



# FundSuiteArc Version 2.7.0 Release Notes

ArcFiling 2.7.0

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**Donnelley**  
Financial Solutions

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# Release Notes Preface

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

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



# Enhancements Requiring Immediate User Action

1. Users must migrate their existing user accounts prior to logging into version 2.7.0 of FundSuiteArc. See the ***Single Sign-on: Changes to user login, self-password reset and e-mailing service*** section of this document for more information.
2. Beginning in FundSuiteArc version 2.7.0, files of type ***.xls*** are no longer supported when performing Holdings data imports, therefore users should ensure they are using the supported file type of ***.xlsx*** when performing this action. For versions 2.6.0 and prior, files of type ***.xls*** are supported for Holdings data imports.





# Enhancements Requiring User Decisions

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





# Important Notes

1. On February 13, 2017, the SEC released Draft N-MFP2 XML Technical Specification version 2.0, effective March 13, 2017. FundSuiteArc was enhanced to accommodate the changes made within the latest version of the specification. The NMFP-2 schema will be updated to allow for multiple instances of the *moneyMarketFundCategory* N-MFP2 XML element. See the ***NMFP-2: <moneyMarketFundCategory> changes to accommodate multiple responses*** section of this document for more information.
2. Users that wish to log into databases that are at version 2.7.0 must navigate to a new URL (<https://sso.fundsuitearc.com>). This change was implemented to support Single Sign-on functionality across the FundSuiteArc range of products. See the ***Single Sign-on: Changes to user login, self-password reset and e-mailing service*** section of this document for more information.
3. FundSuiteArc version 2.7.0 will be the last version that will support Internet Explorer 9. All future product releases will be designed to work with Internet Explorer version 10 and greater.
4. As of June 10, 2017, when a user selects the fund picker at upper-left of the application window, he or she will see all account periods contained in the database, in the format of his or her workstation



settings. This change was implemented to improve the response time of the drop-down list and give a better overall user experience. See the ***Fund picker enhancements*** section of this document for more information.



# 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. Single Sign-on: Changes to user login, self-password reset and e-mailing service

Single Sign-on (SSO) is a session and user authentication service that permits a user to use one set of login credentials (e.g., e-mail and password) to access multiple applications. The service authenticates the end user for all the applications to which he or she has been given access and eliminates further prompts when the user switches applications during the same session.

Single Sign-on allows for FundSuiteArc clients to continue to have their user profiles managed by Donnelley Financial Solutions, which is the current practice, or to have their user profiles governed by their internal network team. When logging into FundSuiteArc version 2.7.0, all users will navigate to a new Single Sign-on enabled URL (<https://sso.fundsuitearc.com>). From here, users will be prompted to self-migrate their existing user profile to a new e-mail based login (<name>@<domain>), which will include a security question/answer.

Going forward, users that can change their own password will do so via a link in a secure message sent to their e-mail account, which will require them to answer their security question correctly.

### 2. Security identifiers moved from Security/Investment Master library to Security Libraries

In previous versions of FundSuiteArc, all security identifier information (i.e., *CUSIP*, *SEDOL*, *ISIN*, *Werkpapier*, *Valoren* and *Custom Identifier*) was stored in the global Security/Investment Master library, meaning that any changes to this information impacted all funds within a given environment. Beginning with version 2.7.0, security identifier information is stored at the security library level. The *Master Identifier* value, and a general *Security Caption* will remain the only information stored at the security/investment master library level.

### 3. New holdings fields for Form N-PORT filing

In anticipation of the new Form N-PORT filing, 54 new holdings fields were added to FundSuiteArc.

### 4. Missing Output Settings Report: Additional tabs and information

The Missing Output Settings Report was modified to include a tab showing all the output settings for each template that was included in the report filter.

### 5. Master Identifier search option for Securities Audit Report

The **Securities Audit Report** page was enhanced to include a *Master Identifier* field search option, in addition to the existing *CUSIP* and *All* options. This feature was added for usability purposes, as holdings are

not required to populate the *CUSIP* field, whereas a *Master Identifier* value is required.

6. **Ability to span column header cells in portfolio statement template output settings**

Users can now span cells within column header rows on the **Portfolio Statement Template Output Settings** page.

7. **Ability to associate text libraries with fund groups**

Users can now associate text libraries with a specific fund group.

8. **"Rounded to Zero Negative Display" option for portfolio statement template output settings**

In previous versions of FundSuiteArc, the *Rounded to Zero* setting for numeric values in a portfolio statement was applied to any value that rounded to zero, irrespective of whether the raw value was positive or negative. A new *Rounded to Zero Negative Display* setting allows users to designate a distinct format for negative raw numeric values that round to zero, if desired.

9. **Changes to "(none)" portfolio statement category footing logic**

Portfolio footing logic was updated to accommodate a specific scenario where referenced but unmapped categories caused potential footing inconsistencies, if the categorization was not specifically set via the **Fund Holdings** page.

10. **NMFP-2: <moneyMarketFundCategory> changes to accommodate multiple responses**

On February 13, 2017, the SEC released Draft N-MFP2 XML Technical Specification version 2.0, effective March 13, 2017. FundSuiteArc was enhanced to accommodate the changes made within the latest version of the specification. The NMFP-2 schema will be updated to allow for multiple instances of the *moneyMarketFundCategory* N-MFP2 XML element. Please note that per SEC guidance, the only acceptable combination of multiple-category assignments is *Exempt Government* and *Treasury*.

11. **Fund picker enhancements**

The fund picker control at upper-left of the application window was redesigned to improve performance and give the user a better overall experience.



# Enhancements Common to Multiple Products

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



# 1. Single Sign-on: Changes to user login, self-password reset and e-mailing service

DFS ID: 152634

## Overview

Single Sign-on (SSO) is a session and user authentication service that permits a user to use one set of login credentials (e.g., e-mail and password) to access multiple applications. The service authenticates the end user for all the applications to which he or she has been given access and eliminates further prompts when the user switches applications during the same session.

Single Sign-on allows for FundSuiteArc clients to continue to have their user profiles managed by Donnelley Financial Solutions, which is the current practice, or to have their user profiles governed by their internal network team. When logging into FundSuiteArc version 2.7.0, all users will navigate to a new Single Sign-on enabled URL (<https://sso.fundsuitearc.com>). From here, users will be prompted to self-migrate their existing user profile to a new e-mail based login (<name>@<domain>), which will include a security question/answer.

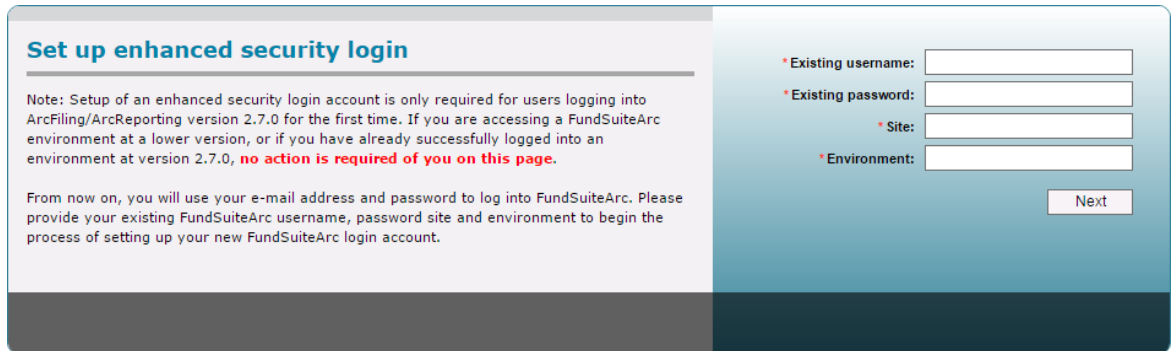
Going forward, users that can change their own password will do so via a link in a secure message sent to their e-mail account, which will require them to answer their security question correctly.

## What's New

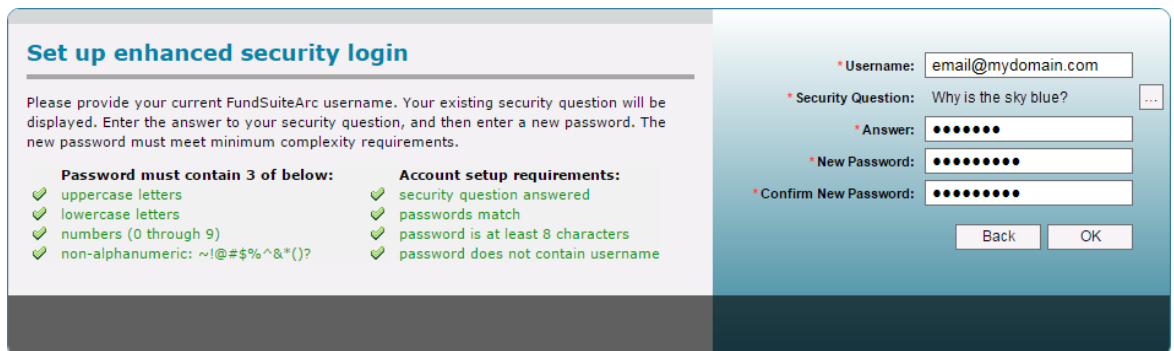
- Users that wish to log into FundSuiteArc version 2.7.0 will now navigate to <https://sso.fundsuitearc.com>.



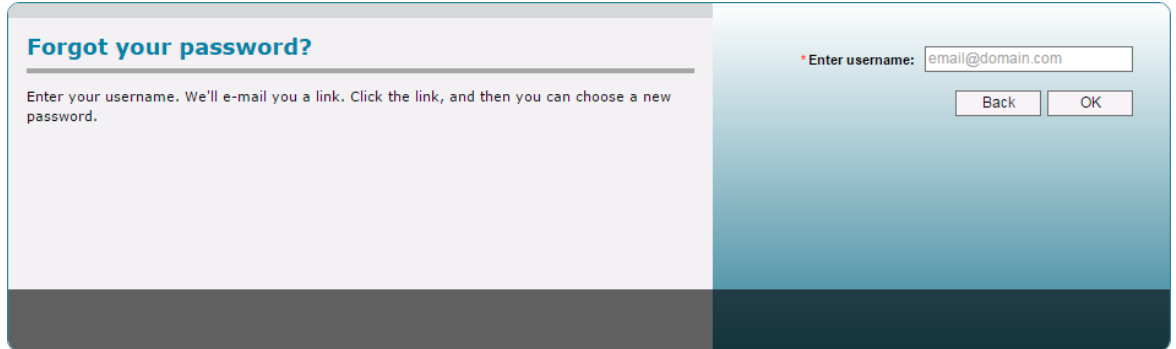
- a. First-time users will click the *Set up enhanced security login* link at right of the page to go through the user profile self-migrate wizard.
- b. Clicking the link will bring the user to a new **Set up enhanced security login** page, where he or she will be prompted for his/her *Existing username*, *Existing password*, *Site* and *Environment* values.



- c. When the user clicks the *Next* button (assuming he/she entered valid details), he or she will be brought to step two of the **Set up enhanced security login** page.



- d. Once all fields on the page have been filled out and match the needed requirements (see example above) the user will be able to click the *OK* button. The user will be informed that his or her FundSuiteArc account has been successfully created and that he or she can now log into FundSuiteArc using the e-mail address and new password provided.
2. A *Forgot your password?* link was added to the <https://sso.fundsuitearc.com> login page.
    - a. When a user needs to reset his or her password (for example, if he/she forgot it), he or she can click the *Forgot your password?* link to initiate the password reset process.



- b. The user enters the username (*i.e.*, e-mail address) associated with his or her FundSuiteArc profile, and then clicks the **OK** button.
  - c. The user will receive an e-mail message with instructions on how to proceed.
3. Users in a DFS-managed SSO domain can now change their password or their security question and/or answer via corresponding menu items on the platform landing page, following login to FundSuiteArc.
- a. *Change Security Question/Answer*
    - i. Clicking the item causes the **Change Security Question/Answer** page to open in a new tab of the current browser window.
  - b. *Change Password*
    - i. Clicking the item causes the **Change Password** page to open in a new tab of the current browser window.
4. Several changes were made to the *Detail* section of the **Users** page to accommodate Single Sign-on functionality.

First Name:	<input type="text" value="Jane"/>	Last Name:	<input type="text" value="Doe"/>
Title:	<input type="text" value="Test Engineer"/>	Email:	<input type="text" value="jdoe@email.com"/>
		Phone Number:	<input type="text" value="5555555555"/>
	<input type="checkbox"/> System Administrator	<input type="checkbox"/> Must Change Password	<input type="checkbox"/> Disable User <input checked="" type="checkbox"/> User from

- a. The **User Name** text box was removed (now obsolete).
- b. The **Email** field is now mandatory; when a new user is created a valid, unique e-mail address must be provided for that user.
- c. A **User from Trusted System** check box was added. This check box is selected when a given user account is governed by the client's own network team.
- d. A welcome e-mail message is sent to a new user upon account creation.
  - i. For users in a DFS-managed SSO domain, the message will contain a link that guides him or her to the **Set Password** page, where he/she can specify an account password and security question/answer; users in a client-managed SSO domain will establish account security questions, etc. through their own network team, as required.

