Footnote Libraries - General Ledger and Footnote Libraries - Holdings libraries.

9. Ability to reference data points from a library in financial statement line item captions

A **Data Point Libraries** page was added to ArcReporting to allow users to create conditional text and reference it within financial statement captions. In future releases of FundSuiteArc users will be able to reference the text throughout ArcReporting.

10. Ability to display up to 30 categories on the Fund Holdings page

ArcReporting was enhanced to allow up to 30 category libraries to be assigned to category types via the **Fund Report Settings** page and to be viewed on the **Fund Holdings** page. These categories can be used on portfolio statement templates to create different portfolio summaries.

11. Ability to stack and/or aggregate on fields other than a category's sort field(s)

In previous versions of ArcReporting, a user could enable "Stack" and/or "Aggregate" functionality on portfolio statement templates using only the fields that were specified on the **Sorting** tab. Users can now define fields on which to stack and/or aggregate independently from the **Sorting** settings.

12. Enhancements to portfolio statement template output options

Several new features were added to portfolio statement templates to expand current output functionality. These include the ability to prevent securities that fall in the Top "N" from being aggregated, a **Display On Condensed** data point to help determine why a security was broken out on a condensed SOI, and the ability to group like issuers or other fields when aggregating securities.

13. Enhancements to "Condensed" portfolio statement template "Top 'N'" and "Percentage" calculation settings

Condensed SOI functionality was enhanced to offer additional options when calculating the "Top 'N'" and "Percentage" security breakouts. Features were added that help meet the Summary SOI as defined in Regulation S-X, Rule 12-12C. *Top "N"* and *Percentage* functionality in FundSuiteArc can now aggregate all Fully Collateralized Repos and count them as a single security, *Top "N"* can combine all Short Term Debt securities with a like Issuer and count as a single security, and *Top "N"* can combine all Equity securities with a like Issuer and other attributes and count as a single security. Users can now also filter securities out of the "Top 'N'" count.

14. Ability to import custom footnotes

ArcReporting now allows users to designate whether or not an assigned custom footnote should be rolled forward to future account periods. In previous versions of FundSuiteArc, no custom footnotes rolled forward and the footnotes had to be loaded each account period. No change was made to footnotes linked to security library fields that will roll forward to future periods.

15. Ability to calculate "Total Investments" with predefined security types using additional fields

This functionality allows the user to specify a field other than *Market Value* to be a part of the *Total Investments* line item calculations, including *Percent of Total Investments*. The user can use the *Unrealized Value*, *Market Value - Ask* or *Market Value - Bid* field instead of *Market Value*.

16. Enhancements to portfolio statement stacking functionality

ArcReporting stacking functionality (also known as "managing duplicate captions") was enhanced allowing additional features such as indenting stack levels when previewing, setting a layout for securities that do not participate in a stack, suppressing a stack level if it is blank and ignoring or including footnotes when stacking.

17. Enhancements to portfolio statement vertical and horizontal value footing

In a previous FundSuiteArc release, functionality was added that calculates the *Cost* or *Unrealized Value* of securities instead of using the value loaded via fund holdings. These calculated fields are used to ensure that values foot vertically and horizontally in a table when the totals display for both. New functionality now allows users to reference those values in calculation sheets.

18. **New "Price Add" and "Price Bid" calculated portfolio statement fields**

In version 1.9.0, FundSuiteArc was enhanced to allow upload of the **Bid/Ask** price for a security and to have the market value and unrealized value automatically calculated for each security, based on the shares held and the cost of the security. These values can be added to calculation sheets to adjust financial statements and perform analysis, as needed. FundSuiteArc was enhanced by adding the display of six new calculable fields on the **Fund Holdings** page. These new fields can have values footed, if necessary, in project preview and output.

19. **Ability to footnote portfolio statement categories and column headers**

The **Footnote Preview and Assignment** page was enhanced so footnotes can be assigned to statement formulas. Functionality was also added that allows users to push column header footnotes to other funds. Lastly, securities that are aggregated on output are shown individually so users can assign footnotes to those securities.

20. **Sort of categories including exceptions and multiple categories within the exceptions**

Functionality was added to the **Portfolio Statement Templates** page to allow category exceptions to be sorted with other exceptions and the main category section. So if, for example, statement output needs to display categories by **Market Value** descending, this can now be accomplished even if a category exception was created.

21. **Enhancements to support fund fiscal year end changes**

ArcReporting now supports the display of changing fiscal year ends in financial statement repeat groups (standard and pivoted). When repeating for historical periods if the fund's fiscal year end changed, ArcReporting allows the user to define the changes and the statement adjusts accordingly.

22. **Additional output style types for project elements**

Additional output style types were added throughout ArcReporting to increase flexibility in output style and complexity.

23. **Enhancements to spread output settings for financial statements**

Options were added that allow users to define the display of line captions and the placement of footnote legends within multi-fund financial statements that spread over left and right pages.

24. Option to hide bleeds in PDF project output

Users can now opt to hide bleeds when publishing project content in PDF format. The pages of the resulting output display as they would in the printed document.

25. Enhancements to ArcProspectus content integration

Functionality that allows users to tag chapters within ArcReporting for use in ArcProspectus was enhanced.

26. Pivoted financial statements for currency risk tables

Over the last several product releases ArcReporting was enhanced to allow users to load general ledger accounts and holdings information by currency, to create currency risk tables that sum portfolio and trial balance information, and to display the information in a currency table. Pivoted financial statement template functionality was enhanced in this release to include a currency repeat group, which facilitates the creation of currency risk tables.



Enhancements Common to Multiple Products

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

1. Ability to open projects for closed account periods

Overview

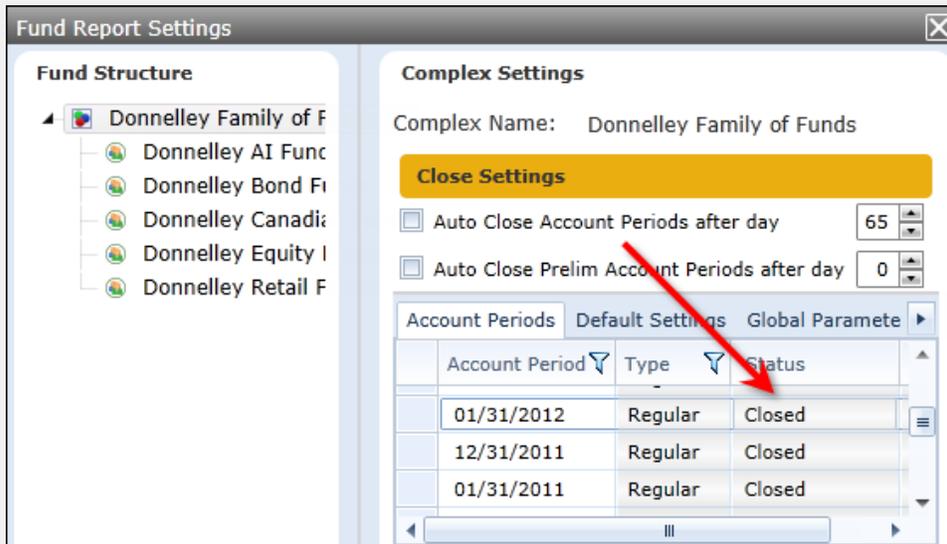
Projects associated with closed account periods now display as selections in the **Project** drop-down list on the **Project** page. This functionality allows users to view historical portfolio, financial and other data. This also allows users to view historical drafts that were created for closed-period projects.

What's New

Projects associated with an account period whose status on the **Fund Report Settings** page is **Closed** can now be selected and viewed on the **Project** page.

Example:

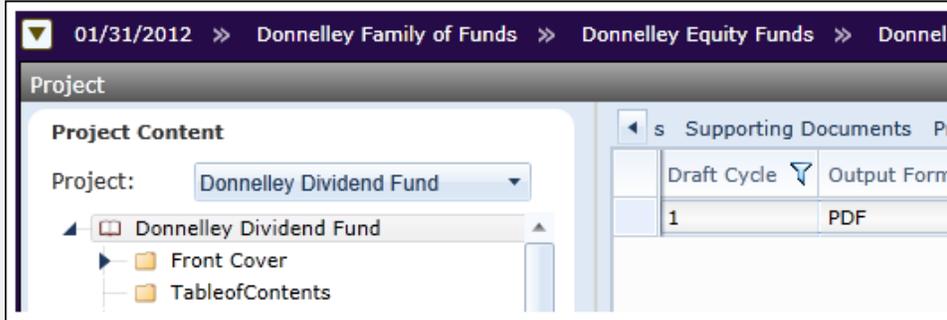
- The **01/31/2012** account period has a status of **Closed** on the **Fund Report Settings** page in association with the **Donnelley Family of Funds** complex.



The screenshot shows the 'Fund Report Settings' window. On the left, under 'Fund Structure', the 'Donnelley Family of Funds' is expanded. On the right, under 'Complex Settings', the 'Complex Name' is 'Donnelley Family of Funds'. Below this, there is a 'Close Settings' section with two checkboxes: 'Auto Close Account Periods after day' (set to 65) and 'Auto Close Prelim Account Periods after day' (set to 0). At the bottom, there is a table with columns 'Account Period', 'Type', and 'Status'. A red arrow points to the 'Status' column for the '01/31/2012' account period, which is 'Closed'. The table also shows '12/31/2011' and '01/31/2011' with 'Regular' types and 'Closed' statuses.

Account Period	Type	Status
01/31/2012	Regular	Closed
12/31/2011	Regular	Closed
01/31/2011	Regular	Closed

- When the *01/31/2012* account period and *Donnelley Family of Funds* complex are specified in the fund selection bar, the project associated with that account period and complex can be viewed on the **Project** page.



Process Changes

No changes to current processes are required.

2. Text Snippet audit report

Overview

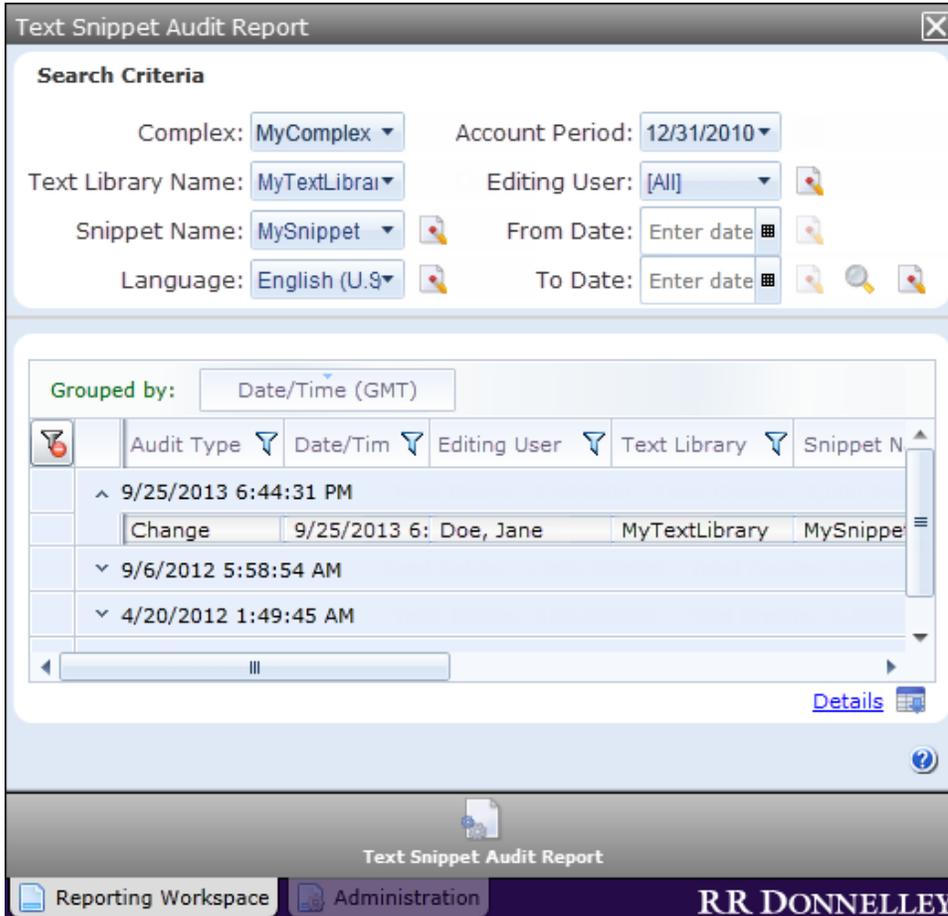
A new audit report was added to ArcReporting that tracks the addition of new snippets and edits to existing snippets within the text libraries. The audit report displays who made the changes, when they were made and provides "before" and "after" versions of the affected snippet text.

What's New

1. A *Text Snippet Audit Report* item was added to the **Notes** menu section of the *Reporting Workspace* tab in ArcReporting.



2. Users can generate reports for criteria specified on the **Text Snippet Audit Report** page.



Text Snippet Audit Report

Search Criteria

Complex: MyComplex Account Period: 12/31/2010

Text Library Name: MyTextLibrai Editing User: [All]

Snippet Name: MySnippet From Date: Enter date

Language: English (U.S.) To Date: Enter date

Grouped by: Date/Time (GMT)

Audit Type	Date/Tim	Editing User	Text Library	Snippet N
^	9/25/2013 6:44:31 PM			
Change	9/25/2013 6:	Doe, Jane	MyTextLibrary	MySnippe
v	9/6/2012 5:58:54 AM			
v	4/20/2012 1:49:45 AM			

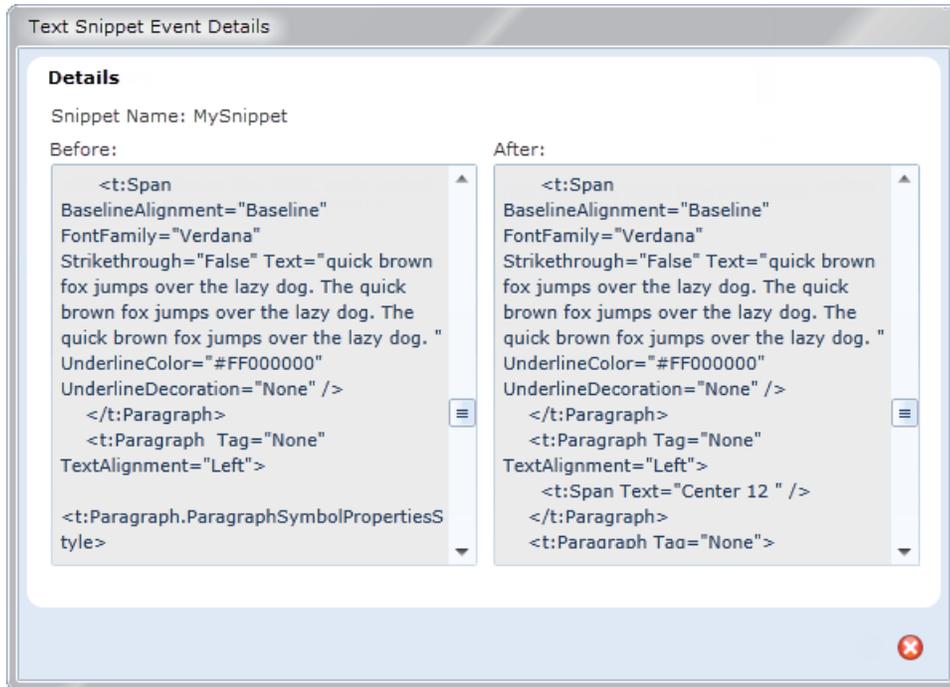
Details

Reporting Workspace Administration RR DONNELLEY

- a. After specifying one or more filtering options, click the **Search** button  at lower-right of the **Search Criteria** section to display report results.
- b. The results indicate the audit type (*i.e.*, **Add** or **Change**), the date/time of the edit, who made the edit, the text library of the affected snippet, the snippet name, the account period and language of the snippet.

- c. To identify the specific change(s) made to a snippet, click the **Details** link at lower-right of the page after selecting the corresponding result row in the grid (a row with an audit type of **Change**).

The "before" and "after" XAML code of the affected snippet displays in the **Text Snippet Event Details** pop-up dialogue.



The panes of the dialogue contain all the information in the snippet code (*i.e.*, text, formatting, spacing, etc.). Differences are not highlighted in any manner; users can copy (<Ctrl> + C) and paste (<Ctrl> + V) the text to a text/XML comparison tool to determine the differences in the "before" and "after" content, if needed. In a future release (as yet to be determined), the application will be enhanced to include a content comparison tool.

Additional Information

Changes to text snippets made prior to upgrading to version 1.10.0 will not be included in results of the Text Snippet Audit Report.

Process Changes

No changes to current processes are required.

3. User-controlled output style functions

Overview

Several output controls were added that allow users to keep text, tables and portfolio levels from breaking across columns or pages. Space above rows and column widths within tabular data templates and portfolio statement templates can also now be controlled by the user overriding values defined in the style template.

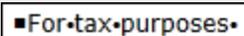
What's New

1. A **Keep With Next** button  was added to the **Paragraph** options section of the text editor ribbon on the **Text Libraries**, **Footnote Libraries – Holdings** and **Footnote Libraries – General Ledger** pages.
 - a. With highlighted text or an active cursor in the text editing pane, users can select the **Keep With Next** button to prevent a page break from being applied within or after the paragraph in project output.

Note:

This setting does not impact the display of content in the text editing pane or in the project preview; only in output.

- i. If a paragraph is set as **Keep With Next**, the button displays as "selected" when the cursor is placed anywhere within the paragraph.
- ii. When the **Toggle Format Symbols** button is selected, the **Keep With Next** setting is denoted in the text editing pane with a square bullet at the left of all impacted paragraphs.

Example:

■ For tax purposes

2. A **Keep with previous** check box was added to the **Format Items** tab of the **Tabular Data Template Output Settings**, **Financial Statement Template Output Settings** and **Portfolio Statement Template Output Settings** pages.
 - a. Selecting the check box prevents the selected row from appearing on a different column or page from the previous row in that statement in output.

Note:

- This setting does not impact the display of content in the text editing pane or in the project preview; only in output.
- For rows of type *Security*, *Aggregated Securities* or *Other Securities*, the setting only impacts the first or last security displayed for that row.

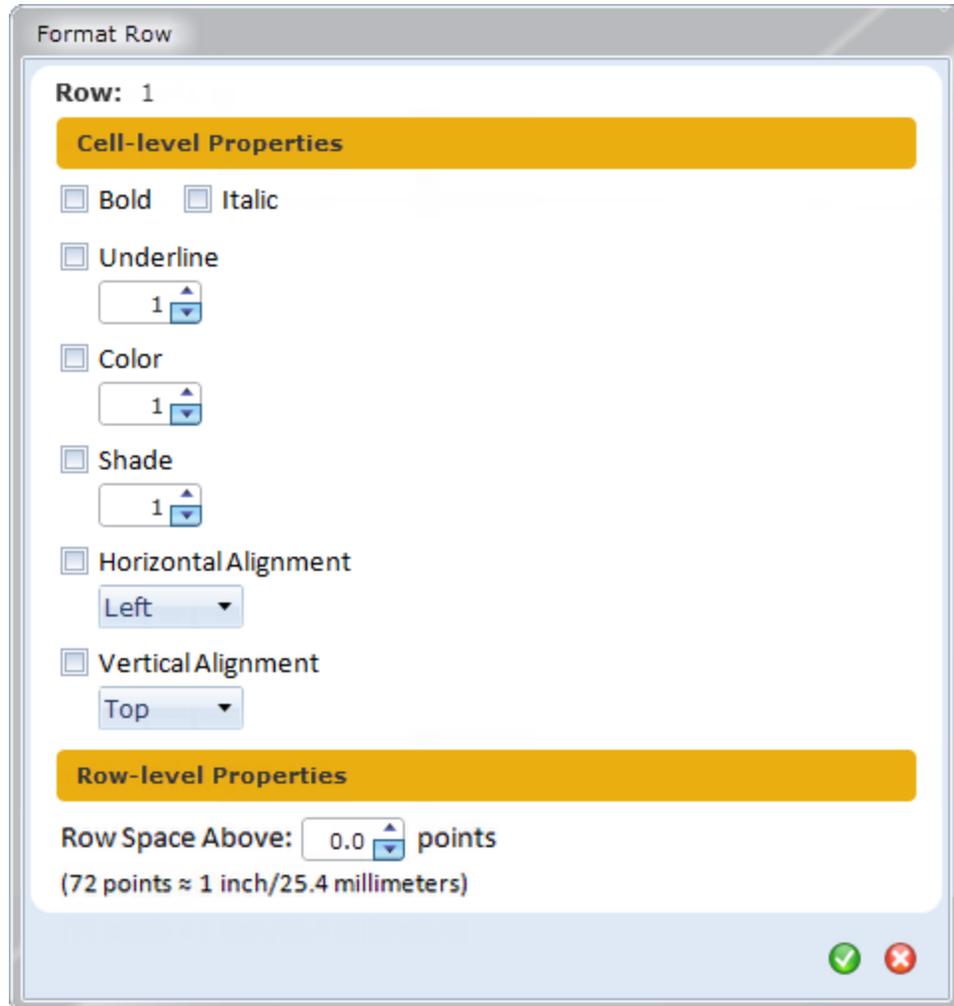
3. The following functionality was added to the **Tabular Data Template Output Settings** and **Portfolio Statement Template Output Settings** pages:

a. **Format row** button 

- i. Clicking the button causes the **Format Row** pop-up dialogue to display. Selecting and setting available cell- and row-level options allows users to override the existing template styles for that cell/row instance.

Note:

These settings do not impact the display of content in the editing pane or in the project preview; only in output.

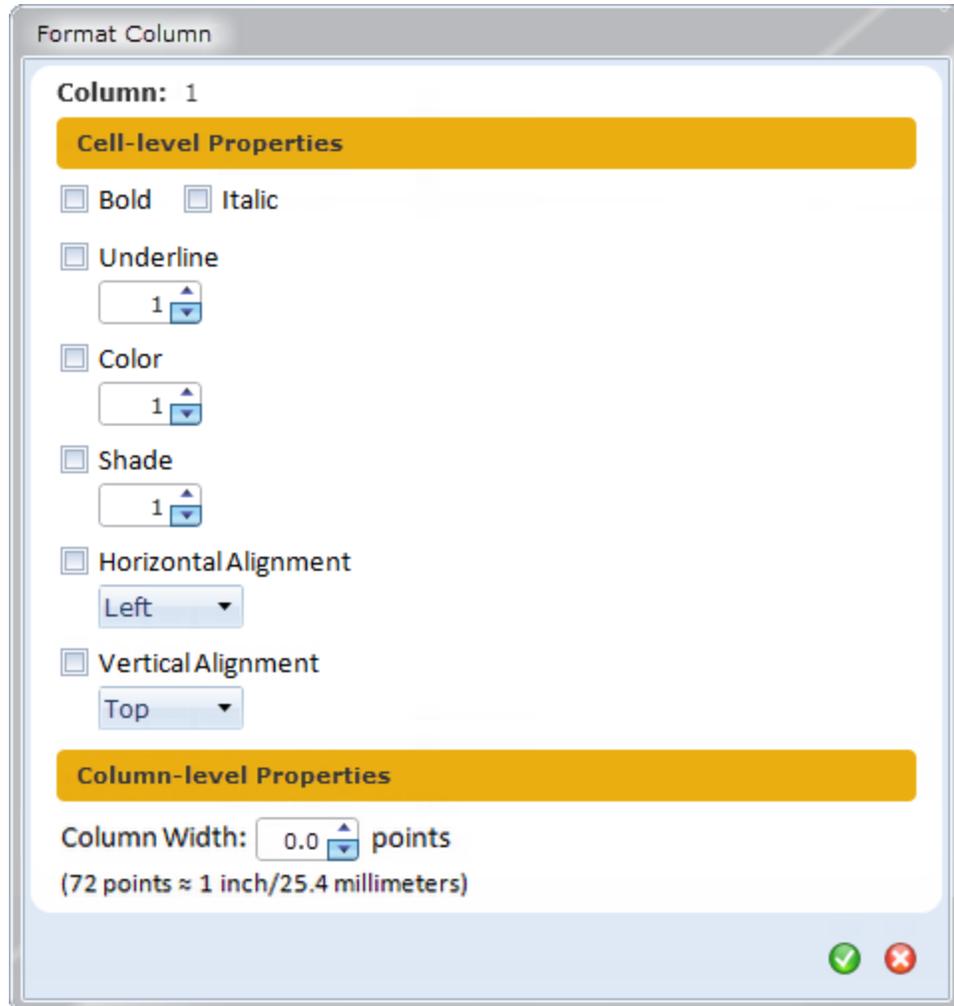


b. **Format column** button 

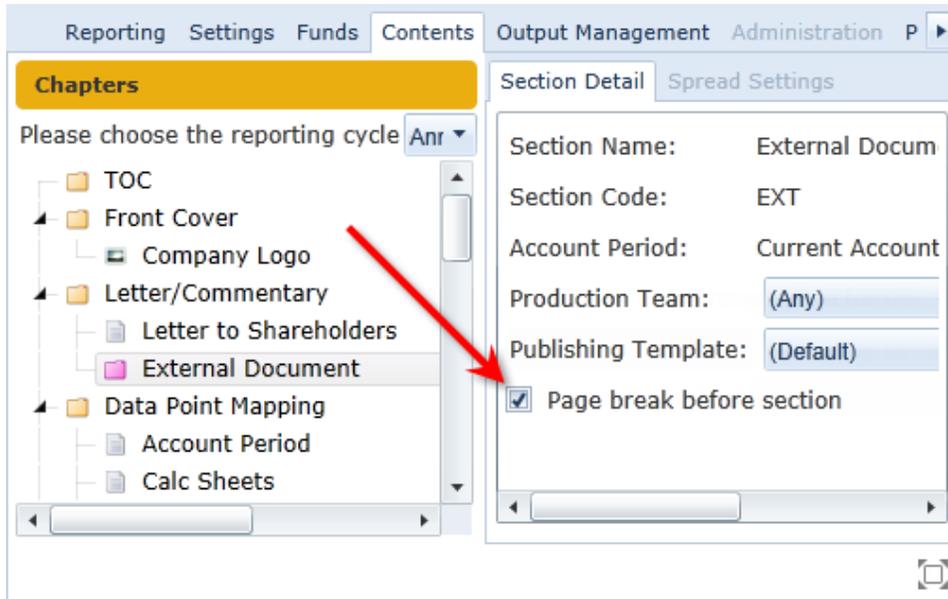
- i. Clicking the button causes the **Format Column** pop-up dialogue to display. Selecting and setting available cell- and column-level options allows users to override the existing template styles for that cell/column instance.

