

# **PFRD<sup>TM</sup> Form PF XML Filing Guide**

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Release 2025.05

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## Federal Information Law and Requirements for a Collection of Information

Section 204(b) of the *Advisers Act* [15 U.S.C. §§ 80b-4(b)] authorizes the *SEC* to collect the information that Form PF requires. The information collected on Form PF is designed to facilitate the Financial Stability Oversight Council's ("FSOC") monitoring of systemic risk in the private fund industry and to assist FSOC in determining whether and how to deploy its regulatory tools with respect to nonbank financial companies. The *SEC* and *CFTC* may also use information collected on Form PF in their regulatory programs, including examinations, investigations and investor protection efforts relating to private fund advisers.

Filing Form PF is mandatory for advisers that satisfy the criteria described in Instruction 1 to the Form. *See also* 17 C.F.R. § 275.204(b)-1. The SEC does not intend to make public information reported on Form PF that is identifiable to any particular adviser or *private fund*, although the SEC may use Form PF information in an enforcement action. *See* Section 204(b) of the *Advisers Act*.

An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid control number. The Office of Management and Budget has reviewed this collection of information under 44 U.S.C. § 3507. Any member of the public may direct any comments concerning the accuracy of the burden estimate and any suggestion for reducing this burden to: Secretary, U.S. Securities and Exchange Commission, 100 F Street NE, Washington, DC 20549.

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# Change History

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## Release 2025.05

05/09/2025

Fix data type for signatureDate field of authorizedRepresentativeSignature and onBehalfofRelatedPersonsSignature

Remove relevancy field in Q47

Update documentation of Q65(g)(i); add documentation of Q65(m)(iii)

Change Q73 to Q73(a) and Q74 to Q73(b). All question numbers from 75 to 86 are reduced one accordingly.

05/01/2025 update:

Update NAICS code list to include parent codes

04/21/2025 update:

Change Q73 to Q73(a) and Q74 to Q73(b). All question numbers from 75 to 86 are reduced one accordingly.

Change Q18 percentageUSDepositoryInstitution, percentageUSNonDepositoryInstitution, and percentageNonUSCreditors to optional

04/15/2025 update:

Fix data type for signatureDate field of authorizedRepresentativeSignature and onBehalfofRelatedPersonsSignature

Remove relevancy field in Q47

Update documentation of Q65(g)(i); add documentation of Q65(m)(iii)

## Release 2025.03

03/05/2025

update: change Q49 values from integer to decimal type.

02/27/2025

update: add isQualifyingHedge field in fund info.

02/25/2025

update: Split Q13 unfundedValue into 3 fields. Add three codes CNV\_BND\_NFIN\_INV\_GD, CNV\_BND\_FIN\_NINV\_GD, and CNV\_BND\_NFIN\_NINV\_GD in fixed income sub-class list

02/04/2025

ValueOfPositionsPeriodEnd supports NA value “ 23 question

Backslash character is removed from NAICS description

Allow NA value in Q23(a) and Q51(b)

Properties unsecuredBorrowing under all unsecuredBorrowing objects are renamed to cash.

Add type in relatedPersonsSignatureItem.email property

Rename Q15(c) array item internalMasterPrivateFund to internalMasterPrivateFundItem

Rename Q25 array item strategyTypeNetAssetValueAndCapital to strategyTypeNetAssetValueAndCapitalItem

Modify Q65(m)(i) documentation

Fix typo CPP. Globally replaced CPP to CCP in the field names.

Add NA value in NAICSCodeType enumerations.

01/15/2025 update: valueOfPositionsPeriodEnd supports NA value; backslash is removed from naics description

updated enumerations of subAssetClassNoInstrumentType, subAssetClassNoInstrumentType, subAssetClassAll

updated Q32(c) new enums subAssetClassFixedIncome for sub-asset classes

12/11/2024 - Schema changes

reportingPeriodEndDate is required

Question 65g, repoDetail. (i) - (iv) are out of array item.

added new field fundInfo.firmCrdNumber

Question 32(b), 32(c) and 40, assetClass fields are changed to subAssetClassAll type

Update enumerations of investmentStrategyType, NAICSCodeType, countryType, subAssetClassWithInstrumentType,

subAssetClassNoInstrumentType, subAssetClassAll Q65(o) yield field is changed to decimal type

Q23(a) renamed field names by removing FiscalYear and made them optional

Added new field fundInfo.advSectionType

10/28/2024 - New version of the draft

fundInvestorCodeType - list of value code had spaces removed them

NAICSCodeType - List of values were incorrect added the correct list

10/30/2024 update:

Question 1 add legalEntityId in firmIdentifyingInformation

Currency list updated

change field days1To7 to days2To7 in liquidityPercentageByPeriod object; impact question 37, 50, 53 and 64

Question 37 - changed field names; reference liquidityPercentageByPeriod object

Question 65 - changed repoDetail to array type; add reportingPeriodMonth field; rename ticker to CIK; add

CASH in the list of collateralInvestmentCategory; add amortizedValueIncludingSponsor and amortizedValueExcludingSponsor properties in position field

Question 85 - change data type to array

Question 57 - reduce the field count from 4 to 3 and rename the fields in liquidityFundBorrowingDetail object

Question 40 - change titleOrDescription to required field

11/04/2024 update: hasPrimeBrokerageAgreement is not required

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# How To Submit XML Filings

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## Introduction

To facilitate filing of Form PF section 1 -4, SEC provides an XML based filing submission interface. Filers who submit Form PF XML are subject to the same Federal information law and requirements imposed on any other filers.

The XML based Form PF filing interface may be accessed in two ways:

- (1) interactively via the file management interface on FINRA Gateway and
- (2) programmatically, machine-to-machine, via the FileX.

Whether accessed interactively or programmatically, this XML interface is secure and requires a username and password. For more information on obtaining a username and password, please refer to the [FINRA Entitlement Program](#) page. Firms will be able to upload the PF submission.

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## Filing interactively via the file management interface on FINRA Gateway

FileX provides a user interface *file management* on FINRA Gateway that can be used to upload XML file submissions for Form PF Section 1-4. Filers can submit a Form PF filing by clicking the *Upload Files* tab and completing following steps:

1. Click on the *Upload Files* tab.
2. Select the Application as *PFRD* and Application Space as *File Submission*
3. Select an XML file that conforms to the schema
4. Press the *Submit* button.

All uploaded files are available in the *Upload File History* tab after a few minutes. Files in this directory are stored for 30 days.

Once the filing has been submitted and processed, the processing results will be available for download under the *File Feedback* tab. If there are any processing errors/failures such as failures of completeness checks, those will be made available in the feedback file for firms to review.

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Filing programmatically via the FileX server

FileX is a centralized, secure file transfer service from FINRA, where customers (member firms and industry participants) can send or receive batch file(s) to FINRA Applications. FileX supports multiple access methods to send/receive files, and a customer may choose to use any of the supported access methods to transfer file(s). FINRA Entitlement process controls the account provisioning and entitlements which control access to various application sub-spaces. Sub-spaces are the locations within each application in FileX where customers can upload or download files. A detailed FileX user guide can be found here: [fileX user Guide](#) For Form PF Section 1-4, files must be uploaded to and downloaded from the directories mentioned below:

File Type	Directory on FileX server
File submission by firm	/org_id/pfrd/file_in
Feedback file by FINRA	/org_id/pfrd/file_out

File Naming convention and guidelines

- \* Firms can submit the Form PF section 1-4 submissions in XML file format.
- \* If the submitted file has any other extension, the processing will fail and feedback file with errors will be available for the firm to review.
- \* Feedback file provided by FINRA follows the naming standard as specified below: incoming filename prefix + filing id or "error"+ org\_id + form type+ timestamp.xml/json

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Schema Properties

Version	03/2025
Documentation	<p>©2025 Financial Industry Regulatory Authority, Inc. (FINRA). All rights reserved. Materials may not be reprinted or republished without the express permission of FINRA. This document contains FINRA Confidential and Proprietary information. FINRA provides this information to firms only for the firms' internal assessment or use of the Batch Filing and Data Download transfer functionality of the PFRD program. Any other use is strictly prohibited by FINRA. FINRA reserves the right to seek all injunctive and equitable relief available to it in the event FINRA Confidential or Proprietary information is released to a third party. A firm's use of this document demonstrates its acknowledgement that this document contains FINRA Confidential and Proprietary information, agreement that the firm will not reprint, republish or otherwise disclose this information to any third party and its agreement that FINRA may protect its rights, including but not limited to intellectual property rights.</p> <p>Version: Release 2025.03 (last updated 05/01/2025)</p> <p>Change History:</p> <p>10/28/2024 - New version of the draft</p> <p>fundInvestorCodeType - list of value code had spaces removed them</p> <p>NAICSCodeType - List of values were incorrect added the correct list</p> <p>10/30/2024 update:</p> <p>Question 1 add legalEntityId in firmIdentifyingInformation</p> <p>Currency list updated</p> <p>change field days1To7 to days2To7 in liquidityPercentageByPeriod object; impact question 37, 50, 53 and 64</p> <p>Question 37 - changed field names; reference liquidityPercentageByPeriod object</p> <p>Question 65 - changed repoDetail to array type; add reportingPeriodMonth field; rename ticker to CIK; add CASH in the list of collateralInvestmentCategory; add amortizedValueIncludingSponsor and amortizedValueExcludingSponsor properties in position field</p> <p>Question 85 - change data type to array</p> <p>Question 57 - reduce the field count from 4 to 3 and rename the fields in liquidityFundBorrowingDetail object</p> <p>Question 40 - change titleOrDescription to required field</p> <p>11/04/2024 update: hasPrimeBrokerageAgreement is not required</p> <p>11/14/2024 update: reportingPeriodEndDate is required</p> <p>11/19/2024 update:</p> <p>Question 65g, repoDetail. (i) - (iv) are out of array item.</p> <p>added new field fundInfo.firmCrdNumber</p> <p>Question 32(b), 32(c) and 40, assetClass fields are changed to subAssetClassAll type</p> <p>Update enumerations of investmentStrategyType, NAICSCodeType, countryType, subAssetClassWithInstrumentType, subAssetClassNoInstrumentType, subAssetClassAll</p> <p>11/22/2024 update:</p> <p>Q65(o) yield field is changed to decimal type</p> <p>Q23(a) renamed field names by removing FiscalYear and made them optional</p> <p>Added new field fundInfo.advSectionType</p> <p>12/12/2024 update:</p> <p>Some fields of section ib Item A are not required for NOC and RMV. Move them into fundInfo.detail object.</p> <p>Section 1b Item B and C are not required for NOC and RMV actions.</p> <p>reportingPeriodEndDate is not required.</p> <p>NA is allowed for Q13, Q29 and Q46(b)(vi)</p> <p>Q23 is not required</p> <p>Add OTH - Other currency</p> <p>12/17/2024 update: Q32(c) new enums subAssetClassFixedIncome for sub-asset classes</p> <p>12/19/2024 update: updated enumerations of subAssetClassNoInstrumentType, subAssetClassNoInstrumentType, subAssetClassAll</p> <p>01/14/2025 update: valueOfPositionsPeriodEnd supports NA value; backslash is removed from naics description</p> <p>01/16/2025 update:</p> <p>Allow NA value in Q23(a) and Q51(b)</p> <p>Properties unsecuredBorrowing under all unsecuredBorrowing objects are renamed to cash.</p> <p>Add type in relatedPersonsSignatureItem.email property</p> <p>Rename Q15(c) array item internalMasterPrivateFund to internalMasterPrivateFundItem</p> <p>Rename Q25 array item strategyTypeNetAssetValueAndCapital to strategyTypeNetAssetValueAndCapitalItem</p> <p>Modify Q65(m)(i) documentation</p> <p>01/24/2025 update: Q23(c)(ii) is required if Q23(c) is provided; Q23(c)(ii) month 1, 2 and 3 are required</p> <p>01/31/2025 update:</p> <p>Fix typo CPP. Globally replaced CPP to CCP in the field names.</p> <p>Add NA value in NAICSCodeType enumerations.</p> <p>02/25/2025 update:</p> <p>Split Q13 unfundedValue into 3 fields.</p> <p>Add three codes CNV_BND_NFIN_INV_GD, CNV_BND_FIN_NINV_GD, and CNV_BND_NFIN_NINV_GD in fixed income sub-class list</p> <p>02/27/2025 update: add isQualifyingHedge field in fund info.</p>

03/05/2025 update: change Q49 values from integer to decimal type.  
04/15/2025 update:  
Fix data type for signatureDate field of authorizedRepresentativeSignature and onBehalfofRelatedPersonsSignature  
Remove relevancy field in Q47  
Update documentation of Q65(g)(i); add documentation of Q65(m)(iii)  
04/21/2025 update:  
Change Q73 to Q73(a) and Q74 to Q73(b). All question numbers from 75 to 86 are reduced one accordingly.  
Change Q18 percentageUSDepositoryInstitution, percentageUSNonDepositoryInstitution, and percentageNonUSCreditors to optional  
05/01/2025 update: Update NAICS code list to include parent codes

## Global Declarations

Element: **actions**

Name	actions
Type	Locally-defined complex type
Nillable	no
Abstract	no
Documentation	Actions related to the reporting fund

### XML Instance Representation

```
<actions>
  Start All[1]
    <fundListAction> actionCode </fundListAction> [1]
  End All
</actions>
```

### Schema Component Representation

```
<xs:element name="actions">
  <xs:complexType>
    <xs:all>
      <xs:element name="fundListAction" type="actionCode" />
    </xs:all>
  </xs:complexType>
</xs:element>
```

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Element: aggregatedAssetItem

Name	aggregatedAssetItem
Type	Locally-defined complex type
Nilable	no
Abstract	no

XML Instance Representation

```
<aggregatedAssetItem>
  Start All[1]
    <fundType> fundTypeAggregatedAsset </fundType> [1]
    <regulatoryAssetsUnderManagement> xs:integer </regulatoryAssetsUnderManagement> [1]
    <netAssetsUnderManagement> xs:integer </netAssetsUnderManagement> [1]
  End All
</aggregatedAssetItem>
```

Schema Component Representation

```
<xs:element name="aggregatedAssetItem">
  <xs:complexType>
    <xs:all>
      <xs:element name="fundType" type="fundTypeAggregatedAsset"/>
      <xs:element name="regulatoryAssetsUnderManagement" type="xs:integer"/>
      <xs:element name="netAssetsUnderManagement" type="xs:integer"/>
    </xs:all>
  </xs:complexType>
</xs:element>
```

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Element: **aggregatedAssets**

Name	aggregatedAssets
Type	Locally-defined complex type
Nilable	no
Abstract	no

XML Instance Representation

```
<aggregatedAssets>
  <aggregatedAssetItem> ... </aggregatedAssetItem> [0..*]
</aggregatedAssets>
```

Schema Component Representation

```
<xs:element name="aggregatedAssets">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="aggregatedAssetItem" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

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Name	assetsFinancingInvestorConcentration
Type	Locally-defined complex type
Nilable	no
Abstract	no

XML Instance Representation

```
<assetsFinancingInvestorConcentration>
  Start All[1]

  <!-- Item B - Assets, financing and investor concentration - Q11: Gross asset value of the reporting fund as of the
end of the reporting period -->
  <grossAsset> [1]
    Start All[1]

    <!-- Item B - Assets, financing and investor concentration - Q11(a): Gross asset value of the reporting fund -
-->
    <total> assetValueType </total> [1]

    <!-- Item B - Assets, financing and investor concentration - Q11(b): If you are filing a quarterly update,
provide the reporting fund's gross asset value if available, or gross reporting fund aggregate calculated
value if the gross asset value is not available, as of the end of the first month of the reporting period -->
    <firstMonth> assetValueType </firstMonth> [0..1]

    <!-- Item B - Assets, financing and investor concentration - Q11(c): If you are filing a quarterly update,
provide the reporting fund's gross asset value if available, or gross reporting fund aggregate calculated
value if the gross asset value is not available, as of the end of the second month of the reporting period -->
    <secondMonth> assetValueType </secondMonth> [0..1]

    <!-- Item B - Assets, financing and investor concentration - Q11(d): Is the value reported in Question 11(b)
above a gross reporting fund aggregate calculated value -->
    <isValueAboveGrossAssetValueOfFirstMonth> xs:boolean </isValueAboveGrossAssetValueOfFirstMonth> [0..1]

    <!-- Item B - Assets, financing and investor concentration - Q11(e): Is the value reported in Question 11(c)
above a gross reporting fund aggregate calculated value? -->
    <isValueAboveGrossAssetValueOfSecondMonth> xs:boolean </isValueAboveGrossAssetValueOfSecondMonth> [0..1]
    End All
  </grossAsset>

  <!-- Item B - Assets, financing and investor concentration - Q12: Net asset value of the reporting fund as of the
end of the reporting period -->
  <netAsset> [1]
    Start All[1]

    <!-- Item B - Assets, financing and investor concentration - Q12(a): Net asset value of the reporting fund as
of the end of the reporting period -->
    <total> assetValueType </total> [1]

    <!-- Item B - Assets, financing and investor concentration - Q12(b): If you are filing a quarterly update,
provide the reporting fund's net asset value if available, or reporting fund aggregate calculated value if the
net asset value is not available, as of the end of the first month of the reporting period -->
    <firstMonth> assetValueType </firstMonth> [0..1]

    <!-- Item B - Assets, financing and investor concentration - Q12(c): If you are filing a quarterly update,
provide the reporting fund's net asset value if available, or reporting fund aggregate calculated value if the
net asset value is not available, as of the end of the second month of the reporting period -->
    <secondMonth> assetValueType </secondMonth> [0..1]

    <!-- Item B - Assets, financing and investor concentration - Q12(d): Is the value reported in Question 12(b)
above a net reporting fund aggregate calculated value -->
    <isValueAboveNetAssetValueOfFirstMonth> xs:boolean </isValueAboveNetAssetValueOfFirstMonth> [0..1]

    <!-- Item B - Assets, financing and investor concentration - Q12(e): Is the value reported in Question 12(c)
above a net reporting fund aggregate calculated value -->
    <isValueAboveNetAssetValueOfSecondMonth> xs:boolean </isValueAboveNetAssetValueOfSecondMonth> [0..1]
    End All
  </netAsset>

  <!-- Item B - Assets, financing and investor concentration - Q13: Value of unfunded commitments included in gross
asset value or gross reporting fund aggregate calculated value and net asset value or reporting fund aggregate
calculated value reported in Questions 11 and 12 (if the reporting fund does not contract for unfunded commitments,
enter "NA") -->
  <unfundedValue> [1]
    Start All[1]

    <total> integerNAType </total> [1]
    <firstMonth> integerNAType </firstMonth> [0..1]
    <secondMonth> integerNAType </secondMonth> [0..1]
    End All
  </unfundedValue>
</assetsFinancingInvestorConcentration>
```

```

<!-- Item B - Assets, financing and investor concentration - Q14: Provide the following information concerning the
reporting fund's activity during the reporting period -->
<fundActivities> [1]
  Start All[1]

    <!-- Item B - Assets, financing and investor concentration - Q14(a)(b): Provide the following information
    concerning the reporting fund's activity during the reporting period; required for annual filing -->
    <duringReportingPeriod> contributionWithdrawalType </duringReportingPeriod> [0..1]
    <month1> contributionWithdrawalType </month1> [0..1]
    <month2> contributionWithdrawalType </month2> [0..1]
    <month3> contributionWithdrawalType </month3> [0..1]
  End All
</fundActivities>

<!-- Item B - Assets, financing and investor concentration - Q15(a): Value of reporting fund's investments in
equity of external private funds -->
<valueOfExternalPrivateFund> xs:integer </valueOfExternalPrivateFund> [1]

<!-- Item B - Assets, financing and investor concentration - Q15(b): Check "yes" if the reporting fund is a feeder
fund in a master-feeder arrangement and complete the information below for the master fund in which this fund
invests. Otherwise, check "no." -->
<isFeederFund> xs:boolean </isFeederFund> [1]

<!-- Item B - Assets, financing and investor concentration - Q15(b)(i-iv): Details of the Masterfund -->
<masterFund> masterFundInfo </masterFund> [0..1]

<!-- Item B - Assets, financing and investor concentration - Q15(c): Check 'yes' if the reporting fund invests in
any internal private funds. Otherwise, check 'no'. -->
<hasInternalMasterPrivateFund> xs:boolean </hasInternalMasterPrivateFund> [1]

<!-- Item B - Assets, financing and investor concentration - Q15(c)(i-iv):complete the information below for each
such internal private fund.Do not complete (c)(i) through (c)(iv) for a master fund identified in (b), above -->
<internalMasterPrivateFund> [0..1]
  <internalMasterPrivateFundItem> masterFundInfo </internalMasterPrivateFundItem> [1..*]
</internalMasterPrivateFund>

<!-- Item B - Assets, financing and investor concentration - Q16: Value of all parallel managed accounts related to
the reporting fund. -->
<parallelManagedAccountsValue> xs:integer </parallelManagedAccountsValue> [1]

<!-- Item B - Assets, financing and investor concentration - Q17: What is the reporting fund's base currency? -->
<baseCurrency> currencyCodeType </baseCurrency> [0..1]

<!-- Item B - Assets, financing and investor concentration - Q17: specify any other base currency -->
<baseCurrencyOther> xs:string </baseCurrencyOther> [0..1]

<!-- Item B - Assets, financing and investor concentration - Q18: Provide the following information regarding the
value of the reporting fund's borrowings and the types of creditors -->
<borrowingsAndOtherCreditors> [0..1]
  Start All[1]

    <!-- Item B - Assets, financing and investor concentration - Q18(a): Dollar amount of total borrowings -->
    <borrowedTotalAmount> xs:integer </borrowedTotalAmount> [1]

    <!-- Item B - Assets, financing and investor concentration - Q18(b): Percentage borrowed from U.S. depository
    institutions -->
    <percentageUSDepositoryInstitution> xs:decimal </percentageUSDepositoryInstitution> [0..1]

    <!-- Item B - Assets, financing and investor concentration -Q18(c): Percentage borrowed from U.S. creditors
    that are not U.S. depository institutions -->
    <percentageUSNonDepositoryInstitution> xs:decimal </percentageUSNonDepositoryInstitution> [0..1]

    <!-- Item B - Assets, financing and investor concentration - Q18(d): Percentage borrowed from non-U.S.
    creditors -->
    <percentageNonUSCreditors> xs:decimal </percentageNonUSCreditors> [0..1]
  End All
</borrowingsAndOtherCreditors>

<!-- Item B - Assets, financing and investor concentration - Q19(a): Does the reporting fund have any outstanding
derivatives positions? -->
<hasOutstandingDerivativesPositions> xs:boolean </hasOutstandingDerivativesPositions> [1]

<!-- Item B - Assets, financing and investor concentration - Q19(b): If you responded "yes" to Question 19(a),
provide the aggregate value of all derivatives positions of the reporting fund -->
<aggregateDerivativesPositionsValue> xs:integer </aggregateDerivativesPositionsValue> [0..1]

```

```

<!-- Item B - Assets, financing and investor concentration - Q20: Provide a summary of the reporting fund's assets
and liabilities categorized using the hierarchy below and indicate the date as of which this categorization was
performed. For assets and liabilities that you report internally and to current and prospective investors as
representing fair value, or for which you are required to determine fair value in order to report the reporting
fund's regulatory assets under management on Form ADV, categorize them into the following categories based on the
valuation assumptions utilized -->
<fundAssetsAndLiabilities> [0..1]
  Start All[1]
    <date> xs:date </date> [1]
    <assetsValue> [0..1]
      Start All[1]
        <fairValueLevel1AssetsValue> xs:integer </fairValueLevel1AssetsValue> [0..1]
        <fairValueLevel2AssetsValue> xs:integer </fairValueLevel2AssetsValue> [0..1]
        <fairValueLevel3AssetsValue> xs:integer </fairValueLevel3AssetsValue> [0..1]
        <costBasedAssetsValue> xs:integer </costBasedAssetsValue> [0..1]
        <cashAssetsValue> xs:integer </cashAssetsValue> [0..1]
      End All
    </assetsValue>
    <liabilitiesValue> [0..1]
      Start All[1]
        <fairValueLevel1LiabilitiesValue> xs:integer </fairValueLevel1LiabilitiesValue> [0..1]
        <fairValueLevel2LiabilitiesValue> xs:integer </fairValueLevel2LiabilitiesValue> [0..1]
        <fairValueLevel3LiabilitiesValue> xs:integer </fairValueLevel3LiabilitiesValue> [0..1]
        <costBasedLiabilitiesValue> xs:integer </costBasedLiabilitiesValue> [0..1]
        <cashLiabilitiesValue> xs:integer </cashLiabilitiesValue> [0..1]
      End All
    </liabilitiesValue>
  End All
</fundAssetsAndLiabilities>