### Additional Information

The IP address of the new <https://sso.fundsuitearc.com> URL is **162.27.56.208**. Users whose IP address access is restricted must request that **162.27.56.208** be included in their list of trusted sites.

### Process Changes

Users must now log into FundSuiteArc via a new URL (<https://sso.fundsuitearc.com>). Once a given user is logged in, any DFS applications that have his/her user profile (*i.e.*, `<name>@<domain>`) set up will not require that user to log in again during any given session.

Clients can choose to set up trust relationships with DFS to manage their user accounts internally, rather than have those accounts managed through DFS.

**Note:**

All DFS staff will be deemed to be trusted users, whose password will match their corporate e-mail login.

 [Demonstration video](#)

## 2. Security identifiers moved from Security/Investment Master library to Security Libraries

*DFS ID: 147441*

### Overview

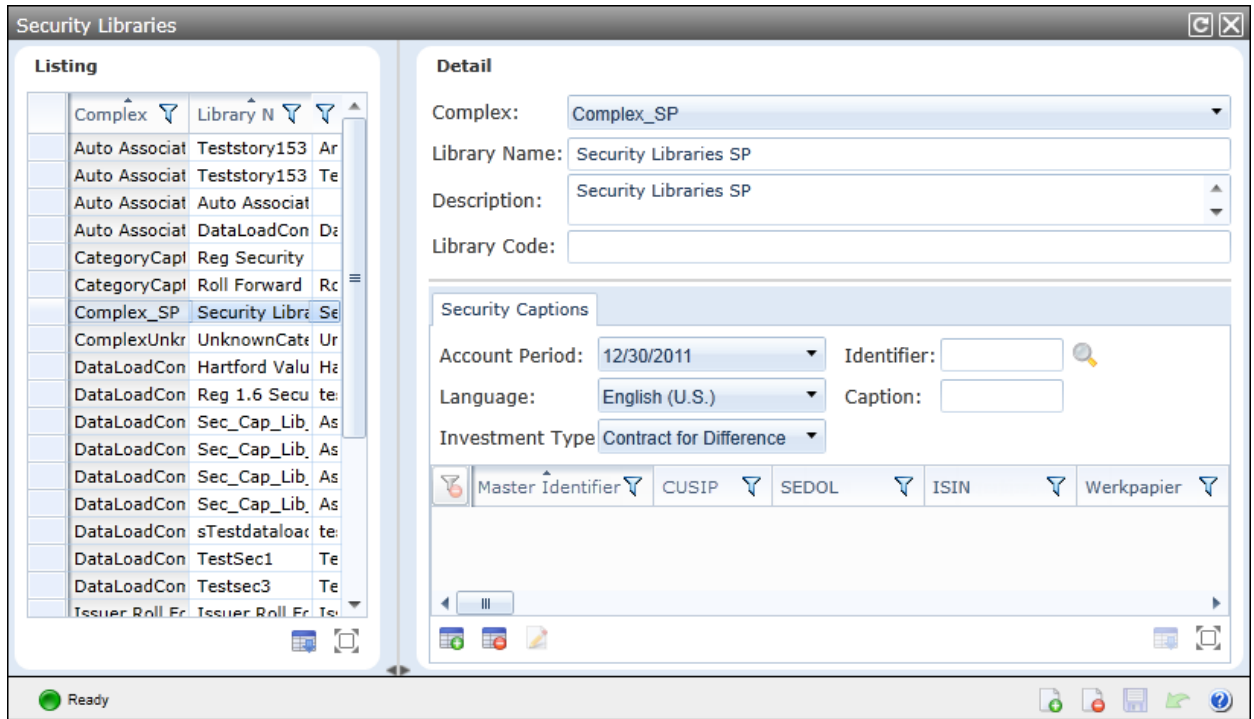
In previous versions of FundSuiteArc, all security identifier information (*i.e.*, *CUSIP*, *SEDOL*, *ISIN*, *Werkpapier*, *Valoren* and *Custom Identifier*) was stored in the global Security/Investment Master library, meaning that any changes to this information impacted all funds within a given environment. Beginning with version 2.7.0, security identifier information is stored at the security library level. The *Master Identifier* value, and a general *Security Caption* will remain the only information stored at the security/investment master library level.

### What's New

The following areas of FundSuiteArc were updated in conjunction with the movement of security identifier information from the security/investment master library level to the security library level:



1. **Security Libraries** page, *Security Captions* tab



- a. The *CUSIP*, *SEDOL*, *ISIN*, *Werkpapier*, *Valoren* and *Custom Identifier* columns were made editable.
  - b. The *Master Identifier* column was moved to the leftmost position in the grid.
2. **Security Libraries** page, *Security Captions* tab, **Add/Edit Security Caption** dialogue
- a. The *CUSIP* read-only field was replaced with a *Master Identifier* field.
  - b. The *CUSIP*, *Custom Identifier*, *SEDOL*, *ISIN*, *Werkpapier* and *Valoren* columns were removed from the *Listing* grid.
  - c. The *Identifier* text box logic was updated to search in only the *Master Identifier* field.
3. **Security/Investment Master** page
- a. The *CUSIP*, *Custom Identifier*, *SEDOL*, *ISIN*, *Werkpapier* and *Valoren* columns were removed from the *Listing* grid.
  - b. The *CUSIP*, *Custom Identifier*, *SEDOL*, *ISIN*, *Werkpapier* and *Valoren* text boxes were removed from the *Identifiers* section.

4. **Fund Holdings** page, *Holdings* tab
  - a. The *CUSIP*, *Custom Identifier*, *SEDOL*, *ISIN*, *Werkpapier* and *Valoren* columns were removed from the *Listing* grid on the **Search and Select a Security** dialogue.
  - b. The *Identifier* text box logic on the **Search and Select a Security** dialogue was updated to search in only the *Master Identifier* field.
  - c. Logic for the *Item C.3 - CUSIP*, *Item C.5.a - ISIN* and *Item C.5.c - Other Unique Identifier* fields was updated to pull values from the Security Library, and the corresponding grid cells are editable.
5. **Global Holdings Review** page
  - a. Logic for the *CUSIP*, *Custom Identifier*, *SEDOL*, *ISIN*, *Werkpapier* and *Valoren* fields was updated to pull values from the Security Library, and the corresponding grid cells are editable.
6. **Holdings Load Profiles** page and **Holdings Import** dialogue
  - a. The *Security/Investment Master Identifiers* check box section was moved from the *Security Balance* tab to the *Security Captions* tab and was renamed to *Security Identifiers*.
7. **Repo Holdings Collateral** page, **Search and Select a Security** dialogue
  - a. The *CUSIP*, *Custom Identifier*, *SEDOL*, *ISIN*, *Werkpapier* and *Valoren* columns were removed from the *Listing* grid.
  - b. The *Identifier* text box logic was updated to search in only the *Master Identifier* field.

#### **Additional Information**

- The Holdings Data Extract export file was updated to match the updated Holdings data import file structure and format.
- The Same Security Prior Period Report was updated to pull *CUSIP*, *Custom Identifier*, *SEDOL*, *ISIN*, *Werkpapier* and *Valoren* values from the Security Library.
- The Securities Audit Report was updated to track changes to *CUSIP*, *Custom Identifier*, *SEDOL*, *ISIN*, *Werkpapier* and *Valoren* values from the Security Library.

#### **Process Changes**

No changes to current processes are required.

### 3. New holdings fields for Form N-PORT filing

*DFS ID: 152627*

#### Overview

In anticipation of the new Form N-PORT filing, 54 new holdings fields were added to FundSuiteArc.

#### What's New

As part of the development for Form N-PORT, 54 new holdings fields were added to FundSuiteArc for use in various areas of the application. Please refer to the **Appendix A: Form N-PORT Holdings Fields** section (page 34), which offers information about each field and the availability of each for use throughout the application.

1. Five of the new Form N-PORT fields are automatically calculated by FundSuiteArc.
  - a. *Change in Unrealized Value (calculated)*
    - i. Calculated as: Ending unrealized value - Beginning unrealized value
  - b. *Net Shares Activity (calculated)*
    - i. Calculated as: Shares - Shares (Prior)
  - c. *Net Shares Sold (calculated)*
    - i. Calculated as: (Shares - Shares (Prior)) + Shares Purchased
  - d. *Net Market Value of Shares Activity*
    - i. Calculated as: (Market Value - Market Value (Prior)) - Income
  - e. *Net Market Value of Shares Sold*
    - i. Calculated as: (Market Value - Market Value (Prior)) - (Income + Market Value of Shares Purchased)

2. Functionality was added to the *Data Import File Structures* topic of the FundSuiteArc online Help system that allows users to include item number information for Form N-MFP and/or Form N-PORT in the field listing for any given FundSuiteArc data import (the topic can be accessed by navigating to **Help Topics > Loading Data > Data Import File Structures** in the Table of Contents of the Help system).

To view an import file structure:

1. Specify the filing form(s) for which you wish to see information, if any (if no check boxes are selected, no filing information will be displayed).

N-MFP    N-PORT

2. Click the link representing the import below.

- a. Two check box options were added to the topic content, for Form N-MFP and Form N-PORT, respectively.
  - i. Selecting a check box will cause filing item number information for the form it represents to be displayed when the link on the page for any given import is clicked.

## Process Changes

No changes to current processes are required.

## 4. Missing Output Settings Report: Additional tabs and information

DFS ID: 100992

### Overview

The Missing Output Settings Report was modified to include a tab showing all the output settings for each template that was included in the report filter.

### What's New

1. The name of the first tab in the report output file was changed from *Sheet1* to *Summary*.
  - a. The contents of this tab still represent an exception-based report, meaning only rows that have no output settings will be shown thereon.
2. After the *Summary* tab, one tab per statement template that was included in the report will be shown.

Line Type	Caption	Column 1	Column 2
ColumnHeader	Column Header	Financial Assets and Liabilities measured at fair value	
ColumnHeader	Column Header	<softreturn><FundName>	
ColumnHeader	Column Header		<Column Header 1>
GroupHeader	Group - Fair Value Type	<Caption>	
CategoryHeader	Security Investment Type	<Caption>	<Market Value Level 1>
Security	Security		
CategoryTotal	Total Security Investment Type		
GroupTotal	Total Group - Fair Value Type	<Caption>	<Market Value Level 1>
TotalInvestments	Total Investments	<Caption>	<Market Value Level 1>

- a. Each tab displays the following data columns:
  - i. *Line Type*
    - A. Displays the statement line type.

- ii. *Caption*
  - A. Displays the name of the line item, as seen on the **Portfolio Statement Template Output Settings** or **Financial Statement Template Output Settings** page.
- iii. *Column 1 - Column <n>*
  - A. One column is displayed for each column defined in the statement template.
  - B. For portfolio statement templates that contain multiple tables, the output file will display columns for largest number of columns across all tables.
  - C. Displays the (unevaluated) data point(s) and/or literal(s) mapped to the column for the statement line item.
  - D. If no items are mapped to the column, the background color of the cell is light red.

## Process Changes

Users can use the modified report to review the output settings of all the templates on their project. This could be used as part of their production review process prior to creating the first draft of the project.



[Demonstration video](#)

## 5. Master Identifier search option for Securities Audit Report

DFS ID: 99559

### Overview

The **Securities Audit Report** page was enhanced to include a *Master Identifier* field search option, in addition to the existing *CUSIP* and *All* options. This feature was added for usability purposes, as holdings are not required to populate the *CUSIP* field, whereas a *Master Identifier* value is required.

### What's New

1. The previously-named *CUSIP* section at upper-right of the **Securities Audit Report** page was renamed *Security Identifier*, given that users can now narrow report results by searching on more than just the *CUSIP* value of a given security.
  - a. The previously-named *Specify* option button and associated text box was renamed *CUSIP*.
  - b. A *Master Identifier* option button and associated text box were added. If the option button is selected, report results are limited to securities whose *Master Identifier* value contains the text string specified by the user.
2. The previously-named *CUSIP* column in the results grid of the **Securities Audit Report** page was renamed *Security Identifiers* to denote that a comma-delimited list of identifier values for a given security are displayed in the column (*i.e.*, *CUSIP*, *Custom Identifier*, *SEDOL*, *ISIN*, *Werkpapier* and *Valoren*); not only the *CUSIP* value.

### Process Changes

Users are now able to search for securities based on the *Master Identifier* value, rather than *CUSIP*, allowing them to search for unique securities.