Note:

These settings do not impact the display of content in the editing pane or in the project preview; only in output.

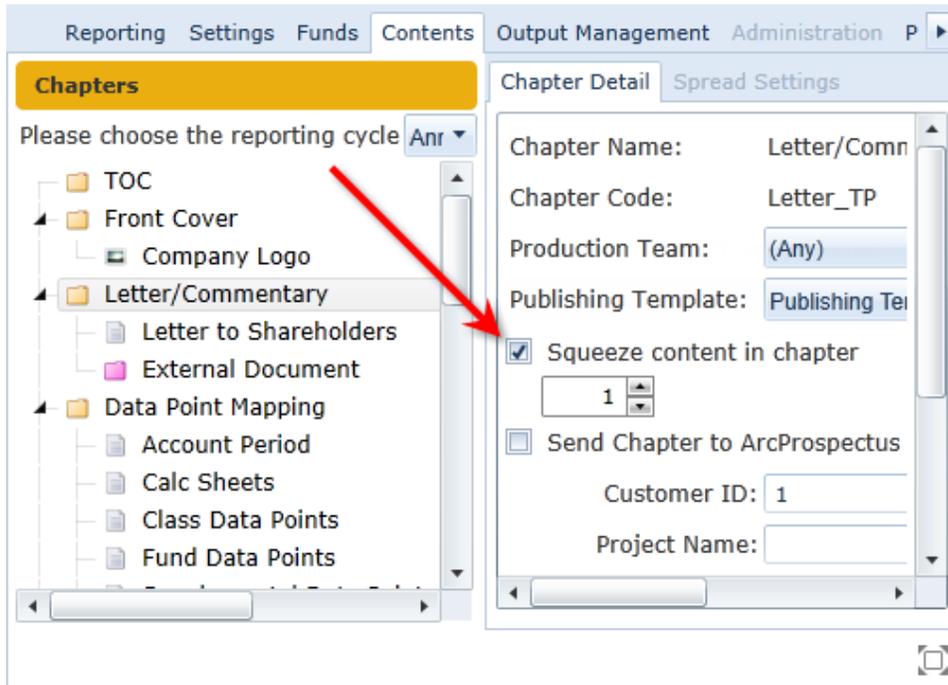


4. The following functionality was added to **Project Templates** page:
 - a. A Page break before section check box option was added to the *Section Detail* sub-tab of the *Contents* tab.



- i. Selecting the check box causes a page break to be inserted in project output before the beginning of the selected section.

- b. A Squeeze content in chapter check box option and associated spinner control were added to the *Chapter Detail* sub-tab of the *Contents* tab.



- i. Selecting the check box enables the spinner control and allows the user to specify a value of 1, 2 or 3 therein. Each value option will override the standard spacing between paragraphs and the space between the lines within the paragraphs for the selected chapter. The amount of alteration represented by each value option is defined by the client during product implementation and built into the template used for project content processing.

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. Charting enhancements

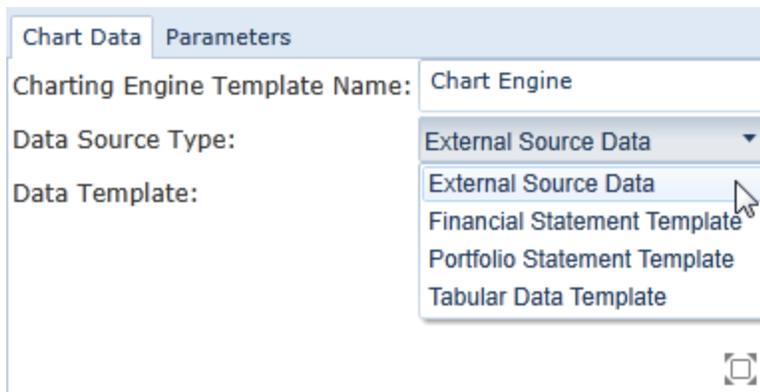
Overview

ArcReporting was enhanced to allow the upload of specifically formatted Excel files containing chart information to a project. FundSuiteArc communicates the provided chart information to the chart rendering service and displays a JPG preview of the chart in the viewing pane of the **Project** page. An EPS image of the chart is inserted in project output of Word and PDF formats. ArcReporting was also enhanced to allow users to unlink and edit chart data sourced from portfolio statements, financial statements, and/or tables in a project. Once updates to the data are saved, users can refresh the chart preview to see the changes.

What's New

1. Chart Templates page

- The user can now specify *External Source Data* as a chart's data source type on the **Chart Data** tab of the page.



The screenshot shows a web interface with two tabs: 'Chart Data' and 'Parameters'. The 'Chart Data' tab is active. It contains three fields: 'Charting Engine Template Name' with a dropdown menu showing 'Chart Engine'; 'Data Source Type' with a dropdown menu showing 'External Source Data' (highlighted by a mouse cursor); and 'Data Template' with a dropdown menu showing 'External Source Data', 'Financial Statement Template', 'Portfolio Statement Template', and 'Tabular Data Template'. A small square icon with a plus sign is located at the bottom right of the form area.

2. Project page

- When the user clicks a chart component in the project tree view structure, a chart preview displays in the pane at right of the page.
 - To add external Excel data for a chart, the user clicks the **Edit** button  at lower-left of the **Chart Preview** pane.

The chart data editing grid displays.

	A	B	C	D
1				
2				
3				
4				
5				
6				

- ii. The user then clicks the **Import data from source file** button  at lower-left of the editing grid.

The **Component Data Import** dialogue displays, in which the user can select the external Excel file and provide appropriate specifications regarding rows and columns to import, based on the selected Excel file.

Component Data Import

Source

* File: ...

* Start at column:

* Start at row:

* Number of columns to import:

* Number of rows to import:

Destination

* Start at column:

* Start at row:

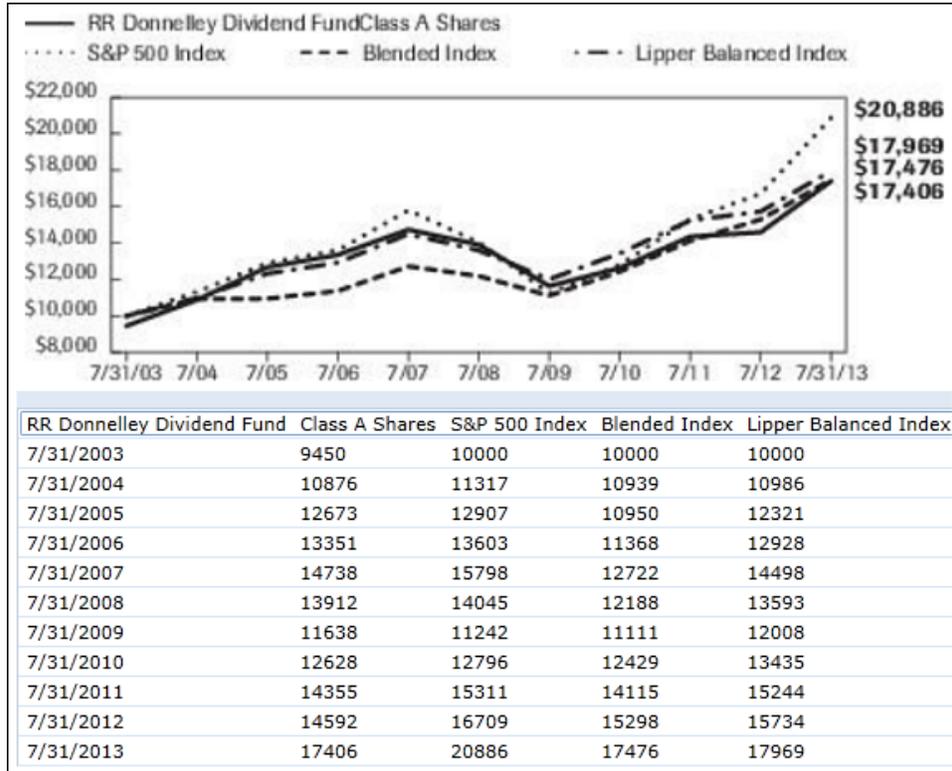
**required*

- iii. The user clicks the **Accept** button  to import the specified range of data from the external Excel file.
- iv. The user can preview the Excel data import and review for accuracy.

	A	B	C	D	E
1	RR Donnelley Dividend	Class A Shares	S&P 500 Index	Blended Index	Lipper Balanced Index
2	7/31/2003	9450	10000	10000	10000
3	7/31/2004	10876	11317	10939	10986
4	7/31/2005	12673	12907	10950	12321
5	7/31/2006	13351	13603	11368	12928
6	7/31/2007	14738	15798	12722	14498
7	7/31/2008	13912	14045	12188	13593
8	7/31/2009	11638	11242	11111	12008
9	7/31/2010	12628	12796	12429	13435
10	7/31/2011	14355	15311	14115	15244
11	7/31/2012	14592	16709	15298	15734
12	7/31/2013	17406	20886	17476	17969

- v. If the imported data is correct, the user clicks the **Accept** button  at lower-right of the preview grid to apply the data to the chart.

- vi. The data and chart/graph display in the preview pane of the **Project** page.



- b. Users can now unlink chart components whose data was originally derived from portfolio statements, financial statements and/or tables in the project and edit the information manually.
 - i. The user clicks the **Unlink component** button at lower-left of the preview pane when the chart component is selected in the project tree view structure.
 - ii. The user clicks the **Edit** button  at lower-left of the preview pane.

An editable grid displays in the **Chart - (edit mode)** pane.

Chart - (edit mode)

Note: Data for this component has been disconnected from library and other source data in the application. Changes made here will not affect source data, nor will changes elsewhere in the application alter the values displayed here, unless this component is linked.

	A	B
1	Healthcare	10.00
2	Industrials	10.00
3	Financials	10.00
4	Consumer Staples	10.00
5	Materials	10.00
6	Unknown GICS Sector	10.00
7	Information Technology	20.00
8	Consumer Discretionary	25.00

- A. The user can make manual edits to specific points of data by entering appropriate values in the cells of the grid.
- B. The user also has the option to import data from an external source file of Excel format.
 1. The user clicks the **Import data from source file** button  at lower-left of the editing grid and specifies the import file and data range settings.
- C. Once updates to chart data are complete the user clicks the **Accept** button  at lower-right of the editing pane to process changes, whereupon the updated data and chart/graph display.

Process Changes

No changes to current processes are required.

2. Ability to mix and match currency-type calculation sheets

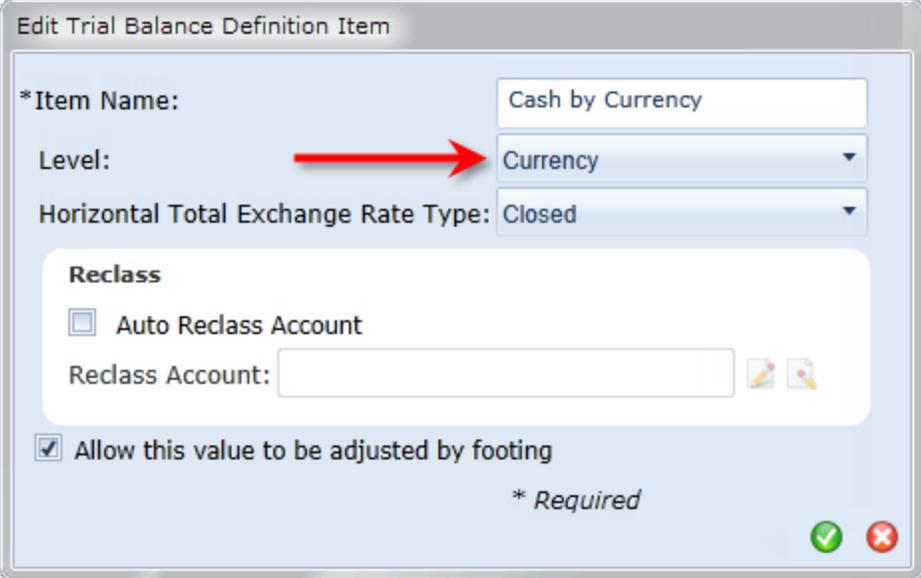
Overview

ArcReporting was enhanced to allow users to map currency-level trial balance items to calculation sheets of type *Classes Down/Across*.

What's New

Currency-level trial balance items are now available for addition to calculation sheets of type *Classes Down/Across*.

1. Users can now drag-and-drop a currency-level trial balance item from the *Financial Workbooks* sub-tab of the *Calculation Sheets* tab to their calculation sheet structure:



Edit Trial Balance Definition Item

*Item Name: Cash by Currency

Level: Currency

Horizontal Total Exchange Rate Type: Closed

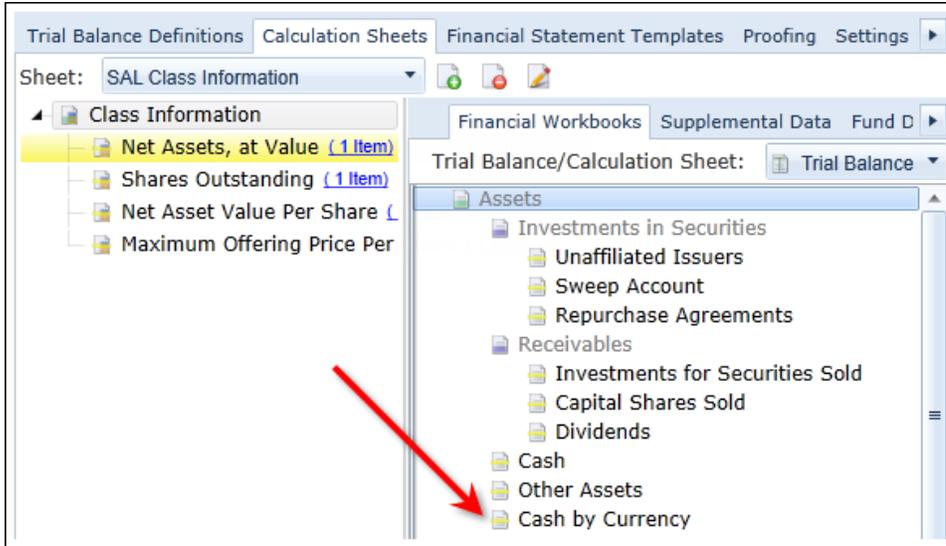
Reclass

Auto Reclass Account

Reclass Account:

Allow this value to be adjusted by footing

* Required



- When a currency-level trial balance item displays in a calculation sheet via the **Financial Workbook** page or in project output, the **None/All** value displays. Any reference to the class-specific balance for these accounts returns 0.

Process Changes

No changes to current processes are required.

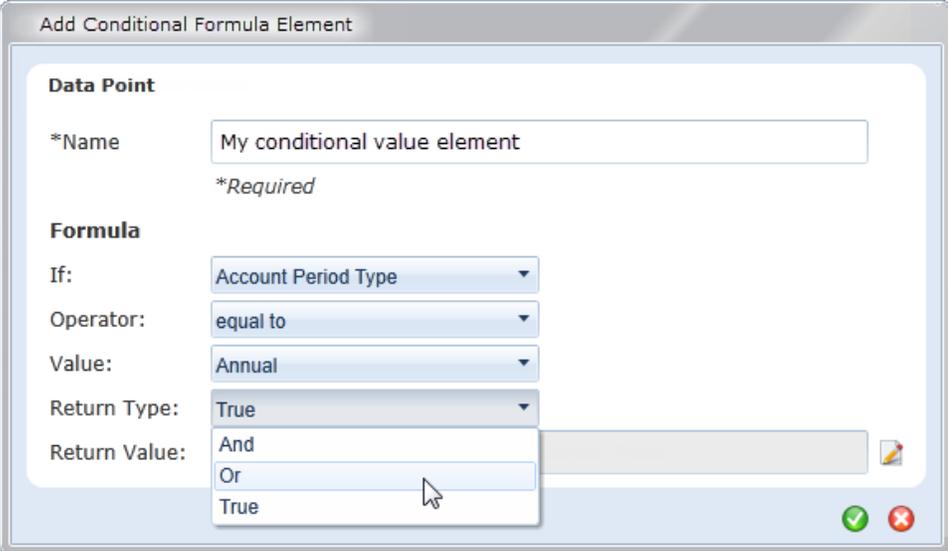
3. Ability to add multiple conditions to conditional-type calculation sheet items

Overview

ArcReporting was enhanced to allow users to create more complex conditional calculation sheet values through use of the *Or* operator. ArcReporting was also enhanced to allow conditional values on currency-type calculation sheets.

What's New

1. The *Or* conditional value functionality is now available for use on the **Add Conditional Formula Element** dialogue when creating a new calculation sheet item via the *Calculation Sheets* sub-tab of the **Financial Workbook Templates** page.



- a. Users can now choose the *Or* operator in the *Return Type* drop-down list.

Note:

Users must specify a *Return Type* value of either *And* or *Or* for all elements in a given conditional value formula; the combination of these return types within in a single calculation sheet item formula

is not currently supported.

- Users can opt to add items of type *Conditional Value* to currency-type calculation sheets via the **Add Calculation Sheet Item** dialogue.

Add Calculation Sheet Item to 'MySection' Section

Item Name:

Calculation Sheet Item Type: Conditional Value ▼

Rounding Level:

Base Class Assignment/Behavior: Horizontal

Single row/column
Choose this option to display values for each class in a single row or column.

Base Class:

Multiple rows/columns (per class)
Choose this option to display values for each class in multiple rows/columns.

Formula

	(Element	Type)	Return T
>		Fund Type is Equity	Conditional Value		And
		Acct. Period Type is A	Conditional Value		True

Process Changes

No changes to current processes are required.

4. Ability to reference page and note numbers in financial statements and within snippet or footnote text

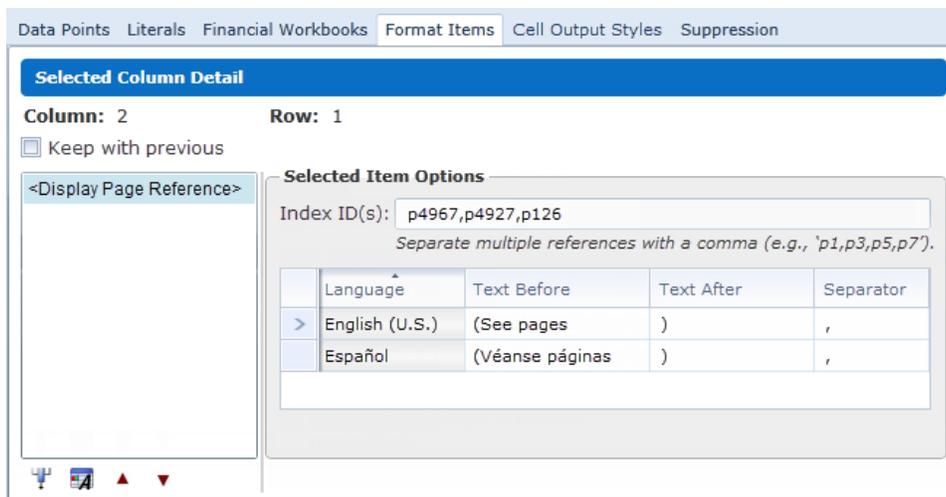
Overview

ArcReporting supports the creation of automated "Notes to Financials" links to reference page and note numbers. Users can add "targets" for these links in text snippets, and placeholders for the links themselves in financial statements, snippet text and holdings or general ledger footnote text. The page or note number referenced in each link automatically populates during project output, based on the referenced text snippet's location within the document.

What's New

Functionality added in version 1.9.0 to allow users to determine page or note reference display location as well as the display location for the referential page or note was made fully functional in version 1.10.0. Support was also added for the display of data points of type "Page/Note Reference" in **Project** page preview.

1. *Display Note Reference* and *Display Page Reference* data points were added to the list box on the **Data Points** tab of the **Financial Statement Template Output Settings** page for data points of type *Financial*.
 - a. Once added to the mapping grid, associated controls display on the **Format Items** tab when a user selects either of the new data points.



The screenshot shows the 'Format Items' tab of the 'Financial Statement Template Output Settings' page. The 'Selected Column Detail' section indicates 'Column: 2' and 'Row: 1'. A checkbox for 'Keep with previous' is present. The 'Selected Item Options' section shows the 'Index ID(s)' as 'p4967,p4927,p126' with a note to separate multiple references with a comma. Below this is a table with columns for Language, Text Before, Text After, and Separator.

Language	Text Before	Text After	Separator
> English (U.S.)	(See pages)	,
Español	(Véanse páginas)	,

- i. An **Index ID(s)** text box displays in the **Selected Item Options** section of the tab.
 - A. The maximum field character length is **44**.
 - B. Only numeric values may be entered in the text box; spaces, letters, special characters, etc. may not be entered in the text box.

Note:

If no **Index ID(s)** value is specified in the text box, no string is inserted/displayed at all in output.

- ii. A grid displays on the tab, in which the text for the reference is specified.
 - A. One row displays in the grid for every language defined for the associated financial statement template on the **Languages** sub-tab of the **Financial Workbook Templates** page.
 - B. The following columns display in the grid:
 - 1. **Language**
 - a. Cells in the column are read-only.
 - b. Displays the name of the language.
 - 2. **Text Before**
 - a. Cells in the column are editable.
 - b. The text box is blank by default for newly-mapped data points.
 - c. The maximum field character length is **128**.
 - d. The specified value is inserted before the collection of evaluated index ID (s) in the data point, for the language represented by the row.
 - 3. **Text After**
 - a. Cells in the column are editable.
 - b. The text box is blank by default for newly-mapped data points.
 - c. The maximum field character length is **128**.

- d. The specified value is inserted after the collection of evaluated index ID(s) in the data point, for the language represented by the row.

4. *Separator*

- a. Cells in the column are editable.
- b. The default value for the text box is , (<comma><space>) for newly-mapped data points.
- c. The maximum field character length is 8.
- d. The specified value is inserted between each evaluated index ID in the data point, for the language represented by the row.

Note:

If only one value is specified in the *Index ID(s)* text box, the *Separator* value is not inserted/displayed in output.

- iii. The specified *Text Before* value, evaluated *Index ID(s)* value(s), *Separator* value and *Text After* value display in project output in the location the *Display Note Reference* or *Display Page Reference* data point was mapped.

Examples:

1. *Display Note Reference* data point, with one *Index ID(s)* value specified.
(See note 5)
2. *Display Page Reference* data point, with multiple *Index ID(s)* values specified.
(See pages 7, 10, 11)

Note:

- For *Display Page Reference* data points, the value returned represents the page number on which the snippet containing the *Set Page Reference* data point begins.
- If a given page or note reference is linked to a snippet that does not appear in the project, the associated *Index ID* value is replaced with a question mark symbol (?).

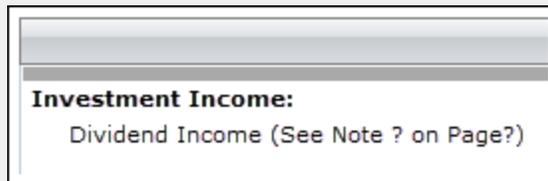
Example:

(See pages 7, ?, 11)

- Page and note references are inserted/displayed only when output for an entire project is generated; no string is inserted/displayed at all in output generated using the *Generate Output for Chapter(s)* right-click context menu option on the **Project** page.
2. **Text Before**, **Separator** and **Text After** values specified in statement output settings display in statement preview on the **Project** page in the location the *Display Note Reference* or *Display Page Reference* data point was inserted.
- a. Each specified **Index ID(s)** value is represented by a question mark (?).