<!-- Item B - Assets, financing and investor concentration - Q21: Specify the approximate percentage of the
reporting fund's equity that is beneficially owned by the five beneficial owners having the largest equity
interests in the reporting fund -->
<beneficiallyOwnedEquityByTop5Owners> xs:decimal </beneficiallyOwnedEquityByTop5Owners> [1]

<!-- Item B - Assets, financing and investor concentration - Q22: Specify the approximate percentage of the
reporting fund's equity that is beneficially owned by the following groups of investors. If you select "other,"
describe in Question 4 the type of investor, why it would not qualify for any of the other groups, and any other
information to explain your selection -->
<beneficiallyOwnedEquityByInvestors> [1]
  <beneficiallyOwnedEquityByInvestor> beneficiallyOwnedEquityByInvestorsItem </beneficiallyOwnedEquityByInvestor>
  [1..*]
</beneficiallyOwnedEquityByInvestors>
End All
</assetsFinancingInvestorConcentration>

```

## Schema Component Representation

```

<xs:element name="assetsFinancingInvestorConcentration">
  <xs:complexType>
    <xs:all>
      <xs:element name="grossAsset">
        <xs:complexType>
          <xs:all>
            <xs:element name="total" type="assetValueType"/>
            <xs:element name="firstMonth" type="assetValueType" minOccurs="0" maxOccurs="1"/>
            <xs:element name="secondMonth" type="assetValueType" minOccurs="0" maxOccurs="1"/>
            <xs:element name="isValueAboveGrossAssetValueOfFirstMonth" type="xs:boolean" minOccurs="0"
maxOccurs="1"/>
            <xs:element name="isValueAboveGrossAssetValueOfSecondMonth" type="xs:boolean" minOccurs="0"
maxOccurs="1"/>
          </xs:all>
        </xs:complexType>
      </xs:element>
      <xs:element name="netAsset">
        <xs:complexType>
          <xs:all>
            <xs:element name="total" type="assetValueType"/>
            <xs:element name="firstMonth" type="assetValueType" minOccurs="0" maxOccurs="1"/>
            <xs:element name="secondMonth" type="assetValueType" minOccurs="0" maxOccurs="1"/>
            <xs:element name="isValueAboveNetAssetValueOfFirstMonth" type="xs:boolean" minOccurs="0" maxOccurs="1"/>
            <xs:element name="isValueAboveNetAssetValueOfSecondMonth" type="xs:boolean" minOccurs="0" maxOccurs="1"/>
          </xs:all>
        </xs:complexType>
      </xs:element>
      <xs:element name="unfundedValue">
        <xs:complexType>
          <xs:all>
            <xs:element name="total" type="integerNAType"/>
            <xs:element name="firstMonth" type="integerNAType" minOccurs="0" maxOccurs="1"/>
            <xs:element name="secondMonth" type="integerNAType" minOccurs="0" maxOccurs="1"/>

```



```

</xs:all>
</xs:complexType>
</xs:element>
<xs:element name="fundActivities">
  <xs:complexType>
    <xs:all>
      <xs:element name="duringReportingPeriod" type="contributionWithdrawalType" minOccurs="0" maxOccurs="1"/>
      <xs:element name="month1" type="contributionWithdrawalType" minOccurs="0" maxOccurs="1"/>
      <xs:element name="month2" type="contributionWithdrawalType" minOccurs="0" maxOccurs="1"/>
      <xs:element name="month3" type="contributionWithdrawalType" minOccurs="0" maxOccurs="1"/>
    </xs:all>
  </xs:complexType>
</xs:element>
<xs:element name="valueOfExternalPrivateFund" type="xs:integer"/>
<xs:element name="isFeederFund" type="xs:boolean"/>
<xs:element name="masterFund" type="masterFundInfo" minOccurs="0" maxOccurs="1"/>
<xs:element name="hasInternalMasterPrivateFund" type="xs:boolean"/>
<xs:element name="internalMasterPrivateFund" minOccurs="0" maxOccurs="1">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="internalMasterPrivateFundItem" type="masterFundInfo" minOccurs="1"
        maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="parallelManagedAccountsValue" type="xs:integer"/>
<xs:element name="baseCurrency" type="currencyCodeType" minOccurs="0" maxOccurs="1"/>
<xs:element name="baseCurrencyOther" type="xs:string" minOccurs="0" maxOccurs="1"/>
<xs:element name="borrowingsAndOtherCreditors" minOccurs="0" maxOccurs="1">
  <xs:complexType>
    <xs:all>
      <xs:element name="borrowedTotalAmount" type="xs:integer"/>
      <xs:element name="percentageUSDepositoryInstitution" type="xs:decimal" minOccurs="0" maxOccurs="1"/>
      <xs:element name="percentageUSNonDepositoryInstitution" type="xs:decimal" minOccurs="0" maxOccurs="1"/>
      <xs:element name="percentageNonUSCreditors" type="xs:decimal" minOccurs="0" maxOccurs="1"/>
    </xs:all>
  </xs:complexType>
</xs:element>
<xs:element name="hasOutstandingDerivativesPositions" type="xs:boolean"/>
<xs:element name="aggregateDerivativesPositionsValue" type="xs:integer" minOccurs="0" maxOccurs="1"/>
<xs:element name="fundAssetsAndLiabilities" minOccurs="0" maxOccurs="1">
  <xs:complexType>
    <xs:all>
      <xs:element name="date" type="xs:date"/>
      <xs:element name="assetsValue" minOccurs="0" maxOccurs="1">
        <xs:complexType>
          <xs:all>
            <xs:element name="fairValueLevel1AssetsValue" type="xs:integer" minOccurs="0" maxOccurs="1"/>
            <xs:element name="fairValueLevel2AssetsValue" type="xs:integer" minOccurs="0" maxOccurs="1"/>
            <xs:element name="fairValueLevel3AssetsValue" type="xs:integer" minOccurs="0" maxOccurs="1"/>
            <xs:element name="costBasedAssetsValue" type="xs:integer" minOccurs="0" maxOccurs="1"/>
            <xs:element name="cashAssetsValue" type="xs:integer" minOccurs="0" maxOccurs="1"/>
          </xs:all>
        </xs:complexType>
      </xs:element>
      <xs:element name="liabilitiesValue" minOccurs="0" maxOccurs="1">
        <xs:complexType>
          <xs:all>
            <xs:element name="fairValueLevel1LiabilitiesValue" type="xs:integer" minOccurs="0"
              maxOccurs="1"/>
            <xs:element name="fairValueLevel2LiabilitiesValue" type="xs:integer" minOccurs="0"
              maxOccurs="1"/>
            <xs:element name="fairValueLevel3LiabilitiesValue" type="xs:integer" minOccurs="0"
              maxOccurs="1"/>
            <xs:element name="costBasedLiabilitiesValue" type="xs:integer" minOccurs="0" maxOccurs="1"/>
            <xs:element name="cashLiabilitiesValue" type="xs:integer" minOccurs="0" maxOccurs="1"/>
          </xs:all>
        </xs:complexType>
      </xs:element>
    </xs:all>
  </xs:complexType>
</xs:element>
<xs:element name="beneficiallyOwnedEquityByTop5Owners" type="xs:decimal"/>
<xs:element name="beneficiallyOwnedEquityByInvestors">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="beneficiallyOwnedEquityByInvestor" type="beneficiallyOwnedEquityByInvestorsItem"
        minOccurs="1" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>

```

```
        </xs:element>
      </xs:all>
    </xs:complexType>
  </xs:element>
```

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Element: **authorizedRepresentativeSignature**

Name	authorizedRepresentativeSignature
Type	Locally-defined complex type
Nilable	no
Abstract	no

XML Instance Representation

```
<authorizedRepresentativeSignature>
  Start All[1]
    <name> xs:string </name> [1]
    <signature> xs:string </signature> [1]
    <signatureTitle> xs:string </signatureTitle> [1]
    <email> xs:string </email> [1]
    <phoneNumber> xs:string </phoneNumber> [1]
    <signatureDate> xs:date </signatureDate> [1]
  End All
</authorizedRepresentativeSignature>
```

Schema Component Representation

```
<xs:element name="authorizedRepresentativeSignature">
  <xs:complexType>
    <xs:all>
      <xs:element name="name" type="xs:string"/>
      <xs:element name="signature" type="xs:string"/>
      <xs:element name="signatureTitle" type="xs:string"/>
      <xs:element name="email" type="xs:string"/>
      <xs:element name="phoneNumber" type="xs:string"/>
      <xs:element name="signatureDate" type="xs:date"/>
    </xs:all>
  </xs:complexType>
</xs:element>
```

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Element: feederFund

Name	feederFund
Type	Locally-defined complex type
Nilable	no
Abstract	no
Documentation	Q7(a) Feeder fund Information

XML Instance Representation

```
<feederFund>
  Start All[1]

  <!-- Q7(a)(i): Name of feeder fund -->
  <name> xs:string </name> [1]

  <!-- Q7(a)(ii): Private fund identification number of the feeder fund -->
  <fundId> xs:string </fundId> [1]

  <!-- Q7(a)(iii): Is the feeder fund a separate reporting fund? If so, check "yes," below. If the feeder fund is a
  "disregarded" feeder fund in accordance with Instruction 6, check "no." -->
  <isSeparateFund> xs:boolean </isSeparateFund> [1]

  End All
</feederFund>
```

Schema Component Representation

```
<xs:element name="feederFund">
  <xs:complexType>
    <xs:all>
      <xs:element name="name" type="xs:string"/>
      <xs:element name="fundId" type="xs:string"/>
      <xs:element name="isSeparateFund" type="xs:boolean"/>
    </xs:all>
  </xs:complexType>
</xs:element>
```

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Element: **filingType**

Name	filingType
Type	Locally-defined simple type
Nullable	no
Abstract	no

XML Instance Representation

```
<filingType> xs:string (value comes from list: {'PF-INIT' | 'PF-AMEND' | 'PF-UPDATING' | 'PF-FINAL' | 'PF-TRANS'})
</filingType>
```

Schema Component Representation

```
<xs:element name="filingType">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="PF-INIT"/>
      <xs:enumeration value="PF-AMEND"/>
      <xs:enumeration value="PF-UPDATING"/>
      <xs:enumeration value="PF-FINAL"/>
      <xs:enumeration value="PF-TRANS"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

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Element: **firmIdentifyingInformation**

Name	firmIdentifyingInformation
Type	Locally-defined complex type
Nilable	no
Abstract	no

XML Instance Representation

```
<firmIdentifyingInformation>
  Start All[1]
    <nfaId> xs:string </nfaId> [0..1]
    <largeTraderId> xs:string </largeTraderId> [0..1]
    <largeTraderSffx> xs:string </largeTraderSffx> [0..1]
    <legalEntityId> xs:string </legalEntityId> [0..1]
  End All
</firmIdentifyingInformation>
```

Schema Component Representation

```
<xs:element name="firmIdentifyingInformation">
  <xs:complexType>
    <xs:all>
      <xs:element name="nfaId" type="xs:string" minOccurs="0" maxOccurs="1"/>
      <xs:element name="largeTraderId" type="xs:string" minOccurs="0" maxOccurs="1"/>
      <xs:element name="largeTraderSffx" type="xs:string" minOccurs="0" maxOccurs="1"/>
      <xs:element name="legalEntityId" type="xs:string" minOccurs="0" maxOccurs="1"/>
    </xs:all>
  </xs:complexType>
</xs:element>
```

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Element: fund

Name	fund
Type	Locally-defined complex type
Nilable	no
Abstract	no

XML Instance Representation

```
<fund>
  Start All[1]

  <!-- Indicate if a fund and/or its sections is updated/not updated/removed in the filing -->
  <actions> ... </actions> [1]

  <!-- section 1b Item A fund information -->
  <fundInfo> ... </fundInfo> [1]

  <!-- Section 1b item B - fund specific info applicable for all fund types -->
  <assetsFinancingInvestorConcentration> ... </assetsFinancingInvestorConcentration> [0..1]

  <!-- Section 1b item C - each fund info applicable for all fund types -->
  <performance> ... </performance> [0..1]

  <!-- Section 1c - each fund info applicable for hedge type fund only -->
  <hedge1c> ... </hedge1c> [0..1]

  <!-- Section 2 large hedge fund -->
  <hedge2> ... </hedge2> [0..1]

  <!-- Section 3 liquidity fund -->
  <liquidityFund> ... </liquidityFund> [0..1]

  <!-- Section 4 - each fund info applicable for private equity data for funds -->
  <privateEquity> ... </privateEquity> [0..1]

  End All
</fund>
```

Schema Component Representation

```
<xs:element name="fund">
  <xs:complexType>
    <xs:all>
      <xs:element ref="actions"/>
      <xs:element ref="fundInfo"/>
      <xs:element ref="assetsFinancingInvestorConcentration" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="performance" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="hedge1c" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="hedge2" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="liquidityFund" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="privateEquity" minOccurs="0" maxOccurs="1"/>
    </xs:all>
  </xs:complexType>
</xs:element>
```

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Name	fundInfo
Type	Locally-defined complex type
Nilable	no
Abstract	no
Documentation	Section 1B - Item A Fund Information

XML Instance Representation

```
<fundInfo>
  Start All[1]

  <!-- Item A - Reporting fund identifying information - Q5(a): Name of the reporting fund -->
  <name> xs:string </name> [1]

  <!-- Item A - Reporting fund identifying information - Q5(b): Private fund identification number of the reporting fund -->
  <fundId> xs:string </fundId> [1]

  <!-- Item A - Reporting fund identifying information - Q5(c): NFA identification number of the reporting fund, if applicable -->
  <nfaId> xs:string </nfaId> [0..1]

  <!-- Item A - Reporting fund identifying information - Q5(d): LEI of the reporting fund, if any -->
  <legalEntityId> xs:string </legalEntityId> [0..1]

  <!-- Item A - Reporting fund identifying information - Q6(a): For purposes of reporting on this Form PF, what type of fund is the reporting fund -->
  <fundType> fundType </fundType> [1]

  <!-- Item A - Reporting fund identifying information - Q6(a): Is the fund a qualifying hedge fund? Required only for HEDGE fund type. -->
  <isQualifyingHedge> xs:boolean </isQualifyingHedge> [0..1]

  <!-- Item A - Reporting fund identifying information Was this fund reported on any firms Form ADV in the 7B(1) or 7B(2) -->
  <isPriorADVFund> xs:boolean </isPriorADVFund> [1]

  <!-- Item A - Reporting fund identifying information - Q6(b): Is the reporting fund a commodity pool? -->
  <isCommodityPool> xs:boolean </isCommodityPool> [1]

  <!-- CRD number of filing firm or registered related persons
  Needed for those funds isPriorADVFund=false and isCommodityPool=false, if any.
  -->
  <firmCrdNumber> xs:integer </firmCrdNumber> [0..1]

  <!-- ADV Section Type for ADV funds, 7.B.(1) or 7.B.(2), if any.
  -->
  <advSectionType> xs:string (value comes from list: {'7.B.(1)' | '7.B.(2)'}) </advSectionType> [0..1]

  <!-- Q6(c) to Q10 - not required for NOC and RMV actions -->
  <detail> [0..1]
    Start All[1]

    <!-- Item A - Reporting fund identifying information - Q6(c): Does the reporting fund operate as a UCITS -->
    <isFundUcits> xs:boolean </isFundUcits> [1]

    <!-- Q6(d): If you checked yes in (c), in what countries does the reporting fund operate as a UCITS -->
    <countriesUcits> [0..1]
      <country> countryType </country> [1..*]
    </countriesUcits>

    <!-- Q6(f): Does the reporting fund operate as an AIF? -->
    <isFundAif> xs:boolean </isFundAif> [1]

    <!-- Item A - Reporting fund identifying information - 6.(f) If you checked yes in (e), in what countries does the reporting fund operate as an AIF? -->
    <countriesAif> [0..1]
      <country> countryType </country> [1..*]
    </countriesAif>

    <!-- Item A - Reporting fund identifying information - Q6(g): Does the reporting fund offer itself as a money market fund outside the United States -->
    <isMoneyMarketFundNonUS> xs:boolean </isMoneyMarketFundNonUS> [1]

    <!-- Item A - Reporting fund identifying information - Q6(h): If you checked yes in (g), in what countries does the reporting fund offer itself as a money market fund -->
    <moneyMarketFundCountries> [0..1]
      <country> countryType </country> [1..*]
    </moneyMarketFundCountries>

    <!-- Item A - Reporting fund identifying information - Q7(a) Is the reporting fund the master fund of a master-feeder arrangement? If so, check "yes" below, and complete (i) and (ii) for each feeder fund. Otherwise, check "no." See Instructions 5, 6, and 7 for information on treatment of master-feeder arrangements -->
    <isMasterFund> xs:boolean </isMasterFund> [1]
```



```

<!-- Item A - Reporting fund identifying information - Q7(a)(i-iii)Add feeder fund details -->
<feederFunds> [0..1]
  <feederFund> ... </feederFund> [1..*]
</feederFunds>

<!-- Item A - Reporting fund identifying information - Q7(b)Do any internal private funds (other than the
feeder funds identified in (a) above) invest in the reporting fund? If so, check "yes" and complete (i), (ii),
and (iii) for each such internal private fund. Otherwise, check "no." -->
<hasInternalPrivateFund> xs:boolean </hasInternalPrivateFund> [1]

<!-- Item A - Reporting fund identifying information - Q7(b)(i-iii)Add internal private fund details -->
<internalPrivateFunds> [0..1]
  <internalPrivateFund> ... </internalPrivateFund> [1..*]
</internalPrivateFunds>

<!-- Item A - Reporting fund identifying information - Q8(a): Is the reporting fund a component of a parallel
fund structure? If so, check "yes" below. Otherwise, check "no." (See Instructions 5 and 6 for information
regarding the treatment of parallel funds.) -->
<isParallelFund> xs:boolean </isParallelFund> [1]

<!-- Item A - Reporting fund identifying information - Q8(b): Add Parallel funds (Parallel private fund list
must have at least one element if 'Yes' is selected for Question 8(a).
) -->
<parallelFunds> [0..1]
  <parallelFund> ... </parallelFund> [1..*]
</parallelFunds>

<!-- Item A - Reporting fund identifying information - Q9 If the reporting fund holds assets, incurs leverage
or conducts trading or other activities through a trading vehicle, provide the following information about
each trading vehicle) -->
<tradingVehicles> [0..1]
  <tradingVehicle> ... </tradingVehicle> [0..*]
</tradingVehicles>

<!-- Item A - Reporting fund identifying information - Q10: reporting fund Withdrawal Redemption Information;
if applicable -->
<withdrawalRedemption> [1]
  Start All[1]

    <!-- Item A - Reporting fund identifying information - Q10(a): Is the reporting fund an open-end private
fund; (If you responded "no" to both question 10(a) and question 10(b), please provide a detailed
explanation in question 4.) -->
    <isOpenEndPrivateFund> xs:boolean </isOpenEndPrivateFund> [1]

    <!-- Item A - Reporting fund identifying information - Q10(b): Is the reporting fund a closed-end private
fund -->
    <isClosedEndPrivateFund> xs:boolean </isClosedEndPrivateFund> [1]

    <!-- Item A - Reporting fund identifying information - Q10(c): If you responded "yes" to 10(a), indicate
whether withdrawals/redemptions are permitted most commonly (i.e. with respect to most investors)
(regardless of whether there are notice requirements, "gates," lock-ups, or other restrictions on
withdrawals/redemptions) -->
    <withdrawalRedemptionTerm> withdrawalRedemptionTermType </withdrawalRedemptionTerm> [0..1]

    <!-- Item A - Reporting fund identifying information - Q10(d): If you responded "yes" to 10(a), indicate,
as of the data reporting date, what percentage of the reporting fund's net asset value, if any -->
    <navPercentageOfSuspensionOrRestrictions> navPercentageOfSuspensionOrRestrictionsType
    </navPercentageOfSuspensionOrRestrictions> [0..1]
  End All
</withdrawalRedemption>
End All
</detail>
End All
</fundInfo>

```

## Schema Component Representation

```

<xs:element name="fundInfo">
  <xs:complexType>
    <xs:all>
      <xs:element name="name" type="xs:string"/>
      <xs:element name="fundId" type="xs:string"/>
      <xs:element name="nfaId" type="xs:string" minOccurs="0" maxOccurs="1"/>
      <xs:element name="legalEntityId" type="xs:string" minOccurs="0" maxOccurs="1"/>
      <xs:element name="fundType" type="fundType"/>
      <xs:element name="isQualifyingHedge" type="xs:boolean" minOccurs="0" maxOccurs="1"/>
      <xs:element name="isPriorADVFund" type="xs:boolean"/>
      <xs:element name="isCommodityPool" type="xs:boolean"/>
      <xs:element name="firmCrdNumber" type="xs:integer" minOccurs="0" maxOccurs="1"/>
      <xs:element name="advSectionType" minOccurs="0" maxOccurs="1">
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:enumeration value="7.B.(1)"/>
            <xs:enumeration value="7.B.(2)"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:all>
  </xs:complexType>
</xs:element>

```

```

</xs:element>
<xs:element name="detail" minOccurs="0" maxOccurs="1">
  <xs:complexType>
    <xs:all>
      <xs:element name="isFundUcits" type="xs:boolean"/>
      <xs:element name="countriesUcits" minOccurs="0" maxOccurs="1">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="country" type="countryType" minOccurs="1" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="isFundAif" type="xs:boolean"/>
      <xs:element name="countriesAif" minOccurs="0" maxOccurs="1">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="country" type="countryType" minOccurs="1" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="isMoneyMarketFundNonUS" type="xs:boolean"/>
      <xs:element name="moneyMarketFundCountries" minOccurs="0" maxOccurs="1">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="country" type="countryType" minOccurs="1" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="isMasterFund" type="xs:boolean"/>
      <xs:element name="feederFunds" minOccurs="0" maxOccurs="1">
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="feederFund" minOccurs="1" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="hasInternalPrivateFund" type="xs:boolean"/>
      <xs:element name="internalPrivateFunds" minOccurs="0" maxOccurs="1">
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="internalPrivateFund" minOccurs="1" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="isParallelFund" type="xs:boolean"/>
      <xs:element name="parallelFunds" minOccurs="0" maxOccurs="1">
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="parallelFund" minOccurs="1" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="tradingVehicles" minOccurs="0" maxOccurs="1">
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="tradingVehicle" minOccurs="0" maxOccurs="unbounded"/>
          </xs:sequence>
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Name	hedge1c
Type	Locally-defined complex type
Nilable	no
Abstract	no

XML Instance Representation

```
<hedge1c>
  Start All[1]

  <!-- Item B - Certain information regarding the reporting fund - Q25: Indicate which of the investment strategies
  best describe the reporting fund's strategies on the last day of the reporting period. For each strategy that you
  have selected, provide a good faith estimate of the percentage of the reporting fund's net asset value represented
  by that strategy. If, in your view, the reporting fund's allocation among strategies is appropriately represented
  by the percentage of deployed capital, you may also provide that information -->
  <strategyTypeNetAssetValueAndCapital> [1]
    <strategyTypeNetAssetValueAndCapitalItem> [1..*]
      Start All[1]
        <strategyType> investmentStrategyType </strategyType> [1]
        <percentageNetAssetValue> xs:decimal </percentageNetAssetValue> [1]
        <percentageCapital> xs:decimal </percentageCapital> [0..1]
      End All
    </strategyTypeNetAssetValueAndCapitalItem>
  </strategyTypeNetAssetValueAndCapital>

  <!-- Item B - Certain information regarding the reporting fund - Q26: Consolidated Counterparty Exposure Table; Not
  required if section 2 question 41 is answered -->
  <consolidatedCounterpartyExposure> [0..1]
    Start All[1]
      <hasPrimeBrokerageAgreement> xs:boolean </hasPrimeBrokerageAgreement> [0..1]
      <exposure> hedge1cCounterpartyExposureBreakdown </exposure> [0..1]
    End All
  </consolidatedCounterpartyExposure>

  <!-- Item B - Certain information regarding the reporting fund - Q27: Identify each creditor or other counterparty
  (including CCPs) to which the reporting fund owed an amount in respect of cash borrowing entries(before posted
  collateral) which is equal to or greater than either (1) 5% of net asset value as of the data reporting date, or
  (2) $1 billion. If there are more than five such counterparties, report the five counterparties to which the
  reporting fund owed the largest dollar amount in cash borrowing entries before taking into account collateral
  posted by the reporting fund. (You are not required to complete this question if the reporting fund is a qualifying
  hedge fund and you complete Question 42 in Section 2) -->
  <top5CreditorCounterpartyExposure> [0..1]
    <counterparty> creditorCounterpartyExposure </counterparty> [0..5]
  </top5CreditorCounterpartyExposure>