## 6. Ability to span column header cells in portfolio statement template output settings

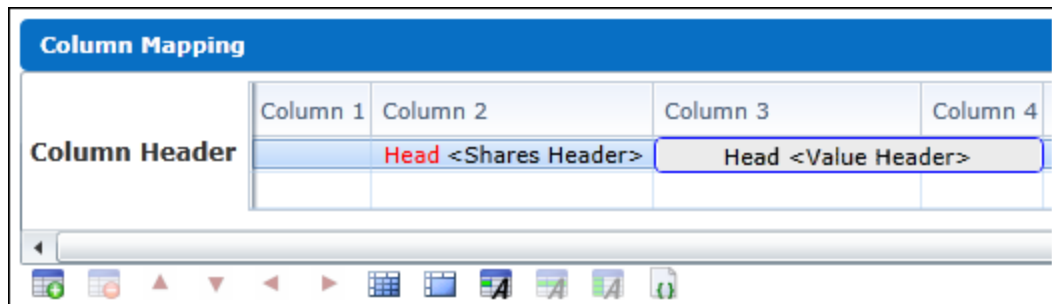
DFS ID: 152440


### Overview

Users can now span cells within column header rows on the **Portfolio Statement Template Output Settings** page.

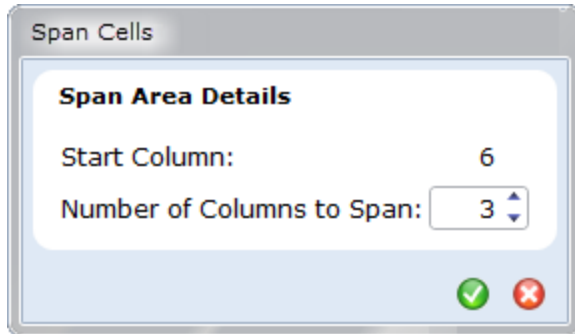
### What's New

Cell spanning functionality in the *Mapping* grid of the **Portfolio Statement Template Output Settings** page is now available for column header rows.



1. Consistent with cell spanning functionality for standard rows in the *Mapping* grid of the **Portfolio Statement Template Output Settings** page, the *Span cells* button (  ) is now enabled when selecting a cell within a row of type *Column Header*.
  - a. Clicking the button causes the **Span Cells** dialogue to display, through which the user can specify the number of columns to span.





2. Selecting any existing spanned set of cells in a column header row causes the *Remove span* button (🗑️) to become enabled.

## Process Changes

For portfolio statement templates that require spanning within the column header, users should use the new inbuilt functionality, rather than having the span be done within the output template.

## 7. Ability to associate text libraries with fund groups





DFS ID: 43969

### Overview

Users can now associate text libraries with a specific fund group.

### What's New

1. A *Fund Group* column was added to the *Listing* grid of the **Text Libraries** page.

	Complex 	Library N 	Description 	Fund Group 
>	American Fu	1 Master Frc	1 Master Front	[All]
	American Fu	2 NTF - Sing	2 NTF - Single	American Funds Insurance Series
	American Fu	3 Master Foc	3 Master Footn	[All]
	American Fu	4 NTF - FOF	4 NTF - FOFs	Target Date Funds
	American Fu	5 NTF - TEX	5 NTF - TEX & I	Tax Exempt Funds MD/VA
	American Fu	6 NTF - AFIS	6 NTF - AFIS &	Tax Exempt Funds

**Note:**

Any pre-existing text libraries will display *[All]* in the new column upon database update to version 2.7.0, given that they are not associated with any specific fund group.

2. A *Fund Group* drop-down list was added to the *Detail* section at right of the **Text Libraries** page, by means of which the user can specify the fund group with which to associate any given text library.

**Detail** [Style Guide](#)

Complex:

Fund Group:

Production Team:

Library Name:

Description:

## Process Changes

No changes to current processes are required.

## 8. "Rounded to Zero Negative Display" option for portfolio statement template output settings

DFS ID: 143168

### Overview

In previous versions of FundSuiteArc, the *Rounded to Zero* setting for numeric values in a portfolio statement was applied to any value that rounded to zero, irrespective of whether the raw value was positive or negative. A new *Rounded to Zero Negative Display* setting allows users to designate a distinct format for negative raw numeric values that round to zero, if desired.

### What's New

1. Settings on the *Format Items* tab of the **Portfolio Statement Template Output Settings** page were updated (for numeric-type items only), as detailed below.
  - a. A *Rounded to Zero Negative Display* drop-down list was added to allow users to designate the format to be used when a negative raw value rounds to zero.
  - b. The existing *Negative Display* drop-down list and associated *Display positive/negative values as negative/positive* check box were moved above the existing *Rounded to Zero Display* drop-down list.
2. The *Rounded to Zero Negative Display* setting designated for any items in a given template will be included in portfolio statement template export/import/copy operations.
3. The Portfolio Statement Template Output Settings Audit Report now supports tracking of the *Rounded to Zero Negative Display* setting.

### Additional Information

Upon database update to version 2.7.0, *Parentheses* will be the default *Rounded to Zero Negative Display* selection specified for any numeric-type items mapped to existing portfolio statement templates.

### Process Changes

The *Rounded to Zero negative Display* should be used, rather than an output rule, for disclosures that require a distinct output format for negative values and positive values that are rounded to zero.



[Demonstration video](#)

## 9. Changes to "(none)" portfolio statement category footing logic

DFS ID: 149785

### Overview

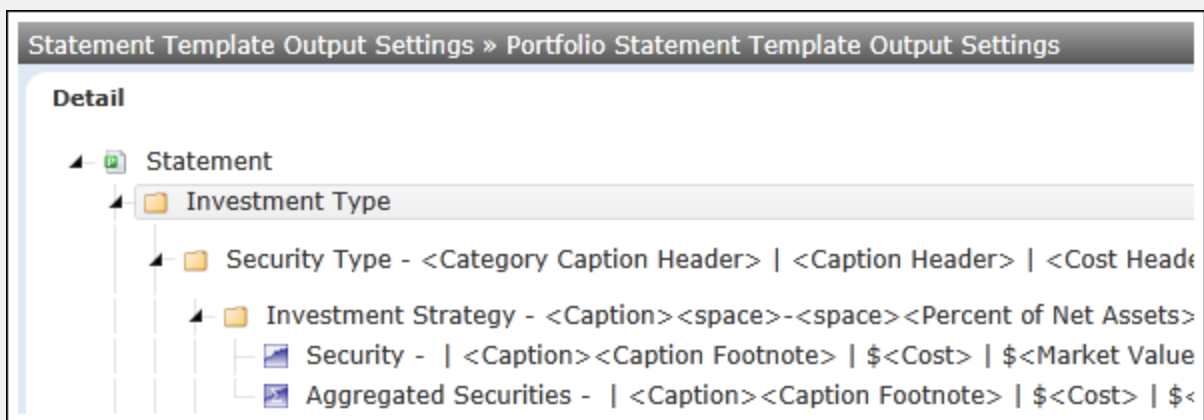
Portfolio footing logic was updated to accommodate a specific scenario where referenced but unmapped categories caused potential footing inconsistencies, if the categorization was not specifically set via the **Fund Holdings** page.

### What's New

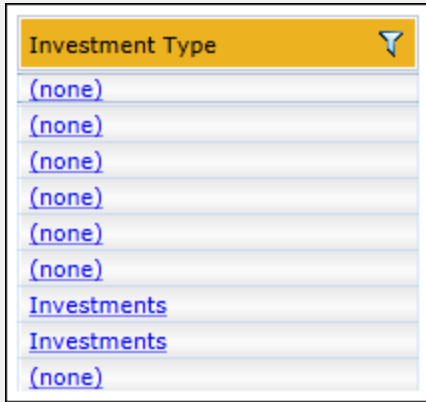
Portfolio statement footing logic was updated to accommodate unpopulated holdings category fields which are referenced, but unmapped within a given statement.

#### Example:

- The *Investment Type* category is referenced but unmapped within the output settings for a given portfolio statement.



- The *Investment Type* column contains unpopulated entries on the *Holdings* tab of the **Fund Holdings** page.



In previous application versions, this setup could potentially result in displayed calculated values that did not foot correctly. In version 2.7.0, calculated displayed values will foot appropriately.

### Process Changes

No changes to current processes are required.

## 10. NMFP-2: <moneyMarketFundCategory> changes to accommodate multiple responses

DFS ID: 170421

### Overview

On February 13, 2017, the SEC released Draft N-MFP2 XML Technical Specification version 2.0, effective March 13, 2017. FundSuiteArc was enhanced to accommodate the changes made within the latest version of the specification. The NMFP-2 schema will be updated to allow for multiple instances of the *moneyMarketFundCategory* N-MFP2 XML element. Please note that per SEC guidance, the only acceptable combination of multiple-category assignments is *Exempt Government* and *Treasury*.

### What's New

The following application updates were made to support the change to the NMFP-2 schema with respect to the *moneyMarketFundCategory* XML element:

1. The *Item A.10 Category* drop-down list on the **Part A: Fund/Class Setup** page was replaced with a set of *Assigned Categories/Available Categories* list boxes to allow for multiple category assignments to any given fund.
  - a. Upon database update to version 2.7.0, the existing category assignment for each fund will display in the new *Assigned Categories* list box of the page.
  - b. After database update to version 2.7.0, users will have the ability to assign additional categories to any given fund by dragging-and-dropping any/all of the categories in the *Available Categories* list box to the *Assigned Categories* list box.
2. The *Category* drop-down list on the *Filings Info* tab of the **Funds** page was replaced with a set of *Assigned Categories/Available Categories* list boxes to allow for multiple category assignments to any given fund.
  - a. Upon database update to version 2.7.0, the existing category assignment for each fund will display in the new *Assigned Categories* list box of the page.



- b. After database update to version 2.7.0, users will have the ability to assign additional categories to any given fund by dragging-and-dropping any/all of the categories in the *Available Categories* list box to the *Assigned Categories* list box.
3. The existing *N-MFP Category* data point will return only the first assigned category for a given fund, as designated via the *Filings Info* tab of the **Funds** page, when mapped via the **Portfolio Statement Template Output Settings**, **Tabular Data Template Output Settings** or **Text Libraries** pages.
4. The *Answer* column for *moneyMarketFundCategory* (Item A.10) on *Sheet1* of the Form N-MFP Review Report is now populated with a comma-delimited list of categories.
5. The *Current Version* and *Prior Version* columns for *moneyMarketFundCategory* (Item A.10) on *Sheet4* of the Form N-MFP Review Report are now each populated with a comma-delimited list of categories.
6. The *NMFPCategory* column was removed from the source file template for the Funds data import.

## Process Changes

No changes to current processes are required.

## 11. Fund picker enhancements

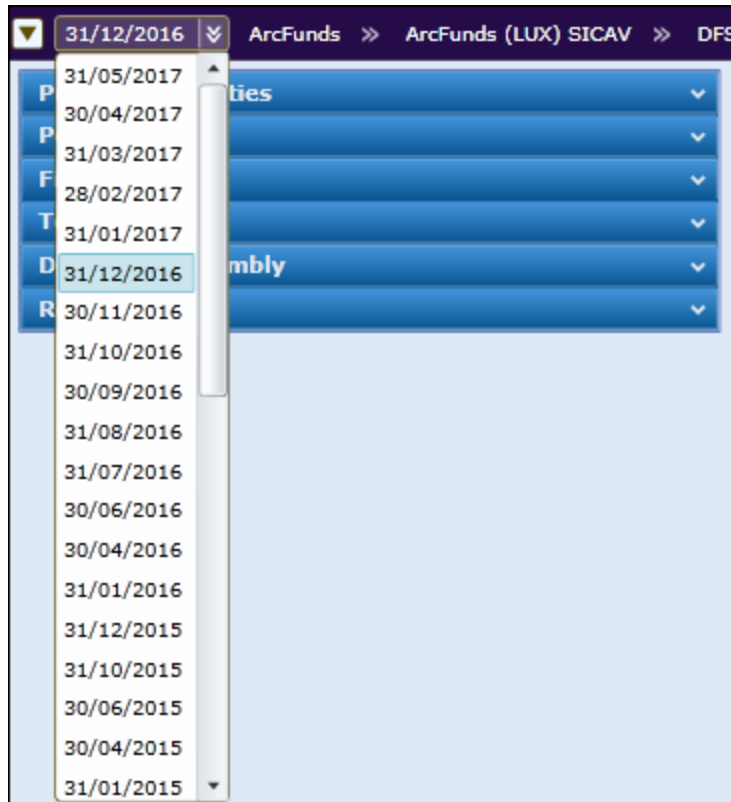
*DFS ID: 177197 (additional enhancement released on June 10<sup>th</sup>)*

### Overview

The fund picker control at upper-left of the application window was redesigned to improve performance and give the user a better overall experience.

### What's New

The behavior of the fund picker control was enhanced to improve performance, as detailed below.



1. The leftmost drop-down list now contains all account periods that are associated with the database in which the user is currently working.

2. This user's local system setting will now define the format of the date in the account period drop-down list.

## **Process Changes**

No changes to current processes are required.



# Appendix A: Form N-PORT Holdings Fields

The following matrix provides information about the new Form N-PORT holdings fields and the availability of each for use throughout FundSuiteArc. If a column is marked *TRUE* for a given field, then the field is available in the designated area of the application; if it is marked as *FALSE*, then the field is not available in that area.