Example:

(see pages ?, ?, ?)



Process Changes

No changes to current processes are required.

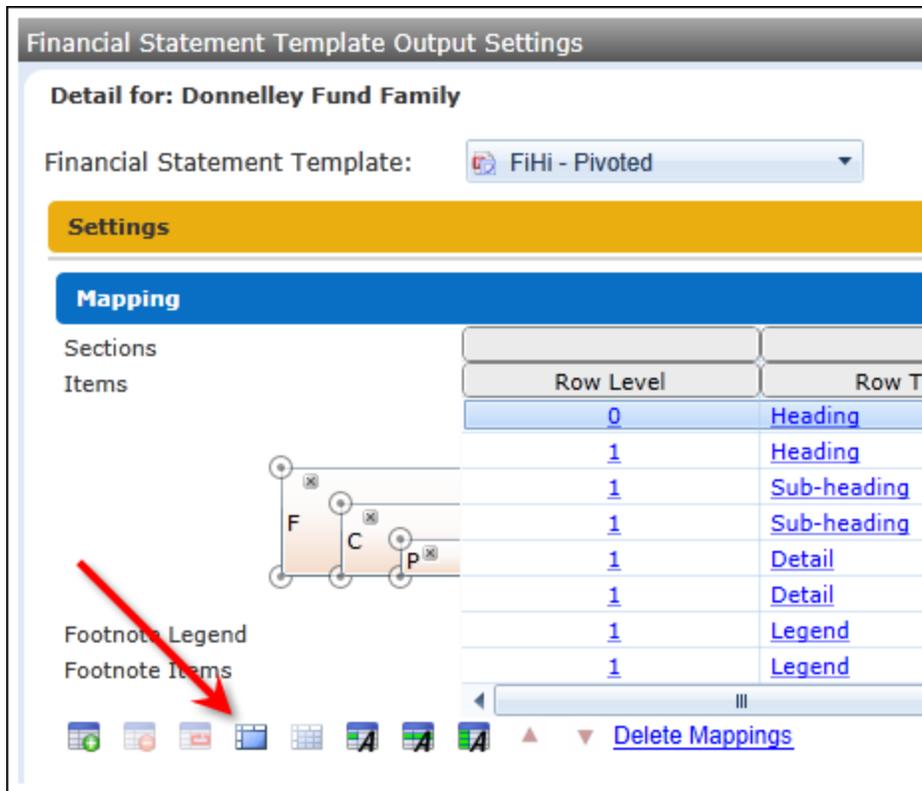
5. Enhancements to financial statements of pivoted orientation

Overview

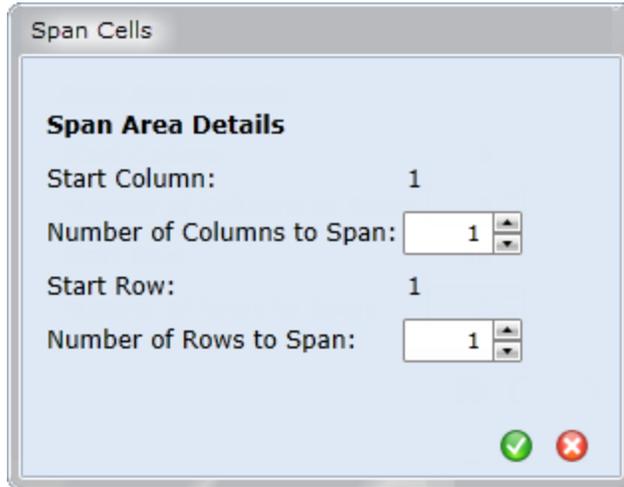
Enhancements made to pivoted financial statements give users more control of the output settings. Functionality allows the user to span and apply formatting to cells and to set footnote legend options. In addition, the *Data Points* tab interface was enhanced for user friendliness.

What's New

1. Users can now span rows and columns on the **Financial Statement Template Output Settings** page.
 - a. A *Span cells* button  was added allowing the user to span across multiple rows and columns.



- i. When the user clicks the button, a **Span Cells** dialogue displays, through which the user can define how many rows or columns to span.



- A. The user receives a confirmation message if the cells in the specified range contain multiple data values; the user confirms the cell span before it is applied.

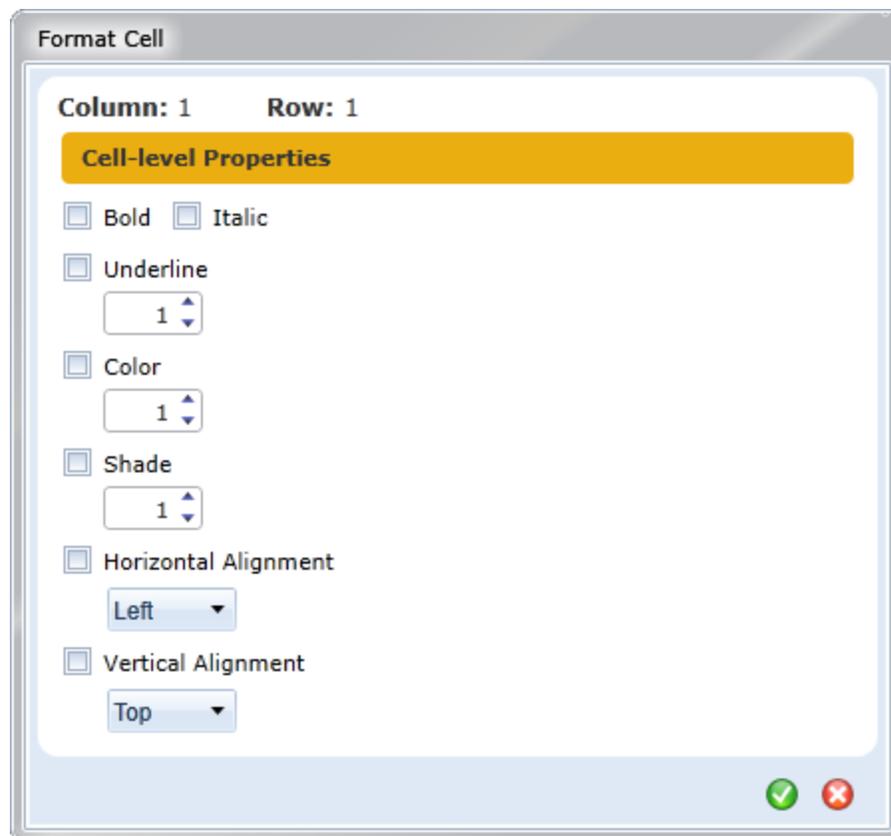
- ii. The spanned cells display in the user interface and in statement output.

<Section Caption>		
Net Asset Value, Beginning of	Income From Investment	Net Investment Income Per
<Caption><Caption Footnote>		
<Value> <Value Footnote>	<Value> <Value Footnote>	

- b. Restrictions when spanning rows and columns:
 - i. The range for any given span area cannot span across the *Footnote Legends* row.
 - ii. The user interface does not support column spanning across statement sections. When spanning columns the **Span Cells** dialogue restricts increasing the number of columns when nearing the end of the current section.
 - iii. The user interface does not support row spanning across repeat groups. If a repeat group consists of a single row, FundSuiteArc prevents the user from adding a span of more than 1

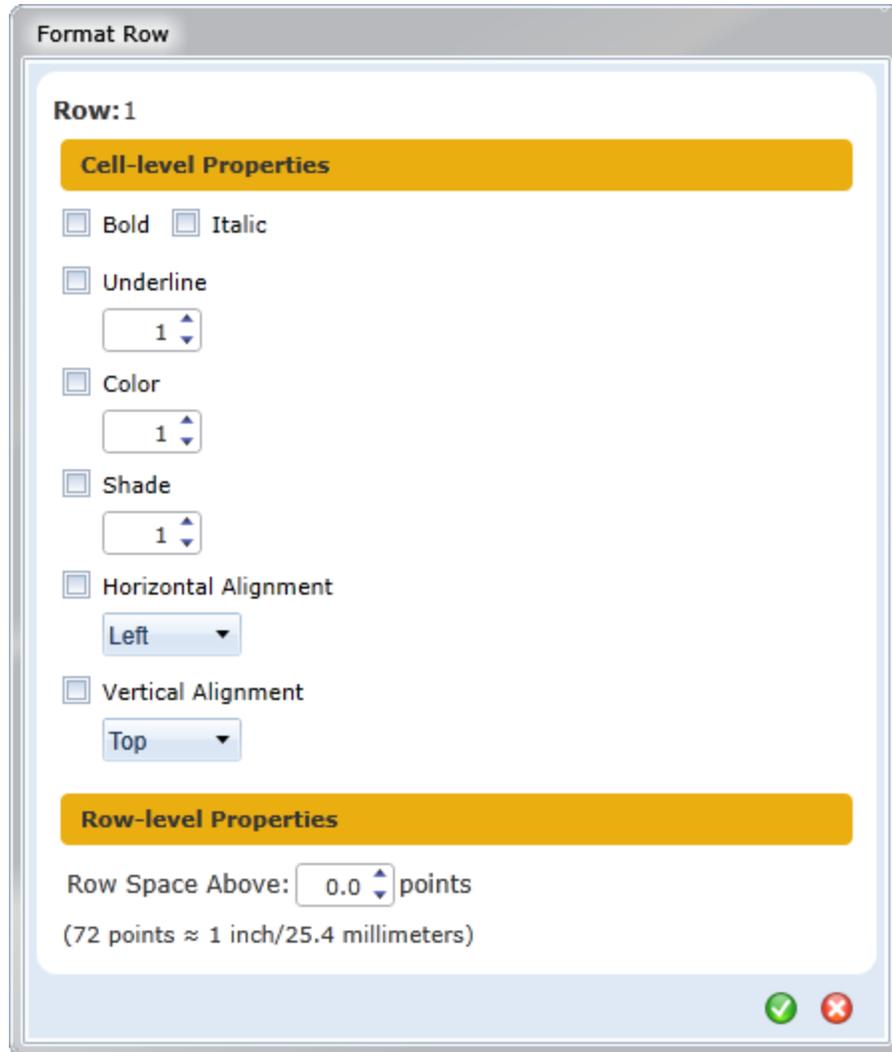
row. If the repeat group consists of 2 or more rows, the user can create a row span for only those rows.

2. Users can format individual cells, entire rows or columns within the statement template.
 - a. A **Format cell** button  was added beneath the mapping grid so users can format all mapped items within a selected cell.
 - i. Clicking the button after selecting (left-clicking) a given cell causes the **Format Cell** pop-up dialogue to display, through which formatting can be applied to the item(s) in the cell.



- A. The column and row in which the selected cell resides display at the top of the dialogue.
- B. The **Cell-level Properties** section contains a series of check boxes and controls that allow users to specify that all items in the selected cell display as bold and/or italic in project output and/or that they have a particular underline, color, shade, horizontal alignment or vertical alignment style applied.
 1. Selecting the check box for any of the format options designates that all items in the cell will be formatted in project output as indicated.
 2. When formatting any given cell for the first time by means of the **Format Cell** dialogue, none of the check boxes are selected.
 3. If any of the individual items in a given cell were previously formatted by means of the **Format Item**, **Format Row** and/or **Format Column** dialogues, the affected setting(s) for the respective item(s) is/are retained.
 - a. A cleared check box for a given formatting option indicates that none of the items in the cell had that option previously selected.
 - b. A check box that displays a horizontal dash within it for a given formatting option indicates that some, but not all, of the items in the cell had that option previously selected.
 - c. A selected check box for a given formatting option indicates all of the items in the cell had that option previously selected.
 4. Options
 - a. Bold
 - b. Italic
 - c. Underline, Color or Shade
 - i. The value (*i.e.*, 1, 2 or 3) displayed in the respective spinner controls represents the attribute setting to be applied to the text of all items in the cell, if the corresponding check box is selected.

- A. The spinner values indicate how the cell was formatted prior to opening the **Format Cell** dialogue (the cell could have been formatted previously by means of the **Format Item**, **Format Row** and/or **Format Column** dialogues).
 - ii. What each numeric value represents for each of the formatting attributes (*i.e.*, what formatting will be applied for **1**, **2** or **3**) can be defined for any given shareholder report with the assistance of your RR Donnelley liaison.
- 5. Horizontal Alignment
 - a. If the check box is selected, horizontal text alignment is as specified in the drop-down list (*i.e.*, **Left**, **Center** or **Right**), according to the style sheet definition for such alignment.
- 6. Vertical Alignment
 - a. If the check box is selected, vertical text alignment is as specified in the drop-down list (*i.e.*, **Top**, **Middle** or **Bottom**), according to the style sheet definition for such alignment.
- 3. Users can apply formatting to all items in all cells of a given row of the mapping grid.
 - a. This feature is only available with respect to output settings for financial statement templates.
 - b. A **Format row** button  was added beneath the mapping grid on the page allowing users to format all mapped items in all cells within a selected row.
 - i. Clicking the button after selecting (left-clicking) a given cell/row causes the **Format Row** pop-up dialogue to display, through which formatting can be applied to all the items contained in all the cells of the row.



- A. The selected row displays at the top of the dialogue.
- B. The **Cell-level Properties** section contains a series of check boxes and controls that allow users to specify that all items in all cells of the selected row display as bold and/or italic in project output and/or that they have a particular underline, color, shade, horizontal alignment or vertical alignment style applied.
 1. Selecting the check box for any of the format options designates that all items in all cells of the row will be formatted in project output as indicated.
 2. When formatting any given row for the first time by means of the **Format Row** dialogue, none of the check boxes are selected.
 3. If any of the individual items in any cell of a given row were previously formatted by means of the **Format Item**, **Format Cell** and/or **Format Column** dialogues, the affected setting(s) for the respective item(s) is/are retained.
 - a. A cleared check box for a given formatting option indicates that none of the items in any of the cells of the row had that option previously selected.
 - b. A check box that displays a horizontal dash within it for a given formatting option indicates that some, but not all, of the items in the cells of the row had that option previously selected.
 - c. A selected check box for a given formatting option indicates all of the items in all of the cells in the row had that option previously selected.
 4. Options
 - a. Bold
 - b. Italic
 - c. Underline, Color or Shade
 - i. The value (*i.e.*, 1, 2 or 3) displayed in the respective spinner controls represents the attribute setting to be applied to the text of all items in all the cells of the row, if the corresponding check box is selected.

- A. The spinner values indicate how the row was formatted prior to opening the **Format Row** dialogue (the cell could have been formatted previously by means of the **Format Item**, **Format Cell** and/or **Format Column** dialogues).
- ii. What each numeric value represents for each of the formatting attributes (*i.e.*, what formatting will be applied for **1**, **2** or **3**) can be defined for any given shareholder report with the assistance of your RR Donnelley liaison.
- iii. The table below outlines the behavior of a given attribute's associated check box and spinner control when one or more cells in the selected row have been formatted in some way prior to the user opening the **Format Row** dialogue:

Check Box Set Previously	Spinner Value Set Previously	Display on Format Row Dialogue
Check box for all cells in the row was cleared <input type="checkbox"/>	N/A	<ul style="list-style-type: none"> ▪ Check box is cleared <input type="checkbox"/> ▪ Spinner value is 1
Check box for all cells in the row was selected <input checked="" type="checkbox"/>	All cells in the row were set to the same numeric value	<ul style="list-style-type: none"> ▪ Check box is selected <input checked="" type="checkbox"/> ▪ Spinner value is the number set previously for all cells of the row

Check Box Set Previously	Spinner Value Set Previously	Display on Format Row Dialogue
Check box for all cells in the row was selected <input checked="" type="checkbox"/>	Spinner was set to differing values across cells in the row	<ul style="list-style-type: none"> Check box contains a dash <input type="checkbox"/> Spinner value is <i>1</i>
Check box was set to differing states across cells in the row (<i>i.e.</i> , some cleared, some selected)	Cells where the check box is selected were set to the same numeric value	<ul style="list-style-type: none"> Check box contains a dash <input type="checkbox"/> Spinner value is the number set previously for the cells of the row where the check box is selected
Check box was set to differing states across cells in the row (<i>i.e.</i> , some cleared, some selected)	Cells where the check box is selected were set to differing values across the row	<ul style="list-style-type: none"> Check box contains a dash <input type="checkbox"/> Spinner value is <i>1</i>

5. Horizontal Alignment

- a. If the check box is selected, horizontal text alignment is as specified in the drop-down list (*i.e.*, *Left*, *Center* or *Right*), according to the style sheet definition for such alignment.

- b. The table below outlines the behavior of a the **Horizontal Alignment** check box and drop-down list when one or more cells in the selected row have had the horizontal alignment setting specified prior to the user opening the **Format Row** dialogue:

Check Box Set Previously	Horizontal Alignment Specified Previously	Display on Format Row Dialogue
Check box for all cells in the row was cleared <input type="checkbox"/>	N/A	<ul style="list-style-type: none"> Check box is cleared <input type="checkbox"/> Drop-down list selection is <i>Left</i>
Check box for all cells in the row was selected <input checked="" type="checkbox"/>	All cells in the row had the same horizontal alignment setting specified	<ul style="list-style-type: none"> Check box is selected <input checked="" type="checkbox"/> Drop-down list selection is the selection specified previously for all cells of the row
Check box for all cells in the row was selected <input checked="" type="checkbox"/>	Horizontal alignment was set to differing values across cells in the row	<ul style="list-style-type: none"> Check box contains a dash <input type="checkbox"/> Drop-down list selection is <i>Left</i>

Check Box Set Previously	Horizontal Alignment Specified Previously	Display on Format Row Dialogue
Check box was set to differing states across cells in the row (<i>i.e.</i> , some cleared, some selected)	Cells where the check box is selected had the same horizontal alignment setting specified	<ul style="list-style-type: none"> Check box contains a dash <input type="checkbox"/> Drop-down list selection is the selection specified previously for the cells of the row where the check box is selected
Check box was set to differing states across cells in the row (<i>i.e.</i> , some cleared, some selected)	Horizontal alignment was set to differing values across cells in the row where the check box is selected	<ul style="list-style-type: none"> Check box contains a dash <input type="checkbox"/> Drop-down list selection is <i>Left</i>

6. Vertical Alignment

- a. If the check box is selected, vertical text alignment is as specified in the drop-down list (*i.e.*, *Top*, *Middle* or *Bottom*), according to the style sheet definition for such alignment.

- b. The table below outlines the behavior of a the **Vertical Alignment** check box and drop-down list when one or more cells in the selected row have had the vertical alignment setting specified prior to the user opening the **Format Row** dialogue:

Check Box Set Previously	Vertical Alignment Specified Previously	Display on Format Row Dialogue
Check box for all cells in the row was cleared <input type="checkbox"/>	N/A	<ul style="list-style-type: none"> Check box is cleared <input type="checkbox"/> Drop-down list selection is <i>Top</i>
Check box for all cells in the row was selected <input checked="" type="checkbox"/>	All cells in the row had the same vertical alignment setting specified	<ul style="list-style-type: none"> Check box is selected <input checked="" type="checkbox"/> Drop-down list selection is the selection specified previously for all cells of the row
Check box for all cells in the row was selected <input checked="" type="checkbox"/>	Vertical alignment was set to differing values across cells in the row	<ul style="list-style-type: none"> Check box contains a dash <input type="checkbox"/> Drop-down list selection is <i>Top</i>

Check Box Set Previously	Vertical Alignment Specified Previously	Display on Format Row Dialogue
Check box was set to differing states across cells in the row (<i>i.e.</i> , some cleared, some selected)	Cells where the check box is selected had the same vertical alignment setting specified	<ul style="list-style-type: none"> Check box contains a dash <input type="checkbox"/> Drop-down list selection is the selection specified previously for the cells of the row where the check box is selected
Check box was set to differing states across cells in the row (<i>i.e.</i> , some cleared, some selected)	Vertical alignment was set to differing values across cells in the row where the check box is selected	<ul style="list-style-type: none"> Check box contains a dash <input type="checkbox"/> Drop-down list selection is <i>Top</i>

- C. The **Row-level Properties** section allows users to specify how much space (measured in points) is needed between each row.
1. This feature serves as an override of style sheet setting if it does not provide the correct spacing between rows.
 2. The default **Row Space Above** value is *0.0*. When this value is specified, the style sheet setting is used for row spacing.
 3. When a value of *0.1* or greater is specified, that value is used for row spacing.

4. Users can apply formatting to all items in all cells of a given column of the mapping grid.
 - a. This feature is only available with respect to output settings for financial statement templates.
 - b. A **Format column** button  was added beneath the mapping grid on the page so users can format all mapped items in all cells within a selected column.
 - i. Clicking the button after selecting (left-clicking) a given cell/column causes the **Format Column** pop-up dialogue to displays, through which formatting can be applied to all the items contained in all the cells of the column.

Format Column

Column: 1
Note: Settings specified here will apply to this column in every statement line item.

Cell-level Properties

Bold Italic

Underline
1

Color
1

Shade
1

Horizontal Alignment
Left

Vertical Alignment
Top

Column-level Properties

Repeated column format differs by period type
Period Type:

Column Width: 0.0 points
(72 points ≈ 1 inch/25.4 millimeters)

- A. The selected column displays at the top of the dialogue.
- B. The **Cell-level Properties** section contains a series of check boxes and controls that allow users to specify that all items in all cells of the selected column display as bold and/or italic in project output and/or that they have a particular underline, color, shade, horizontal alignment or vertical alignment style applied.
 1. Selecting the check box for any of the format options designates that all items in all cells of the column will be formatted in project output as indicated.
 2. When formatting any given column for the first time by means of the **Format Column** dialogue, none of the check boxes are selected.
 3. If any of the individual items in any cell of a given column were previously formatted by means of the **Format Item**, **Format Cell** and/or **Format Row** dialogues, the affected setting(s) for the respective item(s) is/are retained.
 - a. A cleared check box for a given formatting option indicates that none of the items in any of the cells of the column had that option previously selected.
 - b. A check box that displays a horizontal dash within it for a given formatting option indicates that some, but not all, of the items in the cells of the column had that option previously selected.
 - c. A selected check box for a given formatting option indicates all of the items in all of the cells in the column had that option previously selected.
 4. Options
 - a. Bold
 - b. Italic
 - c. Underline, Color or Shade
 - i. The value (*i.e.*, 1, 2 or 3) displayed in the respective spinner controls represents the attribute setting to be applied to the text of all items in all the cells of the column, if the corresponding check

box is selected.

- A. The spinner values indicate how the column was formatted prior to opening the **Format Column** dialogue (the cell could have been formatted previously by means of the **Format Item**, **Format Cell** and/or **Format Row** dialogues).
- ii. What each numeric value represents for each of the formatting attributes (*i.e.*, what formatting will be applied for **1**, **2** or **3**) can be defined for any given shareholder report with the assistance of your RR Donnelley liaison.
- iii. The table below outlines the behavior of a given attribute's associated check box and spinner control when one or more cells in the selected column have been formatted in some way prior to the user opening the **Format Column** dialogue:

Check Box Set Previously	Spinner Value Set Previously	Display on Format Column Dialogue
Check box for all cells in the column was cleared <input type="checkbox"/>	N/A	<ul style="list-style-type: none"> ▪ Check box is cleared <input type="checkbox"/> ▪ Spinner value is 1
Check box for all cells in the column was selected <input checked="" type="checkbox"/>	All cells in the column were set to the same numeric value	<ul style="list-style-type: none"> ▪ Check box is selected <input checked="" type="checkbox"/> ▪ Spinner value is the number set previously for all cells of the column

Check Box Set Previously	Spinner Value Set Previously	Display on Format Column Dialogue
Check box for all cells in the column was selected <input checked="" type="checkbox"/>	Spinner was set to differing values across cells in the column	<ul style="list-style-type: none"> Check box contains a dash <input type="checkbox"/> Spinner value is <i>1</i>
Check box was set to differing states across cells in the column (<i>i.e.</i> , some cleared, some selected)	Cells where the check box is selected were set to the same numeric value	<ul style="list-style-type: none"> Check box contains a dash <input type="checkbox"/> Spinner value is the number set previously for the cells of the column where the check box is selected
Check box was set to differing states across cells in the column (<i>i.e.</i> , some cleared, some selected)	Cells where the check box is selected were set to differing values across the column	<ul style="list-style-type: none"> Check box contains a dash <input type="checkbox"/> Spinner value is <i>1</i>

5. Horizontal Alignment

- If the check box is selected, horizontal text alignment is as specified in the drop-down list (*i.e.*, *Left*, *Center* or *Right*), according to the style sheet definition for such alignment.