  <!-- Item B - Certain information regarding the reporting fund - Q28: Provide the following information for
  counterparties to which the reporting fund had net mark to market counterparty credit exposure, after taking into
  account collateral received or posted by the reporting fund, which is equal to or greater than either (1) 5% of the
  reporting fund's net asset value as of the data reporting date, or (2) $1 billion. Include CCPs or other third
  parties holding collateral posted by the reporting fund in respect of cleared exposures (including tri-party repo).
  If there are more than five such counterparties, report the five to which the reporting fund had the greatest mark
  to market exposure after taking into account collateral. (You are not required to complete this question if the
  reporting fund is a qualifying hedge fund and you complete Question 43 in Section 2) -->
  <top5DebtorCounterpartyExposure> [0..1]
    <counterparty> debtorCounterpartyExposure </counterparty> [0..5]
  </top5DebtorCounterpartyExposure>
```

```

<!-- Item B - Certain information regarding the reporting fund - Q29: Provide the following information regarding
your use of trading and clearing mechanisms during the reporting period -->
<tradingAndClearing> [1]
  Start All[1]

  <!-- Q29(a): securities (other than derivatives) that were traded by the reporting fund -->
  <securitiesTraded> [1]
    Start All[1]
    <regulatedExchange> tradingAndClearingItems </regulatedExchange> [1]
    <otc> tradingAndClearingItems </otc> [1]
    End All
  </securitiesTraded>

  <!-- Q29(b): interest rate derivatives that were traded by the reporting fund -->
  <interestRateDerivativesTraded> [1]
    Start All[1]
    <regulatedExchange> tradingAndClearingItems </regulatedExchange> [1]
    <otcClearedbyCCP> tradingAndClearingItems </otcClearedbyCCP> [1]
    <otcNotClearedByCCP> tradingAndClearingItems </otcNotClearedByCCP> [1]
    End All
  </interestRateDerivativesTraded>

  <!-- Q29(c): derivatives (other than interest rate derivatives) that were traded by the reporting fund -->
  <otherDerivativesTraded> [1]
    Start All[1]
    <regulatedExchange> tradingAndClearingItems </regulatedExchange> [1]
    <otcClearedbyCCP> tradingAndClearingItems </otcClearedbyCCP> [1]
    <otcNotClearedByCCP> tradingAndClearingItems </otcNotClearedByCCP> [1]
    End All
  </otherDerivativesTraded>

  <!-- Q29(d): repo/reverse repo trades that were entered into by the reporting fund -->
  <repoTrades> [0..1]
    Start All[1]
    <clearedbyCCPOtherThanSponsoredRepo> tradingAndClearingItems </clearedbyCCPOtherThanSponsoredRepo> [1]
    <clearedbyCCPSponsoredRepo> tradingAndClearingItems </clearedbyCCPSponsoredRepo> [1]
    <bilaterallyTransacted> tradingAndClearingItems </bilaterallyTransacted> [1]
    <tripartyRepoNotClearedByCCP> tradingAndClearingItems </tripartyRepoNotClearedByCCP> [1]
    End All
  </repoTrades>
End All
</tradingAndClearing>

<!-- Item B - Certain information regarding the reporting fund - Q30: For transactions of the reporting fund that
are not described in any of the categories listed in items (a) through (d) of Question 29 -->
<otherTransactions> tradingAndClearingItems </otherTransactions> [0..1]
End All
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## Schema Component Representation

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[Table of Contents](#)

Name	hedge2
Type	Locally-defined complex type
Nilable	no
Abstract	no

XML Instance Representation

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  Start All[1]
  <!-- Item B - Reporting fund exposures and trading -->
  <exposuresAndTrading> [1]
    Start All[1]
      <!-- Item B - Reporting fund exposures and trading - Q32(a)(i) Report the dollar value of long positions and
      the dollar value of short positions in each sub-asset class by instrument type -->
      <assetExposure1> [1]
        <assetExposure1Item> exposureByAssetAndInstrument </assetExposure1Item> [0..*]
      </assetExposure1>
      <!-- Item B - Reporting fund exposures and trading - Q32(a)(ii) Report the dollar value of long positions and
      the dollar value of short positions for the sub-asset class (not by instrument type) for these sub-asset
      classes -->
      <assetExposure2> [1]
        <assetExposure2Item> exposureByAsset </assetExposure2Item> [0..*]
      </assetExposure2>
      <!-- Item B - Reporting fund exposures and trading - Q32(b)(i) For each sub-asset class in which the reporting
      fund held relevant positions, calculate the adjusted exposure of long and short positions by netting positions
      in the same underlying reference asset across instrument type, and for fixed income assets, within the same
      term, using the following maturity buckets: 0-1 year, 1-2 year, 2-5 year, 5-10 year, 10-15 year, 15-20 year,
      and 20+ year -->
      <assetAdjustedExposure1> [1]
        <assetAdjustedExposure1Item> adjustedExposureByAsset </assetAdjustedExposure1Item> [0..*]
      </assetAdjustedExposure1>
      <!-- Item B - Reporting fund exposures and trading - Q32(b)(ii) If, under your methodologies for internal
      reporting and reporting to investors, you do not net all positions across all instrument types in monitoring
      the economic exposure of the reporting fund's investment positions, you must also (i) report adjusted exposure
      for each subasset class calculated using your internal methodologies, and (ii) describe in Question 4 how your
      internal methodologies differ from the calculations required by subsection (b)(1) -->
      <assetAdjustedExposure2> [0..1]
        <assetAdjustedExposure2Item> adjustedExposureByAsset </assetAdjustedExposure2Item> [0..*]
      </assetAdjustedExposure2>
      <!-- Item B - Reporting fund exposures and trading - Q32(c) Interest rate risk (10-year bond equivalent). For
      sub-asset classes with interest rate risk, report the 10-year bond equivalent of the sub-asset class long
      position dollar value and short position dollar value (by instrument type, if applicable) and adjusted
      exposure. Report 10-year bond equivalent as a long value for positions that have a gain when rates decline,
      and as a short value for positions that have a loss when rates decline -->
      <assetExposureInterestRateRisk> [0..1]
        <assetExposureInterestRateRiskItem> exposureInterestRateRisk </assetExposureInterestRateRiskItem> [0..*]
      </assetExposureInterestRateRisk>
      <!-- Item B - Reporting fund exposures and trading - Q33(a) For each month of the reporting period, report the
      net long value and net short value of the reporting fund's currency exposure arising from foreign exchange
      derivatives and all other assets and liabilities of the reporting fund that are denominated in a currency
      other than the reporting fund's base currency -->
      <currencyExposure> [0..1]
        <currencyExposureItem> exposureByCurrency </currencyExposureItem> [0..*]
      </currencyExposure>
      <!-- Item B - Reporting fund exposures and trading - Q33(b)For each month of the reporting period, identify
      each currency to which the reporting fund has long dollar value or short dollar value exposure equal to or
      exceeding either (1) 5% of the reporting fund's net asset value or (2) $1 billion and report the long dollar
      value and short dollar value of this exposure in U.S. dollars -->
      <currencyExposure5PercentOr1Billion> [0..1]
        <currencyExposureItem> exposureByCurrency </currencyExposureItem> [0..*]
      </currencyExposure5PercentOr1Billion>
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```

<!-- Item B - Reporting fund exposures and trading - Q34 For each month of the reporting period, provide the
value of turnover during the month in each of the asset classes listed below for the reporting fund -->
<turnover> [1]
  Start All[1]
    <listedEquity> turnoverByAssetItem </listedEquity> [0..1]
    <corporateBonds> turnoverByAssetItem </corporateBonds> [0..1]
    <convertibleBonds> turnoverByAssetItem </convertibleBonds> [0..1]
    <sovereignAndMunicipalBonds> [0..1]
      Start All[1]
        <usTreasuryBills> turnoverByAssetItem </usTreasuryBills> [0..1]
        <usTreasuryNotesAndBonds> turnoverByAssetItem </usTreasuryNotesAndBonds> [0..1]
        <agencySecurities> turnoverByAssetItem </agencySecurities> [0..1]
        <gseBonds> turnoverByAssetItem </gseBonds> [0..1]
        <sovereignBondsG10Countries> turnoverByAssetItem </sovereignBondsG10Countries> [0..1]
        <otherSovereignBonds> turnoverByAssetItem </otherSovereignBonds> [0..1]
        <usStateAndLocalBonds> turnoverByAssetItem </usStateAndLocalBonds> [0..1]
      End All
    </sovereignAndMunicipalBonds>
    <listedEquityDerivatives> turnoverByAssetItem </listedEquityDerivatives> [0..1]
    <interestRateDerivatives> [0..1]
      Start All[1]
        <usDollars> [0..1]
          Start All[1]
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            <swaps> turnoverByAssetItem </swaps> [0..1]
            <options> turnoverByAssetItem </options> [0..1]
            <otherDerivativeInstrumentTypes> turnoverByAssetItem </otherDerivativeInstrumentTypes> [0..1]
          End All
        </usDollars>
        <nonUsCurrencies> [0..1]
          Start All[1]
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            <options> turnoverByAssetItem </options> [0..1]
            <otherDerivativeInstrumentTypes> turnoverByAssetItem </otherDerivativeInstrumentTypes> [0..1]
          End All
        </nonUsCurrencies>
      End All
    </interestRateDerivatives>
    <foreignExchangeDerivatives> [0..1]
      Start All[1]
        <swaps> turnoverByAssetItem </swaps> [0..1]
        <options> turnoverByAssetItem </options> [0..1]
        <otherInstrumentTypes> turnoverByAssetItem </otherInstrumentTypes> [0..1]
      End All
    </foreignExchangeDerivatives>
    <derivativeUsTreasurySecurities> turnoverByAssetItem </derivativeUsTreasurySecurities> [0..1]
    <derivativeG10CountryBonds> turnoverByAssetItem </derivativeG10CountryBonds> [0..1]
    <derivativeOtherSovereignBonds> turnoverByAssetItem </derivativeOtherSovereignBonds> [0..1]
    <otherDerivatives> turnoverByAssetItem </otherDerivatives> [0..1]
  End All
</turnover>

<!-- Item B - Reporting fund exposures and trading - Q35 For each month of the reporting period, identify by
ISO country code, each country to which the reporting fund has long dollar value or short dollar value
exposure equal or exceeding either (1) 5% of the reporting fund's net asset value or (2) $1 billion., and
report the long dollar value and short dollar value of this exposure in U.S. dollars -->
<countryExposure5PercentOr1Billion> [0..1]
  <countryExposureItem> exposureByCountry </countryExposureItem> [0..*]
</countryExposure5PercentOr1Billion>

<!-- Item B - Reporting fund exposures and trading - Q36 For each month of the reporting period, identify the
reporting fund's exposure by industry, based on the NAICS codes of the underlying exposures, equal or
exceeding either (1) 5% of the reporting fund's net asset value or (2) $1 billion, and report the long dollar
value and short dollar value of this exposure in U.S. dollars -->
<industryExposure5PercentOr1Billion> [0..1]
  <industryExposureItem> exposureByIndustry </industryExposureItem> [0..*]
</industryExposure5PercentOr1Billion>

<!-- Item B - Reporting fund exposures and trading - Q37 Provide the following information regarding the
liquidity of the reporting fund's portfolio -->
<liquidity> liquidityPercentageByPeriod </liquidity> [0..1]

<!-- Item B - Reporting fund exposures and trading - Q38 Value of reporting fund's unencumbered cash -->
<unencumberedCashValue> [0..1]
  Start All[1]
    <month1> xs:decimal </month1> [1]
    <month2> xs:decimal </month2> [1]
    <month3> xs:decimal </month3> [1]
  End All
</unencumberedCashValue>

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<!-- Item B - Reporting fund exposures and trading - Q39 Report the following with respect to the reporting
fund's long and short netted exposure to reference assets at the end of each month of the reporting period -->
<nettedExposureForReferenceAssets> [0..1]
  Start All[1]
    <totalNumberOfReferenceAssets> [0..1]
      Start All[1]
        <month1> longShortIntegers </month1> [1]
        <month2> longShortIntegers </month2> [1]
        <month3> longShortIntegers </month3> [1]
      End All
    </totalNumberOfReferenceAssets>
    <percentageTop5> [0..1]
      Start All[1]
        <month1> longShortPercents </month1> [1]
        <month2> longShortPercents </month2> [1]
        <month3> longShortPercents </month3> [1]
      End All
    </percentageTop5>
    <percentageTop10> [0..1]
      Start All[1]
        <month1> longShortPercents </month1> [1]
        <month2> longShortPercents </month2> [1]
        <month3> longShortPercents </month3> [1]
      End All
    </percentageTop10>
  End All
</nettedExposureForReferenceAssets>

<!-- Item B - Reporting fund exposures and trading - Q40 As of the end of each month in the reporting period,
provide the information requested below for each reference asset to which the reporting fund has gross
exposure equal to or exceeding: (i) 1% of net asset value, if the reference asset is a debt security and the
reporting fund's gross exposure to the reference asset exceeds 20% of the size of the overall debt security
issuance; (ii) 1% of net asset value, if the reference asset is a listed equity and the reporting fund's gross
exposure to the reference asset exceeds 20% of average daily trading volume measured over 90 days preceding
the reporting date; or (iii) either (1) 5% of the reporting fund's net asset value or (2) $1 billion -->
<largeExposureForReferenceAssets> [0..1]
  Start All[1]
    <month1> [0..1]
      <exposureByReferenceAsset> exposureByReferenceAsset </exposureByReferenceAsset> [0..*]
    </month1>
    <month2> [0..1]
      <exposureByReferenceAsset> exposureByReferenceAsset </exposureByReferenceAsset> [0..*]
    </month2>
    <month3> [0..1]
      <exposureByReferenceAsset> exposureByReferenceAsset </exposureByReferenceAsset> [0..*]
    </month3>
  End All
</largeExposureForReferenceAssets>

<!-- Item B - Reporting fund exposures and trading - Q41 Consolidated Counterparty Exposure details the
reporting fund's borrowing and collateral received (B/CR) and lending and posted collateral (L/PC) aggregated
across all counterparties (including all CCPs) in U.S. dollars as of the end of each month of the reporting
period -->
<consolidatedCounterpartyExposure> [0..1]
  Start All[1]
    <hasPrimeBrokerageAgreement> xs:boolean </hasPrimeBrokerageAgreement> [0..1]
    <month1> consolidatedCounterpartyExposureBreakdown </month1> [0..1]
    <month2> consolidatedCounterpartyExposureBreakdown </month2> [0..1]
    <month3> consolidatedCounterpartyExposureBreakdown </month3> [0..1]
  End All
</consolidatedCounterpartyExposure>

<!-- Item B - Reporting fund exposures and trading - Q42(a) Individual Counterparty Exposure Table - Top 5
Creditor Counterparties [1, 2, 3, 4, 5]: (Because borrowing and cash lending should be netted for each
counterparty, only one entry is required) -->
<top5CreditorCounterpartyExposure> [0..1]
  <counterparty> top5CreditorExposureItem </counterparty> [0..5]
</top5CreditorCounterpartyExposure>

<!-- Item B - Reporting fund exposures and trading - Q42a Identify each creditor or other counterparty
(including CCPs) to which the reporting fund owed an amount in respect of cash borrowing entries (before
posted collateral) which is equal to or greater than either (1) 5% of net asset value as of the data reporting
date, or (2) $1 billion. In subsection (a), complete an individual counterparty exposure table for the five
creditors and counterparties to which the reporting fund owed the greatest dollar amount in cash borrowing
entries (before posted collateral) -->
<otherCreditorCounterpartyExposure> [0..1]
  <counterparty> creditorCounterpartyExposure </counterparty> [0..*]
</otherCreditorCounterpartyExposure>

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```

<!-- Item B - Reporting fund exposures and trading - Q43(a) Individual Counterparty Exposure Table - Top
'Debtor' Counterparties -->
<top5DebtorCounterpartyExposure> [0..1]
  <counterparty> top5DebtorExposureItem </counterparty> [0..5]
</top5DebtorCounterpartyExposure>

<!-- Item B - Reporting fund exposures and trading - Q43(b) Other Debtor Counterparties -->
<otherDebtorCounterpartyExposure> [0..1]
  <counterparty> debtorCounterpartyExposure </counterparty> [0..*]
</otherDebtorCounterpartyExposure>

<!-- Item B - Reporting fund exposures and trading - Q44 Identify each CCP or other third party holding
collateral posted by the reporting fund in respect of cleared exposures (including tri-party repo) equal to or
exceeding either (1) 5% of the reporting fund's net asset value as of the data reporting date or (2) $1
billion. (Exclude counterparties reported in Questions 42 and 43). If a different legal entity than the
reporting fund owns the collateral, report the entity's legal name and its LEI, if any -->
<ccpOrThirdPartyExposure> [0..1]
  <ccpOrThirdParty> [0..*]
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      <otherAffiliation> xs:string </otherAffiliation> [0..1]
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      <entityLegalName> xs:string </entityLegalName> [0..1]
      <entityLEI> xs:string </entityLEI> [0..1]
    End All
  </ccpOrThirdParty>
</ccpOrThirdPartyExposure>

<!-- Item B - Reporting fund exposures and trading - Q45 Of the total amount of collateral and other credit
support that counterparties have posted to the reporting fund, what percentage -->
<rehypothecatedPercentage> [0..1]
  Start All[1]
    <mayBeRehypothecated> xs:integer </mayBeRehypothecated> [0..1]
    <hasBeenRehypothecated> xs:integer </hasBeenRehypothecated> [0..1]
  End All
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End All
</exposuresAndTrading>

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<!-- Item C - Reporting fund risk metrics and performance -->
<riskMetricsAndPerformance> [0..1]
  Start All[1]

    <!-- Item C - Reporting fund risk metrics and performance - Q46(a) During the reporting period, did you
    regularly calculate the VaR of the reporting fund. (Please respond without regard to whether you reported the
    result of this calculation internally or to investors) -->
    <var> [1]
      Start All[1]
        <isVaRCalculated> xs:boolean </isVaRCalculated> [1]
        <detail> [0..1]
          <varItem> varItem </varItem> [1..*]
        </detail>
      End All
    </var>

    <!-- Item C - Reporting fund risk metrics and performance - Q47 For each of the market factors identified
    below, determine the effect of the specified changes on the reporting fund's portfolio and provide the
    results. For market factors that have no direct effect on the reporting fund's portfolio, enter zero -->
    <changeEffectForMarketFactors> [1]
      Start All[1]
        <equityPriceChange> standardChangeEffect </equityPriceChange> [1]
        <nonParallelRiskFreeInterestRateChange> [1]
          Start All[1]
            <zeroToThreeYearIncrease50bp> longShortPercents </zeroToThreeYearIncrease50bp> [0..1]
            <zeroToThreeYearDecrease50bp> longShortPercents </zeroToThreeYearDecrease50bp> [0..1]
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          End All
        </nonParallelRiskFreeInterestRateChange>
        <creditSpreadChange> [1]
          Start All[1]
            <increase100bp> longShortPercents </increase100bp> [0..1]
            <decrease100bp> longShortPercents </decrease100bp> [0..1]
          End All
        </creditSpreadChange>
        <currencyRatesChange> standardChangeEffect </currencyRatesChange> [1]
        <commodityPriceChange> standardChangeEffect </commodityPriceChange> [1]
        <optionImpliedVolatilitiesChange> standardChangeEffect </optionImpliedVolatilitiesChange> [1]
        <defaultRateChangeAbs> standardChangeEffect </defaultRateChangeAbs> [1]
        <defaultRateChangeCorpBondCds> standardChangeEffect </defaultRateChangeCorpBondCds> [1]
      End All
    </changeEffectForMarketFactors>

    <!-- Item C - Reporting fund risk metrics and performance - Q49 If you indicated more than one investment
    strategy for the reporting fund in Question 25 and you report performance results to current and prospective
    investors, counterparties, or otherwise, for one or more of the investment strategies reported in Question 25,
    report the gross performance results attributable to each such strategy during the reporting period in base
    currency terms -->
    <performance> [0..1]
      <investmentStrategy> performanceInvestmentStrategyItem </investmentStrategy> [0..*]
    </performance>
  End All
</riskMetricsAndPerformance>

```

```

<!-- Item D - Financing information -->
<financing> [1]
  Start All[1]

    <!-- Item D - Financing information - Q50 Financing liquidity -->
    <financingLiquidity> [1]
      Start All[1]

        <!-- Item D - Financing information - Q50(a) Provide the aggregate dollar amount of borrowing by and cash
        financing available to the reporting fund (including all drawn and undrawn, committed and uncommitted
        lines of credit as well as any term financing) -->
        <aggregateAvailableAmount> xs:integer </aggregateAvailableAmount> [1]

        <!-- Item D - Financing information - Q50(b) Provide the dollar amount of financing that is available to
        the reporting fund but not used by type -->
        <availableAmountByType> [0..1]
          Start All[1]
            <unsecuredBorrowing> xs:integer </unsecuredBorrowing> [1]
            <securedBorrowingPrimeBrokerage> xs:integer </securedBorrowingPrimeBrokerage> [1]
            <securedBorrowingReverseRepo> xs:integer </securedBorrowingReverseRepo> [1]
            <otherSecuredBorrowing> xs:integer </otherSecuredBorrowing> [1]
          End All
        </availableAmountByType>

        <!-- Item D - Financing information - Q50(c) Divide the amount reported in response to part (a) among the
        periods specified below depending on the longest period for which the creditor is contractually committed
        to provide such financing -->
        <availableAmountByPeriod> liquidityPercentageByPeriod </availableAmountByPeriod> [0..1]
      End All
    </financingLiquidity>
  End All
</financing>

<!-- Item E - Investor information -->
<investor> [1]
  Start All[1]

    <!-- Item E - Investor information - Q51 Reporting fund - "side-pocket" arrangement -->
    <sidePocket> [0..1]
      Start All[1]

        <!-- Item E - Investor information - Q51(a) As of the data reporting date, what percentage of the
        reporting fund's net asset value, if any, is subject to a "side-pocket" arrangement -->
        <navPercentageSidePocket> xs:decimal </navPercentageSidePocket> [0..1]

        <!-- Item E - Investor information - Q51(b) (b) Have additional assets been placed in a side-pocket since
        the end of the prior reporting period -->
        <hasAdditionalAssetAddedInSidePocket> YesNoNaType </hasAdditionalAssetAddedInSidePocket> [0..1]
      End All
    </sidePocket>

    <!-- Item E - Investor information - Q53 Investor liquidity (as a % of net asset value); (Divide the reporting
    fund's net asset value among the periods specified below depending on the shortest period within which
    investors are entitled, under the fund documents, to withdraw invested funds or receive redemption payments,
    as applicable. Assume that you would impose gates where applicable but that you would not completely suspend
    withdrawals/redemptions and that there are no redemption fees. Please base on the notice period before the
    valuation date rather than the date proceeds would be paid to investors.)
    (The total should add up to approximately 100%.)
    (For Question 53, please note that the standards for imposing suspensions and restrictions on
    withdrawals/redemptions may vary among funds. Make a good faith determination of the provisions that would
    likely be triggered during conditions that you view as significant market stress.) -->
    <investorLiquidity> liquidityPercentageByPeriod </investorLiquidity> [1]
  End All
</investor>
End All
</hedge2>

```

## Schema Component Representation

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```

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Element: **internalPrivateFund**

Name	internalPrivateFund
Type	Locally-defined complex type
Nilable	no
Abstract	no
Documentation	Q7(b) Internal private fund Information

XML Instance Representation

```
<internalPrivateFund>
  Start All[1]

  <!-- 7(b)(i) Name of internal private fund -->
  <name> xs:string </name> [1]

  <!-- Q7(b)(iii): Private fund identification number of the internal private fund -->
  <fundId> xs:string </fundId> [1]

  <!-- 7(b)(ii) Internal private fund's LEI, if it has one -->
  <legalEntityId> xs:string </legalEntityId> [0..1]