	General Information		
New Field Name	Data Type	Length	UI "clean" Name (all application pages)
CaptionCustomSort	NVARCHAR	1024	Caption - Custom Sort
ConvertibleContingent	BIT		Convertible Contingent
ConvertibleMandatory	BIT		Convertible Mandatory
CouponType	NVARCHAR	30	Coupon Type
InterestOrCouponDeferred	BIT		Interest or Coupon Deferred
InterestPaidInKind	BIT		Interest Paid In-Kind
ReferenceInstrumentDescription	NVARCHAR	1000	Reference Instrument Description
Ticker	NVARCHAR	30	Ticker
AccruedDiscountsPremiums	DECIMAL	28, 6	Accrued Discounts/Premiums
CapitalGainDistributions	DECIMAL	28, 6	Capital Gain Distributions
CashCollateralSecurity	BIT		Cash Collateral Security
CashCollateralSecurityValue	DECIMAL	28, 6	Cash Collateral Security Value
CentralCounterparty	NVARCHAR	100	Central Counterparty
ChangeInUnrealizedValue	DECIMAL	28, 6	Change in Unrealized Value
ClearedByCentralCounterparty	BIT		Cleared by Central Counterparty
CommittedCapital	DECIMAL	28, 6	Committed Capital
ConversionRatio	DECIMAL	28, 6	Conversion Ratio
CounterpartyLEI	NVARCHAR	20	Counterparty LEI
CumulativeContributedCapital	DECIMAL	28, 6	Cumulative Contributed Capital
CurrencyDescriptionBought	DECIMAL	28, 6	Currency Description Bought
CurrencyDescriptionSold	DECIMAL	28, 6	Currency Description Sold
Delta	DECIMAL	28, 6	Delta
ExercisePrice	DECIMAL	28, 6	Exercise Price
DividendsAffiliatedIssuers	DECIMAL	28, 6	Dividends - Affiliated Issuers
Gamma	DECIMAL	28, 6	Gamma
Income	DECIMAL	28, 6	Income
LiquidityClassification	NVARCHAR	1000	Liquidity Classification
MarketValueofSharesPurchased	DECIMAL	28, 6	Market Value of Shares Purchased
MarketValueofSharesSold	DECIMAL	28, 6	Market Value of Shares Sold
NonCashCollateralSecurity	BIT		Non-Cash Collateral Security
NonCashCollateralSecurityValue	DECIMAL	28, 6	Non-Cash Collateral Security Value
NumberOfContracts	DECIMAL	28, 6	Number of Contracts
NPORTBalance	NVARCHAR	50	N-PORT Balance
OptionWarrantType	NVARCHAR	30	Option/Warrant Type
PayoffProfile	NVARCHAR	30	Payoff Profile
RealizedValue	DECIMAL	28, 6	Realized Value
RemainingCommitment	DECIMAL	28, 6	Remaining Commitment
RepurchaseRate	DECIMAL	28, 6	Repurchase Rate
SettlementDate	DATETIME		Settlement Date
SharesPurchased	DECIMAL	28, 6	Shares Purchased
SharesSold	DECIMAL	28, 6	Shares Sold
SwapDescription	NVARCHAR	1000	Swap Description
SwapDescriptionPaymentsPaid	NVARCHAR	1000	Swap Description Payments Paid
SwapDescriptionPaymentsReceived	NVARCHAR	1000	Swap Description Payments Received
TotalDistributions	DECIMAL	28, 6	Total Distributions
TriParty	BIT		Tri-Party
UnrealizedAppreciationDepreciation	DECIMAL	28, 6	Unrealized Appreciation/Depreciation
UpfrontPaymentsReceipts	DECIMAL	28, 6	Upfront Payments/Receipts
Vega	DECIMAL	28, 6	Vega
ChangeInUnrealizedValueCalculated	(calculated)	28, 6	Change in Unrealized Value (calculated)
NetSharesActivityCalculated	(calculated)	28, 6	Net Shares Activity (calculated)
NetSharesSoldCalculated	(calculated)	28, 6	Net Shares Sold (calculated)
NetMarketValueOfSharesActivityCalculated	(calculated)	28, 6	Net Market Value of Shares Activity (calculated)
NetMarketValueOfSharesSoldCalculated	(calculated)	28, 6	Net Market Value of Shares Sold (calculated)

New Field Name	Holdings Data Import (xlsx) / Holdings Load Profiles (txt)			Securities Audit Report
	Loadable	Overwrite Options	Tab Placement	
CaptionCustomSort	TRUE	TRUE	Security Captions	TRUE
ConvertibleContingent	TRUE	TRUE	Security Captions	TRUE
ConvertibleMandatory	TRUE	TRUE	Security Captions	TRUE
CouponType	TRUE	TRUE	Security Captions	TRUE
InterestOrCouponDeferred	TRUE	TRUE	Security Captions	TRUE
InterestPaidInKind	TRUE	TRUE	Security Captions	TRUE
ReferenceInstrumentDescription	TRUE	TRUE	Security Captions	TRUE
Ticker	TRUE	TRUE	Security Captions	TRUE
AccruedDiscountsPremiums	TRUE	TRUE	Security Balance	TRUE
CapitalGainDistributions	TRUE	TRUE	Security Balance	TRUE
CashCollateralSecurity	TRUE	TRUE	Security Balance	TRUE
CashCollateralSecurityValue	TRUE	TRUE	Security Balance	TRUE
CentralCounterparty	TRUE	TRUE	Security Balance	TRUE
ChangeInUnrealizedValue	TRUE	TRUE	Security Balance	TRUE
ClearedByCentralCounterparty	TRUE	TRUE	Security Balance	TRUE
CommittedCapital	TRUE	TRUE	Security Balance	TRUE
ConversionRatio	TRUE	TRUE	Security Balance	TRUE
CounterpartyLEI	TRUE	TRUE	Security Balance	TRUE
CumulativeContributedCapital	TRUE	TRUE	Security Balance	TRUE
CurrencyDescriptionBought	TRUE	TRUE	Security Balance	TRUE
CurrencyDescriptionSold	TRUE	TRUE	Security Balance	TRUE
Delta	TRUE	TRUE	Security Balance	TRUE
ExercisePrice	TRUE	TRUE	Security Balance	TRUE
DividendsAffiliatedIssuers	TRUE	TRUE	Security Balance	TRUE
Gamma	TRUE	TRUE	Security Balance	TRUE
Income	TRUE	TRUE	Security Balance	TRUE
LiquidityClassification	TRUE	TRUE	Security Balance	TRUE
MarketValueOfSharesPurchased	TRUE	TRUE	Security Balance	TRUE
MarketValueOfSharesSold	TRUE	TRUE	Security Balance	TRUE
NonCashCollateralSecurity	TRUE	TRUE	Security Balance	TRUE
NonCashCollateralSecurityValue	TRUE	TRUE	Security Balance	TRUE
NumberOfContracts	TRUE	TRUE	Security Balance	TRUE
NPORTBalance	TRUE	TRUE	Security Balance	TRUE
OptionWarrantType	TRUE	TRUE	Security Balance	TRUE
PayoffProfile	TRUE	TRUE	Security Balance	TRUE
RealizedValue	TRUE	TRUE	Security Balance	TRUE
RemainingCommitment	TRUE	TRUE	Security Balance	TRUE
RepurchaseRate	TRUE	TRUE	Security Balance	TRUE
SettlementDate	TRUE	TRUE	Security Balance	TRUE
SharesPurchased	TRUE	TRUE	Security Balance	TRUE
SharesSold	TRUE	TRUE	Security Balance	TRUE
SwapDescription	TRUE	TRUE	Security Balance	TRUE
SwapDescriptionPaymentsPaid	TRUE	TRUE	Security Balance	TRUE
SwapDescriptionPaymentsReceived	TRUE	TRUE	Security Balance	TRUE
TotalDistributions	TRUE	TRUE	Security Balance	TRUE
TriParty	TRUE	TRUE	Security Balance	TRUE
UnrealizedAppreciationDepreciation	TRUE	TRUE	Security Balance	TRUE
UpfrontPaymentsReceipts	TRUE	TRUE	Security Balance	TRUE
Vega	TRUE	TRUE	Security Balance	TRUE
ChangeInUnrealizedValueCalculated	FALSE	FALSE	N/A	FALSE
NetSharesActivityCalculated	FALSE	FALSE	N/A	FALSE
NetSharesSoldCalculated	FALSE	FALSE	N/A	FALSE
NetMarketValueOfSharesActivityCalculated	FALSE	FALSE	N/A	FALSE
NetMarketValueOfSharesSoldCalculated	FALSE	FALSE	N/A	FALSE

New Field Name	Fund Holdings page		Database Table		Global Holdings Review
	Holdings tab	Abbreviations tab > Found in Field	Security Library	Security Balance	
CaptionCustomSort	TRUE	FALSE	TRUE	FALSE	TRUE
ConvertibleContingent	TRUE	FALSE	TRUE	FALSE	TRUE
ConvertibleMandatory	TRUE	FALSE	TRUE	FALSE	TRUE
CouponType	TRUE	FALSE	TRUE	FALSE	TRUE
InterestOrCouponDeferred	TRUE	FALSE	TRUE	FALSE	TRUE
InterestPaidInKind	TRUE	FALSE	TRUE	FALSE	TRUE
ReferenceInstrumentDescription	TRUE	FALSE	TRUE	FALSE	TRUE
Ticker	TRUE	FALSE	TRUE	FALSE	TRUE
AccruedDiscountsPremiums	TRUE	FALSE	FALSE	TRUE	TRUE
CapitalGainDistributions	TRUE	FALSE	FALSE	TRUE	TRUE
CashCollateralSecurity	TRUE	FALSE	FALSE	TRUE	TRUE
CashCollateralSecurityValue	TRUE	FALSE	FALSE	TRUE	TRUE
CentralCounterparty	TRUE	FALSE	FALSE	TRUE	TRUE
ChangeInUnrealizedValue	TRUE	FALSE	FALSE	TRUE	TRUE
ClearedByCentralCounterparty	TRUE	FALSE	FALSE	TRUE	TRUE
CommittedCapital	TRUE	FALSE	FALSE	TRUE	TRUE
ConversionRatio	TRUE	FALSE	FALSE	TRUE	TRUE
CounterpartyLEI	TRUE	FALSE	FALSE	TRUE	TRUE
CumulativeContributedCapital	TRUE	FALSE	FALSE	TRUE	TRUE
CurrencyDescriptionBought	TRUE	FALSE	FALSE	TRUE	TRUE
CurrencyDescriptionSold	TRUE	FALSE	FALSE	TRUE	TRUE
Delta	TRUE	FALSE	FALSE	TRUE	TRUE
ExercisePrice	TRUE	FALSE	FALSE	TRUE	TRUE
DividendsAffiliatedIssuers	TRUE	FALSE	FALSE	TRUE	TRUE
Gamma	TRUE	FALSE	FALSE	TRUE	TRUE
Income	TRUE	FALSE	FALSE	TRUE	TRUE
LiquidityClassification	TRUE	FALSE	FALSE	TRUE	TRUE
MarketValueOfSharesPurchased	TRUE	FALSE	FALSE	TRUE	TRUE
MarketValueOfSharesSold	TRUE	FALSE	FALSE	TRUE	TRUE
NonCashCollateralSecurity	TRUE	FALSE	FALSE	TRUE	TRUE
NonCashCollateralSecurityValue	TRUE	FALSE	FALSE	TRUE	TRUE
NumberOfContracts	TRUE	FALSE	FALSE	TRUE	TRUE
NPORTBalance	TRUE	FALSE	FALSE	TRUE	TRUE
OptionWarrantType	TRUE	FALSE	FALSE	TRUE	TRUE
PayoffProfile	TRUE	FALSE	FALSE	TRUE	TRUE
RealizedValue	TRUE	FALSE	FALSE	TRUE	TRUE
RemainingCommitment	TRUE	FALSE	FALSE	TRUE	TRUE
RepurchaseRate	TRUE	FALSE	FALSE	TRUE	TRUE
SettlementDate	TRUE	FALSE	FALSE	TRUE	TRUE
SharesPurchased	TRUE	FALSE	FALSE	TRUE	TRUE
SharesSold	TRUE	FALSE	FALSE	TRUE	TRUE
SwapDescription	TRUE	FALSE	FALSE	TRUE	TRUE
SwapDescriptionPaymentsPaid	TRUE	FALSE	FALSE	TRUE	TRUE
SwapDescriptionPaymentsReceived	TRUE	FALSE	FALSE	TRUE	TRUE
TotalDistributions	TRUE	FALSE	FALSE	TRUE	TRUE
TriParty	TRUE	FALSE	FALSE	TRUE	TRUE
UnrealizedAppreciationDepreciation	TRUE	FALSE	FALSE	TRUE	TRUE
UpfrontPaymentsReceipts	TRUE	FALSE	FALSE	TRUE	TRUE
Vega	TRUE	FALSE	FALSE	TRUE	TRUE
ChangeInUnrealizedValueCalculated	TRUE	FALSE	FALSE	TRUE	FALSE
NetSharesActivityCalculated	TRUE	FALSE	FALSE	TRUE	FALSE
NetSharesSoldCalculated	TRUE	FALSE	FALSE	TRUE	FALSE
NetMarketValueOfSharesActivityCalculated	TRUE	FALSE	FALSE	TRUE	FALSE
NetMarketValueOfSharesSoldCalculated	TRUE	FALSE	FALSE	TRUE	FALSE