- b. The table below outlines the behavior of a the **Horizontal Alignment** check box and drop-down list when one or more cells in the selected column have had the horizontal alignment setting specified prior to the user opening the **Format Column** dialogue:

Check Box Set Previously	Horizontal Alignment Specified Previously	Display on Format Column Dialogue
Check box for all cells in the column was cleared <input type="checkbox"/>	N/A	<ul style="list-style-type: none"> Check box is cleared <input type="checkbox"/> Drop-down list selection is <i>Left</i>
Check box for all cells in the column was selected <input checked="" type="checkbox"/>	All cells in the column had the same horizontal alignment setting specified	<ul style="list-style-type: none"> Check box is selected <input checked="" type="checkbox"/> Drop-down list selection is the selection specified previously for all cells of the column
Check box for all cells in the column was selected <input checked="" type="checkbox"/>	Horizontal alignment was set to differing values across cells in the column	<ul style="list-style-type: none"> Check box contains a dash <input type="checkbox"/> Drop-down list selection is <i>Left</i>

Check Box Set Previously	Horizontal Alignment Specified Previously	Display on Format Column Dialogue
<p>Check box was set to differing states across cells in the column (<i>i.e.</i>, some cleared, some selected)</p>	<p>Cells where the check box is selected had the same horizontal alignment setting specified</p>	<ul style="list-style-type: none"> ■ Check box contains a dash <input type="checkbox"/> ■ Drop-down list selection is the selection specified previously for the cells of the column where the check box is selected
<p>Check box was set to differing states across cells in the column (<i>i.e.</i>, some cleared, some selected)</p>	<p>Horizontal alignment was set to differing values across cells in the column where the check box is selected</p>	<ul style="list-style-type: none"> ■ Check box contains a dash <input type="checkbox"/> ■ Drop-down list selection is <i>Left</i>

6. Vertical Alignment

- a. If the check box is selected, vertical text alignment is as specified in the drop-down list (*i.e.*, *Top*, *Middle* or *Bottom*), according to the style sheet definition for such alignment.

- b. The table below outlines the behavior of a the **Vertical Alignment** check box and drop-down list when one or more cells in the selected column have had the vertical alignment setting specified prior to the user opening the **Format Column** dialogue:

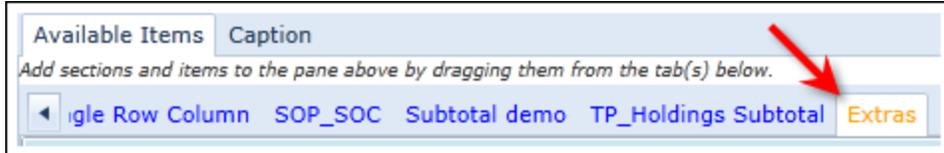
Check Box Set Previously	Vertical Alignment Specified Previously	Display on Format Column Dialogue
Check box for all cells in the column was cleared <input type="checkbox"/>	N/A	<ul style="list-style-type: none"> Check box is cleared <input type="checkbox"/> Drop-down list selection is <i>Top</i>
Check box for all cells in the column was selected <input checked="" type="checkbox"/>	All cells in the column had the same vertical alignment setting specified	<ul style="list-style-type: none"> Check box is selected <input checked="" type="checkbox"/> Drop-down list selection is the selection specified previously for all cells of the column
Check box for all cells in the column was selected <input checked="" type="checkbox"/>	Vertical alignment was set to differing values across cells in the column	<ul style="list-style-type: none"> Check box contains a dash <input type="checkbox"/> Drop-down list selection is <i>Top</i>

Check Box Set Previously	Vertical Alignment Specified Previously	Display on Format Column Dialogue
Check box was set to differing states across cells in the column (<i>i.e.</i> , some cleared, some selected)	Cells where the check box is selected had the same vertical alignment setting specified	<ul style="list-style-type: none"> Check box contains a dash <input type="checkbox"/> Drop-down list selection is the selection specified previously for the cells of the column where the check box is selected
Check box was set to differing states across cells in the column (<i>i.e.</i> , some cleared, some selected)	Vertical alignment was set to differing values across cells in the column where the check box is selected	<ul style="list-style-type: none"> Check box contains a dash <input type="checkbox"/> Drop-down list selection is <i>Top</i>

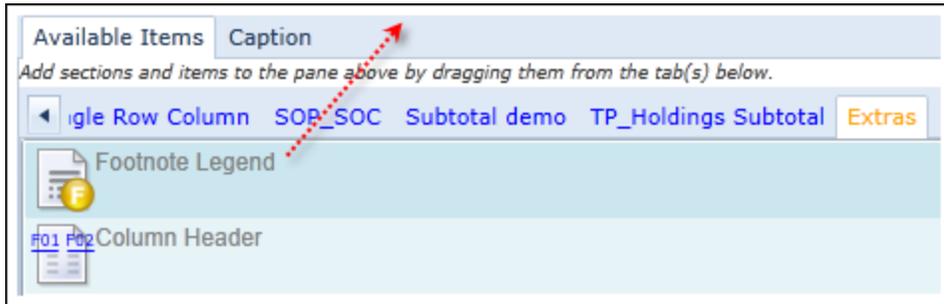
- C. The **Column-level Properties** section allows users to specify the width (measured in points) of the selected column.
- The default **Column Width** value is *0.0*. When this value is specified, the style sheet setting is used for the column width.
 - When a value of *0.1* or greater is specified, that value is used for the column width.

5. Users can add a footnote legend to a statement of pivoted orientation and specify its settings by following the steps outlined below:

- a. Click the **Extras** sub-tab at right of the **Available Items** tab (it is the rightmost sub-tab).

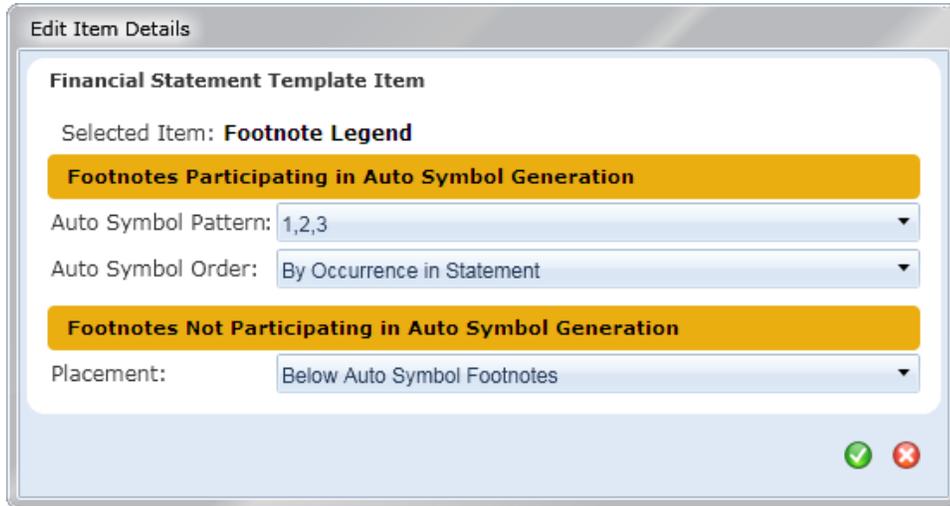


- b. Left-click, hold and drag the **Footnote Legend** item in the pane to the **Footnotes** section of the definition pane.

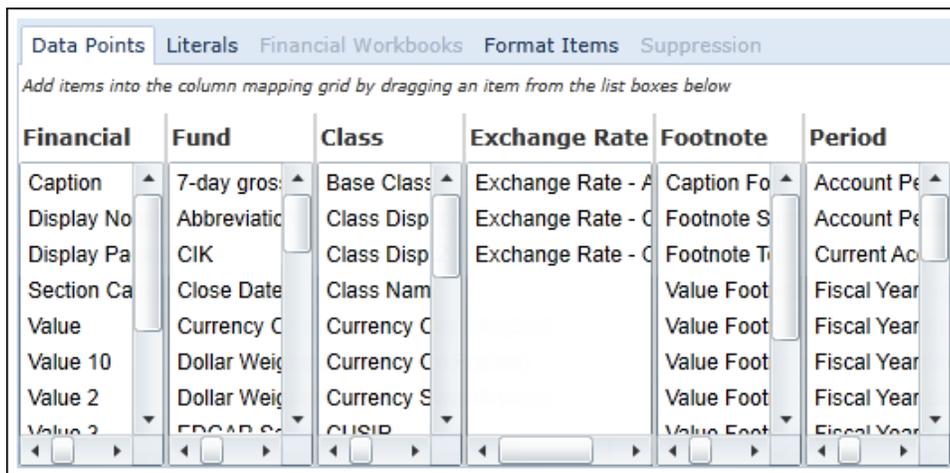


- c. After adding the legend to the statement, select the item in the statement structure and click the **Edit** button  to edit its properties.

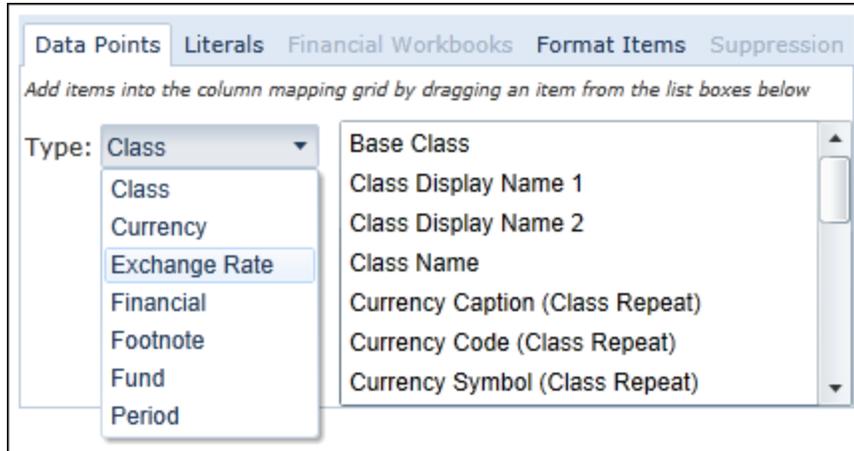
The **Edit Item Details** dialogue displays.



- 6. The **Data Points** tab on the **Financial Statement Template Output Settings** page was enhanced for a more streamlined approach to mapping data points.
 - a. In previous versions of FundSuiteArc, each data point type displayed in a distinct list box on the **Data Points** tab. The user chose the desired data point item from its respective list box and dragged it into the **Mapping** section.



- b. To reduce the space required to display data points on the tab, a **Type** drop-down list and a single list box replaced the previous multiple list boxes.
 - i. When the user selects a given data point type from the drop-down list, the corresponding data points display in the list box at right of the tab.



- ii. The user selects and drags the desired data point to the mapping grid above (as in previous versions of FundSuiteArc).

Process Changes

No changes to current processes are required.

6. Enhancements to spread output settings and auto-sequencing of financial statement footnotes

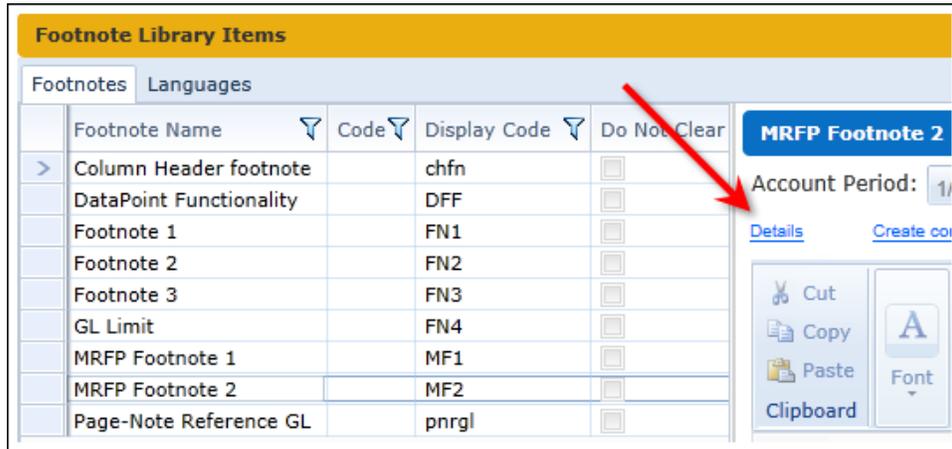
Overview

ArcReporting was enhanced to allow the auto-sequencing of footnotes attached to financial statements for statements containing multiple funds and/or account periods (*i.e.*, "spreads"). Users can determine the location and display of the footnote legend on the financial statement.

What's New

1. Footnote Libraries - General Ledger page

- a. In order to utilize auto-sequencing functionality, the user must select the option in the footnote library.
 - i. The user selects the footnote and clicks the *Details* link in the right pane.



Footnote Library Items				
Footnotes				
Footnote Name	Code	Display Code	Do Not Clear	
> Column Header footnote		chfn	<input type="checkbox"/>	MRFP Footnote 2 Account Period: 1/ Details Create co Cut Copy Paste Font Clipboard
DataPoint Functionality		DFF	<input type="checkbox"/>	
Footnote 1		FN1	<input type="checkbox"/>	
Footnote 2		FN2	<input type="checkbox"/>	
Footnote 3		FN3	<input type="checkbox"/>	
GL Limit		FN4	<input type="checkbox"/>	
MRFP Footnote 1		MF1	<input type="checkbox"/>	
MRFP Footnote 2		MF2	<input type="checkbox"/>	
Page-Note Reference GL		pnrgl	<input type="checkbox"/>	

The **Add/Edit General Ledger Footnote Details** dialogue displays.

Add/Edit General Ledger Footnote Details

Footnote Details

*Footnote Name: Sample Footnote 2

*Display Code: FN2

*Footnote Symbol: Use auto-generated symbol
 Use this symbol: +

Sort Order: 0

* Required

DataLoad Options

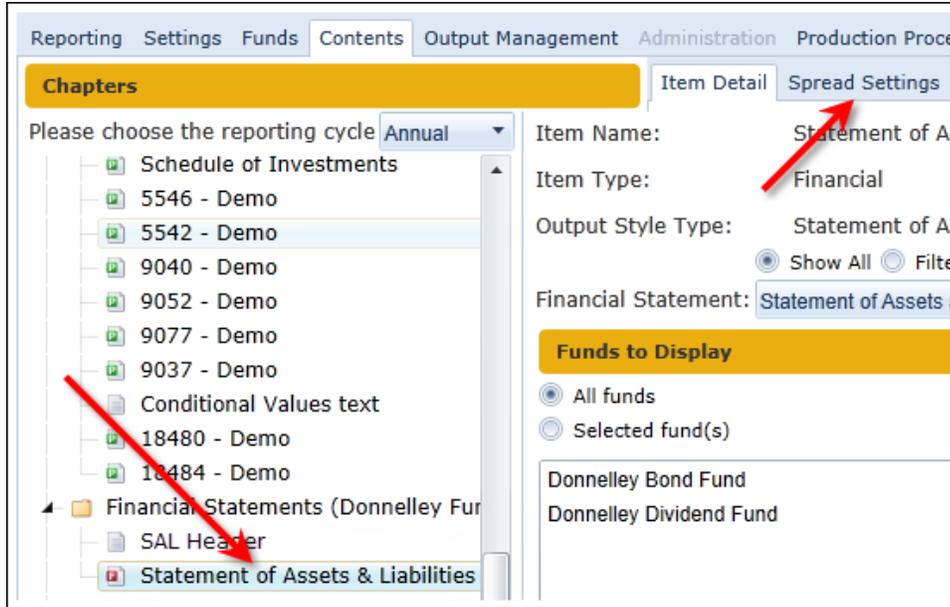
Code:

Prevent Footnote History Clearing

- ii. The user selects the **Use auto-generated symbol** option.
- iii. The user clicks the **Accept** button  and auto-sequencing is activated for output generation.

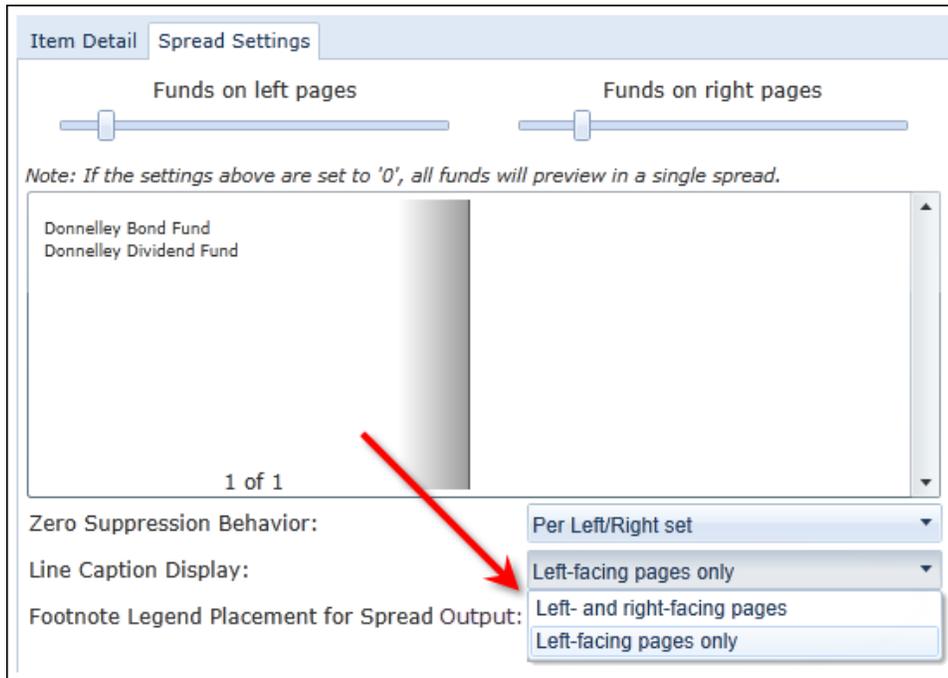
2. **Project Templates** page

- a. The user navigates to the *Contents* tab for the project template.
- b. The user selects a *Financial Statement* item in the tree view structure.



- c. The user clicks the *Spread Settings* tab in the right pane.

- d. The user can specify the **Line Caption Display** value.



- i. There are two options available:

A. *Left-facing pages only*

1. This option displays the row caption text for the spread on the left page only. The row caption text does not display on the right page of the spread.

B. *Left- and right-facing pages*

1. This option displays the row caption text for the spread on both the left and right pages. The captions display exactly the same on both pages.

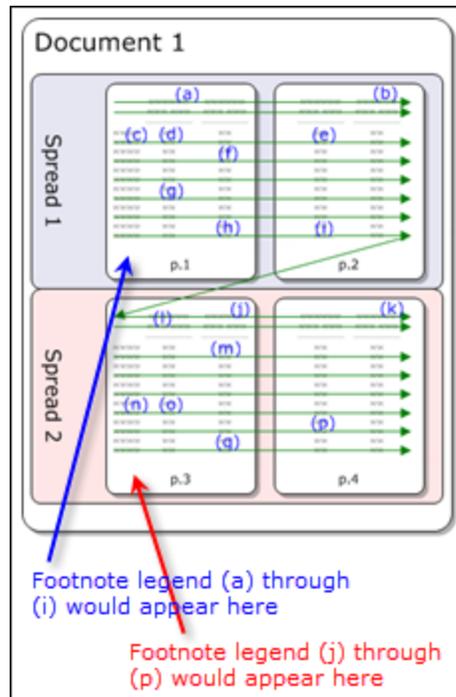
- e. After the **Line Caption Display** is selected, the user must specify the **Footnote Legend Placement for Spread Output** setting.

- i. The selections available from the drop-down list are based on the **Line Caption Display** settings.

A. If *Left-facing pages only* is selected, the following options are available:

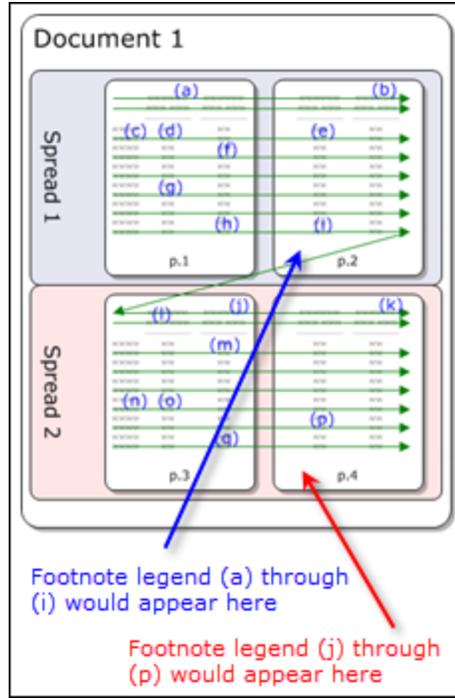
1. *Each spread - left page (spread specific)*

- a. This option shows one legend per left/right spread on the left page only. The footnotes that display in the legend are for both pages of the spread.



2. *Each spread - right page (spread specific)*

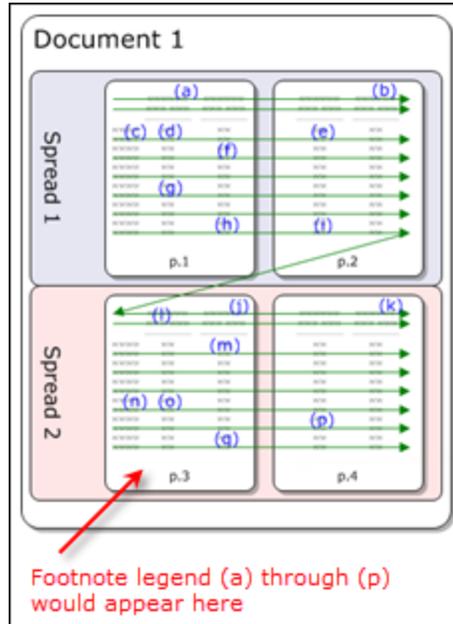
- a. This option shows one legend per left/right spread on the right page only. The footnotes that display in the legend are for both pages of the spread.



3. *Last spread - left page*

- a. This option shows one legend for the entire set of spreads on the left page only. The footnotes that display in the legend are for all pages of the

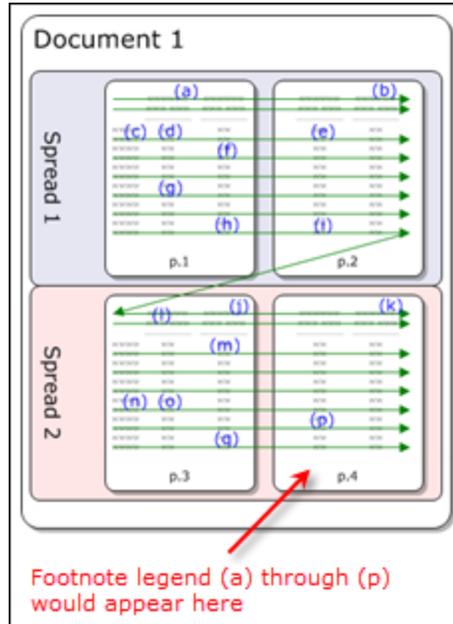
spread.



4. *Last spread - right page*

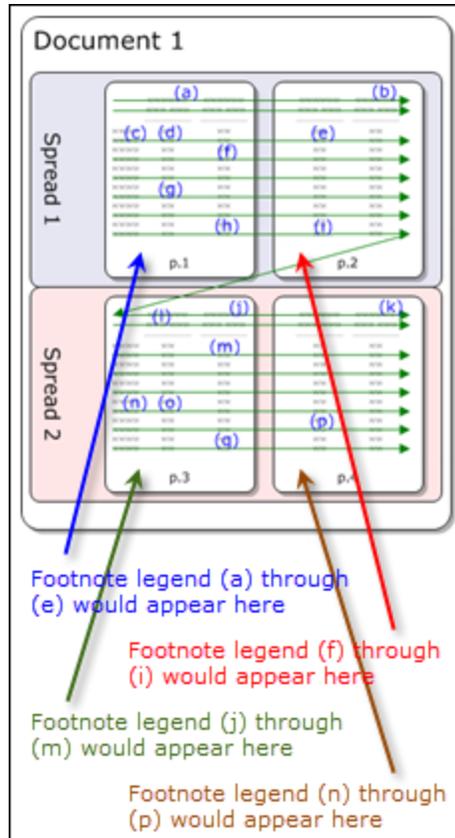
- a. This option shows one legend for the entire set of spreads on the right page only. The footnotes that display in the legend are for all pages of the

spread.



5. *All pages - spread specific*

- a. This option displays a footnote legend on every page and the footnotes that display in the legend are for the left/right spread. The user has an option to designate the number of footnotes per page or have FundSuiteArc split them equally.



- b. To split the footnotes evenly across both pages of the spread, the user must select the *Split footnotes evenly* check box.

Footnote Legend Placement for Spread Output: All pages (spread specific) ▼

Split footnotes evenly

Number of footnotes on left page: 0

- c. To specify the number of footnotes on the left page, the user must clear the check box and define the number of footnotes that display on the left page. The remaining footnotes display on the right page.