  End All
</internalPrivateFund>
```

Schema Component Representation

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[Table of Contents](#)

Name	liquidityFund
Type	Locally-defined complex type
Nilable	no
Abstract	no

XML Instance Representation

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<liquidityFund>
  Start All[1]

  <!-- Q55 : Item A - Reporting operational information -->
  <stablePrice> [1]
    Start All[1]
      <!-- Q55(a): Does the reporting fund seek to maintain a stable price per share? -->
      <isStablePriceMaintained> xs:boolean </isStablePriceMaintained> [1]
      <!-- Q55(b): If yes, state the price the reporting fund seeks to maintain -->
      <pricePerShare> xs:decimal </pricePerShare> [0..1]
    End All
  </stablePrice>

  <!-- Item B - Reporting fund assets - Q56: Provide information for each month of the reporting period -->
  <assets> [1]
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      <month1> liquidityFundAssets </month1> [0..1]
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      <month3> liquidityFundAssets </month3> [0..1]
    End All
  </assets>

  <!-- Item C - Financing Information -->
  <financing> [1]
    Start All[1]
      <!-- Q57(a): Is the amount of total borrowing reported in response to Question 18 equal to or greater than 5%
      of the reporting fund's net asset value? -->
      <isBorrowingMoreThan5Percent> xs:boolean </isBorrowingMoreThan5Percent> [1]
      <!-- Q57(b): If you responded "yes" to Question 57(a) above, divide the dollar amount of total borrowing
      reported in response to Question 18 among the periods specified below depending on the type of borrowing, the
      type of creditor and the latest date on which the reporting fund may repay the principal amount of the
      borrowing without defaulting or incurring penalties or additional fees -->
      <borrowingDetail> [0..1]
        Start All[1]
          <unsecured> liquidityFundBorrowingDetail </unsecured> [1]
          <secured> liquidityFundBorrowingDetail </secured> [1]
        End All
      </borrowingDetail>

      <!-- Q58(a): Does the reporting fund have in place one or more committed liquidity facilities? -->
      <hasCommittedLiquidityFacility> xs:boolean </hasCommittedLiquidityFacility> [1]
      <!-- Q58(b): If you responded "yes" to Question 58(a), provide the aggregate dollar amount of commitments
      under the liquidity facilities. -->
      <aggregateAmountCommittedLiquidityFacility> xs:integer </aggregateAmountCommittedLiquidityFacility> [0..1]
    End All
  </financing>
```

```

<!-- Item D - Investor Information -->
<investor> [1]
  Start All[1]

  <!-- Q59: Specify the number of outstanding shares or units of the reporting fund's stock or similar
  securities -->
  <outstandingSharesOfStock> xs:integer </outstandingSharesOfStock> [1]

  <!-- Q60: Is the reporting fund established as a cash management vehicle for other funds or accounts that you
  or your affiliates manage that are not cash management vehicles? -->
  <isCashManagementVehicle> xs:boolean </isCashManagementVehicle> [1]

  <!-- Q61: Provide the following information regarding investor concentration -->
  <investorConcentration> [1]
    Start All[1]

    <!-- Q61(a): Specify the percentage of the reporting fund's equity that is beneficially owned by the
    beneficial owner having the largest equity interest in the reporting fund -->
    <percentageOwnedByLargestBeneficialOwner> xs:decimal </percentageOwnedByLargestBeneficialOwner> [1]

    <!-- Q61(b): For each investor that beneficially owns 5% or more of the reporting fund's equity, provide
    the following information. If you select "other" as an investor category, describe the investor in
    Question 4 -->
    <beneficiallyOwned5PercentEquityByInvestors> [0..1]
      <beneficiallyOwned5PercentEquityByInvestor> beneficiallyOwnedEquityByInvestorsItem
      </beneficiallyOwned5PercentEquityByInvestor> [0..*]
    </beneficiallyOwned5PercentEquityByInvestors>
    End All
  </investorConcentration>

  <!-- Q62: Provide a good faith estimate, as of the data reporting date, of the percentage of the reporting
  fund's outstanding equity that was purchased using securities lending collateral. * -->
  <percentageEquityPurchasedUsingCollateral> xs:decimal </percentageEquityPurchasedUsingCollateral> [1]

  <!-- Q63: Restrictions on withdrawals and redemptions by investors in the reporting fund. (please note that
  the standards for imposing suspensions and restrictions on withdrawals/redemptions may vary among funds. Make
  a good faith determination of the provisions that would likely be triggered during conditions that you view as
  significant market stress.)* -->
  <withdrawalRedemptionRestrictions> navPercentageOfSuspensionOrRestrictionsType
  </withdrawalRedemptionRestrictions> [0..1]

  <!-- Q64: Investor liquidity (as a % of net asset value). (Divide the reporting fund's net asset value among
  the periods specified below depending on the shortest period within which investors are entitled, under the
  fund documents, to withdraw invested funds or receive redemption payments, as applicable. Assume that you
  would impose gates where applicable but that you would not completely suspend withdrawals/redemptions and that
  there are no redemption fees. Please base on the notice period before the valuation date rather than the date
  proceeds would be paid to investors. The total should add up to 100%.)* -->
  <investorLiquidity> liquidityPercentageByPeriod </investorLiquidity> [1]
  End All
</investor>

<!-- Item E - Portfolio information -->
<portfolio> [1]

  <!-- Q65: For each security held by the reporting fund, provide the following information for each month of the
  reporting period -->
  <security> liquidityFundSecurity </security> [1..*]
</portfolio>

<!-- Item F Disposition of Portfolio Securities -Q66: Disclose the gross market value (to the nearest cent) of
portfolio securities the reporting fund sold or disposed of during each month of the reporting period by category
of investment. Do not include portfolio securities that the fund held until maturity -->
<dispositionPortfolioSecurities> [0..1]
  <dispositionPortfolioSecuritiesItem> dispositionPortfolioSecuritiesItem </dispositionPortfolioSecuritiesItem>
  [0..*]
</dispositionPortfolioSecurities>

<!-- Item G. Parallel Money Market Funds -Q67: If the reporting fund pursues substantially the same investment
objective and strategy and invests side by side in substantially the same positions as a money market fund advised
by you or any of your related persons, provide the money market fund's EDGAR series identifier -->
<edgarIdOfMoneyMarketFund> xs:string </edgarIdOfMoneyMarketFund> [0..1]
End All
</liquidityFund>

```

## Schema Component Representation

```

<xs:element name="liquidityFund">
  <xs:complexType>
    <xs:all>
      <xs:element name="stablePrice">
        <xs:complexType>
          <xs:all>
            <xs:element name="isStablePriceMaintained" type="xs:boolean"/>
            <xs:element name="pricePerShare" type="xs:decimal" minOccurs="0" maxOccurs="1"/>
          </xs:all>
        </xs:complexType>
      </xs:element>
    </xs:all>
  </xs:complexType>
</xs:element>

```

```

<xs:element name="assets">
  <xs:complexType>
    <xs:all>
      <xs:element name="month1" type="liquidityFundAssets" minOccurs="0" maxOccurs="1"/>
      <xs:element name="month2" type="liquidityFundAssets" minOccurs="0" maxOccurs="1"/>
      <xs:element name="month3" type="liquidityFundAssets" minOccurs="0" maxOccurs="1"/>
    </xs:all>
  </xs:complexType>
</xs:element>
<xs:element name="financing">
  <xs:complexType>
    <xs:all>
      <xs:element name="isBorrowingMoreThan5Percent" type="xs:boolean"/>
      <xs:element name="borrowingDetail" minOccurs="0" maxOccurs="1">
        <xs:complexType>
          <xs:all>
            <xs:element name="unsecured" type="liquidityFundBorrowingDetail"/>
            <xs:element name="secured" type="liquidityFundBorrowingDetail"/>
          </xs:all>
        </xs:complexType>
      </xs:element>
      <xs:element name="hasCommittedLiquidityFacility" type="xs:boolean"/>
      <xs:element name="aggregateAmountCommittedLiquidityFacility" type="xs:integer" minOccurs="0" maxOccurs="1"/>
    </xs:all>
  </xs:complexType>
</xs:element>
<xs:element name="investor">
  <xs:complexType>
    <xs:all>
      <xs:element name="outstandingSharesOfStock" type="xs:integer"/>
      <xs:element name="isCashManagementVehicle" type="xs:boolean"/>
      <xs:element name="investorConcentration">
        <xs:complexType>
          <xs:all>
            <xs:element name="percentageOwnedByLargestBeneficialOwner" type="xs:decimal"/>
            <xs:element name="beneficiallyOwned5PercentEquityByInvestors" minOccurs="0" maxOccurs="1">
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="beneficiallyOwned5PercentEquityByInvestor"
                    type="beneficiallyOwnedEquityByInvestorsItem" minOccurs="0" maxOccurs="unbounded"/>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
          </xs:all>
        </xs:complexType>
      </xs:element>
      <xs:element name="percentageEquityPurchasedUsingCollateral" type="xs:decimal"/>
      <xs:element name="withdrawalRedemptionRestrictions" type="navPercentageOfSuspensionOrRestrictionsType"
        minOccurs="0" maxOccurs="1"/>
      <xs:element name="investorLiquidity" type="liquidityPercentageByPeriod"/>
    </xs:all>
  </xs:complexType>
</xs:element>
<xs:element name="portfolio">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="security" type="liquidityFundSecurity" minOccurs="1" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="dispositionPortfolioSecurities" minOccurs="0" maxOccurs="1">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="dispositionPortfolioSecuritiesItem" type="dispositionPortfolioSecuritiesItem"
        minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="edgarIdOfMoneyMarketFund" type="xs:string" minOccurs="0" maxOccurs="1"/>
</xs:all>
</xs:complexType>
</xs:element>

```

Element: **miscellaneous**

Name	miscellaneous
Type	Locally-defined complex type
Nilable	no
Abstract	no

XML Instance Representation

```
<miscellaneous>
  Start All[1]
    <explanations> [1]
      <explanation> [0..*]
        Start All[1]
          <questionNumber> xs:string (value comes from list: {'1' | '2' | '3' | '4' | '5' | '6' | '7' | '8' | '9' |
            '10' | '11' | '12' | '13' | '14' | '15' | '16' | '17' | '18' | '19' | '20' | '21' | '22' | '23' | '24' |
            '25' | '26' | '27' | '28' | '29' | '30' | '31' | '32' | '33' | '34' | '35' | '36' | '37' | '38' | '39' |
            '40' | '41' | '42' | '43' | '44' | '45' | '46' | '47' | '48' | '49' | '50' | '51' | '52' | '53' | '54' |
            '55' | '56' | '57' | '58' | '59' | '60' | '61' | '62' | '63' | '64' | '65' | '66' | '67' | '68' | '69' |
            '70' | '71' | '72' | '73' | '74' | '75' | '76' | '77' | '78' | '79' | '80' | '81' | '82' | '83' | '84' |
            'All'}) </questionNumber> [1]
          <description> xs:string </description> [1]
        End All
      </explanation>
    </explanations>
  End All
</miscellaneous>
```

Schema Component Representation

```
<xs:element name="miscellaneous">
  <xs:complexType>
    <xs:all>
      <xs:element name="explanations">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="explanation" minOccurs="0" maxOccurs="unbounded">
              <xs:complexType>
                <xs:all>
                  <xs:element name="questionNumber">
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:enumeration value="1"/>
                        <xs:enumeration value="2"/>
                        <xs:enumeration value="3"/>
                        <xs:enumeration value="4"/>
                        <xs:enumeration value="5"/>
                        <xs:enumeration value="6"/>
                        <xs:enumeration value="7"/>
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                        <xs:enumeration value="31"/>
                        <xs:enumeration value="32"/>
                        <xs:enumeration value="33"/>
                        <xs:enumeration value="34"/>
```

```

        <xs:enumeration value="35"/>
        <xs:enumeration value="36"/>
        <xs:enumeration value="37"/>
        <xs:enumeration value="38"/>
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        <xs:enumeration value="82"/>
        <xs:enumeration value="83"/>
        <xs:enumeration value="84"/>
        <xs:enumeration value="All"/>
    </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="description" type="xs:string"/>
</xs:all>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:all>
</xs:complexType>
</xs:element>

```

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Element: **onBehalfofRelatedPersonsSignature**

Name	onBehalfofRelatedPersonsSignature
Type	Locally-defined complex type
Nilable	no
Abstract	no

XML Instance Representation

```
<onBehalfofRelatedPersonsSignature>
  <relatedPersonsSignatureItem> ... </relatedPersonsSignatureItem> [0..*]
</onBehalfofRelatedPersonsSignature>
```

Schema Component Representation

```
<xs:element name="onBehalfofRelatedPersonsSignature">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="relatedPersonsSignatureItem" minOccurs="0" maxOccurs="unbounded" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

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Element: parallelFund

Name	parallelFund
Type	Locally-defined complex type
Nilable	no
Abstract	no
Documentation	Q8 Parallel fund Information

XML Instance Representation

```
<parallelFund>
  Start All[1]

  <!-- 8(b) Name of the parallel fund -->
  <name> xs:string </name> [1]

  <!-- 8(c) Private fund identification number of the parallel fund -->
  <fundId> xs:string </fundId> [1]

  <!-- 8(d) NFA identification number of the parallel fund, if applicable -->
  <nfaId> xs:string </nfaId> [0..1]

  <!-- 8(e) LEI of the parallel fund, if applicable -->
  <legalEntityId> xs:string </legalEntityId> [0..1]

  End All
</parallelFund>
```

Schema Component Representation

```
<xs:element name="parallelFund">
  <xs:complexType>
    <xs:all>
      <xs:element name="name" type="xs:string"/>
      <xs:element name="fundId" type="xs:string"/>
      <xs:element name="nfaId" type="xs:string" minOccurs="0" maxOccurs="1"/>
      <xs:element name="legalEntityId" type="xs:string" minOccurs="0" maxOccurs="1"/>
    </xs:all>
  </xs:complexType>
</xs:element>
```

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Element: performance

Name	performance
Type	Locally-defined complex type
Nilable	no
Abstract	no
Documentation	Item C: Reporting Fund Performance

XML Instance Representation

```
<performance>
  Start All[1]

  <!-- Item C: Reporting Fund Performance - Q23(a): Provide the reporting fund's gross and net performance, as
  reported to current and prospective investors, counterparties, or otherwise. Report the data using the reporting
  fund's base currency. Do not calculate the reporting fund's performance using reporting fund aggregate calculated
  value -->
  <grossNetPerformance> [0..1]
    Start All[1]
      <month1> performanceItem </month1> [0..1]
      <month2> performanceItem </month2> [0..1]
      <month3> performanceItem </month3> [0..1]
      <quarter1> performanceItem </quarter1> [0..1]
      <month4> performanceItem </month4> [0..1]
      <month5> performanceItem </month5> [0..1]
      <month6> performanceItem </month6> [0..1]
      <quarter2> performanceItem </quarter2> [0..1]
      <month7> performanceItem </month7> [0..1]
      <month8> performanceItem </month8> [0..1]
      <month9> performanceItem </month9> [0..1]
      <quarter3> performanceItem </quarter3> [0..1]
      <month10> performanceItem </month10> [0..1]
      <month11> performanceItem </month11> [0..1]
      <month12> performanceItem </month12> [0..1]
      <quarter4> performanceItem </quarter4> [0..1]
      <mostRecentFiscalYear> performanceItem </mostRecentFiscalYear> [0..1]
    End All
  </grossNetPerformance>

  <!-- Item C: Reporting Fund Performance - Q23(b): If the reporting fund's performance is reported to current and
  prospective investors, counterparties, or otherwise, as an internal rate of return since inception, provide the
  reporting fund's performance below. If such information is reported to current and prospective investors,
  counterparties, or otherwise, in a currency other than U.S. dollars, report the data using that currency, and
  identify the currency in Question 4. Do not calculate the reporting fund's performance using a reporting fund
  aggregate calculated value -->
  <internalRateOfReturn> [0..1]
    Start All[1]
      <!-- Item C: Reporting Fund Performance - Q23(b)(i): Inception date used for internal rate of return
      calculation -->
      <inceptionDate> xs:date </inceptionDate> [1]

      <!-- Item C: Reporting Fund Performance - Q23(b)(ii): Inception through the first quarter of reporting fund's
      fiscal year -->
      <inceptionThroughFirstQuarter> xs:decimal </inceptionThroughFirstQuarter> [0..1]

      <!-- Item C: Reporting Fund Performance - Q23(b)(iii): Inception through the second quarter of reporting
      fund's fiscal year -->
      <inceptionThroughSecondQuarter> xs:decimal </inceptionThroughSecondQuarter> [0..1]

      <!-- Item C: Reporting Fund Performance - Q23(b)(iv): Inception through the third quarter of reporting fund's
      fiscal year -->
      <inceptionThroughThirdQuarter> xs:decimal </inceptionThroughThirdQuarter> [0..1]

      <!-- Item C: Reporting Fund Performance - Q23(b)(v): Inception through the end of the reporting fund's most
      recently completed fiscal year -->
      <inceptionThroughEndOfYear> xs:decimal </inceptionThroughEndOfYear> [0..1]

      <!-- Item C: Reporting Fund Performance - Q23(b)(vi): Does the reported internal rate of return include the
      effect of any borrowings secured by unfunded commitments (i.e. subscription lines of credit) -->
      <hasEffectOfBorrowingSecuredByUnfundedCommitments> xs:boolean
      </hasEffectOfBorrowingSecuredByUnfundedCommitments> [1]
    End All
  </internalRateOfReturn>
</performance>
```

```

<!-- Item C: Reporting Fund Performance - Q23(c): If you calculate a market value on a daily basis for any position
in the reporting fund's portfolio, report the following -->
<dailyMarketValueCalculated> [0..1]
  Start All[1]

  <!-- Item C: Reporting Fund Performance - Q23(c)(i): Provide the reporting fund aggregate calculated value at
the end of the reporting period, and if you are filing a quarterly update, also report the reporting fund
aggregate calculated value as of the end of the first and second month of the reporting period. -->
  <aggregatedCalculatedValue> [1]
    Start All[1]
      <ValueEndOfPeriod> xs:integer </ValueEndOfPeriod> [1]
      <valueMonth1> xs:integer </valueMonth1> [0..1]
      <valueMonth2> xs:integer </valueMonth2> [0..1]
    End All
  </aggregatedCalculatedValue>

  <!-- Item C: Reporting Fund Performance - Q23(c)(ii): Provide the reporting fund's volatility of the natural
log of the daily rate-of-return for each month of the reporting period, computed as the standard deviation of
the natural log of one plus each of the daily rates-of-return in the month, annualized by the square root of
252 trading days. When calculating the natural log of a daily rate-of-return, the rate of return, which is
expressed as a percent, must first be converted to a decimal value and then one must be added to the decimal
value -->
  <naturalLogOfTheDailyRateOfReturn> [1]
    Start All[1]
      <month1> xs:decimal </month1> [1]
      <month2> xs:decimal </month2> [1]
      <month3> xs:decimal </month3> [1]
      <month4> xs:decimal </month4> [0..1]
      <month5> xs:decimal </month5> [0..1]
      <month6> xs:decimal </month6> [0..1]
      <month7> xs:decimal </month7> [0..1]
      <month8> xs:decimal </month8> [0..1]
      <month9> xs:decimal </month9> [0..1]
      <month10> xs:decimal </month10> [0..1]
      <month11> xs:decimal </month11> [0..1]
      <month12> xs:decimal </month12> [0..1]
    End All
  </naturalLogOfTheDailyRateOfReturn>

  <!-- Item C: Reporting Fund Performance - Q23(c)(iii): Is the reporting fund's volatility of the daily rates-
of-return reported to current and prospective investors, counterparties, or otherwise using a different
computation than Question 23(c)(ii)? If yes, describe it in Question 4 -->
  <isDailyRateOfReturnMoreDetails> xs:boolean </isDailyRateOfReturnMoreDetails> [1]

  <!-- Item C: Reporting Fund Performance - Q23(c)(iv)Daily rate of return details -->
  <dailyRateOfReturnMoreDetails> [0..1]
    Start All[1]

      <!-- Item C: Reporting Fund Performance - Q23(c)(iv)(A): Did the reporting fund have a negative daily
rate of return for one or more days during the reporting period -->
      <hasNegativeRateOfReturn> xs:boolean </hasNegativeRateOfReturn> [1]

      <!-- Item C: Reporting Fund Performance - Q23(c)(iv)(B): If you responded "yes" to (iv)(A), report the
following for the most recent peak to trough drawdown -->
      <recentPeakToTroughDrawdown> peakToTroughDrawdown </recentPeakToTroughDrawdown> [0..1]

      <!-- Item C: Reporting Fund Performance - Q23(c)(iv)(C): Largest peak to trough drawdown of the reporting
fund over the reporting period -->
      <largestPeakToTroughDrawdown> peakToTroughDrawdown </largestPeakToTroughDrawdown> [0..1]

      <!-- Item C: Reporting Fund Performance - Q23(c)(iv)(D): Largest single day drawdown of the reporting
fund over the reporting period -->
      <largestSingleDayDrawdown> [0..1]
        Start All[1]
          <baseCurrencyAmount> xs:integer </baseCurrencyAmount> [1]
          <baseCurrencyPercentage> xs:decimal </baseCurrencyPercentage> [1]
          <date> xs:date </date> [1]
        End All
      </largestSingleDayDrawdown>

      <!-- Item C: Reporting Fund Performance - Q23(c)(iv)(E): Number of days with a negative daily rates-of-
return in the reporting period -->
      <daysWithNegativeRateOfReturn> xs:integer </daysWithNegativeRateOfReturn> [0..1]
    End All
  </dailyRateOfReturnMoreDetails>
End All
</dailyMarketValueCalculated>
End All
</performance>

```

#### Schema Component Representation

```

<xs:element name="performance">
  <xs:complexType>
    <xs:all>

```

```

<xs:element name="grossNetPerformance" minOccurs="0" maxOccurs="1">
  <xs:complexType>
    <xs:all>
      <xs:element name="month1" type="performanceItem" minOccurs="0" maxOccurs="1"/>
      <xs:element name="month2" type="performanceItem" minOccurs="0" maxOccurs="1"/>
      <xs:element name="month3" type="performanceItem" minOccurs="0" maxOccurs="1"/>
      <xs:element name="quarter1" type="performanceItem" minOccurs="0" maxOccurs="1"/>
      <xs:element name="month4" type="performanceItem" minOccurs="0" maxOccurs="1"/>
      <xs:element name="month5" type="performanceItem" minOccurs="0" maxOccurs="1"/>
      <xs:element name="month6" type="performanceItem" minOccurs="0" maxOccurs="1"/>
      <xs:element name="quarter2" type="performanceItem" minOccurs="0" maxOccurs="1"/>
      <xs:element name="month7" type="performanceItem" minOccurs="0" maxOccurs="1"/>
      <xs:element name="month8" type="performanceItem" minOccurs="0" maxOccurs="1"/>
      <xs:element name="month9" type="performanceItem" minOccurs="0" maxOccurs="1"/>
      <xs:element name="quarter3" type="performanceItem" minOccurs="0" maxOccurs="1"/>
      <xs:element name="month10" type="performanceItem" minOccurs="0" maxOccurs="1"/>
      <xs:element name="month11" type="performanceItem" minOccurs="0" maxOccurs="1"/>
      <xs:element name="month12" type="performanceItem" minOccurs="0" maxOccurs="1"/>
      <xs:element name="quarter4" type="performanceItem" minOccurs="0" maxOccurs="1"/>
      <xs:element name="mostRecentFiscalYear" type="performanceItem" minOccurs="0" maxOccurs="1"/>
    </xs:all>
  </xs:complexType>
</xs:element>
<xs:element name="internalRateOfReturn" minOccurs="0" maxOccurs="1">
  <xs:complexType>
    <xs:all>
      <xs:element name="inceptionDate" type="xs:date"/>
      <xs:element name="inceptionThroughFirstQuarter" type="xs:decimal" minOccurs="0" maxOccurs="1"/>
      <xs:element name="inceptionThroughSecondQuarter" type="xs:decimal" minOccurs="0" maxOccurs="1"/>
      <xs:element name="inceptionThroughThirdQuarter" type="xs:decimal" minOccurs="0" maxOccurs="1"/>
      <xs:element name="inceptionThroughEndOfYear" type="xs:decimal" minOccurs="0" maxOccurs="1"/>
      <xs:element name="hasEffectOfBorrowingSecuredByUnfundedCommitments" type="xs:boolean"/>
    </xs:all>
  </xs:complexType>
</xs:element>
<xs:element name="dailyMarketValueCalculated" minOccurs="0" maxOccurs="1">
  <xs:complexType>
    <xs:all>
      <xs:element name="aggregatedCalculatedValue">
        <xs:complexType>
          <xs:all>
            <xs:element name="ValueEndOfPeriod" type="xs:integer"/>
            <xs:element name="valueMonth1" type="xs:integer" minOccurs="0" maxOccurs="1"/>
            <xs:element name="valueMonth2" type="xs:integer" minOccurs="0" maxOccurs="1"/>
          </xs:all>
        </xs:complexType>
      </xs:element>
      <xs:element name="naturalLogOfTheDailyRateOfReturn">
        <xs:complexType>
          <xs:all>
            <xs:element name="month1" type="xs:decimal"/>
            <xs:element name="month2" type="xs:decimal"/>
            <xs:element name="month3" type="xs:decimal"/>
            <xs:element name="month4" type="xs:decimal" minOccurs="0" maxOccurs="1"/>
            <xs:element name="month5" type="xs:decimal" minOccurs="0" maxOccurs="1"/>
            <xs:element name="month6" type="xs:decimal" minOccurs="0" maxOccurs="1"/>
            <xs:element name="month7" type="xs:decimal" minOccurs="0" maxOccurs="1"/>
            <xs:element name="month8" type="xs:decimal" minOccurs="0" maxOccurs="1"/>
            <xs:element name="month9" type="xs:decimal" minOccurs="0" maxOccurs="1"/>
            <xs:element name="month10" type="xs:decimal" minOccurs="0" maxOccurs="1"/>
            <xs:element name="month11" type="xs:decimal" minOccurs="0" maxOccurs="1"/>
            <xs:element name="month12" type="xs:decimal" minOccurs="0" maxOccurs="1"/>
          </xs:all>
        </xs:complexType>
      </xs:element>
      <xs:element name="isDailyRateOfReturnMoreDetails" type="xs:boolean"/>
      <xs:element name="dailyRateOfReturnMoreDetails" minOccurs="0" maxOccurs="1">
        <xs:complexType>
          <xs:all>
            <xs:element name="hasNegativeRateOfReturn" type="xs:boolean"/>
            <xs:element name="recentPeakToTroughDrawdown" type="peakToTroughDrawdown" minOccurs="0" maxOccurs="1"/>
            <xs:element name="largestPeakToTroughDrawdown" type="peakToTroughDrawdown" minOccurs="0" maxOccurs="1"/>
            <xs:element name="largestSingleDayDrawdown" minOccurs="0" maxOccurs="1">
              <xs:complexType>
                <xs:all>
                  <xs:element name="baseCurrencyAmount" type="xs:integer"/>
                  <xs:element name="baseCurrencyPercentage" type="xs:decimal"/>
                  <xs:element name="date" type="xs:date"/>
                </xs:all>
              </xs:complexType>
            </xs:element>
          </xs:all>
        </xs:complexType>
      </xs:element>
    </xs:all>
  </xs:complexType>
</xs:element>

```