New Field Name	Holdings Data Extract	Footnote Libraries - Holdings page			Footnote Preview and Assignment page
		Insert Data Point > Type (Fund Holdings) > Field	Details > Conditional Value > Add/Edit Conditional Formula Element > If (Security) > Add/Edit Data Point > Field	Details > Link footnote to fund holdings > Linked Field & Apply To	Assign Footnote(s) > Apply To
CaptionCustomSort	TRUE	FALSE	FALSE	FALSE	FALSE
ConvertibleContingent	TRUE	FALSE	FALSE	FALSE	FALSE
ConvertibleMandatory	TRUE	FALSE	FALSE	FALSE	FALSE
CouponType	TRUE	FALSE	FALSE	FALSE	FALSE
InterestOrCouponDeferred	TRUE	FALSE	FALSE	FALSE	FALSE
InterestPaidInKind	TRUE	FALSE	FALSE	FALSE	FALSE
ReferenceInstrumentDescription	TRUE	FALSE	FALSE	FALSE	FALSE
Ticker	TRUE	FALSE	FALSE	FALSE	FALSE
AccruedDiscountsPremiums	TRUE	FALSE	FALSE	FALSE	FALSE
CapitalGainDistributions	TRUE	FALSE	FALSE	FALSE	FALSE
CashCollateralSecurity	TRUE	FALSE	FALSE	FALSE	FALSE
CashCollateralSecurityValue	TRUE	FALSE	FALSE	FALSE	FALSE
CentralCounterparty	TRUE	FALSE	FALSE	FALSE	FALSE
ChangeInUnrealizedValue	TRUE	FALSE	FALSE	FALSE	FALSE
ClearedByCentralCounterparty	TRUE	FALSE	FALSE	FALSE	FALSE
CommittedCapital	TRUE	FALSE	FALSE	FALSE	FALSE
ConversionRatio	TRUE	FALSE	FALSE	FALSE	FALSE
CounterpartyLEI	TRUE	FALSE	FALSE	FALSE	FALSE
CumulativeContributedCapital	TRUE	FALSE	FALSE	FALSE	FALSE
CurrencyDescriptionBought	TRUE	FALSE	FALSE	FALSE	FALSE
CurrencyDescriptionSold	TRUE	FALSE	FALSE	FALSE	FALSE
Delta	TRUE	FALSE	FALSE	FALSE	FALSE
ExercisePrice	TRUE	FALSE	FALSE	FALSE	FALSE
DividendsAffiliatedIssuers	TRUE	FALSE	FALSE	FALSE	FALSE
Gamma	TRUE	FALSE	FALSE	FALSE	FALSE
Income	TRUE	FALSE	FALSE	FALSE	FALSE
LiquidityClassification	TRUE	FALSE	FALSE	FALSE	FALSE
MarketValueOfSharesPurchased	TRUE	FALSE	FALSE	FALSE	FALSE
MarketValueOfSharesSold	TRUE	FALSE	FALSE	FALSE	FALSE
NonCashCollateralSecurity	TRUE	FALSE	FALSE	FALSE	FALSE
NonCashCollateralSecurityValue	TRUE	FALSE	FALSE	FALSE	FALSE
NumberOfContracts	TRUE	FALSE	FALSE	FALSE	FALSE
NPORTBalance	TRUE	FALSE	FALSE	FALSE	FALSE
OptionWarrantType	TRUE	FALSE	FALSE	FALSE	FALSE
PayoffProfile	TRUE	FALSE	FALSE	FALSE	FALSE
RealizedValue	TRUE	FALSE	FALSE	FALSE	FALSE
RemainingCommitment	TRUE	FALSE	FALSE	FALSE	FALSE
RepurchaseRate	TRUE	FALSE	FALSE	FALSE	FALSE
SettlementDate	TRUE	FALSE	FALSE	FALSE	FALSE
SharesPurchased	TRUE	FALSE	FALSE	FALSE	FALSE
SharesSold	TRUE	FALSE	FALSE	FALSE	FALSE
SwapDescription	TRUE	FALSE	FALSE	FALSE	FALSE
SwapDescriptionPaymentsPaid	TRUE	FALSE	FALSE	FALSE	FALSE
SwapDescriptionPaymentsReceived	TRUE	FALSE	FALSE	FALSE	FALSE
TotalDistributions	TRUE	FALSE	FALSE	FALSE	FALSE
TriParty	TRUE	FALSE	FALSE	FALSE	FALSE
UnrealizedAppreciationDepreciation	TRUE	FALSE	FALSE	FALSE	FALSE
UpfrontPaymentsReceipts	TRUE	FALSE	FALSE	FALSE	FALSE
Vega	TRUE	FALSE	FALSE	FALSE	FALSE
ChangeInUnrealizedValueCalculated	FALSE	FALSE	FALSE	FALSE	FALSE
NetSharesActivityCalculated	FALSE	FALSE	FALSE	FALSE	FALSE
NetSharesSoldCalculated	FALSE	FALSE	FALSE	FALSE	FALSE
NetMarketValueOfSharesActivityCalculated	FALSE	FALSE	FALSE	FALSE	FALSE
NetMarketValueOfSharesSoldCalculated	FALSE	FALSE	FALSE	FALSE	FALSE



	Portfolio Statement Templates page				
New Field Name	Aggregate tab	Calculations tab	Filter tab	Sorting tab	Stack tab
CaptionCustomSort	TRUE	FALSE	TRUE	TRUE	TRUE
ConvertibleContingent	TRUE	FALSE	TRUE	TRUE	TRUE
ConvertibleMandatory	TRUE	FALSE	TRUE	TRUE	TRUE
CouponType	TRUE	FALSE	TRUE	TRUE	TRUE
InterestOrCouponDeferred	TRUE	FALSE	TRUE	TRUE	TRUE
InterestPaidInKind	TRUE	FALSE	TRUE	TRUE	TRUE
ReferenceInstrumentDescription	TRUE	FALSE	TRUE	TRUE	TRUE
Ticker	TRUE	FALSE	TRUE	TRUE	TRUE
AccruedDiscountsPremiums	FALSE	TRUE	FALSE	TRUE	FALSE
CapitalGainDistributions	FALSE	TRUE	FALSE	TRUE	FALSE
CashCollateralSecurity	TRUE	FALSE	TRUE	TRUE	TRUE
CashCollateralSecurityValue	FALSE	TRUE	FALSE	TRUE	FALSE
CentralCounterparty	TRUE	FALSE	TRUE	TRUE	TRUE
ChangeInUnrealizedValue	FALSE	TRUE	FALSE	TRUE	FALSE
ClearedByCentralCounterparty	TRUE	FALSE	TRUE	TRUE	TRUE
CommittedCapital	FALSE	TRUE	FALSE	TRUE	FALSE
ConversionRatio	FALSE	TRUE	FALSE	TRUE	FALSE
CounterpartyLEI	TRUE	FALSE	TRUE	TRUE	TRUE
CumulativeContributedCapital	FALSE	TRUE	FALSE	TRUE	FALSE
CurrencyDescriptionBought	FALSE	TRUE	FALSE	TRUE	FALSE
CurrencyDescriptionSold	FALSE	TRUE	FALSE	TRUE	FALSE
Delta	FALSE	TRUE	FALSE	TRUE	FALSE
ExercisePrice	FALSE	TRUE	FALSE	TRUE	FALSE
DividendsAffiliatedIssuers	FALSE	TRUE	FALSE	TRUE	FALSE
Gamma	FALSE	TRUE	FALSE	TRUE	FALSE
Income	FALSE	TRUE	FALSE	TRUE	FALSE
LiquidityClassification	TRUE	FALSE	TRUE	TRUE	TRUE
MarketValueOfSharesPurchased	FALSE	TRUE	FALSE	TRUE	FALSE
MarketValueOfSharesSold	FALSE	TRUE	FALSE	TRUE	FALSE
NonCashCollateralSecurity	TRUE	FALSE	TRUE	TRUE	TRUE
NonCashCollateralSecurityValue	FALSE	TRUE	FALSE	TRUE	FALSE
NumberOfContracts	FALSE	TRUE	FALSE	TRUE	FALSE
NPORTBalance	TRUE	FALSE	TRUE	TRUE	TRUE
OptionWarrantType	TRUE	FALSE	TRUE	TRUE	TRUE
PayoffProfile	TRUE	FALSE	TRUE	TRUE	TRUE
RealizedValue	FALSE	TRUE	FALSE	TRUE	FALSE
RemainingCommitment	FALSE	TRUE	FALSE	TRUE	FALSE
RepurchaseRate	FALSE	TRUE	FALSE	TRUE	FALSE
SettlementDate	TRUE	FALSE	TRUE	TRUE	TRUE
SharesPurchased	FALSE	TRUE	FALSE	TRUE	FALSE
SharesSold	FALSE	TRUE	FALSE	TRUE	FALSE
SwapDescription	TRUE	FALSE	TRUE	TRUE	TRUE
SwapDescriptionPaymentsPaid	TRUE	FALSE	TRUE	TRUE	TRUE
SwapDescriptionPaymentsReceived	TRUE	FALSE	TRUE	TRUE	TRUE
TotalDistributions	FALSE	TRUE	FALSE	TRUE	FALSE
TriParty	TRUE	FALSE	TRUE	TRUE	TRUE
UnrealizedAppreciationDepreciation	FALSE	TRUE	FALSE	TRUE	FALSE
UpfrontPaymentsReceipts	FALSE	TRUE	FALSE	TRUE	FALSE
Vega	FALSE	TRUE	FALSE	TRUE	FALSE
ChangeInUnrealizedValueCalculated	FALSE	TRUE	FALSE	TRUE	FALSE
NetSharesActivityCalculated	FALSE	TRUE	FALSE	TRUE	FALSE
NetSharesSoldCalculated	FALSE	TRUE	FALSE	TRUE	FALSE
NetMarketValueOfSharesActivityCalculated	FALSE	TRUE	FALSE	TRUE	FALSE
NetMarketValueOfSharesSoldCalculated	FALSE	TRUE	FALSE	TRUE	FALSE

	Portfolio Statement Templates page (cont.)	Portfolio Statement Template Output Settings page			
New Field Name	Add Item > Group	Abbreviation Legend node	Aggregated Category node	Aggregated Securities node	Category Exception Header node
CaptionCustomSort	TRUE	FALSE	TRUE	(only if aggregating)	TRUE
ConvertibleContingent	TRUE	FALSE	TRUE	(only if aggregating)	TRUE
ConvertibleMandatory	TRUE	FALSE	TRUE	(only if aggregating)	TRUE
CouponType	TRUE	FALSE	TRUE	(only if aggregating)	TRUE
InterestOrCouponDeferred	TRUE	FALSE	TRUE	(only if aggregating)	TRUE
InterestPaidInKind	TRUE	FALSE	TRUE	(only if aggregating)	TRUE
ReferenceInstrumentDescription	TRUE	FALSE	TRUE	(only if aggregating)	TRUE
Ticker	TRUE	FALSE	TRUE	(only if aggregating)	TRUE
AccruedDiscountsPremiums	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
CapitalGainDistributions	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
CashCollateralSecurity	TRUE	FALSE	TRUE	(only if aggregating)	TRUE
CashCollateralSecurityValue	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
CentralCounterparty	TRUE	FALSE	TRUE	(only if aggregating)	TRUE
ChangeInUnrealizedValue	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
ClearedByCentralCounterparty	TRUE	FALSE	TRUE	(only if aggregating)	TRUE
CommittedCapital	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
ConversionRatio	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
CounterpartyLEI	TRUE	FALSE	TRUE	(only if aggregating)	TRUE
CumulativeContributedCapital	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
CurrencyDescriptionBought	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
CurrencyDescriptionSold	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
Delta	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
ExercisePrice	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
DividendsAffiliatedIssuers	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
Gamma	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
Income	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
LiquidityClassification	TRUE	FALSE	TRUE	(only if aggregating)	TRUE
MarketValueOfSharesPurchased	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
MarketValueOfSharesSold	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
NonCashCollateralSecurity	TRUE	FALSE	TRUE	(only if aggregating)	TRUE
NonCashCollateralSecurityValue	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
NumberOfContracts	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
NPORTBalance	TRUE	FALSE	TRUE	(only if aggregating)	TRUE
OptionWarrantType	TRUE	FALSE	TRUE	(only if aggregating)	TRUE
PayoffProfile	TRUE	FALSE	TRUE	(only if aggregating)	TRUE
RealizedValue	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
RemainingCommitment	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
RepurchaseRate	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
SettlementDate	TRUE	FALSE	TRUE	(only if aggregating)	TRUE
SharesPurchased	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
SharesSold	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
SwapDescription	TRUE	FALSE	TRUE	(only if aggregating)	TRUE
SwapDescriptionPaymentsPaid	TRUE	FALSE	TRUE	(only if aggregating)	TRUE
SwapDescriptionPaymentsReceived	TRUE	FALSE	TRUE	(only if aggregating)	TRUE
TotalDistributions	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
TriParty	TRUE	FALSE	TRUE	(only if aggregating)	TRUE
UnrealizedAppreciationDepreciation	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
UpfrontPaymentsReceipts	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
Vega	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
ChangeInUnrealizedValueCalculated	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
NetSharesActivityCalculated	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
NetSharesSoldCalculated	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
NetMarketValueOfSharesActivityCalculated	TRUE	FALSE	TRUE	(sum all holdings)	TRUE
NetMarketValueOfSharesSoldCalculated	TRUE	FALSE	TRUE	(sum all holdings)	TRUE