B. If *Left- and right-facing pages* is selected, the following options are available.

1. *All pages (page specific)*

- a. This option displays a footnote legend on every page and the footnotes that display in the legend on each page are page-specific.

The diagram illustrates four page layouts (P.1, P.2, P.3, P.4) showing the placement of footnote legends. Each page contains a table with columns for 2011, 2012, 2013, and 2014. The legends are as follows:

- P.1:** Legend (a) through (d) is located at the top right of the page. Legend (a) through (b) is located at the bottom right of the page.
- P.2:** Legend (a) through (b) is located at the top right of the page. Legend (a) through (d) is located at the bottom right of the page.
- P.3:** Legend (a) through (d) is located at the top right of the page. Legend (a) through (b) is located at the bottom right of the page.
- P.4:** Legend (a) through (b) is located at the top right of the page. Legend (a) through (d) is located at the bottom right of the page.

Red arrows point to the legend locations, and blue arrows point to the page numbers (P.1, P.2, P.3, P.4).

2. Last spread - last page

- a. This option displays a footnote legend on the last page and all the footnotes across all pages display in the legend.

The image displays four screenshots of financial statements, labeled P.1, P.2, P.3, and P.4. Each screenshot shows a table with columns for years (2011, 2012, 2013, 2014) and various financial metrics. The tables are annotated with blue circles and letters (a) through (d) pointing to specific rows or columns. P.4 has a red arrow pointing to a red text box that reads: "Footnote legend (a) through (d) would appear here".

Additional Information

To use the above functionality, the style sheet developed for output may need adjustment to display the footnote legends correctly.

Process Changes

No changes to current processes are required.

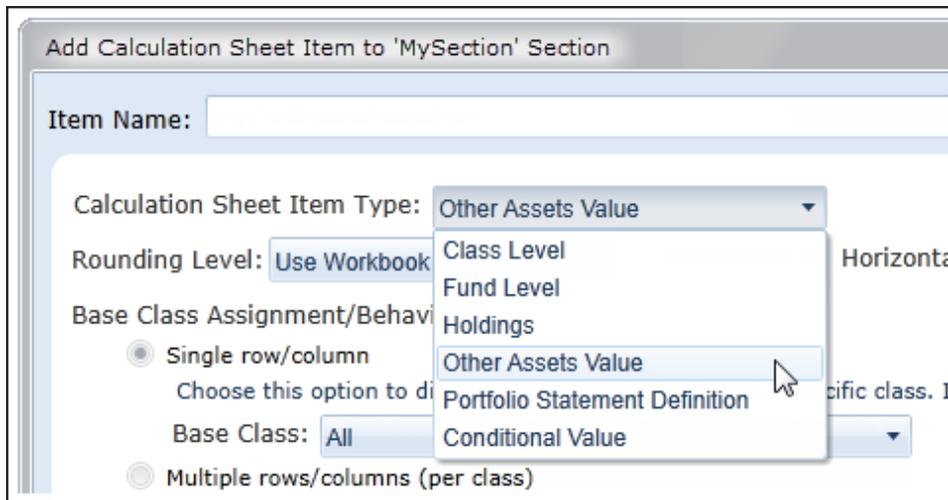
7. Ability to pull from calculation sheet items for portfolio statement "Other Assets" value

Overview

ArcReporting was enhanced so users can pull values from calculation sheet items when calculating the **Other Assets** sections on a portfolio statement. To facilitate this functionality, a new **Other Assets Value** calculation sheet item type was added. Users must create a calculation sheet item of this type to reference this value on a portfolio statement.

What's New

1. **Financial Workbook Templates** page
 - a. When adding new items to a calculation sheet, users can choose **Other Assets Value** from the **Calculation Sheet Item Type** drop-down list.



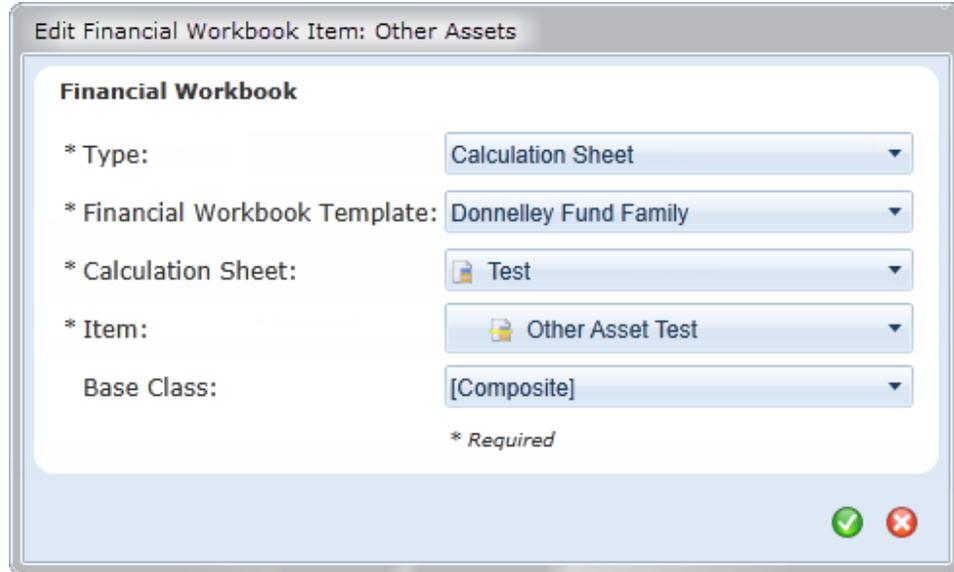
- b. Users can edit the formula to set up the calculation for the **Other Assets** value, and then link to it in the portfolio statement template.
 - i. Formula restrictions were enacted to prevent users from creating circular references.
 - ii. Users can add the following types of elements to the calculation sheet item formula:
 - A. Trial Balance Definition
 - B. Class Data Point
 - C. Constant Value
 - D. Days in Period

Note:

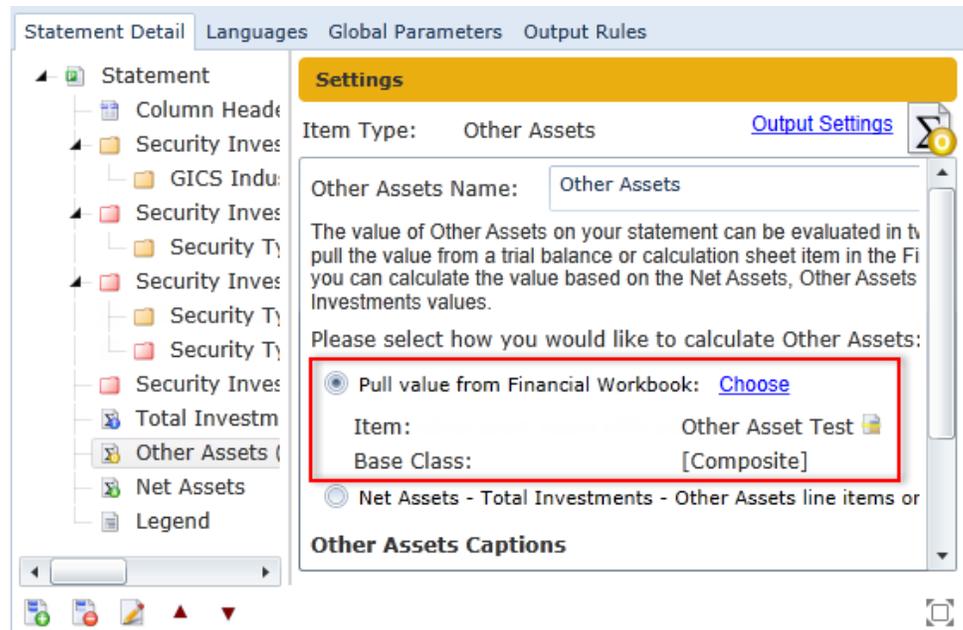
Some items, such as calculation sheet items, cannot be added. This restriction was added to eliminate the possibility creating a circular reference.

2. **Portfolio Statement Templates** page

- a. When the **Other Assets** line item is selected in the tree view structure of the **Statement Detail** tab on the **Portfolio Statement Templates** page, users can specify a calculation sheet when the **Pull value from Financial Workbook** option is selected.
 - i. Users can now select **Calculation Sheet** from the **Type** drop-down list on the **Edit Financial Workbook Item: Other Assets** dialogue.



- A. Users can subsequently specify the **Financial Workbook Template**, **Calculation Sheet** and **Item** on which the calculation of the **Other Assets** value will be based.



Process Changes

No changes to current processes are required.

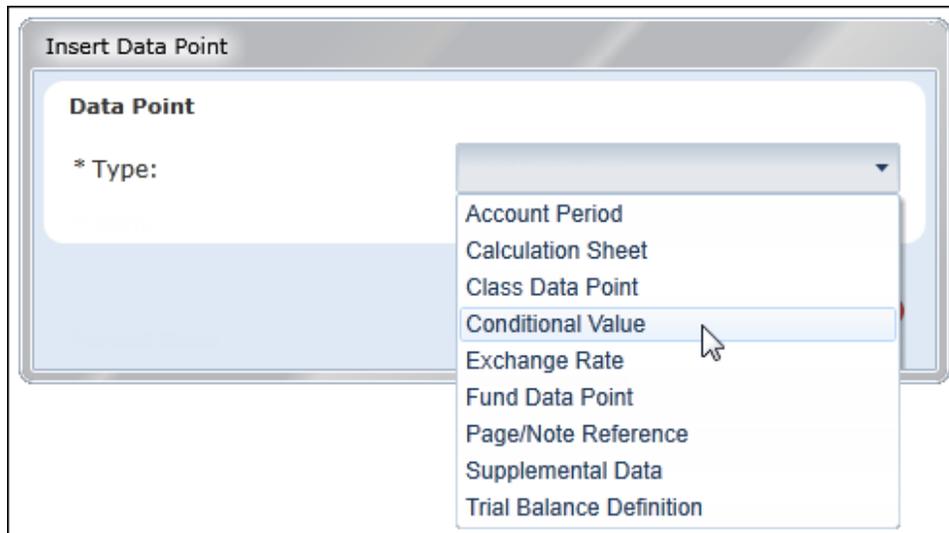
8. Ability to insert conditional data points in portfolio and financial statement footnote libraries

Overview

ArcReporting was enhanced so users can add data points of type *Conditional Value* to footnote text in both the Footnote Libraries - General Ledger and Footnote Libraries - Holdings libraries.

What's New

Users can now add a *Conditional Value* data point within the text editor of either the **Footnote Libraries - General Ledger** or the **Footnote Libraries - Holdings** page. When users click the **Data Point** button to add an element to footnotes in either library, they now can chose *Conditional Value* from the data point **Type** drop-down list:



Users can set up the formula for the conditional value they would like to add to the footnote:

Insert Data Point

Data Point

* Type:

* Name:

** Required*

Formula

	Element	Type	Return Type	Return Value
>	Acct. Period Type is Annual	Conditional Value	True	365

Return Value if no conditions are met:

Note:

When specifying a return type value, users can only select *Text*. The *Snippet* option is not available for conditional value data points in footnotes.

Edit Value

Value to Return

Text:

Snippet:

Note: Only snippets that contain plain, unformatted text can be rendered in project preview and output (i.e., snippets with text stylization, ordered lists, unordered lists, etc. may not be selected).

Process Changes

No changes to current processes are required.

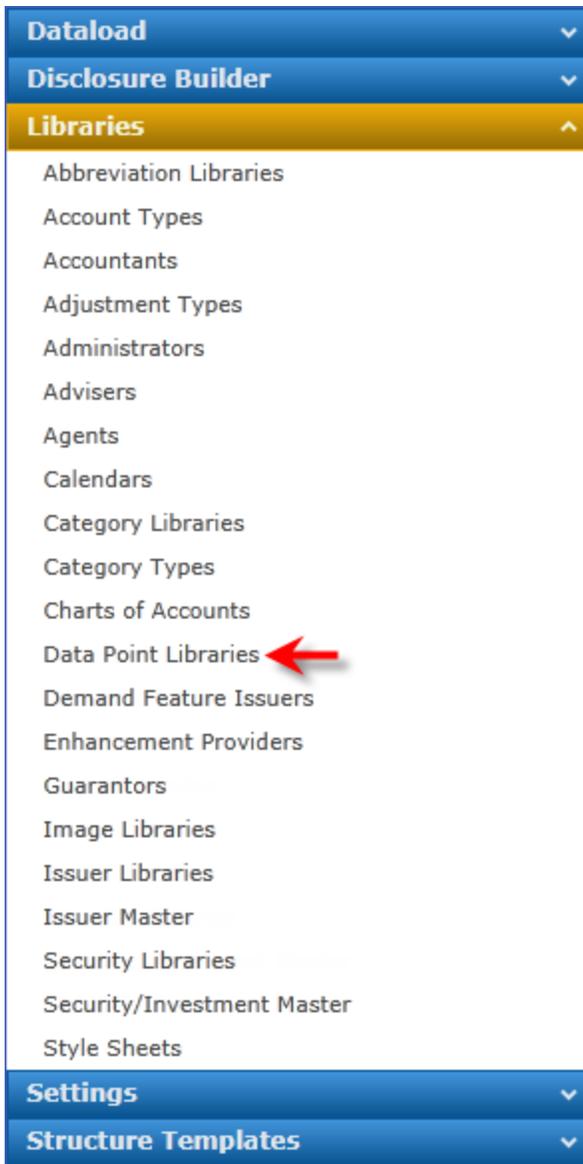
9. Ability to reference data points from a library in financial statement line item captions

Overview

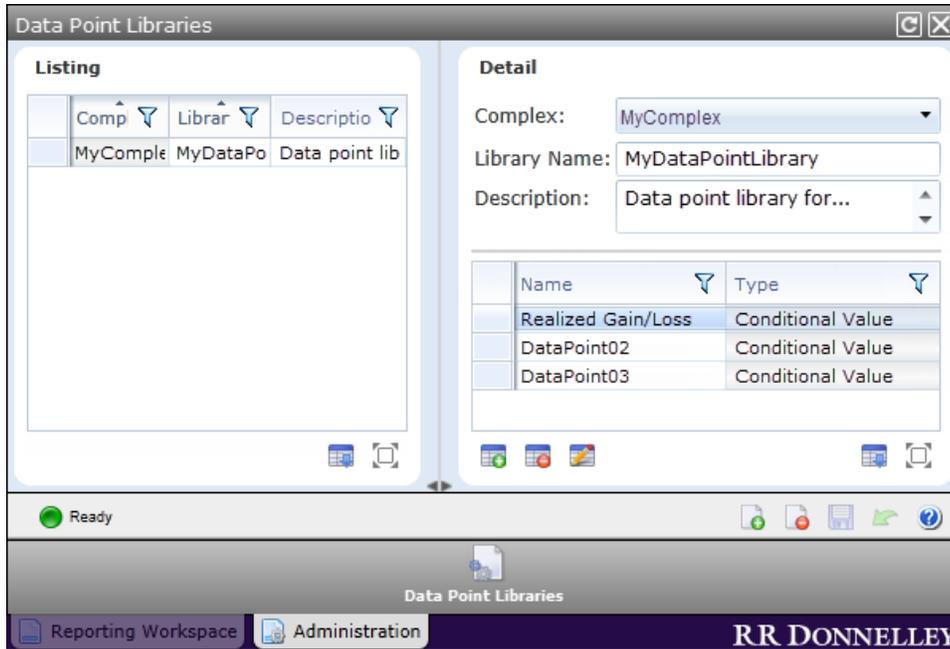
A **Data Point Libraries** page was added to ArcReporting to allow users to create conditional text and reference it within financial statement captions. In future releases of FundSuiteArc users will be able to reference the text throughout ArcReporting.

What's New

1. A new *Data Point Libraries* item was added to the **Libraries** menu section in the **Administration** area of ArcReporting.

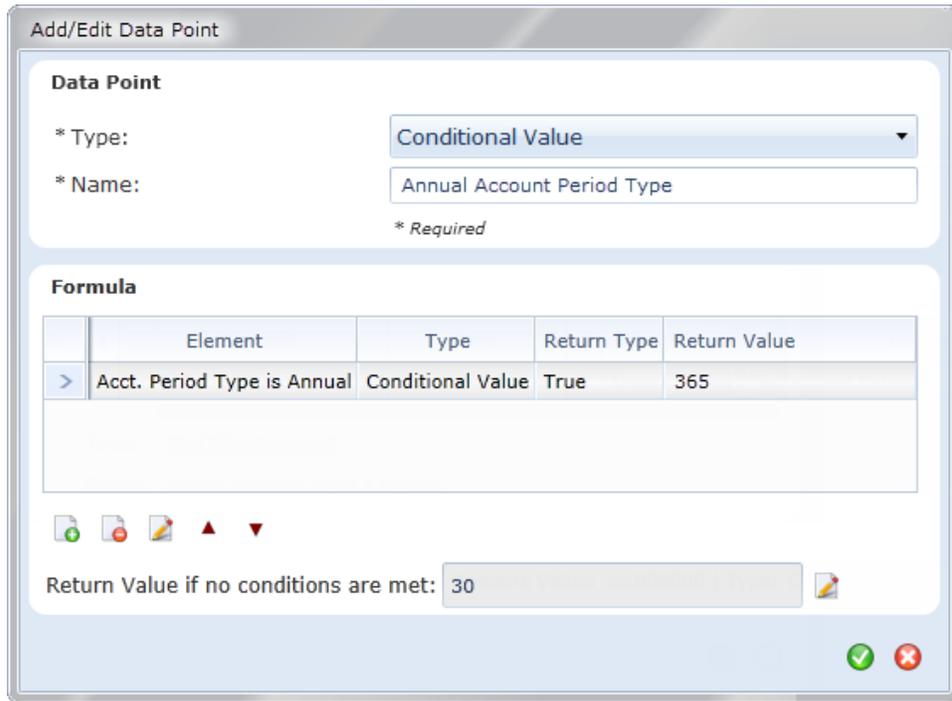


- a. When users click the *Data Point Libraries* menu item, a page opens in which users can create any number of complex-specific libraries to house the data points they define.



- i. Users can add one or more libraries by clicking the **Add** button  at lower-right of the page, specifying a complex and providing a library name.

- ii. Users add data points to a library by clicking the **Add** button  at lower-left of the library grid and define its formula via the **Add/Edit Data Point** dialogue that displays.



Element	Type	Return Type	Return Value
> Acct. Period Type is Annual	Conditional Value	True	365

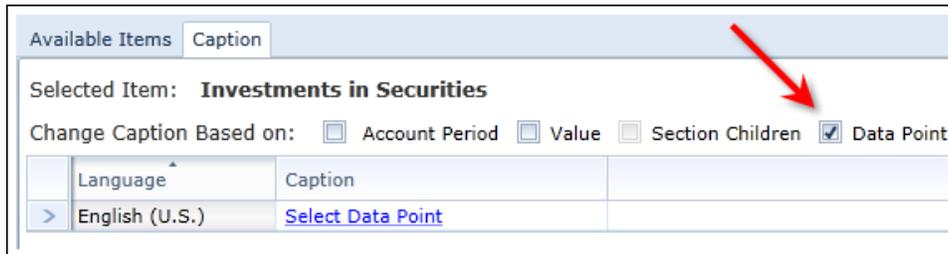
- A. The user specifies a data point **Type** via the corresponding drop-down list (currently **Conditional Value** is the only supported type).
- B. The user provides a name for the data point in the corresponding text box.
- C. The user adds one or more elements to the data point formula, as required to define conditional logic, by clicking the **Add** button  at lower-left of the formula grid.

Note:

This functionality works similarly to conditional text logic in text libraries.

- D. Once the data point formula definition is complete, the user clicks the **Accept** button  at lower-right of the dialogue to add the conditional data point to the library.

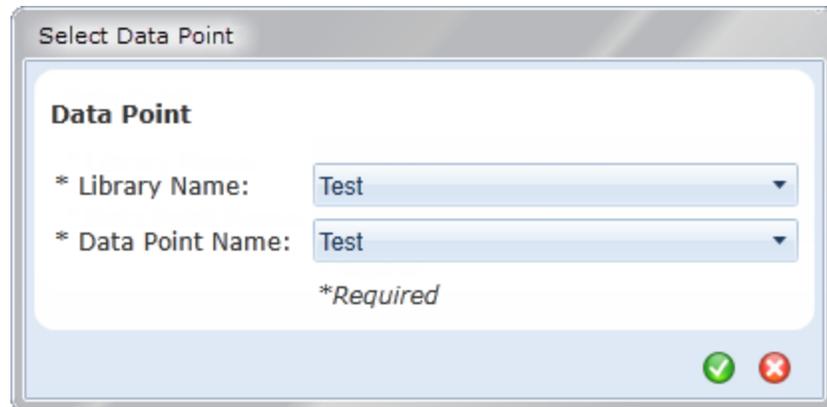
2. Users can now add data points defined in the Data Point Libraries to financial statement template section headers, section totals, sub-section headers, sub-section totals and items (this functionality is not currently available for column headers).
 - a. A **Data Point** check box was added to the **Caption** sub-tab of the **Financial Statement Templates** tab on the **Financial Workbook Templates** page.



Note:

The **Data Point** check box is not available for section headers and totals if the **Append caption based on children** check box is selected.

- i. When the **Data Point** check box is selected, a blue **Select Data Point** link displays in the **Caption** column of the grid for each row in the grid.
 - A. When the link is clicked, a **Select Data Point** dialogue displays, in which the user can specify the data point to insert as the statement template line item's **Caption**.



- B. The **Caption** column link text reflects the specified **Data Point Name**, and the value returned by the data point displays as the line item's caption in statement preview and output.

Available Items		Caption
Selected Item: Investments in Securities		
Change Caption Based on: <input type="checkbox"/> Account Period <input type="checkbox"/> Value <input type="checkbox"/> Section Children <input checked="" type="checkbox"/> Data Point		
Language	Caption	
> English (U.S.)	Test	

Process Changes

No changes to current processes are required.

10. Ability to display up to 30 categories on the Fund Holdings page

Overview

ArcReporting was enhanced to allow up to 30 category libraries to be assigned to category types via the **Fund Report Settings** page and to be viewed on the **Fund Holdings** page. These categories can be used on portfolio statement templates to create different portfolio summaries.

What's New

In previous versions of ArcReporting, there was a limitation on the number of category libraries that could be assigned to an individual fund on the **Fund Report Settings** page. Users can now assign up to 30 category libraries to category types on the **Fund Report Settings** page. Up to 30 levels of categorization can also be viewed via the **Fund Holdings** page.

Process Changes

No changes to current processes are required.

11. Ability to stack and/or aggregate on fields other than a category's sort field(s)

Overview

In previous versions of ArcReporting, a user could enable "Stack" and/or "Aggregate" functionality on portfolio statement templates using only the fields that were specified on the **Sorting** tab. Users can now define fields on which to stack and/or aggregate independently from the **Sorting** settings.

What's New

Stack and **Aggregate** settings can be applied via the **Portfolio Statement Templates** page as in the following example:

1. To enable stacking, click the **Stack** tab.

Settings

Item Type: Category [Output Settings](#)

Category Type: Country

Sorting Prior Period Calculations Subtotal Filter Aggregate **Stack**

Enable Stacking

Please specify the field(s) by which to stack below.

	Stack Level	Column Name
>	1	Caption
	2	Description 01

- a. Select the **Enable Stacking** check box.
- b. Add one or more fields to the grid using the **Add** button  at lower-left of the grid.
- c. Use the **Remove** button  to delete fields from the grid.
- d. Use the **Move item up** or **Move item down** buttons   to adjust the order of fields in the grid, as

necessary.

- e. Click the **Save** button  at lower-right of the page to save settings.
2. To enable aggregation, click the **Aggregate** tab.



Settings

Item Type: Statement [Output Settings](#) 

Sorting Prior Period Calculations Subtotal Filter **Aggregate** Stack

Enable Aggregation
Please specify the field(s) by which to aggregate below.

	Aggregate Level	Column Name
>	1	Caption
	2	Coupon Rate

- a. Select the **Enable Aggregation** check box.
- b. Add one or more fields to the grid using the **Add** button  at lower-left of the grid.
- c. Use the **Remove** button  to delete fields from the grid.
- d. Use the **Move item up** or **Move item down** buttons   to adjust the order of fields in the grid, as necessary.
- e. Click the **Save** button  at lower-right of the page to save settings.

Additional Information

Any existing portfolio statement templates with **Stack** and/or **Aggregate** settings in place prior to upgrade to version 1.10.0 are retained, based on the existing **Sorting** tab settings.

Process Changes

No changes to current processes are required.

12. Enhancements to portfolio statement template output options

Overview

Several new features were added to portfolio statement templates to expand current output functionality. These include the ability to prevent securities that fall in the Top "N" from being aggregated, a *Display On Condensed* data point to help determine why a security was broken out on a condensed SOI, and the ability to group like issuers or other fields when aggregating securities.