```
        </xs:all>
      </xs:complexType>
    </xs:element>
    <xs:element name="daysWithNegativeRateOfReturn" type="xs:integer" minOccurs="0" maxOccurs="1"/>
  </xs:all>
</xs:complexType>
</xs:element>
</xs:all>
</xs:complexType>
</xs:element>
</xs:all>
</xs:complexType>
</xs:element>
```

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Element: **personalRelatedPersonDetail**

Name	personalRelatedPersonDetail
Type	Locally-defined complex type
Nilable	no
Abstract	no

XML Instance Representation

```
<personalRelatedPersonDetail>
  Start All[1]
    <legalName> xs:string </legalName> [1]

    <!-- CPO - Commodity Pool Operator
         CTA - Commodity Trading advisor
         Both - Commodity Pool Operator or ommodity Trading advisor
    -->
    <cpoCtaOrBoth> xs:string (value comes from list: {'CPO' | 'CTA' | 'Both'}) </cpoCtaOrBoth> [1]
  End All
</personalRelatedPersonDetail>
```

Schema Component Representation

```
<xs:element name="personalRelatedPersonDetail">
  <xs:complexType>
    <xs:all>
      <xs:element name="legalName" type="xs:string"/>
      <xs:element name="cpoCtaOrBoth">
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:enumeration value="CPO"/>
            <xs:enumeration value="CTA"/>
            <xs:enumeration value="Both"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:all>
  </xs:complexType>
</xs:element>
```

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Element: **personalRelatedPersons**

Name	personalRelatedPersons
Type	Locally-defined complex type
Nilable	no
Abstract	no

XML Instance Representation

```
<personalRelatedPersons>
  <personalRelatedPersonDetail> ... </personalRelatedPersonDetail> [0..*]
</personalRelatedPersons>
```

Schema Component Representation

```
<xs:element name="personalRelatedPersons">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="personalRelatedPersonDetail" minOccurs="0" maxOccurs="unbounded" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

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Name	pf
Type	Locally-defined complex type
Nilable	no
Abstract	no

XML Instance Representation

```
<pf>
  Start All[1]
  <section1_4> ... </section1_4> [1]
  End All
</pf>
```

Schema Component Representation

```
<xs:element name="pf">
  <xs:complexType>
    <xs:all>
      <xs:element ref="section1_4"/>
    </xs:all>
  </xs:complexType>
</xs:element>
```

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Name	privateEquity
Type	Locally-defined complex type
Nilable	no
Abstract	no

XML Instance Representation

```
<privateEquity>
  Start All[1]

  <!-- Item B - Certain information regarding the reporting fund - Q69: Indicate the investment strategy in the drop-
  down menu that best describe the reporting fund's investment strategy by percent of deployed capital, during the
  reporting period. If the reporting fund engages in more than one strategy, provide a good faith estimate of the
  percentage of the reporting fund's deployed capital represented by each strategy.
  -->
  <investmentStrategy> [1]
    <investmentStrategyItem> privateEquityInvestmentStrategy </investmentStrategyItem> [1..*]
  </investmentStrategy>

  <!-- Item B - Certain information regarding the reporting fund - Q70: Identify, by ISO country code, each country
  to which the reporting fund's investments in portfolio companies represent exposure of 10% or more of the reporting
  fund's net asset value.
  -->
  <investmentByCountry> [0..1]
    <investmentByCountryItem> investmentByCountry </investmentByCountryItem> [0..*]
  </investmentByCountry>

  <!-- Item C - Reporting fund and portfolio company financing - Q71: Provide the following information regarding the
  value of the reporting fund's borrowings and the types of creditors.
  -->
  <borrowingsByCreditorType> [1]
    Start All[1]

    <!-- Q71a: Dollar amount of total borrowings -->
    <totalAmount> xs:integer </totalAmount> [1]

    <!-- Q71b: Percentage borrowed from non-U.S. financial institutions -->
    <percentageUSFinancialInstitution> xs:decimal </percentageUSFinancialInstitution> [1]

    <!-- Q71c: Percentage borrowed from non-U.S. financial institutions -->
    <percentageNonUSFinancialInstitution> xs:decimal </percentageNonUSFinancialInstitution> [1]

    <!-- Q71d: Percentage borrowed from U.S. creditors that are not financial institutions -->
    <percentageUSNonFinancialInstitution> xs:decimal </percentageUSNonFinancialInstitution> [1]

    <!-- Q71e: Percentage borrowed from non-U.S. creditors that are not financial institutions -->
    <percentageNonUSNonFinancialInstitution> xs:decimal </percentageNonUSNonFinancialInstitution> [1]

    <!-- Q71f: Does the reporting fund's borrow or have the ability to borrow at the fund-level as an alternative
    or complement to financing of portfolio companies? If so, check "yes" and complete subsection (g) of this
    question. Otherwise, check "no" -->
    <hasAbilityToBorrow> xs:boolean </hasAbilityToBorrow> [1]

    <!-- Q71g: For each type of borrowing or other cash financing available to the reporting fund, provide the
    total dollar amount available and the average amount borrowed over the reporting period. Provide the following
    information regarding the value of the borrowings and the types of creditors. -->
    <borrowingOtherCashFinancing> [0..1]
      Start All[1]
      <securedByInvestment> financingItems </securedByInvestment> [0..1]
      <securedByUnfundedCommitments> financingItems </securedByUnfundedCommitments> [0..1]
      <securedByBoth> financingItems </securedByBoth> [0..1]
      <other> financingItems </other> [0..1]
      End All
    </borrowingOtherCashFinancing>
  End All
</borrowingsByCreditorType>

  <!-- Item C - Reporting fund and portfolio company financing -Q72: WDo you or any of your related persons
  guarantee, or are you or any of your related persons otherwise obligated to satisfy, the obligations of any
  portfolio company in which the reporting fund invests?
  (You are not required to respond "yes" simply because a portfolio company is a primary obligor and is also
  your related person.)
  -->
  <guaranteeObligations> [1]
    Start All[1]
    <hasGuaranteeObligations> xs:boolean </hasGuaranteeObligations> [1]
    <amount> xs:integer </amount> [0..1]
    End All
  </guaranteeObligations>
```

```

<!-- Item C - Reporting fund and portfolio company financing - Q73(a): What is the weighted average debt-to-equity
ratio of the controlled portfolio companies in which the reporting fund invests (expressed as a decimal to the
tenths place)?
-->
<weightedAverageDebtToEquityRatio> xs:decimal </weightedAverageDebtToEquityRatio> [1]

<!-- Item C - Reporting fund and portfolio company financing - Q73(b): What is the highest debt-to-equity ratio of
any controlled portfolio company in which the reporting fund invests (expressed as a decimal to the tenths place)?
-->
<highestDebtToEquityRatio> xs:decimal </highestDebtToEquityRatio> [1]

<!-- Item C - Reporting fund and portfolio company financing - Q74: What is the lowest debt-to-equity ratio of any
controlled portfolio company in which the reporting fund invests (expressed as a decimal to the tenths place)?
-->
<lowestDebtToEquityRatio> xs:decimal </lowestDebtToEquityRatio> [1]

<!-- Item C - Reporting fund and portfolio company financing - Q75: What is the aggregate gross asset value of the
reporting fund's controlled portfolio companies?
-->
<aggregateGrossAssetValue> xs:integer </aggregateGrossAssetValue> [1]

<!-- Item C - Reporting fund and portfolio company financing - Q76: What is the aggregate principal amount of
borrowings categorized as current liabilities on the most recent balance sheets of the reporting fund's controlled
portfolio companies?
-->
<aggregatePrincipalAmountAsCurrentLiabilities> xs:integer </aggregatePrincipalAmountAsCurrentLiabilities> [1]

<!-- Item C - Reporting fund and portfolio company financing - Q77: What is the aggregate principal amount of
borrowings categorized as long-term liabilities on the most recent balance sheets of the reporting fund's
controlled portfolio companies?
-->
<aggregatePrincipalAmountAsLongTermLiabilities> xs:integer </aggregatePrincipalAmountAsLongTermLiabilities> [1]

<!-- Item C - Reporting fund and portfolio company financing - Q78: What percentage of the aggregate borrowings of
the reporting fund's controlled portfolio companies is payment-in-kind (PIK) or zero-coupon debt?
-->
<percentagePaymentInKindOrZeroCouponDebt> xs:decimal </percentagePaymentInKindOrZeroCouponDebt> [1]

<!-- Item C - Reporting fund and portfolio company financing - Q79: During the reporting period, did the reporting
fund or any of its controlled portfolio companies experience an event of default under any of its indentures, loan
agreements or other instruments evidencing obligations for borrowed money
-->
<defaultEvent> [1]
  Start All[1]

    <!-- Q79: During the reporting period, did the reporting fund or any of its controlled portfolio companies
    experience an event of default under any of its indentures, loan agreements or other instruments evidencing
    obligations for borrowed money? If so, check "yes" and complete subsections (a) of this question. Otherwise,
    check "no".
    (Do not include a potential event of default (i.e., an event that would constitute an event of default
    with the giving of notice, the passage of time or otherwise) unless it has become an event of default.) -->
    <hasDefaultForBorrowedMoney> xs:boolean </hasDefaultForBorrowedMoney> [1]

    <!-- Q79(a): Identify the nature of the default event (check all that apply); if you check Yes to Q79 -->
    <natureOfDefault> [0..1]
      Start All[1]
        <isPaymentDefaultByFund> xs:boolean </isPaymentDefaultByFund> [0..1]
        <isPaymentDefaultByControlledPortfolioCompany> xs:boolean </isPaymentDefaultByControlledPortfolioCompany>
        [0..1]
        <isFailureToUploadBorrowingAgreement> xs:boolean </isFailureToUploadBorrowingAgreement> [0..1]
      End All
    </natureOfDefault>
  End All
</defaultEvent>

<!-- Item C - Reporting fund and portfolio company financing - Q80: Does any controlled portfolio company of the
reporting fund have in place one or more bridge loans or commitments (subject to customary conditions) for a bridge
loan?
-->
<bridgeLoan> [1]
  Start All[1]

    <!-- Q80(a): Does any controlled portfolio company of the reporting fund have in place one or more bridge
    loans or commitments (subject to customary conditions) for a bridge loan? -->
    <hasBridgeLoans> xs:boolean </hasBridgeLoans> [1]

    <!-- Q80(b): If you responded "yes" to Question 80(a), identify each person that has provided all or part of
    any bridge loan or commitment to the relevant controlled portfolio company. For each such person, provide the
    applicable outstanding amount or commitment amount. -->
    <bridgeLoanPersons> [0..1]
      <bridgeLoanPerson> bridgeLoanPerson </bridgeLoanPerson> [1..*]
    </bridgeLoanPersons>
  End All
</bridgeLoan>

```

```

<!-- Item D - Portfolio company investment exposures - Q81: Reporting fund's controlled portfolio companies a financial industry portfolio company? -->
-->
<controlledPortfolioCompanies> [1]
  Start All[1]
    <!-- Q81(a): Is any of the reporting fund's controlled portfolio companies a financial industry portfolio company? -->
    <isFinancialIndustryPortfolioCompany> xs:boolean </isFinancialIndustryPortfolioCompany> [1]
    <!-- Q81(b): If you responded "yes" to Question 81(a), then for each of the reporting fund's controlled portfolio companies that constitutes a financial industry portfolio company, provide the following information. -->
    <companies> [0..1]
      <company> controlledPortfolioCompany </company> [0..*]
    </companies>
  End All
</controlledPortfolioCompanies>

<!-- Item D - Portfolio company investment exposures - Q82: Provide a breakdown of the reporting fund's investments in portfolio companies by industry, based on the NAICS codes of the companies. -->
-->
<portfolioCompaniesByIndustry> [1]
  <industry> portfolioCompanyByIndustryItem </industry> [1..*]
</portfolioCompaniesByIndustry>

<!-- Item D - Portfolio company investment exposures - Q83: If you or any of your related persons (other than the reporting fund) invest in any companies that are portfolio companies of the reporting fund, provide the aggregate dollar amount of these investments. -->
-->
<investmentAmountNonReportingFund> xs:integer </investmentAmountNonReportingFund> [0..1]

<!-- Item D - Portfolio company investment exposures - Q84: If the reporting fund effectuates (i) any general partner clawback or (ii) a limited partner clawback or clawbacks in excess of an aggregate amount equal to 10 percent of a fund's aggregate capital commitments, provide the following: -->
-->
<partnerClawbackReporting> [0..1]
  <clawback> [0..*]
  Start All[1]
    <effectiveDate> xs:date </effectiveDate> [1]
    <typeOfClawback> xs:string (value comes from list: {'General Partner' | 'Limited Partner'})
    </typeOfClawback> [1]
    <reasonForClawback> xs:string </reasonForClawback> [1]
  End All
</clawback>
</partnerClawbackReporting>

<!-- Item D - Portfolio company investment exposures - Q85: You may provide any information you believe would be helpful in understanding the information reported in response to any question in this Section 4 of this form. Identify the related question for each comment -->
-->
<explanations> [0..1]
  <explanation> [0..*]
  Start All[1]
    <questionNumber> xs:string (value comes from list: {'68' | '69' | '70' | '71' | '72' | '73' | '74' | '75' | '76' | '77' | '78' | '79' | '80' | '81' | '82' | '83' | '84' | 'All'}) </questionNumber> [1]
    <description> xs:string </description> [1]
  End All
</explanation>
</explanations>
End All
</privateEquity>

```

## Schema Component Representation

```

<xs:element name="privateEquity">
  <xs:complexType>
    <xs:all>
      <xs:element name="investmentStrategy">
        <xs:complexType>
          <xs:sequence>
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          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="investmentByCountry" minOccurs="0" maxOccurs="1">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="investmentByCountryItem" type="investmentByCountry" minOccurs="0" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:all>
  </xs:complexType>
</xs:element>

```

```

</xs:element>
<xs:element name="borrowingsByCreditorType">
  <xs:complexType>
    <xs:all>
      <xs:element name="totalAmount" type="xs:integer"/>
      <xs:element name="percentageUSFinancialInstitution" type="xs:decimal"/>
      <xs:element name="percentageNonUSFinancialInstitution" type="xs:decimal"/>
      <xs:element name="percentageUSNonFinancialInstitution" type="xs:decimal"/>
      <xs:element name="percentageNonUSNonFinancialInstitution" type="xs:decimal"/>
      <xs:element name="hasAbilityToBorrow" type="xs:boolean"/>
      <xs:element name="borrowingOtherCashFinancing" minOccurs="0" maxOccurs="1">
        <xs:complexType>
          <xs:all>
            <xs:element name="securedByInvestment" type="financingItems" minOccurs="0" maxOccurs="1"/>
            <xs:element name="securedByUnfundedCommitments" type="financingItems" minOccurs="0" maxOccurs="1"/>
            <xs:element name="securedByBoth" type="financingItems" minOccurs="0" maxOccurs="1"/>
            <xs:element name="other" type="financingItems" minOccurs="0" maxOccurs="1"/>
          </xs:all>
        </xs:complexType>
      </xs:element>
    </xs:all>
  </xs:complexType>
</xs:element>
<xs:element name="guaranteeObligations">
  <xs:complexType>
    <xs:all>
      <xs:element name="hasGuaranteeObligations" type="xs:boolean"/>
      <xs:element name="amount" type="xs:integer" minOccurs="0" maxOccurs="1"/>
    </xs:all>
  </xs:complexType>
</xs:element>
<xs:element name="weightedAverageDebtToEquityRatio" type="xs:decimal"/>
<xs:element name="highestDebtToEquityRatio" type="xs:decimal"/>
<xs:element name="lowestDebtToEquityRatio" type="xs:decimal"/>
<xs:element name="aggregateGrossAssetValue" type="xs:integer"/>
<xs:element name="aggregatePrincipalAmountAsCurrentLiabilities" type="xs:integer"/>
<xs:element name="aggregatePrincipalAmountAsLongTermLiabilities" type="xs:integer"/>
<xs:element name="percentagePaymentInKindOrZeroCouponDebt" type="xs:decimal"/>
<xs:element name="defaultEvent">
  <xs:complexType>
    <xs:all>
      <xs:element name="hasDefaultForBorrowedMoney" type="xs:boolean"/>
      <xs:element name="natureOfDefault" minOccurs="0" maxOccurs="1">
        <xs:complexType>
          <xs:all>
            <xs:element name="isPaymentDefaultByFund" type="xs:boolean" minOccurs="0" maxOccurs="1"/>
            <xs:element name="isPaymentDefaultByControlledPortfolioCompany" type="xs:boolean" minOccurs="0" maxOccurs="1"/>
            <xs:element name="isFailureToUploadBorrowingAgreement" type="xs:boolean" minOccurs="0" maxOccurs="1"/>
          </xs:all>
        </xs:complexType>
      </xs:element>
    </xs:all>
  </xs:complexType>
</xs:element>
<xs:element name="bridgeLoan">
  <xs:complexType>
    <xs:all>
      <xs:element name="hasBridgeLoans" type="xs:boolean"/>
      <xs:element name="bridgeLoanPersons" minOccurs="0" maxOccurs="1">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="bridgeLoanPerson" type="bridgeLoanPerson" minOccurs="1" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:all>
  </xs:complexType>
</xs:element>
<xs:element name="controlledPortfolioCompanies">
  <xs:complexType>
    <xs:all>
      <xs:element name="isFinancialIndustryPortfolioCompany" type="xs:boolean"/>
      <xs:element name="companies" minOccurs="0" maxOccurs="1">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="company" type="controlledPortfolioCompany" minOccurs="0" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:all>
  </xs:complexType>
</xs:element>

```

```

        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:all>
</xs:complexType>
</xs:element>
<xs:element name="portfolioCompaniesByIndustry">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="industry" type="portfolioCompanyByIndustryItem" minOccurs="1" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="investmentAmountNonReportingFund" type="xs:integer" minOccurs="0" maxOccurs="1"/>
<xs:element name="partnerClawbackReporting" minOccurs="0" maxOccurs="1">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="clawback" minOccurs="0" maxOccurs="unbounded">
        <xs:complexType>
          <xs:all>
            <xs:element name="effectiveDate" type="xs:date"/>
            <xs:element name="typeOfClawback">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:enumeration value="General Partner"/>
                  <xs:enumeration value="Limited Partner"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="reasonForClawback" type="xs:string"/>
          </xs:all>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="explanations" minOccurs="0" maxOccurs="1">
  <xs:complexType>
    <xs:sequence>
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              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:enumeration value="68"/>
                  <xs:enumeration value="69"/>
                  <xs:enumeration value="70"/>
                  <xs:enumeration value="71"/>
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                  <xs:enumeration value="81"/>
                  <xs:enumeration value="82"/>
                  <xs:enumeration value="83"/>
                  <xs:enumeration value="84"/>
                  <xs:enumeration value="All"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="description" type="xs:string"/>
          </xs:all>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:all>
</xs:complexType>
</xs:element>

```

Element: **relatedPersonDetail**

Name	relatedPersonDetail
Type	Locally-defined complex type
Nilable	no
Abstract	no

XML Instance Representation

```
<relatedPersonDetail>
  Start All[1]
  <firmCrдNumber> xs:integer </firmCrдNumber> [0..1]
  <largeTraderId> xs:string </largeTraderId> [0..1]
  <largeTraderSffx> xs:string </largeTraderSffx> [0..1]
  <legalEntityId> xs:string </legalEntityId> [0..1]
  <legalName> xs:string </legalName> [1]
  <nfaId> xs:string </nfaId> [0..1]

  <!-- Elements of this type represent the related person type
    Allowed values are:
    RGSTD_ERA - SEC Registered Adviser or ERA active firm
    CPO_CTA - Commodity Pool Operator or Commodity Trading advisor
    RELY_SPV - Relying Adviser or Special Purpose Vehicle
  -->
  <relatedPersonType> xs:string (value comes from list: {'RGSTD_ERA' | 'CPO_CTA' | 'RELY_SPV'}) </relatedPersonType>
  [1]
  <secNumber> xs:string </secNumber> [1]
  <secNumberType> xs:string (value comes from list: {'8' | '801' | '802' | '866'}) </secNumberType> [1]
End All
</relatedPersonDetail>
```

Schema Component Representation

```
<xs:element name="relatedPersonDetail">
  <xs:complexType>
    <xs:all>
      <xs:element name="firmCrдNumber" type="xs:integer" minOccurs="0" maxOccurs="1"/>
      <xs:element name="largeTraderId" type="xs:string" minOccurs="0" maxOccurs="1"/>
      <xs:element name="largeTraderSffx" type="xs:string" minOccurs="0" maxOccurs="1"/>
      <xs:element name="legalEntityId" type="xs:string" minOccurs="0" maxOccurs="1"/>
      <xs:element name="legalName" type="xs:string"/>
      <xs:element name="nfaId" type="xs:string" minOccurs="0" maxOccurs="1"/>
      <xs:element name="relatedPersonType">
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:enumeration value="RGSTD_ERA"/>
            <xs:enumeration value="CPO_CTA"/>
            <xs:enumeration value="RELY_SPV"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="secNumber" type="xs:string"/>
      <xs:element name="secNumberType">
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:enumeration value="8"/>
            <xs:enumeration value="801"/>
            <xs:enumeration value="802"/>
            <xs:enumeration value="866"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:all>
  </xs:complexType>
</xs:element>
```

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Element: relatedPersons

Name	relatedPersons
Type	Locally-defined complex type
Nilable	no
Abstract	no

XML Instance Representation

```
<relatedPersons>
  <relatedPersonDetail> ... </relatedPersonDetail> [0..*]
</relatedPersons>
```

Schema Component Representation

```
<xs:element name="relatedPersons">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="relatedPersonDetail" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

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Element: **relatedPersonsSignatureItem**

Name	relatedPersonsSignatureItem
Type	Locally-defined complex type
Nilable	no
Abstract	no

XML Instance Representation