Portfolio Statement Template Output Settings page (cont.)					
New Field Name	Category Exception Total node	Category Header node	Category Total node	Currency Legend node	Footnote Legend node
CaptionCustomSort	TRUE	TRUE	TRUE	FALSE	FALSE
ConvertibleContingent	TRUE	TRUE	TRUE	FALSE	FALSE
ConvertibleMandatory	TRUE	TRUE	TRUE	FALSE	FALSE
CouponType	TRUE	TRUE	TRUE	FALSE	FALSE
InterestOrCouponDeferred	TRUE	TRUE	TRUE	FALSE	FALSE
InterestPaidInKind	TRUE	TRUE	TRUE	FALSE	FALSE
ReferenceInstrumentDescription	TRUE	TRUE	TRUE	FALSE	FALSE
Ticker	TRUE	TRUE	TRUE	FALSE	FALSE
AccruedDiscountsPremiums	TRUE	TRUE	TRUE	FALSE	FALSE
CapitalGainDistributions	TRUE	TRUE	TRUE	FALSE	FALSE
CashCollateralSecurity	TRUE	TRUE	TRUE	FALSE	FALSE
CashCollateralSecurityValue	TRUE	TRUE	TRUE	FALSE	FALSE
CentralCounterparty	TRUE	TRUE	TRUE	FALSE	FALSE
ChangeInUnrealizedValue	TRUE	TRUE	TRUE	FALSE	FALSE
ClearedByCentralCounterparty	TRUE	TRUE	TRUE	FALSE	FALSE
CommittedCapital	TRUE	TRUE	TRUE	FALSE	FALSE
ConversionRatio	TRUE	TRUE	TRUE	FALSE	FALSE
CounterpartyLEI	TRUE	TRUE	TRUE	FALSE	FALSE
CumulativeContributedCapital	TRUE	TRUE	TRUE	FALSE	FALSE
CurrencyDescriptionBought	TRUE	TRUE	TRUE	FALSE	FALSE
CurrencyDescriptionSold	TRUE	TRUE	TRUE	FALSE	FALSE
Delta	TRUE	TRUE	TRUE	FALSE	FALSE
ExercisePrice	TRUE	TRUE	TRUE	FALSE	FALSE
DividendsAffiliatedIssuers	TRUE	TRUE	TRUE	FALSE	FALSE
Gamma	TRUE	TRUE	TRUE	FALSE	FALSE
Income	TRUE	TRUE	TRUE	FALSE	FALSE
LiquidityClassification	TRUE	TRUE	TRUE	FALSE	FALSE
MarketValueOfSharesPurchased	TRUE	TRUE	TRUE	FALSE	FALSE
MarketValueOfSharesSold	TRUE	TRUE	TRUE	FALSE	FALSE
NonCashCollateralSecurity	TRUE	TRUE	TRUE	FALSE	FALSE
NonCashCollateralSecurityValue	TRUE	TRUE	TRUE	FALSE	FALSE
NumberOfContracts	TRUE	TRUE	TRUE	FALSE	FALSE
NPORTBalance	TRUE	TRUE	TRUE	FALSE	FALSE
OptionWarrantType	TRUE	TRUE	TRUE	FALSE	FALSE
PayoffProfile	TRUE	TRUE	TRUE	FALSE	FALSE
RealizedValue	TRUE	TRUE	TRUE	FALSE	FALSE
RemainingCommitment	TRUE	TRUE	TRUE	FALSE	FALSE
RepurchaseRate	TRUE	TRUE	TRUE	FALSE	FALSE
SettlementDate	TRUE	TRUE	TRUE	FALSE	FALSE
SharesPurchased	TRUE	TRUE	TRUE	FALSE	FALSE
SharesSold	TRUE	TRUE	TRUE	FALSE	FALSE
SwapDescription	TRUE	TRUE	TRUE	FALSE	FALSE
SwapDescriptionPaymentsPaid	TRUE	TRUE	TRUE	FALSE	FALSE
SwapDescriptionPaymentsReceived	TRUE	TRUE	TRUE	FALSE	FALSE
TotalDistributions	TRUE	TRUE	TRUE	FALSE	FALSE
TriParty	TRUE	TRUE	TRUE	FALSE	FALSE
UnrealizedAppreciationDepreciation	TRUE	TRUE	TRUE	FALSE	FALSE
UpfrontPaymentsReceipts	TRUE	TRUE	TRUE	FALSE	FALSE
Vega	TRUE	TRUE	TRUE	FALSE	FALSE
ChangeInUnrealizedValueCalculated	TRUE	TRUE	TRUE	FALSE	FALSE
NetSharesActivityCalculated	TRUE	TRUE	TRUE	FALSE	FALSE
NetSharesSoldCalculated	TRUE	TRUE	TRUE	FALSE	FALSE
NetMarketValueOfSharesActivityCalculated	TRUE	TRUE	TRUE	FALSE	FALSE
NetMarketValueOfSharesSoldCalculated	TRUE	TRUE	TRUE	FALSE	FALSE

Portfolio Statement Template Output Settings page (cont.)					
New Field Name	Formula node	Group Exception Header node	Group Exception Total node	Group Header node	Group Total node
CaptionCustomSort	FALSE	TRUE	TRUE	TRUE	TRUE
ConvertibleContingent	FALSE	TRUE	TRUE	TRUE	TRUE
ConvertibleMandatory	FALSE	TRUE	TRUE	TRUE	TRUE
CouponType	FALSE	TRUE	TRUE	TRUE	TRUE
InterestOrCouponDeferred	FALSE	TRUE	TRUE	TRUE	TRUE
InterestPaidInKind	FALSE	TRUE	TRUE	TRUE	TRUE
ReferenceInstrumentDescription	FALSE	TRUE	TRUE	TRUE	TRUE
Ticker	FALSE	TRUE	TRUE	TRUE	TRUE
AccruedDiscountsPremiums	TRUE	TRUE	TRUE	TRUE	TRUE
CapitalGainDistributions	TRUE	TRUE	TRUE	TRUE	TRUE
CashCollateralSecurity	FALSE	TRUE	TRUE	TRUE	TRUE
CashCollateralSecurityValue	TRUE	TRUE	TRUE	TRUE	TRUE
CentralCounterparty	FALSE	TRUE	TRUE	TRUE	TRUE
ChangeInUnrealizedValue	TRUE	TRUE	TRUE	TRUE	TRUE
ClearedByCentralCounterparty	FALSE	TRUE	TRUE	TRUE	TRUE
CommittedCapital	TRUE	TRUE	TRUE	TRUE	TRUE
ConversionRatio	TRUE	TRUE	TRUE	TRUE	TRUE
CounterpartyLEI	FALSE	TRUE	TRUE	TRUE	TRUE
CumulativeContributedCapital	TRUE	TRUE	TRUE	TRUE	TRUE
CurrencyDescriptionBought	TRUE	TRUE	TRUE	TRUE	TRUE
CurrencyDescriptionSold	TRUE	TRUE	TRUE	TRUE	TRUE
Delta	TRUE	TRUE	TRUE	TRUE	TRUE
ExercisePrice	TRUE	TRUE	TRUE	TRUE	TRUE
DividendsAffiliatedIssuers	TRUE	TRUE	TRUE	TRUE	TRUE
Gamma	TRUE	TRUE	TRUE	TRUE	TRUE
Income	TRUE	TRUE	TRUE	TRUE	TRUE
LiquidityClassification	FALSE	TRUE	TRUE	TRUE	TRUE
MarketValueOfSharesPurchased	TRUE	TRUE	TRUE	TRUE	TRUE
MarketValueOfSharesSold	TRUE	TRUE	TRUE	TRUE	TRUE
NonCashCollateralSecurity	FALSE	TRUE	TRUE	TRUE	TRUE
NonCashCollateralSecurityValue	TRUE	TRUE	TRUE	TRUE	TRUE
NumberOfContracts	TRUE	TRUE	TRUE	TRUE	TRUE
NPORTBalance	FALSE	TRUE	TRUE	TRUE	TRUE
OptionWarrantType	FALSE	TRUE	TRUE	TRUE	TRUE
PayoffProfile	FALSE	TRUE	TRUE	TRUE	TRUE
RealizedValue	TRUE	TRUE	TRUE	TRUE	TRUE
RemainingCommitment	TRUE	TRUE	TRUE	TRUE	TRUE
RepurchaseRate	TRUE	TRUE	TRUE	TRUE	TRUE
SettlementDate	FALSE	TRUE	TRUE	TRUE	TRUE
SharesPurchased	TRUE	TRUE	TRUE	TRUE	TRUE
SharesSold	TRUE	TRUE	TRUE	TRUE	TRUE
SwapDescription	FALSE	TRUE	TRUE	TRUE	TRUE
SwapDescriptionPaymentsPaid	FALSE	TRUE	TRUE	TRUE	TRUE
SwapDescriptionPaymentsReceived	FALSE	TRUE	TRUE	TRUE	TRUE
TotalDistributions	TRUE	TRUE	TRUE	TRUE	TRUE
TriParty	FALSE	TRUE	TRUE	TRUE	TRUE
UnrealizedAppreciationDepreciation	TRUE	TRUE	TRUE	TRUE	TRUE
UpfrontPaymentsReceipts	TRUE	TRUE	TRUE	TRUE	TRUE
Vega	TRUE	TRUE	TRUE	TRUE	TRUE
ChangeInUnrealizedValueCalculated	TRUE	TRUE	TRUE	TRUE	TRUE
NetSharesActivityCalculated	TRUE	TRUE	TRUE	TRUE	TRUE
NetSharesSoldCalculated	TRUE	TRUE	TRUE	TRUE	TRUE
NetMarketValueOfSharesActivityCalculated	TRUE	TRUE	TRUE	TRUE	TRUE
NetMarketValueOfSharesSoldCalculated	TRUE	TRUE	TRUE	TRUE	TRUE

Portfolio Statement Template Output Settings page (cont.)					
New Field Name	Legend node	Negative Subtotal node	Net Assets node	Other Assets node	Other Securities node
CaptionCustomSort	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
ConvertibleContingent	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
ConvertibleMandatory	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
CouponType	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
InterestOrCouponDeferred	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
InterestPaidInKind	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
ReferenceInstrumentDescription	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
Ticker	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
AccruedDiscountsPremiums	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
CapitalGainDistributions	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
CashCollateralSecurity	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
CashCollateralSecurityValue	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
CentralCounterparty	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
ChangeInUnrealizedValue	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
ClearedByCentralCounterparty	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
CommittedCapital	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
ConversionRatio	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
CounterpartyLEI	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
CumulativeContributedCapital	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
CurrencyDescriptionBought	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
CurrencyDescriptionSold	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
Delta	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
ExercisePrice	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
DividendsAffiliatedIssuers	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
Gamma	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
Income	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
LiquidityClassification	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
MarketValueOfSharesPurchased	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
MarketValueOfSharesSold	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
NonCashCollateralSecurity	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
NonCashCollateralSecurityValue	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
NumberOfContracts	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
NPORTBalance	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
OptionWarrantType	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
PayoffProfile	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
RealizedValue	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
RemainingCommitment	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
RepurchaseRate	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
SettlementDate	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
SharesPurchased	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
SharesSold	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
SwapDescription	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
SwapDescriptionPaymentsPaid	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
SwapDescriptionPaymentsReceived	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
TotalDistributions	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
TriParty	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
UnrealizedAppreciationDepreciation	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
UpfrontPaymentsReceipts	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
Vega	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
ChangeInUnrealizedValueCalculated	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
NetSharesActivityCalculated	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
NetSharesSoldCalculated	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
NetMarketValueOfSharesActivityCalculated	FALSE	TRUE	TRUE	TRUE	(sum all holdings)
NetMarketValueOfSharesSoldCalculated	FALSE	TRUE	TRUE	TRUE	(sum all holdings)