What's New

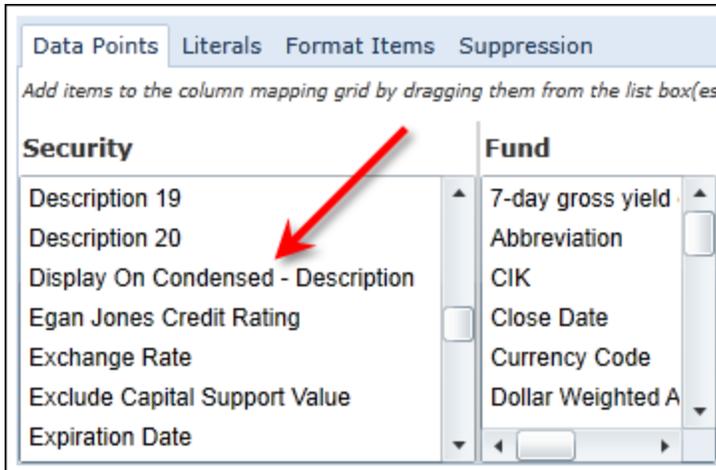
1. An *Ignore Top "N" securities when evaluating Holdings to aggregate* check box option was added to the *Aggregate* tab of the **Portfolio Statement Templates** page. Selecting the check box prevents *Top "N"* securities from being aggregated with other aggregation candidate records.

The screenshot shows the 'Settings' page for 'Statement' Item Type. The 'Aggregate' tab is selected. The 'Enable Aggregation' checkbox is checked. Below it, a table shows the aggregation level and column name. The 'Ignore Top 'N' securities when evaluating Holdings to aggregate' checkbox is checked and highlighted with a red arrow.

Aggregate Level	Column Name
> 1	Caption

Ignore footnotes when evaluating Holdings to aggregate
 Ignore Top 'N' securities when evaluating Holdings to aggregate

2. A *Display On Condensed - Description* data point was added to the **Security** list box on the **Data Points** tab of the **Portfolio Statement Template Output Settings** page. This data point is useful for identifying why a security is broken out on a portfolio statement template of type *Condensed/Summary* in project preview and output, and will assist users in reconciling *Condensed/Summary* portfolio statement output.



- a. When included in the mapping grid for a security row, the *Display On Condensed - Description* data point displays the reason why a security was broken out. Possible reasons for security breakout are as follows, and in the following order:
 - i. *Top N* - Displays if a holding is broken out because it meets the **Top "N"** criteria specified on the **Condensed** tab of the **Portfolio Statement Templates** page.
 - ii. *Percentage* - Displays if a holding is broken out because it meets the **Percentage** threshold specified on the **Condensed** tab of the **Portfolio Statement Templates** page.
 - iii. *Attribute (<Attribute Name>)* - Displays if a holding is flagged via the **Fund Holdings** page with one or more attributes specified in the **Attribute** section of the **Condensed** tab on the **Portfolio Statement Templates** page, when the **Attribute** check box is selected.

Example:

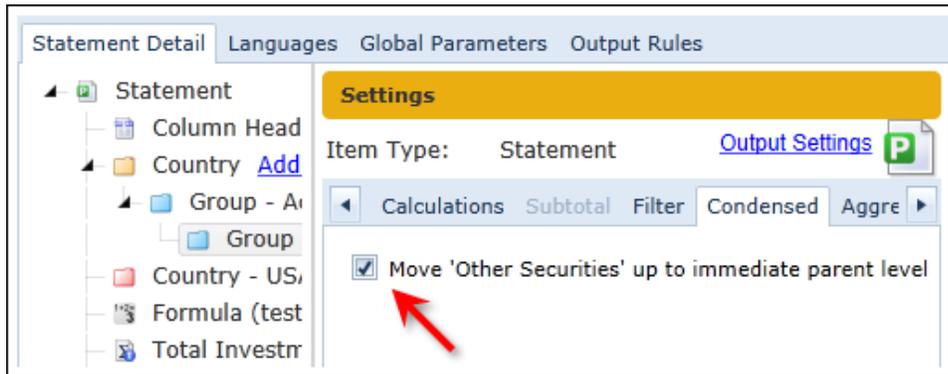
If the *Affiliated* attribute is selected on the **Portfolio Statement Templates** page, any holding with the *Affiliated* flag selected via the **Fund Holdings** page will be broken out and the *Display On Condensed - Description* data point will display a value of *Attribute (Affiliated)*.

- iv. *Additional Inclusion* - Displays if a holding is broken out because it is part of an *Additional Inclusion* set on the *Condensed* tab of the **Portfolio Statement Templates** page.
- v. *Display on Condensed* - Displays if a holding has the *Display on Condensed* check box selected via the **Fund Holdings** page.

Note:

- This data point is available only via the **Portfolio Statement Template Output Settings** page; it is not available on the **Fund Holdings** page.
- This field is only available for use on template rows of type *Security*.

3. A *Move "Other Securities" up to immediate parent level* check box option was added to the *Condensed* tab of the **Portfolio Statement Templates** page for templates of type *Condensed/Summary* that use Groups.
 - a. Selecting the check box for a given group causes the *Other Securities* line item to display once at the parent *Category* or *Group* level, rather than repeating at the selected *Group* level.



Note:

This feature is available for Groups at the innermost statement level only.

Process Changes

No changes to current processes are required.

13. Enhancements to "Condensed" portfolio statement template "Top 'N'" and "Percentage" calculation settings

Overview

Condensed SOI functionality was enhanced to offer additional options when calculating the "Top 'N'" and "Percentage" security breakouts. Features were added that help meet the Summary SOI as defined in Regulation S-X, Rule 12-12C. *Top "N"* and *Percentage* functionality in FundSuiteArc can now aggregate all Fully Collateralized Repos and count them as a single security, *Top "N"* can combine all Short Term Debt securities with a like Issuer and count as a single security, and *Top "N"* can combine all Equity securities with a like Issuer and other attributes and count as a single security. Users can now also filter securities out of the "Top 'N'" count.

What's New

1. The following options were added to the *Top "N"* section on the *Condensed* tab of the **Portfolio Statement Templates** page:
 - a. *Combine all Fully Collateralized Repos for Top "N"* check box
 - i. Selecting the check box aggregates all holdings that are marked as *Fully Collateralized Repo* via the **Fund Holdings** page, and count the aggregation as a single "Top 'N'" security.
 - b. *Combine all Short Term Debt with like <field> for Top "N"* check box and associated drop-down list
 - i. Selecting the check box aggregates all holdings that are marked as *Short Term Debt* via the **Fund Holdings** page that also have the same designated field (set using the drop-down list), and count the aggregation as a single "Top 'N'" security.
 - A. Available field choices are *Caption*, *Description 1* through *Description 20*, and *Issuer*.
 - c. *Combine all Equity securities with like <field> for Top "N"* check box and associated drop-down list and grid
 - i. Selecting the check box aggregates all holdings that have an *Investment Type* value of *Equity* set via the **Fund Holdings** page that also have the same value for the designated field (set using the drop-down list), and count the aggregation as a single "Top 'N'" security.

- A. Available field choices are *Caption*, *Description 1* through *Description 20*, and *Issuer*.
- ii. Additional criteria can be added to this logic by specifying one or more conditions based on *Category* and/or *Field* selections in the grid beneath the check box.
- iii. A new *Investment Type* of *Equity* was added to support this feature. Securities will only be combined if they have an *Investment Type* value of *Equity*.

Note:

Securities cannot be classified with an *Investment Type* of *Equity* during data import/dataload; users can manually update a security's investment type via the **Security/Investment Master** page, if needed.

- d. **Exclude securities from Top "N" where** check box and associated grid
 - i. Selecting the check box and specifying criteria in the grid excludes securities from the "Top 'N'" listing accordingly by *Attribute*, *Category* and/or *Investment Type* value.

Example:

The setup in the figure below excludes all *Affiliated* securities, securities with a *Category* of *Repurchase Agreement* and securities with an *Investment Type* of *Option* from the "Top 'N'".

Top N

Display the top individual holdings by

Combine all Fully Collateralized Repos for Top 'N'

Combine all Short Term Debt with like for Top 'N'

Combine all Equity securities with like for Top 'N'

if the following items are equal:

>	Category/Field	▼
	Category: Security Type Library (STL)	

Exclude securities from Top 'N' where:

	Exclusion Type		Value
>	Attribute		Affiliated: True
	Category		Repurchase Agreements
	Investment Type		Option

2. A **Combine Fully Collateralized Repos for Percentage** check box was added to the **Percentage** section on the **Condensed** tab of the **Portfolio Statement Templates** page.

Percentage

Display individual holdings when grouped by whose

is greater than or equal to % of

Do not aggregate long and short positions

Combine Fully Collateralized Repos for Percentage

- a. Selecting the check box aggregates all holdings that are marked as **Fully Collateralized Repo** via the **Fund Holdings** page, groups them together and displays all of them on a Condensed statement if they exceed the specified percentage threshold.

Process Changes

No changes to current processes are required.

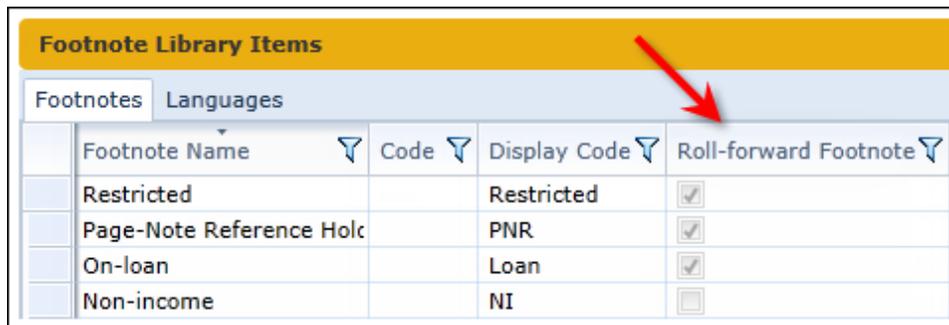
14. Ability to import custom footnotes

Overview

ArcReporting now allows users to designate whether or not an assigned custom footnote should be rolled forward to future account periods. In previous versions of FundSuiteArc, no custom footnotes rolled forward and the footnotes had to be loaded each account period. No change was made to footnotes linked to security library fields that will roll forward to future periods.

What's New

A **Roll-forward Footnote** check box option was added to a column in the grid of the **Footnotes** tab on the **Footnote Libraries - Holdings** page. The new option allows footnote attachments to fund holdings to be rolled forward from the most current previous account period to a future account period.



Footnote Library Items				
Footnotes		Languages		
	Footnote Name	Code	Display Code	Roll-forward Footnote
	Restricted		Restricted	<input checked="" type="checkbox"/>
	Page-Note Reference Holc		PNR	<input checked="" type="checkbox"/>
	On-loan		Loan	<input checked="" type="checkbox"/>
	Non-income		NI	<input type="checkbox"/>

1. When the **Roll-forward Footnote** check box is selected for a footnote record and data is loaded, the footnote attachment(s) for the most current previous account period roll forward to the current account period.
2. When the **Roll-forward Footnote** check box is cleared for a given footnote record and data is loaded, any footnote attachments do not roll forward to the current account period.
3. If a footnote is rolled forward and a data import source file contains the same footnote attachment for a given fund holdings record, the footnote is not attached to the holding twice.

Process Changes

No changes to current processes are required.

15. Ability to calculate "Total Investments" with predefined security types using additional fields

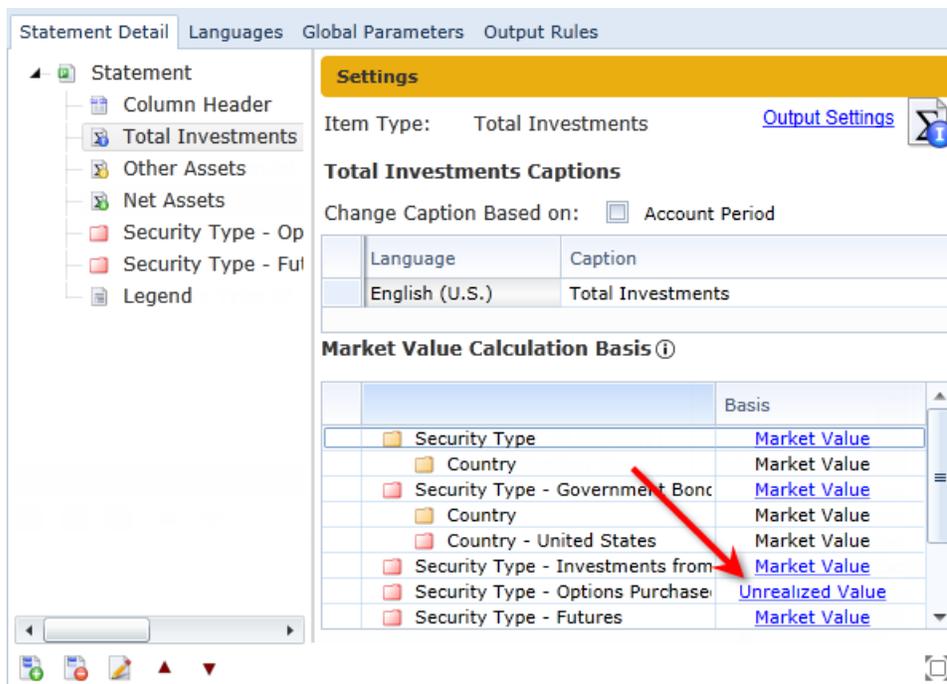
Overview

This functionality allows the user to specify a field other than *Market Value* to be a part of the *Total Investments* line item calculations, including *Percent of Total Investments*. The user can use the *Unrealized Value*, *Market Value - Ask* or *Market Value - Bid* field instead of *Market Value*.

What's New

The following enhancements were implemented to support calculations of the *Total Investments* value using fields other than *Market Value*:

1. ArcReporting was updated to round and foot the *Total Investments* value accordingly when a field other than *Market Value* is specified in the *Market Value Calculation Basis* grid on the **Portfolio Statement Templates** page.



- ArcReporting calculation logic was enhanced to correctly calculate **Percent of Total Investments** and **Percent of Net Assets** values when a field other than **Market Value** is specified as the **Market Value Calculation Basis**.

Note:

- If a value other than **Market Value** is specified as the **Market Value Calculation Basis**, the raw value from that field replaces the raw **Market Value** field value when calculating market value for the fund(s) using that particular portfolio statement template. Therefore, the **Market Value** field value displayed in project preview and output will not match the **Market Value** seen on the **Fund Holdings** page.
- If a field other than **Market Value** is specified as the **Market Value Calculation Basis** for the **Total Investments** line item, **Market Value** should be used in the statement template's output settings to display the correct value for output purposes.

Process Changes

No changes to current processes are required.

16. Enhancements to portfolio statement stacking functionality

Overview

ArcReporting stacking functionality (also known as "managing duplicate captions") was enhanced allowing additional features such as indenting stack levels when previewing, setting a layout for securities that do not participate in a stack, suppressing a stack level if it is blank and ignoring or including footnotes when stacking.

What's New

The following features were added to enhance the existing "Stack" functionality available in ArcReporting.

Note:

A portfolio statement template must first have the **Enable Stacking** check box selected on the **Stack** tab to activate the stacking features explained below.

- Portfolio statement preview on the **Project** page was enhanced to indent stack levels and corresponding stack total records to differentiate between up to 5 stack levels.

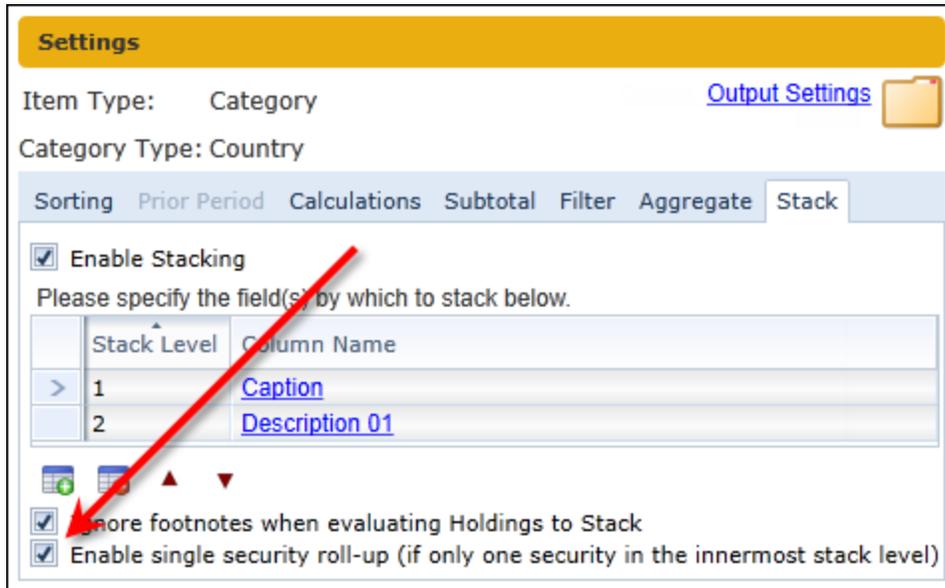
Portfolio Statement		
Schedule of Investments		
Template Used: Donnelley International Bond Fund Output Settings		
4.2500%, 1/29/19, Royal Bank of Canada		1,024,960
Series A		
5.000%, 3-24-19 (USD)	1,049	2,424,140
5.000%, 2-25-19 (EUR)	1,048	5,535,271

- Users can select the **Enable Single Security Roll-up** check box to enable roll-up logic when using stacking functionality.

Note:

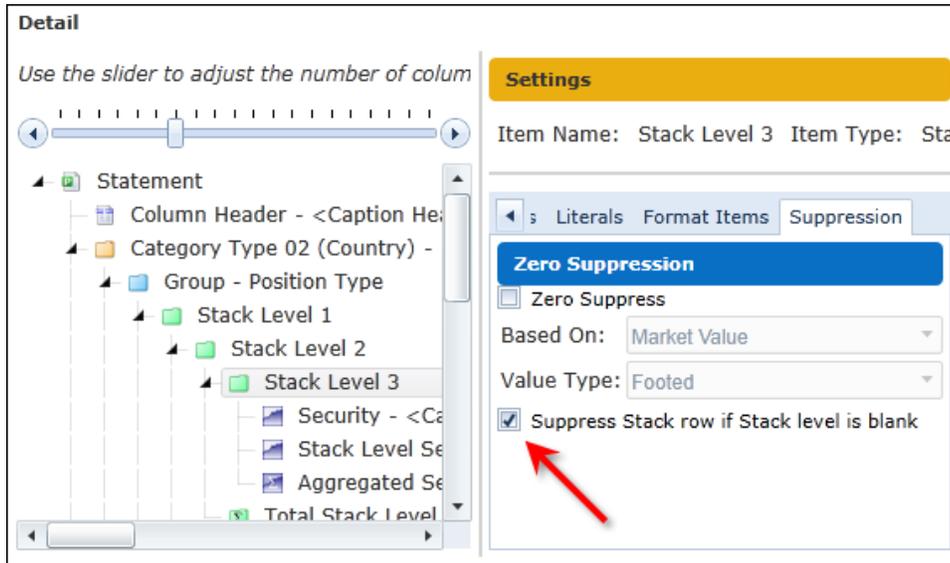
This option is disabled by default when stacking is enabled on a portfolio statement template.

- a. When enabled, this feature lets the user apply portfolio statement template output settings to a row of type *Stack Level Security Single*, if the output should differ when a single security exists within the stack.



- 3. A new **Suppress stack row if stack record is blank** check box option was added to the **Suppression** tab of the **Portfolio Statement Template Output Settings** page for rows of types *Stack Level* and *Stack Total*.
 - a. This check box is selected by default when stacking is enabled on a portfolio statement template.
 - b. This option is available for all *Stack Level* and *Stack Total* rows.

- c. When the **Suppress stack row if stack record is blank** check box is selected, **Stack Level** and/or corresponding **Stack Total** rows are suppressed in statement preview and output when data points for those records are blank.



- 4. An **Ignore footnotes when evaluating holdings to stack** check box was added to the **Stack** tab of the **Portfolio Statement Templates** page. This setting determines whether or not footnote attachments to security records should be considered when stacking securities.
 - a. If the **Ignore footnotes when evaluating holdings to stack** check box is selected, stacking occurs based on the stacking fields specified, and any footnote attachments are ignored.

- b. If the *Ignore footnotes when evaluating holdings to stack* check box is cleared, all footnote attachments on securities must match exactly in order for stacking to occur. Stacking is also dependent on the elections made on the *Stack* tab for fields on which to stack.

Settings

Item Type: Category [Output Settings](#) 

Category Type: Country

Sorting
Prior Period
Calculations
Subtotal
Filter
Aggregate
Stack

Enable Stacking
 Please specify the field(s) by which to stack below.

	Stack Level	Column Name
>	1	Caption
	2	Description 01




▲ ▼

Ignore footnotes when evaluating Holdings to Stack
 Enable single security roll-up (if only one security in the innermost stack level)

Process Changes

No changes to current processes are required.

17. Enhancements to portfolio statement vertical and horizontal value footing

Overview

In a previous FundSuiteArc release, functionality was added that calculates the *Cost* or *Unrealized Value* of securities instead of using the value loaded via fund holdings. These calculated fields are used to ensure that values foot vertically and horizontally in a table when the totals display for both. New functionality now allows users to reference those values in calculation sheets.

What's New

Users can reference *Cost (calculated)* and *Unrealized Value (calculated)* values in financial statement template calculation sheets.

1. For calculation sheet items of type *Holdings*, the *Cost (calculated)* and *Unrealized Value (calculated)* fields can display the sum of the value for each field. These fields are available for financial workbooks of the following types:
 - a. *Holdings Category*
 - i. The user must specify the corresponding *Category Library*, *Category by which to group* and *Value to sum*.

Add Formula Element

Financial Workbook

* Type:

* Category Library:

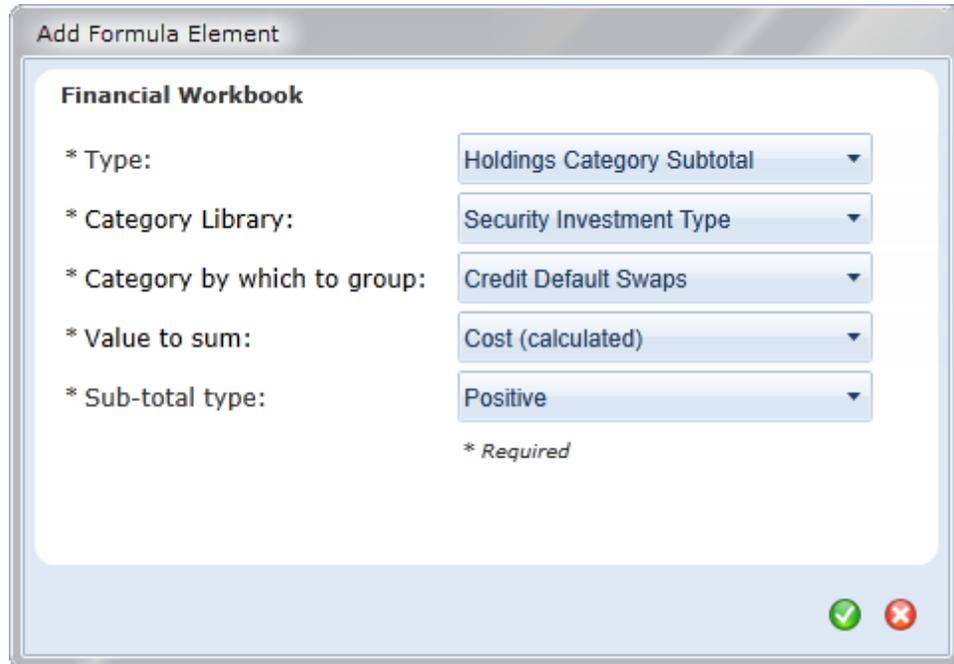
* Category by which to group:

* Value to sum:

* Required

b. *Holdings Category Subtotal*

- i. The user must specify the corresponding **Category Library**, **Category by which to group**, **Value to sum** and **Sub-total type**.