```
<relatedPersonsSignatureItem>
  Start All[1]
    <name> xs:string </name> [1]
    <signature> xs:string </signature> [1]
    <signatureTitle> xs:string </signatureTitle> [1]
    <email> xs:string </email> [1]
    <phoneNumber> xs:string </phoneNumber> [1]
    <signatureDate> xs:date </signatureDate> [1]
    <relatedPersons> [1]
      <relatedPerson> [1..*]
        Start All[1]
          <name> xs:string </name> [1]
        End All
      </relatedPerson>
    </relatedPersons>
  End All
</relatedPersonsSignatureItem>
```

Schema Component Representation

```
<xs:element name="relatedPersonsSignatureItem">
  <xs:complexType>
    <xs:all>
      <xs:element name="name" type="xs:string"/>
      <xs:element name="signature" type="xs:string"/>
      <xs:element name="signatureTitle" type="xs:string"/>
      <xs:element name="email" type="xs:string"/>
      <xs:element name="phoneNumber" type="xs:string"/>
      <xs:element name="signatureDate" type="xs:date"/>
      <xs:element name="relatedPersons">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="relatedPerson" minOccurs="1" maxOccurs="unbounded">
              <xs:complexType>
                <xs:all>
                  <xs:element name="name" type="xs:string"/>
                </xs:all>
              </xs:complexType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:all>
  </xs:complexType>
</xs:element>
```

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Element: reportingPeriodQuarter

Name	reportingPeriodQuarter
Type	Locally-defined simple type
Nilable	no
Abstract	no

XML Instance Representation

```
<reportingPeriodQuarter> xs:string (value comes from list: {'1' | '2' | '3' | '4'}) </reportingPeriodQuarter>
```

Schema Component Representation

```
<xs:element name="reportingPeriodQuarter">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="1"/>
      <xs:enumeration value="2"/>
      <xs:enumeration value="3"/>
      <xs:enumeration value="4"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

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Element: **reportingPeriodType**

Name	reportingPeriodType
Type	Locally-defined simple type
Nullable	no
Abstract	no

XML Instance Representation

`<reportingPeriodType> xs:string (value comes from list: {'A' | 'Q'}) </reportingPeriodType>`

Schema Component Representation

```
<xs:element name="reportingPeriodType">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="A"/>
      <xs:enumeration value="Q"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

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Element: **section1\_4**

Name	section1_4
Type	Locally-defined complex type
Nilable	no
Abstract	no

XML Instance Representation

```
<section1_4>
  Start All[1]
    <filingType> ... </filingType> [1]
    <reportingPeriodType> ... </reportingPeriodType> [0..1]
    <reportingPeriodEndDate> xs:date </reportingPeriodEndDate> [0..1]
    <reportingPeriodQuarter> ... </reportingPeriodQuarter> [0..1]

    <!-- Section 1a Item A - Q1(a): Provide your name and the other identifying information -->
    <firmIdentifyingInformation> ... </firmIdentifyingInformation> [0..1]

    <!-- Section 1a Item A - Information about your Related Persons - Q1(b) Provide the following information for each
    of the related persons, if any, with respect to which you are reporting information on this form PF -->
    <relatedPersons> ... </relatedPersons> [0..1]

    <!-- Section 1a Item A: Information about your Related Persons - Q1(c)Provide the following information for
    yourself and each of the related persons, if any, with respect to which you are reporting information on this Form
    PF that is registered or required to be registered as a CPO and/or CTA -->
    <personalRelatedPersons> ... </personalRelatedPersons> [0..1]

    <!-- Section 1a Item A: Signatures - Q2: Signatures of sole proprietor or authorized representative (see
    Instruction 11 to Form PF). Signature on behalf of the firm and its related persons -->
    <authorizedRepresentativeSignature> ... </authorizedRepresentativeSignature> [1]

    <!-- Section 1a Item A - Signatures - Q2: Signature on behalf of related Persons -->
    <onBehalfofRelatedPersonsSignature> ... </onBehalfofRelatedPersonsSignature> [0..1]

    <!-- Section 1a Item B: Information about assets of private funds that you advise - Q3: . Provide a breakdown of
    your regulatory assets under management and your net assets under management -->
    <aggregatedAssets> ... </aggregatedAssets> [0..1]

    <!-- Section 1a Item C: Miscellaneous - Q4: You may use the space below to explain any assumptions that you made in
    responding to any question in this Form PF. Assumptions must be in addition to, or reasonably follow from, any
    instructions or other guidance relating to Form PF. If you are aware of any instructions or other guidance that may
    require a different assumption, provide a citation and explain why that assumption is not appropriate for this
    purpose. To the extent responses relate to a particular question, provide the Question number(s), as applicable -->
    <miscellaneous> ... </miscellaneous> [0..1]

    <!-- Fund list -->
    <pfFunds> [0..1]
      <fund> ... </fund> [0..*]
    </pfFunds>
  End All
</section1_4>
```

Schema Component Representation

```
<xs:element name="section1_4">
  <xs:complexType>
    <xs:all>
      <xs:element ref="filingType"/>
      <xs:element ref="reportingPeriodType" minOccurs="0" maxOccurs="1"/>
      <xs:element name="reportingPeriodEndDate" type="xs:date" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="reportingPeriodQuarter" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="firmIdentifyingInformation" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="relatedPersons" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="personalRelatedPersons" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="authorizedRepresentativeSignature"/>
      <xs:element ref="onBehalfofRelatedPersonsSignature" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="aggregatedAssets" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="miscellaneous" minOccurs="0" maxOccurs="1"/>
      <xs:element name="pfFunds" minOccurs="0" maxOccurs="1">
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="fund" minOccurs="0" maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:all>
  </xs:complexType>
</xs:element>
```



Element: tradingVehicle

Name	tradingVehicle
Type	Locally-defined complex type
Nilable	no
Abstract	no
Documentation	Q9 Trading vehicle

XML Instance Representation

```
<tradingVehicle>
  Start All[1]

  <!-- Q9(a) Legal name of the trading vehicle -->
  <legalName> xs:string </legalName> [1]

  <!-- Q9(b) LEI, if any -->
  <legalEntityId> xs:string </legalEntityId> [0..1]

  <!-- Q9(c) Other identifying information (indicate type used, if applicable. E.g., RSSD ID) -->
  <otherId> xs:string </otherId> [0..1]

  <!-- Q9(d) Does the reporting fund hold assets through the trading vehicle -->
  <hasHoldAssets> xs:boolean </hasHoldAssets> [1]

  <!-- Q9(e) Does the reporting fund incur leverage through the trading vehicle -->
  <hasIncurLeverage> xs:boolean </hasIncurLeverage> [1]

  <!-- Q9(f) Does the reporting fund conduct trading or other activities through the trading vehicle -->
  <hasConductTrading> xs:boolean </hasConductTrading> [1]

  End All
</tradingVehicle>
```

Schema Component Representation

```
<xs:element name="tradingVehicle">
  <xs:complexType>
    <xs:all>
      <xs:element name="legalName" type="xs:string"/>
      <xs:element name="legalEntityId" type="xs:string" minOccurs="0" maxOccurs="1"/>
      <xs:element name="otherId" type="xs:string" minOccurs="0" maxOccurs="1"/>
      <xs:element name="hasHoldAssets" type="xs:boolean"/>
      <xs:element name="hasIncurLeverage" type="xs:boolean"/>
      <xs:element name="hasConductTrading" type="xs:boolean"/>
    </xs:all>
  </xs:complexType>
</xs:element>
```

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# Global Definitions

Complex Type: **adjustedExposureByAsset**

Super-types:	None
Sub-types:	None

Name	adjustedExposureByAsset
Abstract	no

## XML Instance Representation

```
<...>
  Start All[1]
    <subAssetClass> subAssetClassAll </subAssetClass> [1]
    <month1> longShortAmounts </month1> [1]
    <month2> longShortAmounts </month2> [1]
    <month3> longShortAmounts </month3> [1]
  End All
</...>
```

## Schema Component Representation

```
<xs:complexType name="adjustedExposureByAsset">
  <xs:all>
    <xs:element name="subAssetClass" type="subAssetClassAll" />
    <xs:element name="month1" type="longShortAmounts" />
    <xs:element name="month2" type="longShortAmounts" />
    <xs:element name="month3" type="longShortAmounts" />
  </xs:all>
</xs:complexType>
```

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Complex Type: **assetValueType**

Super-types:	None
Sub-types:	None

Name	assetValueType
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <date> xs:date </date> [1]
    <value> xs:integer </value> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="assetValueType">
  <xs:all>
    <xs:element name="date" type="xs:date"/>
    <xs:element name="value" type="xs:integer"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: **beneficiallyOwnedEquityByInvestorsItem**

Super-types:	None
Sub-types:	None

Name	beneficiallyOwnedEquityByInvestorsItem
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <fundInvestorCode> fundInvestorCode </fundInvestorCode> [1]
    <beneficiallyOwnedPercentage> xs:decimal </beneficiallyOwnedPercentage> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="beneficiallyOwnedEquityByInvestorsItem">
  <xs:all>
    <xs:element name="fundInvestorCode" type="fundInvestorCode"/>
    <xs:element name="beneficiallyOwnedPercentage" type="xs:decimal"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: borrowLendAmounts

Super-types:	None
Sub-types:	None

Name	borrowLendAmounts
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <bcr> xs:integer </bcr> [1]
    <lpc> xs:integer </lpc> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="borrowLendAmounts">
  <xs:all>
    <xs:element name="bcr" type="xs:integer"/>
    <xs:element name="lpc" type="xs:integer"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: **bridgeLoanPerson**

Super-types:	None
Sub-types:	None

Name	bridgeLoanPerson
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <legalName> xs:string </legalName> [1]
    <legalEntityId> xs:string </legalEntityId> [0..1]
    <affiliatedMajorFinancialInstitution> majorFinancialInstitution </affiliatedMajorFinancialInstitution> [0..1]
    <outstandingAmount> xs:integer </outstandingAmount> [1]
    <commitmentAmount> xs:integer </commitmentAmount> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="bridgeLoanPerson">
  <xs:all>
    <xs:element name="legalName" type="xs:string" />
    <xs:element name="legalEntityId" type="xs:string" minOccurs="0" maxOccurs="1" />
    <xs:element name="affiliatedMajorFinancialInstitution" type="majorFinancialInstitution" minOccurs="0"
maxOccurs="1" />
    <xs:element name="outstandingAmount" type="xs:integer" />
    <xs:element name="commitmentAmount" type="xs:integer" />
  </xs:all>
</xs:complexType>
```

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Complex Type: consolidatedCounterpartyExposureBreakdown

Super-types:	None
Sub-types:	None
Name	consolidatedCounterpartyExposureBreakdown
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <unsecuredBorrowing> [0..1]
      Start All[1]
        <cash> xs:integer </cash> [1]
        <percentageBorrowing> percentageBorrowingBySource </percentageBorrowing> [1]
      End All
    </unsecuredBorrowing>
    <securedWithPrimeBrokerage> [0..1]
      Start All[1]
        <cashMarginBorrowingOrSecuritiesLending> borrowLendAmounts </cashMarginBorrowingOrSecuritiesLending> [1]
        <cashCollateralCrossMarginingAgreement> borrowLendAmounts </cashCollateralCrossMarginingAgreement> [1]
        <governmentSecurities> borrowLendAmounts </governmentSecurities> [1]
        <otherSecurities> borrowLendAmounts </otherSecurities> [1]
        <otherCollateralOrCreditSupport> borrowLendAmounts </otherCollateralOrCreditSupport> [1]
        <percentageBorrowing> percentageBorrowingBySource </percentageBorrowing> [1]
        <postedCollateralFor1PercentMarginIncrease> xs:decimal </postedCollateralFor1PercentMarginIncrease> [1]
      End All
    </securedWithPrimeBrokerage>
    <securedViaRepo> securedRepoOrOtherConsolidated </securedViaRepo> [0..1]
    <securedOther> securedRepoOrOtherConsolidated </securedOther> [0..1]
    <derivativeClearedByCCP> [0..1]
      Start All[1]
        <markToMarket> borrowLendAmounts </markToMarket> [1]
        <cash> borrowLendAmounts </cash> [1]
        <governmentSecurities> borrowLendAmounts </governmentSecurities> [1]
        <otherSecurities> borrowLendAmounts </otherSecurities> [1]
        <otherCollateralOrCreditSupport> borrowLendAmounts </otherCollateralOrCreditSupport> [1]
        <postedCollateralFor1PercentMarginIncrease> xs:decimal </postedCollateralFor1PercentMarginIncrease> [1]
      End All
    </derivativeClearedByCCP>
    <derivativeNotClearedByCCP> [0..1]
      Start All[1]
        <grossNotionalValue> borrowLendAmounts </grossNotionalValue> [1]
        <markToMarket> borrowLendAmounts </markToMarket> [1]
        <cash> borrowLendAmounts </cash> [1]
        <governmentSecurities> borrowLendAmounts </governmentSecurities> [1]
        <otherSecurities> borrowLendAmounts </otherSecurities> [1]
        <otherCollateralOrCreditSupport> borrowLendAmounts </otherCollateralOrCreditSupport> [1]
        <percentageSyntheticLongPositions> percentageBorrowingBySource </percentageSyntheticLongPositions> [1]
        <postedCollateralFor1PercentMarginIncrease> xs:decimal </postedCollateralFor1PercentMarginIncrease> [1]
      End All
    </derivativeNotClearedByCCP>
  End All
</...>
```

```

<xs:complexType name="consolidatedCounterpartyExposureBreakdown">
  <xs:all>
    <xs:element name="unsecuredBorrowing" minOccurs="0" maxOccurs="1">
      <xs:complexType>
        <xs:all>
          <xs:element name="cash" type="xs:integer"/>
          <xs:element name="percentageBorrowing" type="percentageBorrowingBySource"/>
        </xs:all>
      </xs:complexType>
    </xs:element>
    <xs:element name="securedWithPrimeBrokerage" minOccurs="0" maxOccurs="1">
      <xs:complexType>
        <xs:all>
          <xs:element name="cashMarginBorrowingOrSecuritiesLending" type="borrowLendAmounts"/>
          <xs:element name="cashCollateralCrossMarginingAgreement" type="borrowLendAmounts"/>
          <xs:element name="governmentSecurities" type="borrowLendAmounts"/>
          <xs:element name="otherSecurities" type="borrowLendAmounts"/>
          <xs:element name="otherCollateralOrCreditSupport" type="borrowLendAmounts"/>
          <xs:element name="percentageBorrowing" type="percentageBorrowingBySource"/>
          <xs:element name="postedCollateralFor1PercentMarginIncrease" type="xs:decimal"/>
        </xs:all>
      </xs:complexType>
    </xs:element>
    <xs:element name="securedViaRepo" type="securedRepoOrOtherConsolidated" minOccurs="0" maxOccurs="1"/>
    <xs:element name="securedOther" type="securedRepoOrOtherConsolidated" minOccurs="0" maxOccurs="1"/>
    <xs:element name="derivativeClearedByCCP" minOccurs="0" maxOccurs="1">
      <xs:complexType>
        <xs:all>
          <xs:element name="markToMarket" type="borrowLendAmounts"/>
          <xs:element name="cash" type="borrowLendAmounts"/>
          <xs:element name="governmentSecurities" type="borrowLendAmounts"/>
          <xs:element name="otherSecurities" type="borrowLendAmounts"/>
          <xs:element name="otherCollateralOrCreditSupport" type="borrowLendAmounts"/>
          <xs:element name="postedCollateralFor1PercentMarginIncrease" type="xs:decimal"/>
        </xs:all>
      </xs:complexType>
    </xs:element>
    <xs:element name="derivativeNotClearedByCCP" minOccurs="0" maxOccurs="1">
      <xs:complexType>
        <xs:all>
          <xs:element name="grossNotionalValue" type="borrowLendAmounts"/>
          <xs:element name="markToMarket" type="borrowLendAmounts"/>
          <xs:element name="cash" type="borrowLendAmounts"/>
          <xs:element name="governmentSecurities" type="borrowLendAmounts"/>
          <xs:element name="otherSecurities" type="borrowLendAmounts"/>
          <xs:element name="otherCollateralOrCreditSupport" type="borrowLendAmounts"/>
          <xs:element name="percentageSyntheticLongPositions" type="percentageBorrowingBySource"/>
          <xs:element name="postedCollateralFor1PercentMarginIncrease" type="xs:decimal"/>
        </xs:all>
      </xs:complexType>
    </xs:element>
  </xs:all>
</xs:complexType>

```

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Complex Type: **contributionWithdrawalType**

Super-types:	None
Sub-types:	None

Name	contributionWithdrawalType
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <contribution> xs:integer </contribution> [1]
    <withdrawalRedemption> xs:integer </withdrawalRedemption> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="contributionWithdrawalType">
  <xs:all>
    <xs:element name="contribution" type="xs:integer"/>
    <xs:element name="withdrawalRedemption" type="xs:integer"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: **controlledPortfolioCompany**

Super-types:	None
Sub-types:	None

Name	controlledPortfolioCompany
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <legalName> xs:string </legalName> [1]
    <principalOfficeAddress> [1]
      Start All[1]
        <street1> xs:string </street1> [1]
        <street2> xs:string </street2> [0..1]
        <city> xs:string </city> [1]
        <stateProvince> xs:string </stateProvince> [1]
        <postalCode> xs:string </postalCode> [0..1]
        <countryCode> countryType </countryCode> [1]
      End All
    </principalOfficeAddress>
    <naicsCode> NAICSCodeType </naicsCode> [1]
    <legalEntityId> xs:string </legalEntityId> [0..1]
    <debtToEquity> xs:decimal </debtToEquity> [1]
    <grossAssetValue> xs:integer </grossAssetValue> [1]
    <percentageGrossAssetValue> xs:decimal </percentageGrossAssetValue> [1]
    <portfolioCompanyBeneficiallyOwnedPercentage> xs:decimal </portfolioCompanyBeneficiallyOwnedPercentage> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="controlledPortfolioCompany">
  <xs:all>
    <xs:element name="legalName" type="xs:string" />
    <xs:element name="principalOfficeAddress">
      <xs:complexType>
        <xs:all>
          <xs:element name="street1" type="xs:string" />
          <xs:element name="street2" type="xs:string" minOccurs="0" maxOccurs="1" />
          <xs:element name="city" type="xs:string" />
          <xs:element name="stateProvince" type="xs:string" />
          <xs:element name="postalCode" type="xs:string" minOccurs="0" maxOccurs="1" />
          <xs:element name="countryCode" type="countryType" />
        </xs:all>
      </xs:complexType>
    </xs:element>
    <xs:element name="naicsCode" type="NAICSCodeType" />
    <xs:element name="legalEntityId" type="xs:string" minOccurs="0" maxOccurs="1" />
    <xs:element name="debtToEquity" type="xs:decimal" />
    <xs:element name="grossAssetValue" type="xs:integer" />
    <xs:element name="percentageGrossAssetValue" type="xs:decimal" />
    <xs:element name="portfolioCompanyBeneficiallyOwnedPercentage" type="xs:decimal" />
  </xs:all>
</xs:complexType>
```

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Complex Type: **counterpartyExposureBreakdown**

Super-types:	None
Sub-types:	None

Name	counterpartyExposureBreakdown
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <unsecuredBorrowing> [0..1]
      Start All[1]
        <cash> xs:integer </cash> [1]
      End All
    </unsecuredBorrowing>
    <securedWithPrimeBrokerage> [0..1]
      Start All[1]
        <cashMarginBorrowingOrSecuritiesLending> borrowLendAmounts </cashMarginBorrowingOrSecuritiesLending> [1]
        <cashCollateralCrossMarginingAgreement> borrowLendAmounts </cashCollateralCrossMarginingAgreement> [1]
        <governmentSecurities> borrowLendAmounts </governmentSecurities> [1]
        <otherSecurities> borrowLendAmounts </otherSecurities> [1]
        <otherCollateralOrCreditSupport> borrowLendAmounts </otherCollateralOrCreditSupport> [1]
      End All
    </securedWithPrimeBrokerage>
    <securedViaRepo> securedRepoOrOther </securedViaRepo> [0..1]
    <securedOther> securedRepoOrOther </securedOther> [0..1]
    <derivativeClearedByCCP> [0..1]
      Start All[1]
        <markToMarket> borrowLendAmounts </markToMarket> [1]
        <cash> borrowLendAmounts </cash> [1]
        <governmentSecurities> borrowLendAmounts </governmentSecurities> [1]
        <otherSecurities> borrowLendAmounts </otherSecurities> [1]
        <otherCollateralOrCreditSupport> borrowLendAmounts </otherCollateralOrCreditSupport> [1]
      End All
    </derivativeClearedByCCP>
    <derivativeNotClearedByCCP> [0..1]
      Start All[1]
        <grossNotionalValue> borrowLendAmounts </grossNotionalValue> [1]
        <markToMarket> borrowLendAmounts </markToMarket> [1]
        <cash> borrowLendAmounts </cash> [1]
        <governmentSecurities> borrowLendAmounts </governmentSecurities> [1]
        <otherSecurities> borrowLendAmounts </otherSecurities> [1]
        <otherCollateralOrCreditSupport> borrowLendAmounts </otherCollateralOrCreditSupport> [1]
      End All
    </derivativeNotClearedByCCP>
  End All
</...>
```

```

<xs:complexType name="counterpartyExposureBreakdown">
  <xs:all>
    <xs:element name="unsecuredBorrowing" minOccurs="0" maxOccurs="1">
      <xs:complexType>
        <xs:all>
          <xs:element name="cash" type="xs:integer"/>
        </xs:all>
      </xs:complexType>
    </xs:element>
    <xs:element name="securedWithPrimeBrokerage" minOccurs="0" maxOccurs="1">
      <xs:complexType>
        <xs:all>
          <xs:element name="cashMarginBorrowingOrSecuritiesLending" type="borrowLendAmounts"/>
          <xs:element name="cashCollateralCrossMarginingAgreement" type="borrowLendAmounts"/>
          <xs:element name="governmentSecurities" type="borrowLendAmounts"/>
          <xs:element name="otherSecurities" type="borrowLendAmounts"/>
          <xs:element name="otherCollateralOrCreditSupport" type="borrowLendAmounts"/>
        </xs:all>
      </xs:complexType>
    </xs:element>
    <xs:element name="securedViaRepo" type="securedRepoOrOther" minOccurs="0" maxOccurs="1"/>
    <xs:element name="securedOther" type="securedRepoOrOther" minOccurs="0" maxOccurs="1"/>
    <xs:element name="derivativeClearedByCCP" minOccurs="0" maxOccurs="1">
      <xs:complexType>
        <xs:all>
          <xs:element name="markToMarket" type="borrowLendAmounts"/>
          <xs:element name="cash" type="borrowLendAmounts"/>
          <xs:element name="governmentSecurities" type="borrowLendAmounts"/>
          <xs:element name="otherSecurities" type="borrowLendAmounts"/>
          <xs:element name="otherCollateralOrCreditSupport" type="borrowLendAmounts"/>
        </xs:all>
      </xs:complexType>
    </xs:element>
    <xs:element name="derivativeNotClearedByCCP" minOccurs="0" maxOccurs="1">
      <xs:complexType>
        <xs:all>
          <xs:element name="grossNotionalValue" type="borrowLendAmounts"/>
          <xs:element name="markToMarket" type="borrowLendAmounts"/>
          <xs:element name="cash" type="borrowLendAmounts"/>
          <xs:element name="governmentSecurities" type="borrowLendAmounts"/>
          <xs:element name="otherSecurities" type="borrowLendAmounts"/>
          <xs:element name="otherCollateralOrCreditSupport" type="borrowLendAmounts"/>
        </xs:all>
      </xs:complexType>
    </xs:element>
  </xs:all>
</xs:complexType>

```

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Complex Type: creditorCounterpartyExposure

Super-types:	None
Sub-types:	None

Name	creditorCounterpartyExposure
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <legalName> xs:string </legalName> [1]
    <legalEntityId> xs:string </legalEntityId> [0..1]
    <affiliatedFinancialInstitution> majorFinancialInstitution </affiliatedFinancialInstitution> [1]
    <otherAffiliation> xs:string </otherAffiliation> [0..1]
    <borrowing> xs:integer </borrowing> [1]
    <postedCollateral> xs:integer </postedCollateral> [1]
    <entityLegalName> xs:string </entityLegalName> [0..1]
    <entityLEI> xs:string </entityLEI> [0..1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="creditorCounterpartyExposure">
  <xs:all>
    <xs:element name="legalName" type="xs:string"/>
    <xs:element name="legalEntityId" type="xs:string" minOccurs="0" maxOccurs="1"/>
    <xs:element name="affiliatedFinancialInstitution" type="majorFinancialInstitution"/>
    <xs:element name="otherAffiliation" type="xs:string" minOccurs="0" maxOccurs="1"/>
    <xs:element name="borrowing" type="xs:integer"/>
    <xs:element name="postedCollateral" type="xs:integer"/>
    <xs:element name="entityLegalName" type="xs:string" minOccurs="0" maxOccurs="1"/>
    <xs:element name="entityLEI" type="xs:string" minOccurs="0" maxOccurs="1"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: creditRatingItem

Super-types:	None
Sub-types:	None

Name	creditRatingItem
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <!-- Credit rating agency name -->
    <agency> xs:string </agency> [1]
    <!-- Credit rating -->
    <rating> xs:string </rating> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="creditRatingItem">
  <xs:all>
    <xs:element name="agency" type="xs:string"/>
    <xs:element name="rating" type="xs:string"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: debtorCounterpartyExposure

Super-types:	None
Sub-types:	None

Name	debtorCounterpartyExposure
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <legalName> xs:string </legalName> [1]
    <legalEntityId> xs:string </legalEntityId> [0..1]
    <affiliatedFinancialInstitution> majorFinancialInstitution </affiliatedFinancialInstitution> [1]
    <otherAffiliation> xs:string </otherAffiliation> [0..1]
    <markToMarketBeforeCollateral> xs:integer </markToMarketBeforeCollateral> [1]
    <markToMarketAfterCollateral> xs:integer </markToMarketAfterCollateral> [1]
    <entityLegalName> xs:string </entityLegalName> [0..1]
    <entityLEI> xs:string </entityLEI> [0..1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="debtorCounterpartyExposure">
  <xs:all>
    <xs:element name="legalName" type="xs:string" />
    <xs:element name="legalEntityId" type="xs:string" minOccurs="0" maxOccurs="1" />
    <xs:element name="affiliatedFinancialInstitution" type="majorFinancialInstitution" />
    <xs:element name="otherAffiliation" type="xs:string" minOccurs="0" maxOccurs="1" />
    <xs:element name="markToMarketBeforeCollateral" type="xs:integer" />
    <xs:element name="markToMarketAfterCollateral" type="xs:integer" />
    <xs:element name="entityLegalName" type="xs:string" minOccurs="0" maxOccurs="1" />
    <xs:element name="entityLEI" type="xs:string" minOccurs="0" maxOccurs="1" />
  </xs:all>
</xs:complexType>
```