Portfolio Statement Template Output Settings page (cont.)					
New Field Name	Positive Subtotal node	Security node	Security Single node	Stack Level Header node	Stack Level Security Single node
CaptionCustomSort	TRUE	TRUE	TRUE	TRUE	TRUE
ConvertibleContingent	TRUE	TRUE	TRUE	TRUE	TRUE
ConvertibleMandatory	TRUE	TRUE	TRUE	TRUE	TRUE
CouponType	TRUE	TRUE	TRUE	TRUE	TRUE
InterestOrCouponDeferred	TRUE	TRUE	TRUE	TRUE	TRUE
InterestPaidInKind	TRUE	TRUE	TRUE	TRUE	TRUE
ReferenceInstrumentDescription	TRUE	TRUE	TRUE	TRUE	TRUE
Ticker	TRUE	TRUE	TRUE	TRUE	TRUE
AccruedDiscountsPremiums	TRUE	TRUE	TRUE	TRUE	TRUE
CapitalGainDistributions	TRUE	TRUE	TRUE	TRUE	TRUE
CashCollateralSecurity	TRUE	TRUE	TRUE	TRUE	TRUE
CashCollateralSecurityValue	TRUE	TRUE	TRUE	TRUE	TRUE
CentralCounterparty	TRUE	TRUE	TRUE	TRUE	TRUE
ChangeInUnrealizedValue	TRUE	TRUE	TRUE	TRUE	TRUE
ClearedByCentralCounterparty	TRUE	TRUE	TRUE	TRUE	TRUE
CommittedCapital	TRUE	TRUE	TRUE	TRUE	TRUE
ConversionRatio	TRUE	TRUE	TRUE	TRUE	TRUE
CounterpartyLEI	TRUE	TRUE	TRUE	TRUE	TRUE
CumulativeContributedCapital	TRUE	TRUE	TRUE	TRUE	TRUE
CurrencyDescriptionBought	TRUE	TRUE	TRUE	TRUE	TRUE
CurrencyDescriptionSold	TRUE	TRUE	TRUE	TRUE	TRUE
Delta	TRUE	TRUE	TRUE	TRUE	TRUE
ExercisePrice	TRUE	TRUE	TRUE	TRUE	TRUE
DividendsAffiliatedIssuers	TRUE	TRUE	TRUE	TRUE	TRUE
Gamma	TRUE	TRUE	TRUE	TRUE	TRUE
Income	TRUE	TRUE	TRUE	TRUE	TRUE
LiquidityClassification	TRUE	TRUE	TRUE	TRUE	TRUE
MarketValueOfSharesPurchased	TRUE	TRUE	TRUE	TRUE	TRUE
MarketValueOfSharesSold	TRUE	TRUE	TRUE	TRUE	TRUE
NonCashCollateralSecurity	TRUE	TRUE	TRUE	TRUE	TRUE
NonCashCollateralSecurityValue	TRUE	TRUE	TRUE	TRUE	TRUE
NumberOfContracts	TRUE	TRUE	TRUE	TRUE	TRUE
NPORTBalance	TRUE	TRUE	TRUE	TRUE	TRUE
OptionWarrantType	TRUE	TRUE	TRUE	TRUE	TRUE
PayoffProfile	TRUE	TRUE	TRUE	TRUE	TRUE
RealizedValue	TRUE	TRUE	TRUE	TRUE	TRUE
RemainingCommitment	TRUE	TRUE	TRUE	TRUE	TRUE
RepurchaseRate	TRUE	TRUE	TRUE	TRUE	TRUE
SettlementDate	TRUE	TRUE	TRUE	TRUE	TRUE
SharesPurchased	TRUE	TRUE	TRUE	TRUE	TRUE
SharesSold	TRUE	TRUE	TRUE	TRUE	TRUE
SwapDescription	TRUE	TRUE	TRUE	TRUE	TRUE
SwapDescriptionPaymentsPaid	TRUE	TRUE	TRUE	TRUE	TRUE
SwapDescriptionPaymentsReceived	TRUE	TRUE	TRUE	TRUE	TRUE
TotalDistributions	TRUE	TRUE	TRUE	TRUE	TRUE
TriParty	TRUE	TRUE	TRUE	TRUE	TRUE
UnrealizedAppreciationDepreciation	TRUE	TRUE	TRUE	TRUE	TRUE
UpfrontPaymentsReceipts	TRUE	TRUE	TRUE	TRUE	TRUE
Vega	TRUE	TRUE	TRUE	TRUE	TRUE
ChangeInUnrealizedValueCalculated	TRUE	TRUE	TRUE	TRUE	TRUE
NetSharesActivityCalculated	TRUE	TRUE	TRUE	TRUE	TRUE
NetSharesSoldCalculated	TRUE	TRUE	TRUE	TRUE	TRUE
NetMarketValueOfSharesActivityCalculated	TRUE	TRUE	TRUE	TRUE	TRUE
NetMarketValueOfSharesSoldCalculated	TRUE	TRUE	TRUE	TRUE	TRUE

	Portfolio Statement Template Output Settings page (cont.)			Financial Workbook Templates page	
New Field Name	Stack Level Total node	Total Investments node	"Format Items" tab > Item Suppression > Custom suppression > Colum Name	Cacluation Sheets > Add/Edit Item (Holdings) > Add/Edit Element (Holdings Category) > Value to sum	Cacluation Sheets > Add/Edit Item (Holdings) > Add/Edit Element (Holdings Category Maturity Range) > Value to sum
CaptionCustomSort	TRUE	TRUE	FALSE	FALSE	FALSE
ConvertibleContingent	TRUE	TRUE	FALSE	FALSE	FALSE
ConvertibleMandatory	TRUE	TRUE	FALSE	FALSE	FALSE
CouponType	TRUE	TRUE	FALSE	FALSE	FALSE
InterestOrCouponDeferred	TRUE	TRUE	FALSE	FALSE	FALSE
InterestPaidInKind	TRUE	TRUE	FALSE	FALSE	FALSE
ReferenceInstrumentDescription	TRUE	TRUE	FALSE	FALSE	FALSE
Ticker	TRUE	TRUE	FALSE	FALSE	FALSE
AccruedDiscountsPremiums	TRUE	TRUE	FALSE	TRUE	TRUE
CapitalGainDistributions	TRUE	TRUE	FALSE	TRUE	TRUE
CashCollateralSecurity	TRUE	TRUE	FALSE	FALSE	FALSE
CashCollateralSecurityValue	TRUE	TRUE	FALSE	TRUE	TRUE
CentralCounterparty	TRUE	TRUE	FALSE	FALSE	FALSE
ChangeInUnrealizedValue	TRUE	TRUE	FALSE	TRUE	TRUE
ClearedbyCentralCounterparty	TRUE	TRUE	FALSE	FALSE	FALSE
CommittedCapital	TRUE	TRUE	FALSE	TRUE	TRUE
ConversionRatio	TRUE	TRUE	FALSE	TRUE	TRUE
CounterpartyLEI	TRUE	TRUE	FALSE	FALSE	FALSE
CumulativeContributedCapital	TRUE	TRUE	FALSE	TRUE	TRUE
CurrencyDescriptionBought	TRUE	TRUE	FALSE	TRUE	TRUE
CurrencyDescriptionSold	TRUE	TRUE	FALSE	TRUE	TRUE
Delta	TRUE	TRUE	FALSE	TRUE	TRUE
ExercisePrice	TRUE	TRUE	FALSE	TRUE	TRUE
DividendsAffiliatedIssuers	TRUE	TRUE	FALSE	TRUE	TRUE
Gamma	TRUE	TRUE	FALSE	TRUE	TRUE
Income	TRUE	TRUE	FALSE	TRUE	TRUE
LiquidityClassification	TRUE	TRUE	FALSE	FALSE	FALSE
MarketValueofSharesPurchased	TRUE	TRUE	FALSE	TRUE	TRUE
MarketValueofSharesSold	TRUE	TRUE	FALSE	TRUE	TRUE
NonCashCollateralSecurity	TRUE	TRUE	FALSE	FALSE	FALSE
NonCashCollateralSecurityValue	TRUE	TRUE	FALSE	TRUE	TRUE
NumberOfContracts	TRUE	TRUE	FALSE	TRUE	TRUE
NPORTBalance	TRUE	TRUE	FALSE	FALSE	FALSE
OptionWarrantType	TRUE	TRUE	FALSE	FALSE	FALSE
PayoffProfile	TRUE	TRUE	FALSE	FALSE	FALSE
RealizedValue	TRUE	TRUE	FALSE	TRUE	TRUE
RemainingCommitment	TRUE	TRUE	FALSE	TRUE	TRUE
RepurchaseRate	TRUE	TRUE	FALSE	TRUE	TRUE
SettlementDate	TRUE	TRUE	FALSE	FALSE	FALSE
SharesPurchased	TRUE	TRUE	FALSE	TRUE	TRUE
SharesSold	TRUE	TRUE	FALSE	TRUE	TRUE
SwapDescription	TRUE	TRUE	FALSE	FALSE	FALSE
SwapDescriptionPaymentsPaid	TRUE	TRUE	FALSE	FALSE	FALSE
SwapDescriptionPaymentsReceived	TRUE	TRUE	FALSE	FALSE	FALSE
TotalDistributions	TRUE	TRUE	FALSE	TRUE	TRUE
TriParty	TRUE	TRUE	FALSE	FALSE	FALSE
UnrealizedAppreciationDepreciation	TRUE	TRUE	FALSE	TRUE	TRUE
UpfrontPaymentsReceipts	TRUE	TRUE	FALSE	TRUE	TRUE
Vega	TRUE	TRUE	FALSE	TRUE	TRUE
ChangeInUnrealizedValueCalculated	TRUE	TRUE	FALSE	TRUE	TRUE
NetSharesActivityCalculated	TRUE	TRUE	FALSE	TRUE	TRUE
NetSharesSoldCalculated	TRUE	TRUE	FALSE	TRUE	TRUE
NetMarketValueOfSharesActivityCalculated	TRUE	TRUE	FALSE	TRUE	TRUE
NetMarketValueOfSharesSoldCalculated	TRUE	TRUE	FALSE	TRUE	TRUE

	Financial Workbook Templates page (cont.)			
New Field Name	Caclulation Sheets > Add/Edit Item (Holdings) > Add/Edit Element (Holdings Category Subtotal) > Value to sum	Caclulation Sheets > Add/Edit Item (Holdings) > Add/Edit Element (Holdings Detail) > Value to sum	Caclulation Sheets > Add/Edit Item (Holdings) > Add/Edit Element (Holdings Detail) > Add/Edit Conditions > Field by which to group	Caclulation Sheets > Add/Edit Item (Portfolio Statement Definition) > Add/Edit Element > (Formula item) > Value
CaptionCustomSort	FALSE	FALSE	TRUE	FALSE
ConvertibleContingent	FALSE	FALSE	FALSE	FALSE
ConvertibleMandatory	FALSE	FALSE	FALSE	FALSE
CouponType	FALSE	FALSE	TRUE	FALSE
InterestOrCouponDeferred	FALSE	FALSE	FALSE	FALSE
InterestPaidInKind	FALSE	FALSE	FALSE	FALSE
ReferenceInstrumentDescription	FALSE	FALSE	TRUE	FALSE
Ticker	FALSE	FALSE	TRUE	FALSE
AccruedDiscountsPremiums	TRUE	TRUE	TRUE	TRUE
CapitalGainDistributions	TRUE	TRUE	TRUE	TRUE
CashCollateralSecurity	FALSE	FALSE	FALSE	FALSE
CashCollateralSecurityValue	TRUE	TRUE	TRUE	TRUE
CentralCounterparty	FALSE	FALSE	TRUE	FALSE
ChangeinUnrealizedValue	TRUE	TRUE	TRUE	TRUE
ClearedbyCentralCounterparty	FALSE	FALSE	FALSE	FALSE
CommittedCapital	TRUE	TRUE	TRUE	TRUE
ConversionRatio	TRUE	TRUE	TRUE	TRUE
CounterpartyLEI	FALSE	FALSE	TRUE	FALSE
CumulativeContributedCapital	TRUE	TRUE	TRUE	TRUE
CurrencyDescriptionBought	TRUE	TRUE	TRUE	TRUE
CurrencyDescriptionSold	TRUE	TRUE	TRUE	TRUE
Delta	TRUE	TRUE	TRUE	TRUE
ExercisePrice	TRUE	TRUE	TRUE	TRUE
DividendsAffiliatedIssuers	TRUE	TRUE	TRUE	TRUE
Gamma	TRUE	TRUE	TRUE	TRUE
Income	TRUE	TRUE	TRUE	TRUE
LiquidityClassification	FALSE	FALSE	TRUE	FALSE
MarketValueofSharesPurchased	TRUE	TRUE	TRUE	TRUE
MarketValueofSharesSold	TRUE	TRUE	TRUE	TRUE
NonCashCollateralSecurity	FALSE	FALSE	FALSE	FALSE
NonCashCollateralSecurityValue	TRUE	TRUE	TRUE	TRUE
NumberOfContracts	TRUE	TRUE	TRUE	TRUE
NPORTBalance	FALSE	FALSE	TRUE	FALSE
OptionWarrantType	FALSE	FALSE	TRUE	FALSE
PayoffProfile	FALSE	FALSE	TRUE	FALSE
RealizedValue	TRUE	TRUE	TRUE	TRUE
RemainingCommitment	TRUE	TRUE	TRUE	TRUE
RepurchaseRate	TRUE	TRUE	TRUE	TRUE
SettlementDate	FALSE	FALSE	TRUE	FALSE
SharesPurchased	TRUE	TRUE	TRUE	TRUE
SharesSold	TRUE	TRUE	TRUE	TRUE
SwapDescription	FALSE	FALSE	TRUE	FALSE
SwapDescriptionPaymentsPaid	FALSE	FALSE	TRUE	FALSE
SwapDescriptionPaymentsReceived	FALSE	FALSE	TRUE	FALSE
TotalDistributions	TRUE	TRUE	TRUE	TRUE
TriParty	FALSE	FALSE	FALSE	FALSE
UnrealizedAppreciationDepreciation	TRUE	TRUE	TRUE	TRUE
UpfrontPaymentsReceipts	TRUE	TRUE	TRUE	TRUE
Vega	TRUE	TRUE	TRUE	TRUE
ChangeinUnrealizedValueCalculated	TRUE	TRUE	TRUE	TRUE
NetSharesActivityCalculated	TRUE	TRUE	TRUE	FALSE
NetSharesSoldCalculated	TRUE	TRUE	TRUE	FALSE
NetMarketValueOfSharesActivityCalculated	TRUE	TRUE	TRUE	FALSE
NetMarketValueOfSharesSoldCalculated	TRUE	TRUE	TRUE	FALSE