Add Formula Element

Financial Workbook

* Type: Holdings Category Subtotal

* Category Library: Security Investment Type

* Category by which to group: Credit Default Swaps

* Value to sum: Cost (calculated)

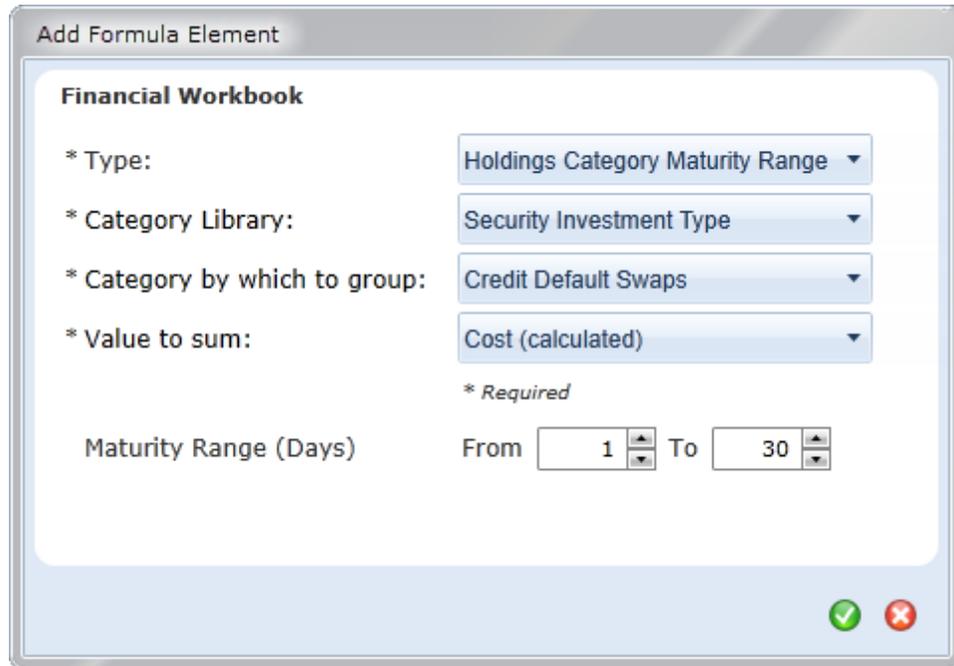
* Sub-total type: Positive

* Required

c. *Holdings Category Maturity Range*

- i. The user must specify the corresponding **Category Library**, **Category by which to group** and **Value to sum**.

- ii. The user can optionally indicate *Maturity Date Range (Days)* in the *From* and *To* fields.



Add Formula Element

Financial Workbook

* Type: Holdings Category Maturity Range ▾

* Category Library: Security Investment Type ▾

* Category by which to group: Credit Default Swaps ▾

* Value to sum: Cost (calculated) ▾

* Required

Maturity Range (Days) From To

Process Changes

No changes to current processes are required.

18. New "Price Add" and "Price Bid" calculated portfolio statement fields

Overview

In version 1.9.0, FundSuiteArc was enhanced to allow upload of the **Bid/Ask** price for a security and to have the market value and unrealized value automatically calculated for each security, based on the shares held and the cost of the security. These values can be added to calculation sheets to adjust financial statements and perform analysis, as needed. FundSuiteArc was enhanced by adding the display of six new calculable fields on the **Fund Holdings** page. These new fields can have values footed, if necessary, in project preview and output.

What's New

1. The following new calculable fields were added to the *Reporting - All* view of the grid on the **Holdings** tab of the **Fund Holdings** page:
 - a. **Market Value Ask (calculated)**, **Market Value Bid (calculated)**, **Unrealized Value Ask (calculated)**, **Unrealized Value Bid (calculated)**, **Bid/Ask Spread Value (calculated)**, **Bid/Ask Spread Percent (calculated)**.
 - i. All of the new calculated values return 0 if the numerator or denominator is zero/null.
 - ii. If the **Bid/Ask Values** field is not added to the **Calculations** tab of the fund's primary portfolio statement, the value does not calculate and all **Bid/Ask** values display as 0 in preview/output.
 - A. The **Bid/Ask Values** field can be added to and calculate for a secondary statement, whether or not it is added to the primary portfolio statement.

Note:

These fields can now be added to custom grid views, as well.

2. When displaying totals for any of the new calculable values in project preview and output, the value is the sum of the footed values calculated on the primary statement for the securities in that group.

Process Changes

No changes to current processes are required.

19. Ability to footnote portfolio statement categories and column headers

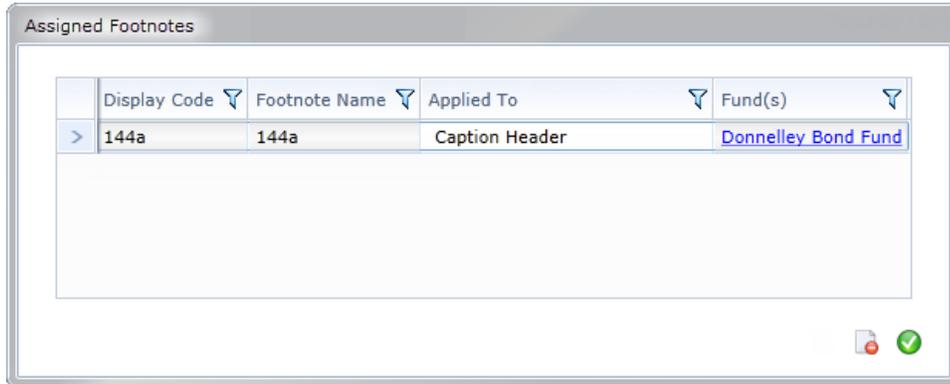
Overview

The **Footnote Preview and Assignment** page was enhanced so footnotes can be assigned to statement formulas. Functionality was also added that allows users to push column header footnotes to other funds. Lastly, securities that are aggregated on output are shown individually so users can assign footnotes to those securities.

What's New

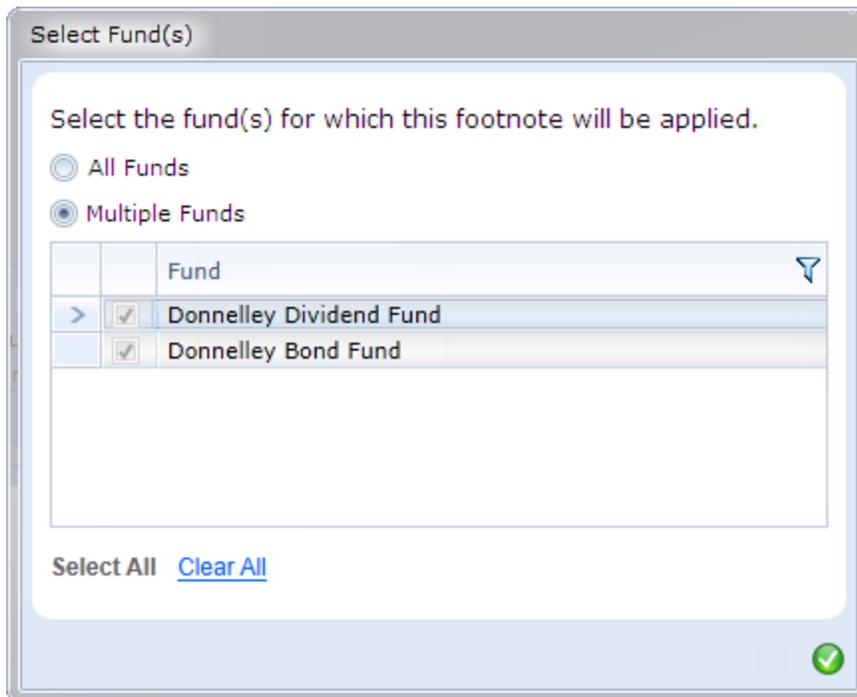
1. Users can add footnotes to *Formula* line items via the **Footnote Preview and Assignment** page.
 - a. Footnotes can be dragged and dropped from the **Available Footnotes** pane to *Formula* line items in the statement preview grid at left of the page.
 - b. A user must also assign footnote output settings to the formula line item to view the footnote in statement preview and output.
2. Footnotes can be assigned to *Column Header* row types via the **Footnote Preview and Assignment** page. Users can push the column header footnote assignment to any other fund contained in the project that is using the same portfolio statement template by following the steps outlined below:
 - a. Click the footnote link displayed in either the **Footnote Display Code(s)** or **Applied To** field for the column header row.

The **Assigned Footnotes** dialogue displays.



- b. Click the link in the **Fund(s)** column of the grid to change the fund assignment for a given footnote.

The Select Fund(s) dialogue displays.



- c. Specify one of the following options to assign column header footnotes to other funds in the project:
 - i. *All Funds* - The footnote is applied to all funds within the project.
 - ii. *Multiple Funds* - The footnote is applied to one or more funds within the project, according to the check box(es) selected in the funds grid.
- d. Click the **Accept** button  at lower-right of the Select Fund(s) dialogue to save changes and exit the dialogue.
- e. Click the **Accept** button  at lower-right of the **Assigned Footnotes** dialogue to save changes and exit the dialogue.
3. Fund holdings aggregated together in statement preview and output as *Aggregated Securities* display as separate records on the **Footnote Preview and Assignment** page, allowing them to be footnoted individually.
4. Fund holdings aggregated together in statement preview and output as *Other Securities* display as separate records on the **Footnote Preview and Assignment** page, allowing them to be footnoted individually.
5. Users can export a listing of footnotes and associated symbols/codes in the library by clicking the **Export Data** button  at lower-right of the grid.

Process Changes

No changes to current processes are required.

20. Sort of categories including exceptions and multiple categories within the exceptions

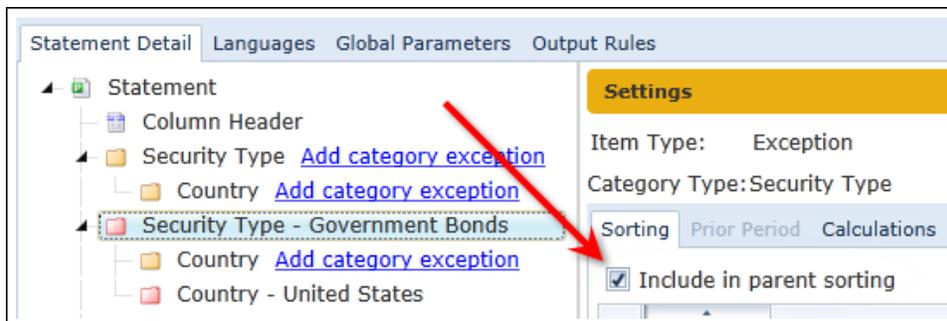
Overview

Functionality was added to the **Portfolio Statement Templates** page to allow category exceptions to be sorted with other exceptions and the main category section. So if, for example, statement output needs to display categories by **Market Value** descending, this can now be accomplished even if a category exception was created.

What's New

Category exceptions can be set up in ArcReporting when a particular category requires different portfolio statement template settings than the first main category section of the template. In previous versions of ArcReporting, exception categories could not be sorted with non-exception categories within the statement. The exception categories displayed in statement preview and output just as they displayed within the statement template. An **Include in parent sorting** check box option was added so that exception categories, and multiple categories within exceptions, can be included for sorting with the main category grouping.

- To include an exception category within the overall statement sorting, click the exception category in the tree structure with the left mouse button and then select the **Include in parent sorting** check box located on the **Sorting** tab of the **Portfolio Statement Templates** page.



- The **Include in parent sorting** check box can be selected for category exceptions at any level, including multiple exceptions within any one category level.
- The **Include in parent sorting** check box is selected by default when a new category exception is added to a portfolio statement template.

- If the **Include in parent sorting** check box is not selected for a given exception, the exception is not included in the parent sorting for the statement, and the exception does not display based on its placement within the portfolio statement template tree structure.
- If a category exception is placed below the **Total Investments** line items (thus removing the values from the calculation of **Total Investments**) and the exception is set to **Include in parent sorting**, the exception is sorted with the parent and the values display as part of the **Total Investments** sum.

Note:

This is not a common setup scenario.

Additional Information

The **Include in parent sorting** feature is not available for portfolio statement templates set up to sort using Groups, as groups do not support exceptions.

Process Changes

No changes to current processes are required.

21. Enhancements to support fund fiscal year end changes

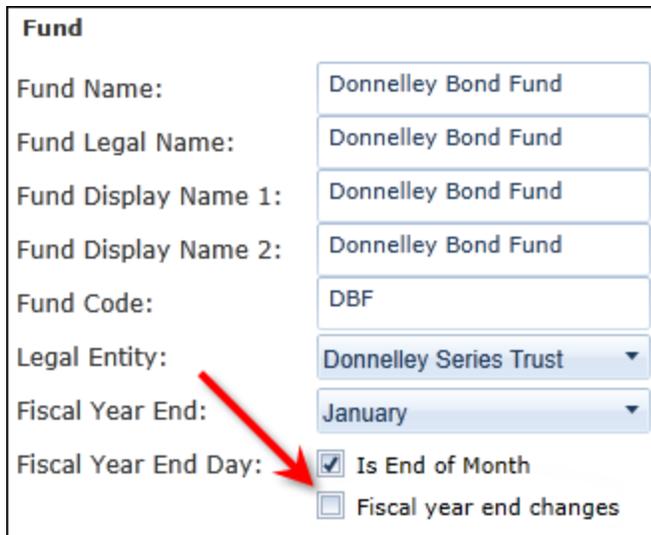
Overview

ArcReporting now supports the display of changing fiscal year ends in financial statement repeat groups (standard and pivoted). When repeating for historical periods if the fund's fiscal year end changed, ArcReporting allows the user to define the changes and the statement adjusts accordingly.

What's New

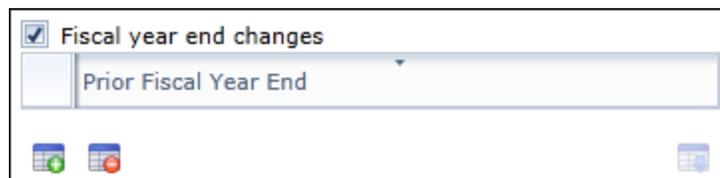
1. Funds page

- a. Users can now specify settings to account for a change in a fund's fiscal year end.



Fund	
Fund Name:	Donnelley Bond Fund
Fund Legal Name:	Donnelley Bond Fund
Fund Display Name 1:	Donnelley Bond Fund
Fund Display Name 2:	Donnelley Bond Fund
Fund Code:	DBF
Legal Entity:	Donnelley Series Trust
Fiscal Year End:	January
Fiscal Year End Day:	<input checked="" type="checkbox"/> Is End of Month <input type="checkbox"/> Fiscal year end changes

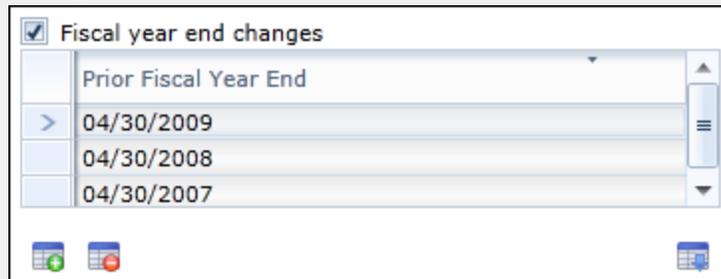
- i. When a user selects the *Fiscal year end changes* check box option for a given fund, a grid now displays, allowing the user to specify the prior fiscal year end(s).



<input checked="" type="checkbox"/> Fiscal year end changes
<input type="text" value="Prior Fiscal Year End"/>
  

- ii. The user can add one or more fiscal year ends to the grid by clicking the *Add new item to grid* button  at lower-left of the grid.
- iii. A drop-down list displays, from which the user can select the previous fiscal year end.
 - A. Users must add every prior fiscal year end to the grid that they plan to display in statement output (there is no need to add all account periods back to 1980).

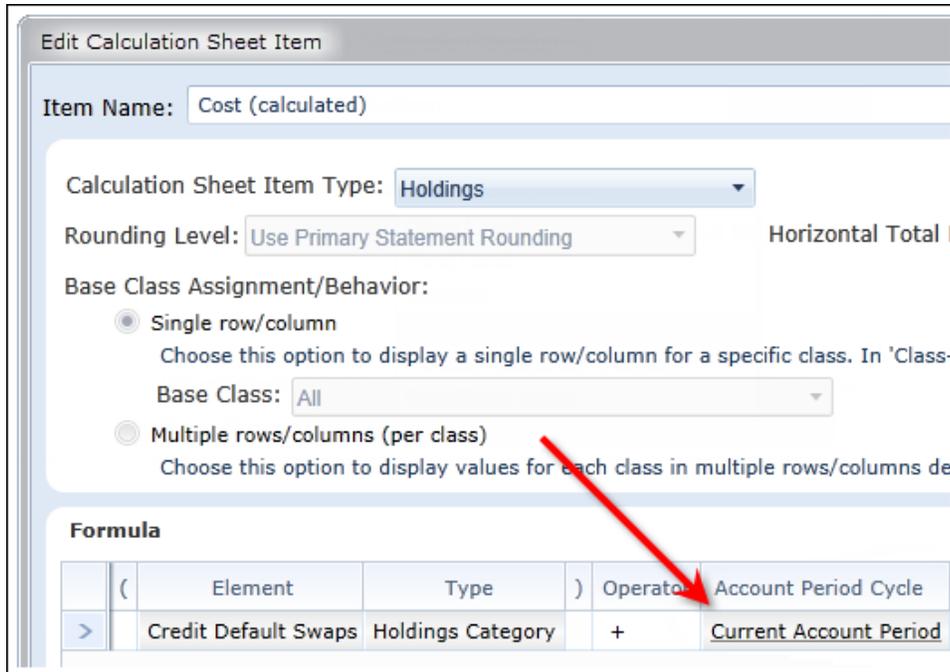
Example:



1. A fund's year end changed from April to January in 2009.
2. The user would need to add the April year ends that apply.

2. Financial Workbook Templates page

- a. Calculation sheet functionality was enhanced to allow for a change in the fiscal year ends on the *Account Period Cycle* selection of a calculation sheet item's formula.



Item Name: Cost (calculated)

Calculation Sheet Item Type: Holdings

Rounding Level: Use Primary Statement Rounding

Base Class Assignment/Behavior:

- Single row/column
Choose this option to display a single row/column for a specific class. In 'Class-Base Class: All
- Multiple rows/columns (per class)
Choose this option to display values for each class in multiple rows/columns de

Formula

	(Element	Type)	Operator	Account Period Cycle
>		Credit Default Swaps	Holdings Category		+	Current Account Period

- b. FundSuiteArc now knows to check for fiscal year end changes when returning values in calculation sheets.

3. Project Templates page

- a. Column repeat functionality was enhanced to accommodate a change in fiscal year end.
 - i. In the situation where a fund has a fiscal year end change during repeating periods, ArcReporting pulls in the corresponding account period data.

Example:

1. The January 31, 2012 annual would show the following items:
 - a. January 31, 2012 - Current Account Period
 - b. January 31, 2011 - Fiscal Year End 1st Prior
 - c. January 31, 2010 - Fiscal Year End 2nd Prior
 - d. April 30, 2009 - Fiscal Year End 3rd prior

- e. April 30, 2008 - Fiscal Year End 4th prior
 - f. April 30, 2007 - Fiscal Year End 5th prior
2. The prior period logic enhancement was made to the following items:
- a. **Financial Workbook Templates** page, *Financial Statement Templates* tab, *Account Periods* sub-tab
 - b. Financial Highlights - Standard
 - c. **Tabular Data Template Output Settings** page, *Period* data points
 - d. **Financial Statement Template Output Settings** page, *Period* data points
 - e. **Portfolio Statement Template Output Settings** page, *Period* data points
 - f. **Portfolio Statement Templates** page, *Prior Period* tab
 - g. **Text Libraries** page, *Account Period* data points
 - h. **Document Structure Templates** page, section-level account period behavior settings

- b. On pivoted financial statements, row repeat functionality was enhanced to accommodate a change in fiscal year ends.
 - i. In the situation where a fund has a fiscal year end change during repeating periods, ArcReporting pulls in the corresponding account period data.

Example:

<p>Donnelley Bond Fund</p> <p>Class A Shares</p> <p>Year Ended January 31, 2012</p> <p>Year Ended January 31, 2011</p> <p>Year the period ended January 31, 2010</p> <p>Year Ended April 30, 2009</p> <p>Year Ended April 30, 2008</p> <p>Year Ended April 30, 2007</p>

Process Changes

No changes to current processes are required.

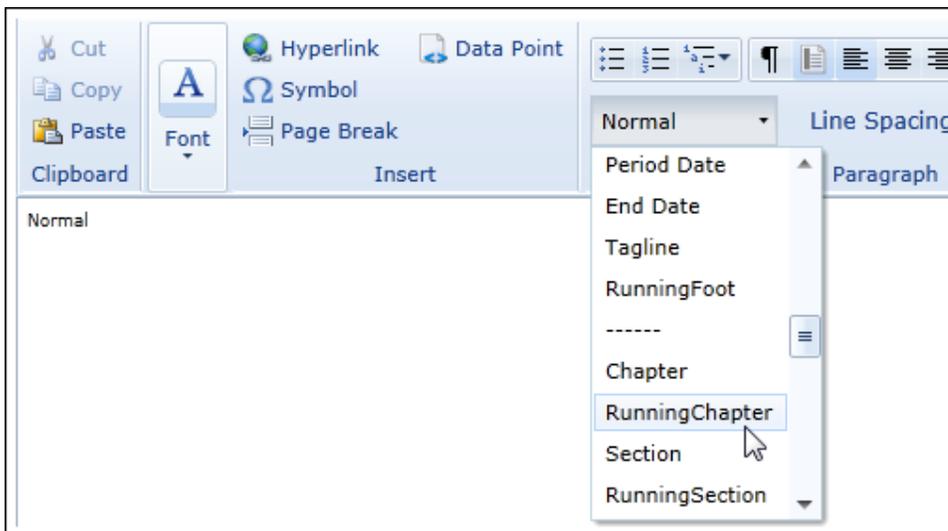
22. Additional output style types for project elements

Overview

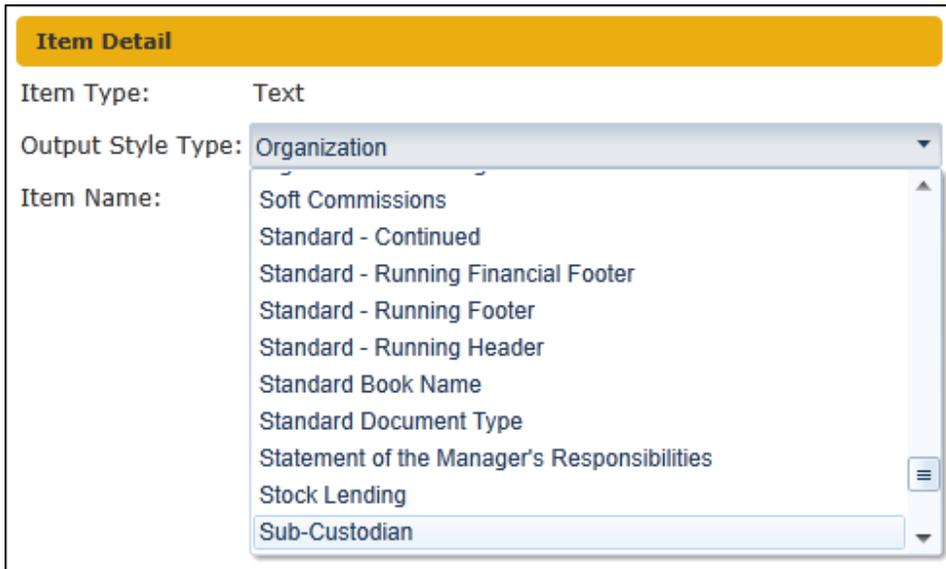
Additional output style types were added throughout ArcReporting to increase flexibility in output style and complexity.

What's New

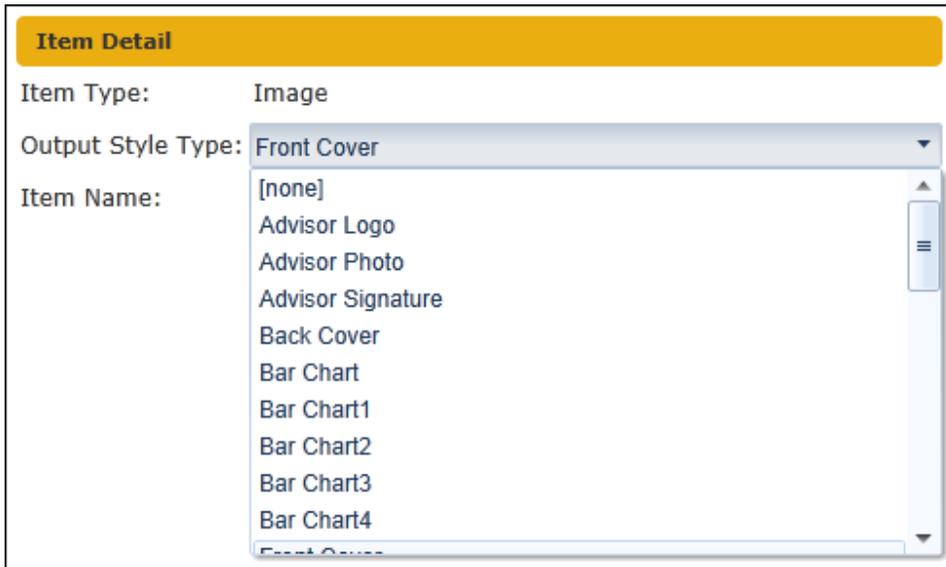
1. Additional style selections were added to both non-table paragraph styles and non-table headings within the **Paragraph Style** drop-down list in the text editor of the **Text Libraries, Footnote Libraries – Holdings** and **Footnote Libraries – General Ledger** pages.