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Complex Type: demandFeatureItem

Super-types:	None
Sub-types:	None

Name	demandFeatureItem
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <!-- Q65(1)(i): Identity of the demand feature issuer(s) -->
    <issuerIdentity> xs:string </issuerIdentity> [1]
    <creditRating> [0..1]
      <creditRatingItem> creditRatingItem </creditRatingItem> [0..*]
    </creditRating>
    <!-- Q65(1)(iii): The period remaining until the principal amount of the security may be recovered through the
    demand feature -->
    <periodRemainingUntilRecovery> xs:string </periodRemainingUntilRecovery> [1]
    <!-- Q65(1)(iv): The amount (i.e., percentage) of fractional support provided by each demand feature issuer -->
    <percentageFractionalSupport> xs:decimal </percentageFractionalSupport> [1]
    <!-- Q65(1)(v): Whether the demand feature is a conditional demand feature -->
    <isConditional> xs:boolean </isConditional> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="demandFeatureItem">
  <xs:all>
    <xs:element name="issuerIdentity" type="xs:string"/>
    <xs:element name="creditRating" minOccurs="0" maxOccurs="1">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="creditRatingItem" type="creditRatingItem" minOccurs="0" maxOccurs="unbounded"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="periodRemainingUntilRecovery" type="xs:string"/>
    <xs:element name="percentageFractionalSupport" type="xs:decimal"/>
    <xs:element name="isConditional" type="xs:boolean"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: dispositionPortfolioSecuritiesItem

Super-types:	None
Sub-types:	None
Name	dispositionPortfolioSecuritiesItem
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <investmentCategory> liquidityFundInvestmentCategory </investmentCategory> [1]
    <otherInstrumentDescription> xs:string </otherInstrumentDescription> [0..1]
    <month1> xs:decimal </month1> [0..1]
    <month2> xs:decimal </month2> [0..1]
    <month3> xs:decimal </month3> [0..1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="dispositionPortfolioSecuritiesItem">
  <xs:all>
    <xs:element name="investmentCategory" type="liquidityFundInvestmentCategory"/>
    <xs:element name="otherInstrumentDescription" type="xs:string" minOccurs="0" maxOccurs="1"/>
    <xs:element name="month1" type="xs:decimal" minOccurs="0" maxOccurs="1"/>
    <xs:element name="month2" type="xs:decimal" minOccurs="0" maxOccurs="1"/>
    <xs:element name="month3" type="xs:decimal" minOccurs="0" maxOccurs="1"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: **enhancementItem**

Super-types:	None
Sub-types:	None

Name	enhancementItem
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]

  <!-- Q65(n)(i): Identity of the enhancement provider(s) -->
  <enhancementProviderIdentity> xs:string </enhancementProviderIdentity> [1]

  <!-- Q65(n)(ii): The type of enhancement(s) -->
  <enhancementType> xs:string </enhancementType> [1]
  <creditRating> [0..1]
    <creditRatingItem> creditRatingItem </creditRatingItem> [0..*]
  </creditRating>

  <!-- Q65(n)(iv): The amount (i.e., percentage) of fractional support provided by each enhancement provider -->
  <percentageFractionalSupport> xs:decimal </percentageFractionalSupport> [1]

  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="enhancementItem">
  <xs:all>
    <xs:element name="enhancementProviderIdentity" type="xs:string"/>
    <xs:element name="enhancementType" type="xs:string"/>
    <xs:element name="creditRating" minOccurs="0" maxOccurs="1">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="creditRatingItem" type="creditRatingItem" minOccurs="0" maxOccurs="unbounded"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="percentageFractionalSupport" type="xs:decimal"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: exposureByAsset

Super-types:	None
Sub-types:	None

Name	exposureByAsset
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <subAssetClass> subAssetClassWithNoInstrumentType </subAssetClass> [1]
    <month1> longShortAmounts </month1> [1]
    <month2> longShortAmounts </month2> [1]
    <month3> longShortAmounts </month3> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="exposureByAsset">
  <xs:all>
    <xs:element name="subAssetClass" type="subAssetClassWithNoInstrumentType"/>
    <xs:element name="month1" type="longShortAmounts"/>
    <xs:element name="month2" type="longShortAmounts"/>
    <xs:element name="month3" type="longShortAmounts"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: **exposureByAssetAndInstrument**

Super-types:	None
Sub-types:	None

Name	exposureByAssetAndInstrument
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <subAssetClass> subAssetClassWithInstrumentType </subAssetClass> [1]
    <instrumentType> instrumentType </instrumentType> [1]
    <month1> longShortAmounts </month1> [1]
    <month2> longShortAmounts </month2> [1]
    <month3> longShortAmounts </month3> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="exposureByAssetAndInstrument">
  <xs:all>
    <xs:element name="subAssetClass" type="subAssetClassWithInstrumentType" />
    <xs:element name="instrumentType" type="instrumentType" />
    <xs:element name="month1" type="longShortAmounts" />
    <xs:element name="month2" type="longShortAmounts" />
    <xs:element name="month3" type="longShortAmounts" />
  </xs:all>
</xs:complexType>
```

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Complex Type: exposureByCountry

Super-types:	None
Sub-types:	None

Name	exposureByCountry
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <countryCode> countryType </countryCode> [1]
    <month1> longShortAmounts </month1> [1]
    <month2> longShortAmounts </month2> [1]
    <month3> longShortAmounts </month3> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="exposureByCountry">
  <xs:all>
    <xs:element name="countryCode" type="countryType"/>
    <xs:element name="month1" type="longShortAmounts"/>
    <xs:element name="month2" type="longShortAmounts"/>
    <xs:element name="month3" type="longShortAmounts"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: exposureByCurrency

Super-types:	None
Sub-types:	None

Name	exposureByCurrency
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <currency> currencyCodeType </currency> [0..1]
    <month1> longShortAmounts </month1> [1]
    <month2> longShortAmounts </month2> [1]
    <month3> longShortAmounts </month3> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="exposureByCurrency">
  <xs:all>
    <xs:element name="currency" type="currencyCodeType" minOccurs="0" maxOccurs="1"/>
    <xs:element name="month1" type="longShortAmounts"/>
    <xs:element name="month2" type="longShortAmounts"/>
    <xs:element name="month3" type="longShortAmounts"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: exposureByIndustry

Super-types:	None
Sub-types:	None

Name	exposureByIndustry
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <naicsCode> NAICSCodeType </naicsCode> [1]
    <month1> longShortAmounts </month1> [1]
    <month2> longShortAmounts </month2> [1]
    <month3> longShortAmounts </month3> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="exposureByIndustry">
  <xs:all>
    <xs:element name="naicsCode" type="NAICSCodeType"/>
    <xs:element name="month1" type="longShortAmounts"/>
    <xs:element name="month2" type="longShortAmounts"/>
    <xs:element name="month3" type="longShortAmounts"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: exposureByReferenceAsset

Super-types:	None
Sub-types:	None

Name	exposureByReferenceAsset
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <longValue> xs:integer </longValue> [0..1]
    <shortValue> xs:integer </shortValue> [0..1]
    <nettedExposure> xs:integer </nettedExposure> [0..1]
    <subAssetClass> subAssetClassAll </subAssetClass> [1]
    <instrumentType> instrumentType </instrumentType> [0..1]
    <titleOrDescription> xs:string </titleOrDescription> [1]
    <issuerName> xs:string </issuerName> [0..1]
    <issuerLEI> xs:string </issuerLEI> [0..1]
    <cusip> xs:string </cusip> [0..1]
    <isin> xs:string </isin> [0..1]
    <ticker> xs:string </ticker> [0..1]
    <otherIdentifier> xs:string </otherIdentifier> [0..1]
    <issueDescription> xs:string </issueDescription> [0..1]
    <issueSize> xs:integer </issueSize> [0..1]
    <averageTradingVolume> xs:integer </averageTradingVolume> [0..1]
    <figi> xs:string </figi> [0..1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="exposureByReferenceAsset">
  <xs:all>
    <xs:element name="longValue" type="xs:integer" minOccurs="0" maxOccurs="1"/>
    <xs:element name="shortValue" type="xs:integer" minOccurs="0" maxOccurs="1"/>
    <xs:element name="nettedExposure" type="xs:integer" minOccurs="0" maxOccurs="1"/>
    <xs:element name="subAssetClass" type="subAssetClassAll"/>
    <xs:element name="instrumentType" type="instrumentType" minOccurs="0" maxOccurs="1"/>
    <xs:element name="titleOrDescription" type="xs:string"/>
    <xs:element name="issuerName" type="xs:string" minOccurs="0" maxOccurs="1"/>
    <xs:element name="issuerLEI" type="xs:string" minOccurs="0" maxOccurs="1"/>
    <xs:element name="cusip" type="xs:string" minOccurs="0" maxOccurs="1"/>
    <xs:element name="isin" type="xs:string" minOccurs="0" maxOccurs="1"/>
    <xs:element name="ticker" type="xs:string" minOccurs="0" maxOccurs="1"/>
    <xs:element name="otherIdentifier" type="xs:string" minOccurs="0" maxOccurs="1"/>
    <xs:element name="issueDescription" type="xs:string" minOccurs="0" maxOccurs="1"/>
    <xs:element name="issueSize" type="xs:integer" minOccurs="0" maxOccurs="1"/>
    <xs:element name="averageTradingVolume" type="xs:integer" minOccurs="0" maxOccurs="1"/>
    <xs:element name="figi" type="xs:string" minOccurs="0" maxOccurs="1"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: **exposureInterestRateRisk**

Super-types:	None
Sub-types:	None

Name	exposureInterestRateRisk
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <subAssetClass> subAssetClassFixedIncome </subAssetClass> [1]
    <instrumentType> instrumentType </instrumentType> [0..1]
    <month1> longShortAmounts </month1> [1]
    <month2> longShortAmounts </month2> [1]
    <month3> longShortAmounts </month3> [1]
    <month1Adjusted> longShortAmounts </month1Adjusted> [1]
    <month2Adjusted> longShortAmounts </month2Adjusted> [1]
    <month3Adjusted> longShortAmounts </month3Adjusted> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="exposureInterestRateRisk">
  <xs:all>
    <xs:element name="subAssetClass" type="subAssetClassFixedIncome"/>
    <xs:element name="instrumentType" type="instrumentType" minOccurs="0" maxOccurs="1"/>
    <xs:element name="month1" type="longShortAmounts"/>
    <xs:element name="month2" type="longShortAmounts"/>
    <xs:element name="month3" type="longShortAmounts"/>
    <xs:element name="month1Adjusted" type="longShortAmounts"/>
    <xs:element name="month2Adjusted" type="longShortAmounts"/>
    <xs:element name="month3Adjusted" type="longShortAmounts"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: **financingItems**

Super-types:	None
Sub-types:	None

Name	financingItems
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <amount> xs:integer </amount> [0..1]
    <averageBorrowed> xs:integer </averageBorrowed> [0..1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="financingItems">
  <xs:all>
    <xs:element name="amount" type="xs:integer" minOccurs="0" maxOccurs="1"/>
    <xs:element name="averageBorrowed" type="xs:integer" minOccurs="0" maxOccurs="1"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: **guaranteeItem**

Super-types:	None
Sub-types:	None

Name	guaranteeItem
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <!-- Q65(m)(i): Identity of the guarantor -->
    <guarantorIdentity> xs:string </guarantorIdentity> [1]
    <creditRating> [0..1]
      <creditRatingItem> creditRatingItem </creditRatingItem> [0..*]
    </creditRating>
    <!-- Q65(m)(iii) The amount (i.e., percentage) of fractional support provided by each guarantor -->
    <percentageFractionalSupport> xs:decimal </percentageFractionalSupport> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="guaranteeItem">
  <xs:all>
    <xs:element name="guarantorIdentity" type="xs:string" />
    <xs:element name="creditRating" minOccurs="0" maxOccurs="1">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="creditRatingItem" type="creditRatingItem" minOccurs="0" maxOccurs="unbounded" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="percentageFractionalSupport" type="xs:decimal" />
  </xs:all>
</xs:complexType>
```

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Complex Type: **hedge1cCounterpartyExposureBreakdown**

Super-types:	None
Sub-types:	None

Name	hedge1cCounterpartyExposureBreakdown
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <unsecuredBorrowing> [0..1]
      Start All[1]
        <cash> xs:integer </cash> [1]
      End All
    </unsecuredBorrowing>
    <securedWithPrimeBrokerage> [0..1]
      Start All[1]
        <cashMarginBorrowingOrSecuritiesLending> borrowLendAmounts </cashMarginBorrowingOrSecuritiesLending> [1]
        <cashCollateralCrossMarginingAgreement> borrowLendAmounts </cashCollateralCrossMarginingAgreement> [1]
        <governmentSecurities> borrowLendAmounts </governmentSecurities> [1]
      End All
    </securedWithPrimeBrokerage>
    <securedViaRepo> hedge1cSecuredRepoOrOther </securedViaRepo> [0..1]
    <securedOther> hedge1cSecuredRepoOrOther </securedOther> [0..1]
    <derivativeClearedByCCP> [0..1]
      Start All[1]
        <markToMarket> borrowLendAmounts </markToMarket> [1]
        <cash> borrowLendAmounts </cash> [1]
        <governmentSecurities> borrowLendAmounts </governmentSecurities> [1]
      End All
    </derivativeClearedByCCP>
    <derivativeNotClearedByCCP> [0..1]
      Start All[1]
        <grossNotionalValue> borrowLendAmounts </grossNotionalValue> [1]
        <markToMarket> borrowLendAmounts </markToMarket> [1]
        <cash> borrowLendAmounts </cash> [1]
        <governmentSecurities> borrowLendAmounts </governmentSecurities> [1]
      End All
    </derivativeNotClearedByCCP>
  End All
</...>
```



## Schema Component Representation

```
<xs:complexType name="hedge1cCounterpartyExposureBreakdown">
  <xs:all>
    <xs:element name="unsecuredBorrowing" minOccurs="0" maxOccurs="1">
      <xs:complexType>
        <xs:all>
          <xs:element name="cash" type="xs:integer"/>
        </xs:all>
      </xs:complexType>
    </xs:element>
    <xs:element name="securedWithPrimeBrokerage" minOccurs="0" maxOccurs="1">
      <xs:complexType>
        <xs:all>
          <xs:element name="cashMarginBorrowingOrSecuritiesLending" type="borrowLendAmounts"/>
          <xs:element name="cashCollateralCrossMarginingAgreement" type="borrowLendAmounts"/>
          <xs:element name="governmentSecurities" type="borrowLendAmounts"/>
        </xs:all>
      </xs:complexType>
    </xs:element>
    <xs:element name="securedViaRepo" type="hedge1cSecuredRepoOrOther" minOccurs="0" maxOccurs="1"/>
    <xs:element name="securedOther" type="hedge1cSecuredRepoOrOther" minOccurs="0" maxOccurs="1"/>
    <xs:element name="derivativeClearedByCCP" minOccurs="0" maxOccurs="1">
      <xs:complexType>
        <xs:all>
          <xs:element name="markToMarket" type="borrowLendAmounts"/>
          <xs:element name="cash" type="borrowLendAmounts"/>
          <xs:element name="governmentSecurities" type="borrowLendAmounts"/>
        </xs:all>
      </xs:complexType>
    </xs:element>
    <xs:element name="derivativeNotClearedByCCP" minOccurs="0" maxOccurs="1">
      <xs:complexType>
        <xs:all>
          <xs:element name="grossNotionalValue" type="borrowLendAmounts"/>
          <xs:element name="markToMarket" type="borrowLendAmounts"/>
          <xs:element name="cash" type="borrowLendAmounts"/>
          <xs:element name="governmentSecurities" type="borrowLendAmounts"/>
        </xs:all>
      </xs:complexType>
    </xs:element>
  </xs:all>
</xs:complexType>
```

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Complex Type: **hedge1cSecuredRepoOrOther**

Super-types:	None
Sub-types:	None

Name	hedge1cSecuredRepoOrOther
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <cash> borrowLendAmounts </cash> [1]
    <governmentSecurities> borrowLendAmounts </governmentSecurities> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="hedge1cSecuredRepoOrOther">
  <xs:all>
    <xs:element name="cash" type="borrowLendAmounts" />
    <xs:element name="governmentSecurities" type="borrowLendAmounts" />
  </xs:all>
</xs:complexType>
```

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Complex Type: investmentByCountry

Super-types:	None
Sub-types:	None

Name	investmentByCountry
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <countryCode> countryType </countryCode> [1]
    <percentageNav> xs:decimal </percentageNav> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="investmentByCountry">
  <xs:all>
    <xs:element name="countryCode" type="countryType" />
    <xs:element name="percentageNav" type="xs:decimal" />
  </xs:all>
</xs:complexType>
```

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## Complex Type: liquidityFundAssets

<i>Super-types:</i>	None
<i>Sub-types:</i>	None

<b>Name</b>	liquidityFundAssets
<b><u>Abstract</u></b>	no

### XML Instance Representation

```
<...>  
  
    <!-- Q56(a): Net asset value of reporting fund as reported to current and prospective investors  
        Q56(a): Net asset value of reporting fund as reported to current and prospective investors  
        Q56(a): Net asset value of reporting fund as reported to current and prospective investors  
        Q56(a): Net asset value of reporting fund as reported to current and prospective investors  
        Q56(a): Net asset value of reporting fund as reported to current and prospective investors  
        Q56(a): Net asset value of reporting fund as reported to current and prospective investors  
        Q56(a): Net asset value of reporting fund as reported to current and prospective investors  
        Q56(a): Net asset value of reporting fund as reported to current and prospective investors  
        Q56(a): Net asset value of reporting fund as reported to current and prospective investors  
        Q56(a): Net asset value of reporting fund as reported to current and prospective investors  
        Q56(a): Net asset value of reporting fund as reported to current and prospective investors  
        Q56(a): Net asset value of reporting fund as reported to current and prospective investors  
        Q56(a): Net asset value of reporting fund as reported to current and prospective investors  
        Q56(a): Net asset value of reporting fund as reported to current and prospective investors  
-->  
Start All[1]  
    <netAssetValue> xs:integer </netAssetValue> [1]  
    <navPerShare> xs:decimal </navPerShare> [1]  
    <navPerShareExceptCapitalSupport> xs:decimal </navPerShareExceptCapitalSupport> [1]  
    <wam> xs:integer </wam> [1]  
    <wal> xs:integer </wal> [1]  
    <sevenDaysGrossYield> xs:decimal </sevenDaysGrossYield> [0..1]  
    <amountDailyLiquidAssets> xs:integer </amountDailyLiquidAssets> [0..1]  
    <amountWeeklyLiquidAssets> xs:integer </amountWeeklyLiquidAssets> [0..1]  
    <amountGreaterThan397Days> xs:integer </amountGreaterThan397Days> [0..1]  
    <cashAmount> xs:integer </cashAmount> [0..1]  
    <amountGrossSubscriptions> xs:integer </amountGrossSubscriptions> [0..1]  
    <amountGrossRedemptions> xs:integer </amountGrossRedemptions> [0..1]  
End All  
</...>
```

### Schema Component Representation

```
<xs:complexType name="liquidityFundAssets">
  <xs:all>
    <xs:element name="netAssetValue" type="xs:integer"/>
    <xs:element name="navPerShare" type="xs:decimal"/>
    <xs:element name="navPerShareExceptCapitalSupport" type="xs:decimal"/>
    <xs:element name="wam" type="xs:integer"/>
    <xs:element name="wal" type="xs:integer"/>
    <xs:element name="sevenDaysGrossYield" type="xs:decimal" minOccurs="0" maxOccurs="1"/>
    <xs:element name="amountDailyLiquidAssets" type="xs:integer" minOccurs="0" maxOccurs="1"/>
    <xs:element name="amountWeeklyLiquidAssets" type="xs:integer" minOccurs="0" maxOccurs="1"/>
    <xs:element name="amountGreaterThan397Days" type="xs:integer" minOccurs="0" maxOccurs="1"/>
    <xs:element name="cashAmount" type="xs:integer" minOccurs="0" maxOccurs="1"/>
    <xs:element name="amountGrossSubscriptions" type="xs:integer" minOccurs="0" maxOccurs="1"/>
    <xs:element name="amountGrossRedemptions" type="xs:integer" minOccurs="0" maxOccurs="1"/>
  </xs:all>
</xs:complexType>
```

Complex Type: **liquidityFundBorrowingByTerm**

Super-types:	None
Sub-types:	None

Name	liquidityFundBorrowingByTerm
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <oneDayOrLess> xs:integer </oneDayOrLess> [1]
    <twoToSevenDays> xs:integer </twoToSevenDays> [1]
    <eightToThirtyDays> xs:integer </eightToThirtyDays> [1]
    <thirtyOneTo397Days> xs:integer </thirtyOneTo397Days> [1]
    <greaterThan397Days> xs:integer </greaterThan397Days> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="liquidityFundBorrowingByTerm">
  <xs:all>
    <xs:element name="oneDayOrLess" type="xs:integer"/>
    <xs:element name="twoToSevenDays" type="xs:integer"/>
    <xs:element name="eightToThirtyDays" type="xs:integer"/>
    <xs:element name="thirtyOneTo397Days" type="xs:integer"/>
    <xs:element name="greaterThan397Days" type="xs:integer"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: **liquidityFundBorrowingDetail**

Super-types:	None
Sub-types:	None

Name	liquidityFundBorrowingDetail
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <usDepositoryInstitutions> liquidityFundBorrowingByTerm </usDepositoryInstitutions> [1]
    <usNonDepositoryInstitutions> liquidityFundBorrowingByTerm </usNonDepositoryInstitutions> [1]
    <nonUsCreditors> liquidityFundBorrowingByTerm </nonUsCreditors> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="liquidityFundBorrowingDetail">
  <xs:all>
    <xs:element name="usDepositoryInstitutions" type="liquidityFundBorrowingByTerm"/>
    <xs:element name="usNonDepositoryInstitutions" type="liquidityFundBorrowingByTerm"/>
    <xs:element name="nonUsCreditors" type="liquidityFundBorrowingByTerm"/>
  </xs:all>
</xs:complexType>
```

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Super-types:	None
Sub-types:	None