# Closed Defects

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



Product	DFS ID	Module/Location	Description
ArcFiling	154033 (IM16-187424)	Output	Resolved a defect that prevented successful <i>Live</i> filings from displaying on the <b>Filing Manager</b> page.
ArcFiling	154652 (IM16-701866)	Output	Resolved a defect that resulted in an incorrect answer on the N-MFP Review Report.
ArcFiling	155468 (IM16-724511)	Securities Audit Report	Resolved a defect that prevented changes to Item C.1 from displaying in the Securities Audit Report.
ArcFiling/ ArcReporting	46225 (IM16-097149)	Project Templates	Resolved a defect that prevented users from selecting the correct style sheet when using different output templates in a given project template.
ArcFiling/ ArcReporting	152795	Output	Performance improvements were made to the output engine.
ArcFiling/ ArcReporting	153716	Table Styles	Removed validation logic that prevented table styles containing underscores from being added/saved.
ArcFiling/ ArcReporting	154038	Tabular Data Templates	Resolved a defect that resulted in selection names to be truncated in the <i>Format</i> drop-down list on the <b>Tabular Data Template Output Settings</b> page.
ArcFiling/ ArcReporting	155698	Portfolio Statement Templates	Resolved a defect that prevented portfolio statement template percentages from totaling correctly.
ArcFiling/ ArcReporting	156674	Fund Holdings	Performance improvements were made to the <b>Fund Holdings</b> page when retrieving security categorization.
ArcFiling/ ArcReporting	160885	Fund Holdings	Performance improvements to the <b>Fund Holdings</b> page.

Product	DFS ID	Module/Location	Description
ArcFiling/ ArcReporting	162529	Project	Performance improvements were made to the <b>Project Templates</b> page.
ArcFiling/ ArcReporting	163435	Project	Performance improvements were made to project roll-forward logic.
ArcFiling/ ArcReporting	163871	Text Libraries	Performance improvements were made to the <b>Text Libraries</b> page to optimize loading times.
ArcFiling/ ArcReporting	165040	Data Import/Dataload	Performance improvements were made to data import/dataload processes.
ArcFiling/ ArcReporting	143163 (IM16- 231544)	Text Libraries	In previous application versions, unanticipated extra line breaks appeared in project output where manually-entered page breaks existed on a line containing text. Users will now be restricted from entering a manual page break in a text snippet by using <code>Ctrl + Enter</code> on lines containing text. The user will be presented with a message to remind them that page breaks can only be added to an empty line.
ArcFiling/ ArcReporting	149784 (IM16- 708220)	Portfolio Statement Templates	Resolved a defect that resulted in portfolios not footing properly when security categorization does not exist.
ArcFiling/ ArcReporting	152542 (IM16- 712400)	Text Libraries	Resolved an issue in which text containing <i>bold</i> formatting was not displaying as bold in PDF output.
ArcFiling/ ArcReporting	153972 (IM16- 718922)	Security/Investment Master	Resolved a defect that resulted in issues deleting spaces via the <b>Security/Investment Master</b> page.

Product	DFS ID	Module/Location	Description
ArcFiling/ ArcReporting	154036 (IM16- 246462)	Project	Resolved a defect that caused document structure template items to duplicate on the <i>Components</i> tab of the <b>Project</b> page.
ArcFiling/ ArcReporting	154121 (IM16- 702880)	Output	Resolved a defect that prevented users from generating PDF output.
ArcFiling/ ArcReporting	154133 (IM16- 708621)	Fund Holdings	Resolved a defect that prevented the <b>Fund Holdings</b> page from loading.
ArcFiling/ ArcReporting	154647 (IM16- 232628)	Project	Resolved a defect that caused the frequent display of a <i>We're Sorry</i> message.
ArcFiling/ ArcReporting	154650 (IM16- 701194)	Project Templates	Resolved a defect that prevented import options from working as expected.
ArcFiling/ ArcReporting	154658 (IM16- 701518)	Text Libraries	Resolved a defect that prevented users from creating content in snippets.
ArcFiling/ ArcReporting	154860 (IM16- 145350)	Text Libraries	Resolved a defect that caused delayed content display in the text editor when clicking between various snippets.
ArcFiling/ ArcReporting	155106 (IM16- 723302)	Fund Holdings	Performance improvements were made to allow users revert multiple security categorization edits before saving.

Product	DFS ID	Module/Location	Description
ArcFiling/ ArcReporting	155501 (IM16- 723313)	Fund Holdings	Performance improvements to scroll bars on the <b>Fund Holdings</b> page.
ArcFiling/ ArcReporting	155502 (IM16- 723313)	Fund Holdings	Performance improvements to revert functionality on the <b>Fund Holdings</b> page.
ArcFiling/ ArcReporting	155801 (IM16- 724653)	Text Libraries	Resolved a defect that resulted in a non-empty paragraph including a page break to disappear from output.
ArcFiling/ ArcReporting	155871 (IM16- 726112)	Project	Resolved a defect that prevented access to bar chart templates via the <i>Components</i> tab of the <b>Project</b> page.
ArcFiling/ ArcReporting	156237 (IM16- 723302)	Fund Holdings	Performance improvements were made to allow users revert multiple security categorization edits before saving.
ArcFiling/ ArcReporting	156260 (IM16- 725313)	Class Balances Audit Report	Resolved a defect that prevented the <i>Name of person desc. expense pay</i> value from displaying in the Class Balances Audit Report.
ArcFiling/ ArcReporting	156376 (IM16- 728377)	User login	Resolved a defect that resulted in issues with password maintenance.
ArcFiling/ ArcReporting	158274 (IM16- 701414)	Custom Data Point Libraries	Resolved a defect that output two different incorrect results on a project preview.

Product	DFS ID	Module/Location	Description
ArcFiling/ ArcReporting	160550 (IM16- 732717)	Dataload Archive	Performance improvements were made to the dataload <b>Archive</b> page.
ArcFiling/ ArcReporting	162872 (IM16- 734327)	Portfolio Statement Templates	Resolved a defect that showed incorrect Form N-MFP2 language.
ArcFiling/ ArcReporting	163006 (IM16- 739551)	Project	Resolved a defect that caused table suppression in project preview.
ArcFiling/ ArcReporting	163394 (IM16- 740451)	Text Libraries	Resolved a defect that resulted in no content displaying in a given text snippet in the application, but displaying content in output.
ArcFiling/ ArcReporting	163606 (IM16- 740056)	Project Excel Output	Resolved a defect that caused project output to Excel format to fail.
ArcFiling/ ArcReporting	164318 (IM16- 746402)	Project	Resolved a defect that caused an issue in project component locking functionality.
ArcFiling/ ArcReporting	168190 (IM16- 751348)	Securities Audit Report	Resolved a defect that caused an issue in the Securities Audit Report.
ArcFiling/ ArcReporting	168920 (IM17- 002576 & IM16- 720097)	Dynamic Categories	Resolved a defect that resulted in security categorization not evaluating correctly when the <i>Dynamic</i> option for the <i>Category Behavior</i> setting was selected.

The following items were added on June 10<sup>th</sup>, 2017.

Product	DFS ID	Module/Location	Description
ArcFiling	167026 (IM17-000972)	Form N-MFP	Updated <i>Item C.17</i> to prevent truncation of values.
ArcFiling/ ArcReporting	173934	Output	The queueing process for output requests was optimized for better response times.
ArcFiling/ ArcReporting	181586	Project Templates	Stability improvement to tie in footnote text updates to statement cache status on portfolio statements.
ArcFiling/ ArcReporting	181627	Project Templates	Stability improvement to prevent duplicate key errors in <i>Document Template Chapter Expanded</i> .
ArcFiling/ ArcReporting	182083	Portfolio Statement Templates	Stability improvement to fix a defect that caused the reordering of footnotes greater than 10.
ArcFiling/ ArcReporting	152818 (IM16-713880)	Project	Stability improvements to external document functionality to prevent items being unassigned when templates are pushed out.
ArcFiling/ ArcReporting	153072 (IM16-713922)	Category Libraries	Rollforward logic update to include <i>Other Captions</i> when rolling over to new reporting period.
ArcFiling/ ArcReporting	154602 (IM16-720298)	Portfolio Statement Templates	Stability improvement to stacking item suppression functionality.
ArcFiling/ ArcReporting	158221 (IM16-732567)	Shared Legends	Stability improvement to ensure cache status is correctly updated in shared legends.

Product	DFS ID	Module/Location	Description
ArcFiling/ ArcReporting	166299 (IM16- 753364)	Fund Holdings	Design changes to how securities designated as <i>Use Fund/Categorization exception</i> function within a parent/child relationship.
ArcFiling/ ArcReporting	168155 (IM16- 744246)	Roles/Rights	Stability improvement to prevent access to Complex libraries by users without appropriate user rights.
ArcFiling/ ArcReporting	168676 (IM17- 003869)	Portfolio Statement Templates	Stability improvement for portfolio statement template category sort functionality.
ArcFiling/ ArcReporting	169867 (IM17- 009907)	Portfolio Statement Templates	Stability improvement to ensure outer Category Total node displays correctly if <i>Suppress category total if single security item is displayed</i> setting is selected.
ArcFiling/ ArcReporting	170197 (IM17- 010600)	Project Templates	Stability improvement to tie in footnote text updates to statement cache status on financial statements.
ArcFiling/ ArcReporting	171167 (IM17- 015813)	Projects	Redesign of the project preview for tables/statements, to improve the user experience when there are a number of rows/columns spanned together.
ArcFiling/ ArcReporting	171344 (IM17- 016676)	Project Templates	Stability improvement to prevent revisions being deleted from a project if the corresponding output type is removed from the project template.
ArcFiling/ ArcReporting	173443 (IM17- 021516)	Portfolio Statement Templates	Redesign of the consolidation engine for multi-manager and pooling structures to conditionally sum values, use exchange rates and pooling ratios.



Product	DFS ID	Module/Location	Description
ArcFiling/ ArcReporting	174406 (IM17- 025355)	Portfolio Statement Templates	Stability improvement to allow users assign footnotes to column headers.
ArcFiling/ ArcReporting	174411 (IM17- 024789)	Portfolio Statement Templates	Stability improvement to ensure footnote separators come out in the correct order.
ArcFiling/ ArcReporting	177368 (IM17- 027259)	Portfolio Statement Templates	Corrected a schema validation error preventing <i>top change only</i> coming through to the rendered PDF.
ArcFiling/ ArcReporting	181489 (IM17- 030429)	Fund Holdings	Redesigned how the Fund Holdings page saves/creates fund holdings.
ArcFiling/ ArcReporting	181752 (IM17- 031694)	Fund Holdings	Improvement to dynamic categories selected when in a consolidation fund structure.
ArcFiling/ ArcReporting	182171 (IM17- 033562 )	Charting	Changes to underlying chart data will be tracked in blacklined drafts.
ArcFiling/ ArcReporting	182195 (IM17- 035476)	Portfolio Statement Templates	Stability improvement to fix a defect that caused Excel exports of portfolio statement templates getting reordered.

The following items were added on July 28<sup>th</sup>, 2017.

Product	DFS ID	Module/Location	Description
ArcFiling	182766 (IM17- 037617)	Form N-MFP	Updated Repo Collateral Information data import to prevent blank <i>CUSIP</i> and <i>ISIN</i> values in source data file from overwriting existing database values.



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