- Additional **Output Style Type** selections were added for items of type **Text** on the **Document Structure Templates** page.



- Additional **Output Style Type** selections were added for items of type **Image** on the **Document Structure Templates** page.



- Additional **Output Style Type** selections were added for items of type **Financial** on the **Document Structure Templates** page.

Item Detail

Item Type: Financial

Output Style Type: Statement of Assets and Liabilities

Item Name: [none]
 Alternate Cash Flow Table 1
 Alternate Cash Flow Table 2
 Alternate FH Table 1
 Alternate FH Table 2
 Alternate SAL Table 1
 Alternate SAL Table 2
 Alternate SOC Table 1
 Alternate SOC Table 2
 Alternate SOCUnit Table 1
 Alternate SOCUnit Table 2

- Additional **Output Style Type** selections were added for items of type **Table** on the **Document Structure Templates** page.

Item Detail

Item Type: Table

Output Style Type: Related Party Transactions

Item Name: [none]
 Bank Borrowing or Loans
 Board members, officers and Trustees
 Board members, officers and Trustees alternate style 1
 Board members, officers and Trustees alternate style 2
 Capital Share or Unit Transactions
 Cash Balances
 CCLux Reporting
 Changes in Realized/Unrealized Inv
 Creditors
 Debtors

- Additional **Output Style Type** selections were added for items of type **Portfolio** on the **Document Structure Templates** page.

Item Detail

Item Type: Portfolio

Output Style Type: [none] ▼

Item Name: [none]

- Alternate SOI Table 1
- Alternate SOI Table 2
- Alternate SOI Table 3
- Alternate SOI Table 4
- Alternate SOI Table 5
- Closed Forward Foreign Exchange Contracts
- Condensed
- Contracts for Difference
- Credit Default Swaps
- Qualification Summary

Process Changes

No changes to current processes are required.

23. Enhancements to spread output settings for financial statements

Overview

Options were added that allow users to define the display of line captions and the placement of footnote legends within multi-fund financial statements that spread over left and right pages.

What's New

1. A **Line Caption Display** drop-down list was added to the **Spread Settings** sub-tab of the **Project Templates** page, when a financial statement template item is selected in the tree view structure.
 - a. The following options are available for selection:
 - i. **Left- and right-facing pages** (default setting) - Displays all columns to the left of the repeat group (line captions) on both the left- and right-facing pages in statement output.
 - ii. **Left-facing pages only** - Displays the line captions only on the left-facing pages in statement output, with automated alignment of the left and right pages.
2. A **Footnote Legend Placement for Spread Output** drop-down list was added to the **Spread Settings** sub-tab of the **Project Templates** page, when a financial statement template item is selected in the tree view structure.
 - a. The following options are available when **Left- and right-facing pages** is specified as the **Line Caption Display** value:
 - i. **All pages (page specific)** - Displays a footnote legend at the bottom of every page of the statement; the footnotes that display in the legend on each page are page-specific.
 - ii. **Last spread - last page** - Displays a footnote legend at the bottom of the last page of the last spread of the statement; all the footnotes across all pages display in the legend.
 - b. The following options are available when **Left-facing pages only** is specified as the **Line Caption Display** value:
 - i. **Each Spread - left page (spread specific)** - Displays a footnote legend at the bottom of every left-facing page for each spread of the statement; the footnote legend contains only those footnotes found within the left- and right-facing pages of each spread.

- ii. *Each Spread - right page (spread specific)* - Displays a footnote legend at the bottom of every right-facing page for each spread of the statement; the footnote legend contains only those footnotes found within the left- and right-facing pages of each spread.
- iii. *Last spread - left page* - Displays a footnote legend at the bottom of the last left-facing page of the last spread of the statement; all the footnotes across all pages display in the legend.
- iv. *Last spread - right page* - Displays a footnote legend at the bottom of the last right-facing page of the last spread of the statement; all the footnotes across all pages display in the legend.
- v. *All pages (spread specific)* - Displays a footnote legend at the bottom of every page of the statement; the footnote legend contains only those footnotes found within the left- and right-facing pages of each spread.

Additional Information

The style sheet associated with the output of the document may need to be updated to utilize all the available options this additional functionality offers.

Process Changes

No changes to current processes are required.

24. Option to hide bleeds in PDF project output

Overview

Users can now opt to hide bleeds when publishing project content in PDF format. The pages of the resulting output display as they would in the printed document.

What's New

A **Hide Bleeds** check box option was added to the **Output Management** tab of the **Project** page in association with output documents of type **PDF**.

The screenshot shows the 'Output Management' tab of a software interface. It features several sections for configuring output settings:

- Current Proof Version:** 1
- Output Document Type:** PDF, Word, EDGAR (HTML)
- Output Blackline Type:** PDF Blackline (Financial), PDF Blackline (Strikethrough), PDF Change Pages Clean, PDF Change Pages Blackline (Financial). To the right are 'From draft:' and 'To draft:' dropdown menus.
- Output Options:** Include Bannerline (PDF only), Hide Bleeds (PDF only) (highlighted with a red arrow).

At the bottom, there are links for 'Select all', 'Clear all', and 'Project Excel Export'.

- Selecting this option and publishing results in a PDF that appears true to the printed document (*i.e.*, document bleeds are hidden).
- When sending documents for final printing, users may send documents either with or without bleeds.

Process Changes

No changes to current processes are required.

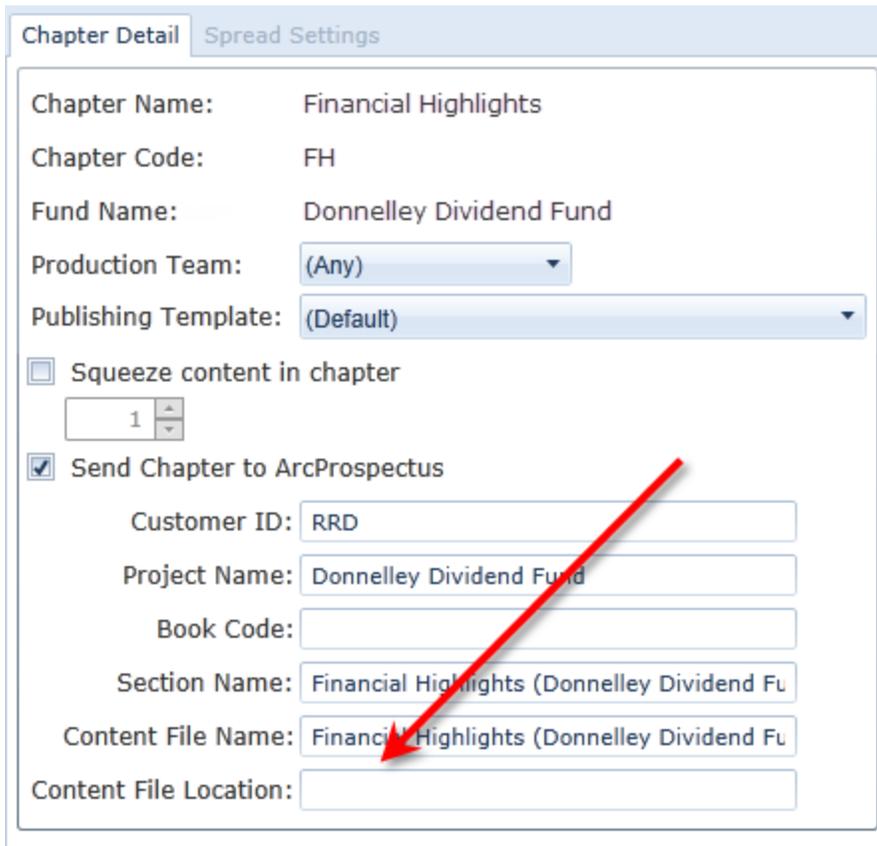
25. Enhancements to ArcProspectus content integration

Overview

Functionality that allows users to tag chapters within ArcReporting for use in ArcProspectus was enhanced.

What's New

A **Content File Location** text box was added beneath the **Send Chapter to ArcProspectus** check box option on the **Chapter Detail** sub-tab of the **Contents** tab on the **Project Templates** page to assist with the transmission of ArcReporting data to ArcProspectus.



Chapter Detail | Spread Settings

Chapter Name: Financial Highlights

Chapter Code: FH

Fund Name: Donnelley Dividend Fund

Production Team: (Any) ▾

Publishing Template: (Default) ▾

Squeeze content in chapter

1 ▾

Send Chapter to ArcProspectus

Customer ID: RRD

Project Name: Donnelley Dividend Fund

Book Code:

Section Name: Financial Highlights (Donnelley Dividend Fu

Content File Name: Financial Highlights (Donnelley Dividend Fu

Content File Location:

Process Changes

No changes to current processes are required.

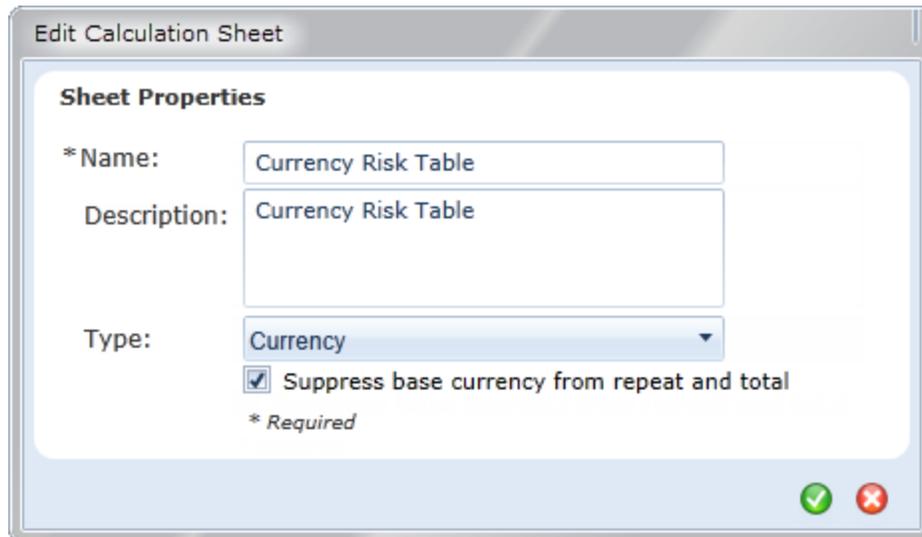
26. Pivoted financial statements for currency risk tables

Overview

Over the last several product releases ArcReporting was enhanced to allow users to load general ledger accounts and holdings information by currency, to create currency risk tables that sum portfolio and trial balance information, and to display the information in a currency table. Pivoted financial statement template functionality was enhanced in this release to include a currency repeat group, which facilitates the creation of currency risk tables.

What's New

1. Users can create a calculation sheet of type *Currency* with items that pull trial balance or holdings information and display this information by class.
 - a. Specify *Currency* as the calculation sheet's *Type*.



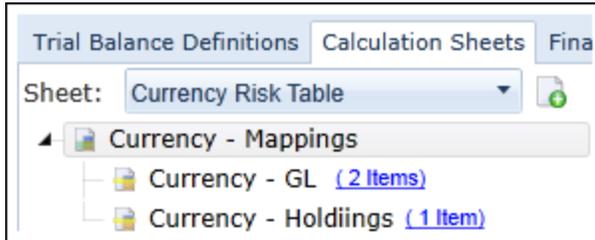
The screenshot shows a dialog box titled "Edit Calculation Sheet". Inside, there is a section titled "Sheet Properties" with the following fields and options:

- *Name: Currency Risk Table
- Description: Currency Risk Table
- Type: Currency (dropdown menu)
- Suppress base currency from repeat and total

Below the checkbox, there is a note: * Required. The dialog box has a green checkmark icon and a red X icon in the bottom right corner.

- i. If desired, the user can suppress the base currency of the fund. This also suppresses the base currency in the financial statement table in output.

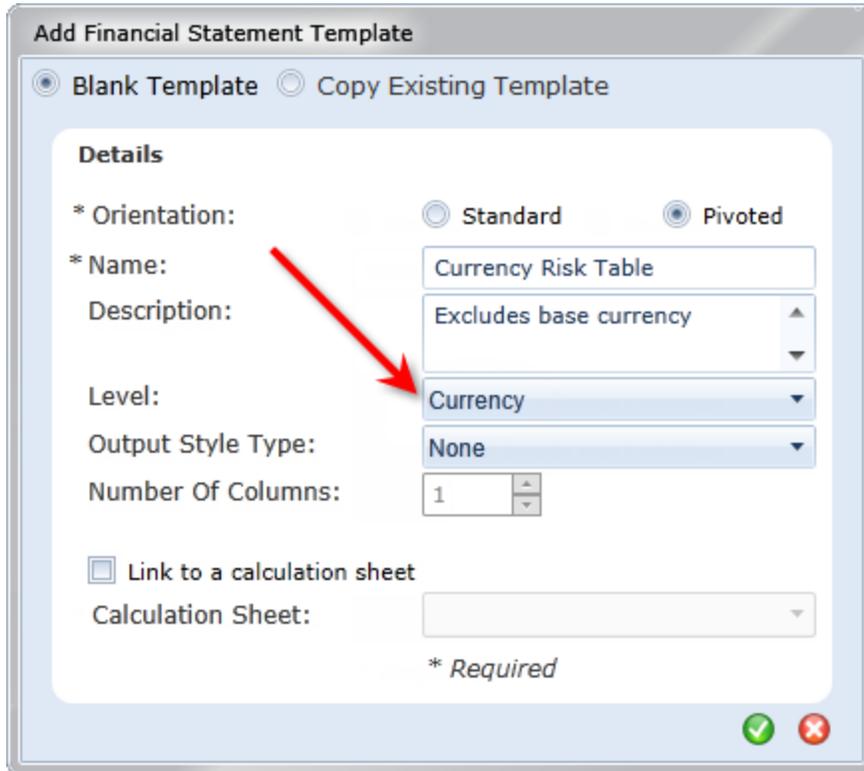
- b. Add sections and items that pull data from the trial balance, holdings or other currency-type calculation sheet items.



- c. Preview the calculation sheet values via the **Calculation Sheets** tab of the **Financial Workbook** page. The **None/All** total displays in the leftmost value column. All currencies held by the fund repeat in order by currency code from left to right.

Trial Balance		Fund Data Points	Class Balances	Supplemental Data	Calculation Sheets	Financial
Sheet: Currency Risk Table		Edit Sheet				
Name	None/All	AUD	CAD	CHF	EUR	
> Currency - Mappings						
Currency - GL	5,240,832	0	12,749	90,128	13,508	
Currency - Holdings	164,285,804	3,108,237	8,559,484	3,495,157	34,142,911	
Currency - Mappings Total	169,526,636	3,108,237	8,572,233	3,585,285	34,156,419	

2. Users can create a currency-level pivoted financial statement template.
 - a. Specify *Currency* as the statement template's *Level*.



Add Financial Statement Template

Blank Template Copy Existing Template

Details

* Orientation: Standard Pivoted

* Name: Currency Risk Table

Description: Excludes base currency

Level: Currency

Output Style Type: None

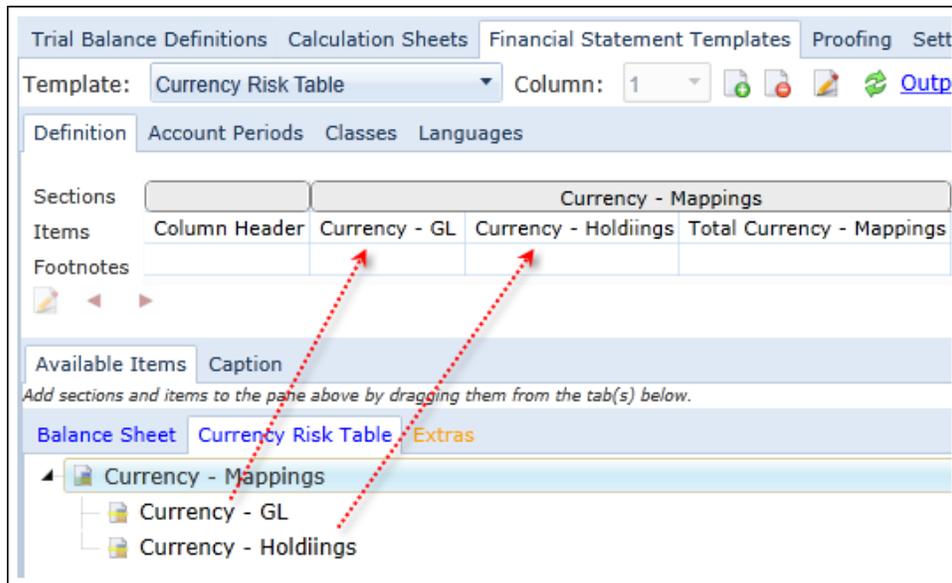
Number Of Columns: 1

Link to a calculation sheet

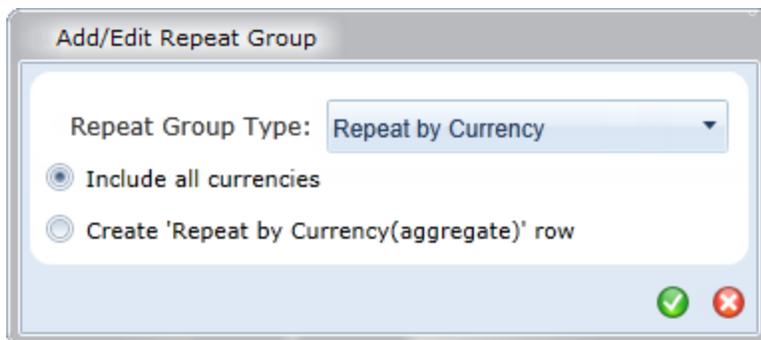
Calculation Sheet:

* Required

- b. Add currency-type items to the template structure.
 - i. Select the newly-created calculation sheet sub-tab in the **Available Items** tab.
 - ii. Drag-and-drop the desired calculation sheet items to the appropriate cells of the **Items** row in the template structure.



3. Users can create a **Repeat by Currency** repeat group type for currency-level financial statement templates via the **Financial Statement Template Output Settings** page.
 - a. Click the **Add/Edit repeat group** button  beneath the mapping grid to open the **Add/Edit Repeat Group** dialogue.



- i. Designate *Repeat by Currency* as the *Repeat Group Type* value.
- ii. Specify which currencies to include in the repeat group.
 - A. Select the *Include all currencies* option button to display all currencies in the calculation sheet in the currency risk table.

- B. Select the **Create "Repeat by Currency (aggregate)" row** option button to specify that currencies be included either on a "Top 'N'" or percentage basis.

Add/Edit Repeat Group

Repeat Group Type: Repeat by Currency ▼

Include all currencies
 Create 'Repeat by Currency(aggregate)' row
 Display only the Top 'N'

Top: 5 units

Based on:

Type: ▼

Calculation Sheet: ▼

Element: ▼

Display if greater than X%

If the value

Type: ▼

Calculation Sheet: ▼

Element: ▼

for any currency is greater than 2.00 units % of

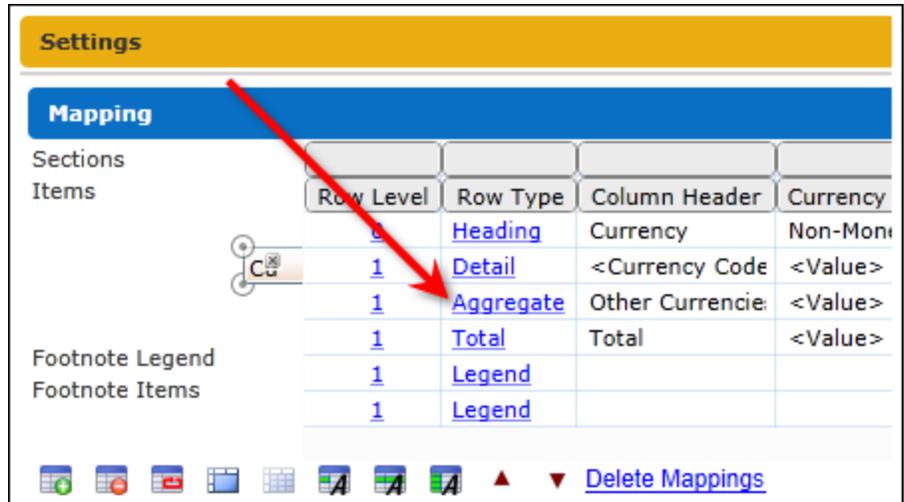
Type: ▼

Calculation Sheet: ▼

Element: ▼

✓ ✗

1. Select the **Display only the Top "N"** option button to display only a specified number of the top currencies in the currency risk table. A new **Aggregate** row will be added to the mapping grid which represents all the currencies that do not meet the defined criteria.



- a. Use the **Top** spinner control to display the top 1 to 100 currencies in the table.
- b. Specify the criteria on which to base the selection:
 - i. Select either **Calculation Sheet** or **Trial Balance Definition** as the element's **Type**.
 - ii. Specify the calculation sheet or trial balance in which the element resides.
 - iii. Specify the calculation sheet or trial balance **Element** that represents the denominator on which the Top "N" is based.

2. Select the **Display if greater than X%** option button to show only the currencies greater than a certain percentage (0% to 100%) in the currency risk table.

Display if greater than X%

If the value

Type: Calculation Sheet

Calculation Sheet: Currency Risk Table

Element: Currency - Mappings Total

for any currency is greater than % of

Type: Calculation Sheet

Calculation Sheet: Currency Risk Table

Element: Currency - Mappings Total

- a. Specify the criteria for the numerator.
 - i. The value selected here looks at each individual currency when doing the calculation.
 - b. Specify the criteria for the denominator.
 - i. The value selected here looks at the **None/All** value when doing the calculation.
- b. After repeat group setup is complete, preview the statement via the **Financials** tab of the **Financial Workbook** page.
- i. Select the statement representing the currency risk table from the **Statement** drop-down list.

Example:

Below is a currency risk table grouped by only the top 5 currencies. All other currencies are aggregated in the **Other Currencies** row.

Trial Balance Fund Data Points Class Balances Supplemental Data Calculation Sheets Financials			
Project: UAT 2 Template		Language: English (U.S.)	
Currency	Non-Monetary Assests - GBP	Investments - GBP	Total
CAD	12,749	8,559,484	8,572,233
EUR	13,508	34,142,911	34,156,419
HKD	33,947	12,941,664	12,975,611
JPY	11,233	10,682,528	10,693,761
USD	4,873,835	85,478,468	90,352,303
Other Currencies	295,560	12,480,749	12,776,309
Total	5,240,832	164,285,804	169,526,636

Note:

The currencies display in ascending order, based on the currency code.

Process Changes

No changes to current processes are required.



Closed Defects

The following issues have been addressed in this release of FundSuiteArc products.

Product	Module / Location	Description
ArcReporting	Financial Workbook page	Updated financial workbook access logic to ensure that users can only see workbooks associated with complexes to which they have access.
ArcReporting	Portfolio Statement Footnote Legend	Modified the behavior of the portfolio statement footnote legend to display footnotes only if they are a) attached to a field with a corresponding portfolio statement template output setting, and b) attached a fund holding that displays in statement preview/output.
ArcReporting	Financial Statement Template	Captioning logic was modified when repeating Sections or Items by class such that the class value displayed is used to determine the caption, instead of the None/All value. This allows each class to potentially display a distinct caption per class, rather than the same caption for all classes.
ArcReporting	Financial Statement Preview/Output	Horizontal totaling functionality was updated to correct an issue introduced in FundSuiteArc version 1.8.2 that caused values to return 0 in certain situations.
ArcReporting	Financial Statement Preview/Output	Column header captioning logic was updated to ensure that the specified Inception column header caption displays in statement preview and output when appropriate.
ArcReporting	Project - Text	Corrected text snippet roll-forward logic to ensure that snippets roll forward to the current period when set as Copy From Library in the project template.
ArcReporting	Financial Workbook page, "Proofing" tab	Corrected a user interface issue to ensure that the proper proofs display under the respective group headings.
ArcReporting	PDF output	Updated content processing logic to prevent certain symbols from displaying as ? in project output.

Product	Module / Location	Description
ArcReporting	Financial Workbook Template	Corrected an issue that prevented users from dragging/dropping currency calculation sheet items from one calculation sheet to another.
ArcReporting/ArcFiling	Holdings Dataload/Data Import	Several items in this area were addressed: <ul style="list-style-type: none"> ▪ Issuer and Demand Feature Issuer not being added/assigned. ▪ Security balance fields defects when appending and having multiple complexes in a single file. ▪ Loading holdings with new currency codes. ▪ Unexpected category overwrite settings behavior.



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