Name	liquidityFundSecurity
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <reportingPeriodMonth> xs:string (value comes from list: {'1' | '2' | '3'}) </reportingPeriodMonth> [1]
    <!-- Q65(a): Name of the issuer -->
    <issuerName> xs:string </issuerName> [1]
    <!-- Q65(b): Title of the issue (including coupon, if applicable) -->
    <issueTitle> xs:string </issueTitle> [1]
    <!-- Q65(c): CUSIP -->
    <cusip> xs:string </cusip> [0..1]
    <!-- Q65(d): LEI, if available -->
    <legalEntityId> xs:string </legalEntityId> [0..1]
    <!-- Q65(e):In addition to CUSIP and LEI, provide at least one of the following other identifiers - ISIN -->
    <isin> xs:string </isin> [0..1]
    <!-- Q65(e):In addition to CUSIP and LEI, provide at least one of the following other identifiers - CIK -->
    <cik> xs:string </cik> [0..1]
    <!-- Q65(e):In addition to CUSIP and LEI, provide at least one of the following other identifiers - Other unique
    identifier (indicate identifier and type of identifier) -->
    <otherIdentifier> xs:string </otherIdentifier> [0..1]
    <!-- Q65(f): The category of investment that most closely identifies the instrument -->
    <investmentCategory> liquidityFundInvestmentCategory </investmentCategory> [1]
    <otherInstrumentDescription> xs:string </otherInstrumentDescription> [0..1]
    <!-- Q65(g) specify whether the repo is "open" (i.e., the repo has no specified end date and, by its terms, will be
    extended or "rolled" each business day (or at another specified period) unless the investor chooses to terminate
    it), and provide the following information about the securities subject to the repo (i.e., the collateral):
    -->
    <repoDetail> [0..1]

    <!-- Q65(g)(i): Is the repo open?
    Q65(g)(ii): Is the repo centrally cleared?
    Q65(g)(iii): If the repo is centrally cleared, identify the CCP
    Q65(g)(iv): Is the repo settled on a tri-party platform?
    -->
    Start All[1]
      <isOpen> xs:boolean </isOpen> [1]
      <isCentrallyCleared> xs:boolean </isCentrallyCleared> [1]
      <ccp> xs:string </ccp> [0..1]
      <isSettledOnTripartyPlatform> xs:boolean </isSettledOnTripartyPlatform> [1]
      <repos> [0..1]
        <repoItem> repoItem </repoItem> [0..*]
      </repos>
    End All
  </repoDetail>

  <!-- Q65(h): If the rating assigned by a credit rating agency played a substantial role in the reporting fund's (or
  its adviser's) evaluation of the quality, maturity, or liquidity of the security, provide the name of each credit
  rating agency and the rating each assigned to the security.
  -->
  <creditRating> [0..1]
    <creditRatingItem> creditRatingItem </creditRatingItem> [0..*]
  </creditRating>

  <!-- Q65(i): The maturity date used to calculate WAM -->
  <maturityDateUsedForWAM> xs:date </maturityDateUsedForWAM> [0..1]

  <!-- Q65(j): The maturity date used to calculate WAL -->
  <maturityDateUsedForWAL> xs:date </maturityDateUsedForWAL> [0..1]

  <!-- Q65(k): The ultimate legal maturity date (i.e., the date on which, in accordance with the terms of the
  security without regard to any interest rate readjustment or demand feature, the principal amount must
  unconditionally be paid) -->
  <ultimateLegalMaturityDate> xs:date </ultimateLegalMaturityDate> [0..1]
  <demandFeature> [0..1]
    <demandFeatureItem> demandFeatureItem </demandFeatureItem> [0..*]
  </demandFeature>
```

```

<!-- Q65(m): If the security has a guarantee (other than an unconditional letter of credit reported in response to
Question 65(l) above) on which the reporting fund (or its adviser) is relying when evaluating the quality,
maturity, or liquidity of the security, provide the following information:
-->
<guarantee> [0..1]
  <guaranteeItem> guaranteeItem </guaranteeItem> [0..*]
</guarantee>
<enhancement> [0..1]
  <enhancementItem> enhancementItem </enhancementItem> [0..*]
</enhancement>

<!-- Q65(o): The yield of the security as of the reporting date -->
<yield> xs:decimal </yield> [1]

<!-- Q65(p): The total value of the reporting fund's position in the security, and separately, if the reporting
fund uses the amortized cost method of valuation, the amortized cost value, in both cases to the nearest cent -->
<position> [1]
  Start All[1]

    <!-- Q65(p)(i): Including the value of any sponsor support -->
    <totalValueIncludingSponsor> xs:decimal </totalValueIncludingSponsor> [1]

    <!-- Q65(p)(i): Including the value of any sponsor support amortized cost value -->
    <totalValueExcludingSponsor> xs:decimal </totalValueExcludingSponsor> [1]

    <!-- Q65(p)(ii): Excluding the value of any sponsor support -->
    <amortizedValueIncludingSponsor> xs:decimal </amortizedValueIncludingSponsor> [1]

    <!-- Q65(p)(ii): Excluding the value of any sponsor support amortized cost value -->
    <amortizedValueExcludingSponsor> xs:decimal </amortizedValueExcludingSponsor> [1]
  End All
</position>

<!-- Q65(q): The percentage of the reporting fund's net assets invested in the security, to the nearest hundredth
of a percent -->
<navPercentageOfFund> xs:decimal </navPercentageOfFund> [1]

<!-- Q65(r): Is the security categorized as a level 3 asset or liability in Question 20? -->
<isLevel3AssetLiability> xs:boolean </isLevel3AssetLiability> [1]

<!-- Q65(s): Is the security a daily liquid asset? -->
<isDailyLiquidAsset> xs:boolean </isDailyLiquidAsset> [1]

<!-- Q65(t): Is the security a weekly liquid asset? -->
<isWeeklyLiquidAsset> xs:boolean </isWeeklyLiquidAsset> [1]

<!-- Q65(u): Is the security an illiquid security? -->
<isIlliquidSecurity> xs:boolean </isIlliquidSecurity> [1]

<!-- Q65(v): Explanatory notes. Disclose any other information that may be material to other disclosures related to
the portfolio security -->
<explanatoryNote> xs:string </explanatoryNote> [0..1]
End All
</...>

```

## Schema Component Representation

```

<xs:complexType name="liquidityFundSecurity">
  <xs:all>
    <xs:element name="reportingPeriodMonth">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:enumeration value="1"/>
          <xs:enumeration value="2"/>
          <xs:enumeration value="3"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="issuerName" type="xs:string"/>
    <xs:element name="issueTitle" type="xs:string"/>
    <xs:element name="cusip" type="xs:string" minOccurs="0" maxOccurs="1"/>
    <xs:element name="legalEntityId" type="xs:string" minOccurs="0" maxOccurs="1"/>
    <xs:element name="isin" type="xs:string" minOccurs="0" maxOccurs="1"/>
    <xs:element name="cik" type="xs:string" minOccurs="0" maxOccurs="1"/>
    <xs:element name="otherIdentifier" type="xs:string" minOccurs="0" maxOccurs="1"/>
    <xs:element name="investmentCategory" type="liquidityFundInvestmentCategory"/>
    <xs:element name="otherInstrumentDescription" type="xs:string" minOccurs="0" maxOccurs="1"/>
    <xs:element name="repoDetail" minOccurs="0" maxOccurs="1">
      <xs:complexType>
        <xs:all>
          <xs:element name="isOpen" type="xs:boolean"/>
          <xs:element name="isCentrallyCleared" type="xs:boolean"/>
          <xs:element name="ccp" type="xs:string" minOccurs="0" maxOccurs="1"/>
          <xs:element name="isSettledOnTripartyPlatform" type="xs:boolean"/>
          <xs:element name="repos" minOccurs="0" maxOccurs="1">
            <xs:complexType>
              <xs:sequence>

```



```

        <xs:element name="repoItem" type="repoItem" minOccurs="0" maxOccurs="unbounded"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:all>
</xs:complexType>
</xs:element>
<xs:element name="creditRating" minOccurs="0" maxOccurs="1">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="creditRatingItem" type="creditRatingItem" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="maturityDateUsedForWAM" type="xs:date" minOccurs="0" maxOccurs="1"/>
<xs:element name="maturityDateUsedForWAL" type="xs:date" minOccurs="0" maxOccurs="1"/>
<xs:element name="ultimateLegalMaturityDate" type="xs:date" minOccurs="0" maxOccurs="1"/>
<xs:element name="demandFeature" minOccurs="0" maxOccurs="1">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="demandFeatureItem" type="demandFeatureItem" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="guarantee" minOccurs="0" maxOccurs="1">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="guaranteeItem" type="guaranteeItem" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="enhancement" minOccurs="0" maxOccurs="1">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="enhancementItem" type="enhancementItem" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="yield" type="xs:decimal"/>
<xs:element name="position">
  <xs:complexType>
    <xs:all>
      <xs:element name="totalValueIncludingSponsor" type="xs:decimal"/>
      <xs:element name="totalValueExcludingSponsor" type="xs:decimal"/>
      <xs:element name="amortizedValueIncludingSponsor" type="xs:decimal"/>
      <xs:element name="amortizedValueExcludingSponsor" type="xs:decimal"/>
    </xs:all>
  </xs:complexType>
</xs:element>
<xs:element name="navPercentageOfFund" type="xs:decimal"/>
<xs:element name="isLevel3AssetLiability" type="xs:boolean"/>
<xs:element name="isDailyLiquidAsset" type="xs:boolean"/>
<xs:element name="isWeeklyLiquidAsset" type="xs:boolean"/>
<xs:element name="isIlliquidSecurity" type="xs:boolean"/>
<xs:element name="explanatoryNote" type="xs:string" minOccurs="0" maxOccurs="1"/>
</xs:all>
</xs:complexType>

```

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Complex Type: **liquidityPercentageByPeriod**

Super-types:	None
Sub-types:	None

Name	liquidityPercentageByPeriod
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <oneDayOrLess> xs:decimal </oneDayOrLess> [1]
    <days2To7> xs:decimal </days2To7> [1]
    <days8To30> xs:decimal </days8To30> [1]
    <days31To90> xs:decimal </days31To90> [1]
    <days91To180> xs:decimal </days91To180> [1]
    <days181To365> xs:decimal </days181To365> [1]
    <longerThan365Days> xs:decimal </longerThan365Days> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="liquidityPercentageByPeriod">
  <xs:all>
    <xs:element name="oneDayOrLess" type="xs:decimal"/>
    <xs:element name="days2To7" type="xs:decimal"/>
    <xs:element name="days8To30" type="xs:decimal"/>
    <xs:element name="days31To90" type="xs:decimal"/>
    <xs:element name="days91To180" type="xs:decimal"/>
    <xs:element name="days181To365" type="xs:decimal"/>
    <xs:element name="longerThan365Days" type="xs:decimal"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: **longShortAmounts**

Super-types:	None
Sub-types:	None

Name	longShortAmounts
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <long> xs:integer </long> [1]
    <short> xs:integer </short> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="longShortAmounts">
  <xs:all>
    <xs:element name="long" type="xs:integer"/>
    <xs:element name="short" type="xs:integer"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: **longShortIntegers**

Super-types:	None
Sub-types:	None

Name	longShortIntegers
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <long> xs:integer </long> [1]
    <short> xs:integer </short> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="longShortIntegers">
  <xs:all>
    <xs:element name="long" type="xs:integer"/>
    <xs:element name="short" type="xs:integer"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: **longShortPercents**

Super-types:	None
Sub-types:	None

Name	longShortPercents
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <long> xs:decimal </long> [1]
    <short> xs:decimal </short> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="longShortPercents">
  <xs:all>
    <xs:element name="long" type="xs:decimal"/>
    <xs:element name="short" type="xs:decimal"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: **masterFundInfo**

Super-types:	None
Sub-types:	None

Name	masterFundInfo
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <name> xs:string </name> [1]
    <fundId> xs:string </fundId> [1]
    <legalEntityId> xs:string </legalEntityId> [0..1]
    <value> xs:integer </value> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="masterFundInfo">
  <xs:all>
    <xs:element name="name" type="xs:string"/>
    <xs:element name="fundId" type="xs:string"/>
    <xs:element name="legalEntityId" type="xs:string" minOccurs="0" maxOccurs="1"/>
    <xs:element name="value" type="xs:integer"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: **navPercentageOfSuspensionOrRestrictionsType**

Super-types:	None
Sub-types:	None

Name	navPercentageOfSuspensionOrRestrictionsType
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <!-- Q63(a): May be subjected to a suspension of investor withdrawals/redemptions by an adviser or fund governing
    body (this question relates to an adviser's or governing body's right to suspend and not just whether a suspension
    is currently effective) -->
    <maybeSubjectedToSuspension> xs:decimal </maybeSubjectedToSuspension> [1]
    <!-- Q63(b): May be subjected to material restrictions on investor withdrawals/redemptions (e.g., "gates") by an
    adviser or fund governing body (this question relates to an adviser's or governing body's right to impose a
    restriction and not just whether a restriction been imposed) -->
    <maybeSubjectedToMaterialRestrictions> xs:decimal </maybeSubjectedToMaterialRestrictions> [1]
    <!-- Q63(c): Is subject to a suspension of investor withdrawals/redemptions (this question relates to whether a
    suspension is currently effective and not just an adviser's or governing body's right to suspend) -->
    <subjectedToSuspension> xs:decimal </subjectedToSuspension> [1]
    <!-- Q63(d): Is subject to a material restriction on investor withdrawals/redemptions (e.g., a "gate") (this
    question relates to whether a restriction has been imposed and not just an adviser's or governing body's right to
    impose a restriction) -->
    <subjectedToMaterialRestrictions> xs:decimal </subjectedToMaterialRestrictions> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="navPercentageOfSuspensionOrRestrictionsType">
  <xs:all>
    <xs:element name="maybeSubjectedToSuspension" type="xs:decimal"/>
    <xs:element name="maybeSubjectedToMaterialRestrictions" type="xs:decimal"/>
    <xs:element name="subjectedToSuspension" type="xs:decimal"/>
    <xs:element name="subjectedToMaterialRestrictions" type="xs:decimal"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: **peakToTroughDrawdown**

Super-types:	None
Sub-types:	None

Name	peakToTroughDrawdown
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <baseCurrencyAmount> xs:integer </baseCurrencyAmount> [1]
    <baseCurrencyPercentage> xs:decimal </baseCurrencyPercentage> [1]
    <beginningDate> xs:date </beginningDate> [1]
    <endDate> xs:date </endDate> [0..1]
    <isDrawdownContinuing> xs:boolean </isDrawdownContinuing> [0..1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="peakToTroughDrawdown">
  <xs:all>
    <xs:element name="baseCurrencyAmount" type="xs:integer"/>
    <xs:element name="baseCurrencyPercentage" type="xs:decimal"/>
    <xs:element name="beginningDate" type="xs:date" />
    <xs:element name="endDate" type="xs:date" minOccurs="0" maxOccurs="1"/>
    <xs:element name="isDrawdownContinuing" type="xs:boolean" minOccurs="0" maxOccurs="1"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: **percentageBorrowingBySource**

Super-types:	None
Sub-types:	None

Name	percentageBorrowingBySource
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <fromUSDepository> xs:decimal </fromUSDepository> [0..1]
    <fromUSCreditors> xs:decimal </fromUSCreditors> [0..1]
    <fromNonUSCreditors> xs:decimal </fromNonUSCreditors> [0..1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="percentageBorrowingBySource">
  <xs:all>
    <xs:element name="fromUSDepository" type="xs:decimal" minOccurs="0" maxOccurs="1"/>
    <xs:element name="fromUSCreditors" type="xs:decimal" minOccurs="0" maxOccurs="1"/>
    <xs:element name="fromNonUSCreditors" type="xs:decimal" minOccurs="0" maxOccurs="1"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: performanceInvestmentStrategyItem

Super-types:	None
Sub-types:	None

Name	performanceInvestmentStrategyItem
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <strategyType> investmentStrategyType </strategyType> [1]
    <month1> xs:decimal </month1> [1]
    <month2> xs:decimal </month2> [1]
    <month3> xs:decimal </month3> [1]
    <quarterly> xs:decimal </quarterly> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="performanceInvestmentStrategyItem">
  <xs:all>
    <xs:element name="strategyType" type="investmentStrategyType" />
    <xs:element name="month1" type="xs:decimal" />
    <xs:element name="month2" type="xs:decimal" />
    <xs:element name="month3" type="xs:decimal" />
    <xs:element name="quarterly" type="xs:decimal" />
  </xs:all>
</xs:complexType>
```

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Complex Type: **performanceItem**

Super-types:	None
Sub-types:	None

Name	performanceItem
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <endDate> dateNAType </endDate> [1]
    <grossPerformance> decimalNAType </grossPerformance> [1]
    <netPerformance> decimalNAType </netPerformance> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="performanceItem">
  <xs:all>
    <xs:element name="endDate" type="dateNAType"/>
    <xs:element name="grossPerformance" type="decimalNAType"/>
    <xs:element name="netPerformance" type="decimalNAType"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: **portfolioCompanyByIndustryItem**

Super-types:	None
Sub-types:	None

Name	portfolioCompanyByIndustryItem
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <naicsCode> NAICSCodeType </naicsCode> [1]
    <investmentsPercentage> xs:decimal </investmentsPercentage> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="portfolioCompanyByIndustryItem">
  <xs:all>
    <xs:element name="naicsCode" type="NAICSCodeType"/>
    <xs:element name="investmentsPercentage" type="xs:decimal"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: **privateEquityInvestmentStrategy**

Super-types:	None
Sub-types:	None

Name	privateEquityInvestmentStrategy
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <strategyType> investmentStrategyType </strategyType> [1]
    <percentageCapital> xs:decimal </percentageCapital> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="privateEquityInvestmentStrategy">
  <xs:all>
    <xs:element name="strategyType" type="investmentStrategyType" />
    <xs:element name="percentageCapital" type="xs:decimal" />
  </xs:all>
</xs:complexType>
```

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Complex Type: **repoItem**

Super-types:	None
Sub-types:	None

Name	repoItem
Abstract	no

XML Instance Representation

```
<...>

<!-- Q65(g)
    (v) Name of the collateral issuer
    (vi) CUSIP
    (vii) LEI, if any
    (viii) Maturity date
    (ix) Coupon or yield
    (x) The principal amount, to the nearest cent
    (xi) Value of the collateral, to the nearest cent
    (xii) The category of investment that most closely represents the collateral.
-->
Start All[1]
<collateralIssuerName> xs:string </collateralIssuerName> [1]
<cusip> xs:string </cusip> [0..1]
<legalEntityId> xs:string </legalEntityId> [0..1]
<maturityDate> [0..1]
  Start All[1]
    <singleDate> xs:date </singleDate> [0..1]
    <range> [0..1]
      Start All[1]
        <startDate> xs:date </startDate> [1]
        <endDate> xs:date </endDate> [1]
      End All
    </range>
  End All
</maturityDate>
<couponOrYield> xs:decimal </couponOrYield> [1]
<principalAmount> xs:decimal </principalAmount> [1]
<collateralValue> xs:decimal </collateralValue> [1]
<collateralInvestmentCategory> collateralInvestmentCategoryType </collateralInvestmentCategory> [1]
<otherInstrumentDescription> xs:string </otherInstrumentDescription> [0..1]
End All
</...>
```

Schema Component Representation

```
<xs:complexType name="repoItem">
  <xs:all>
    <xs:element name="collateralIssuerName" type="xs:string"/>
    <xs:element name="cusip" type="xs:string" minOccurs="0" maxOccurs="1"/>
    <xs:element name="legalEntityId" type="xs:string" minOccurs="0" maxOccurs="1"/>
    <xs:element name="maturityDate" minOccurs="0" maxOccurs="1">
      <xs:complexType>
        <xs:all>
          <xs:element name="singleDate" type="xs:date" minOccurs="0" maxOccurs="1"/>
          <xs:element name="range" minOccurs="0" maxOccurs="1">
            <xs:complexType>
              <xs:all>
                <xs:element name="startDate" type="xs:date"/>
                <xs:element name="endDate" type="xs:date"/>
              </xs:all>
            </xs:complexType>
          </xs:element>
        </xs:all>
      </xs:complexType>
    </xs:element>
    <xs:element name="couponOrYield" type="xs:decimal"/>
    <xs:element name="principalAmount" type="xs:decimal"/>
    <xs:element name="collateralValue" type="xs:decimal"/>
    <xs:element name="collateralInvestmentCategory" type="collateralInvestmentCategoryType"/>
    <xs:element name="otherInstrumentDescription" type="xs:string" minOccurs="0" maxOccurs="1"/>
  </xs:all>
</xs:complexType>
```



Complex Type: **securedRepoOrOther**

Super-types:	None
Sub-types:	None

Name	securedRepoOrOther
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <cash> borrowLendAmounts </cash> [1]
    <governmentSecurities> borrowLendAmounts </governmentSecurities> [1]
    <otherSecurities> borrowLendAmounts </otherSecurities> [1]
    <otherCollateralOrCreditSupport> borrowLendAmounts </otherCollateralOrCreditSupport> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="securedRepoOrOther">
  <xs:all>
    <xs:element name="cash" type="borrowLendAmounts" />
    <xs:element name="governmentSecurities" type="borrowLendAmounts" />
    <xs:element name="otherSecurities" type="borrowLendAmounts" />
    <xs:element name="otherCollateralOrCreditSupport" type="borrowLendAmounts" />
  </xs:all>
</xs:complexType>
```

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Complex Type: **securedRepoOrOtherConsolidated**

Super-types:	None
Sub-types:	None

Name	securedRepoOrOtherConsolidated
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <cash> borrowLendAmounts </cash> [1]
    <governmentSecurities> borrowLendAmounts </governmentSecurities> [1]
    <otherSecurities> borrowLendAmounts </otherSecurities> [1]
    <otherCollateralOrCreditSupport> borrowLendAmounts </otherCollateralOrCreditSupport> [1]
    <percentageBorrowing> percentageBorrowingBySource </percentageBorrowing> [1]
    <postedCollateralFor1PercentMarginIncrease> xs:decimal </postedCollateralFor1PercentMarginIncrease> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="securedRepoOrOtherConsolidated">
  <xs:all>
    <xs:element name="cash" type="borrowLendAmounts" />
    <xs:element name="governmentSecurities" type="borrowLendAmounts" />
    <xs:element name="otherSecurities" type="borrowLendAmounts" />
    <xs:element name="otherCollateralOrCreditSupport" type="borrowLendAmounts" />
    <xs:element name="percentageBorrowing" type="percentageBorrowingBySource" />
    <xs:element name="postedCollateralFor1PercentMarginIncrease" type="xs:decimal" />
  </xs:all>
</xs:complexType>
```

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Complex Type: **standardChangeEffect**

Super-types:	None
Sub-types:	None

Name	standardChangeEffect
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <increase10Percent> longShortPercents </increase10Percent> [0..1]
    <decrease10Percent> longShortPercents </decrease10Percent> [0..1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="standardChangeEffect">
  <xs:all>
    <xs:element name="increase10Percent" type="longShortPercents" minOccurs="0" maxOccurs="1"/>
    <xs:element name="decrease10Percent" type="longShortPercents" minOccurs="0" maxOccurs="1"/>
  </xs:all>
</xs:complexType>
```

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Super-types:	None
Sub-types:	None

Name	top5CreditorExposureItem
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <counterpartyExposure> creditorCounterpartyExposure </counterpartyExposure> [1]
    <hasPrimeBrokerageAgreement> xs:boolean </hasPrimeBrokerageAgreement> [0..1]
    <exposureBreakdown> counterpartyExposureBreakdown </exposureBreakdown> [0..1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="top5CreditorExposureItem">
  <xs:all>
    <xs:element name="counterpartyExposure" type="creditorCounterpartyExposure" />
    <xs:element name="hasPrimeBrokerageAgreement" type="xs:boolean" minOccurs="0" maxOccurs="1" />
    <xs:element name="exposureBreakdown" type="counterpartyExposureBreakdown" minOccurs="0" maxOccurs="1" />
  </xs:all>
</xs:complexType>
```

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Complex Type: top5DebtorExposureItem

Super-types:	None
Sub-types:	None
Name	top5DebtorExposureItem
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <counterpartyExposure> debtorCounterpartyExposure </counterpartyExposure> [1]
    <hasPrimeBrokerageAgreement> xs:boolean </hasPrimeBrokerageAgreement> [0..1]
    <exposureBreakdown> counterpartyExposureBreakdown </exposureBreakdown> [0..1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="top5DebtorExposureItem">
  <xs:all>
    <xs:element name="counterpartyExposure" type="debtorCounterpartyExposure"/>
    <xs:element name="hasPrimeBrokerageAgreement" type="xs:boolean" minOccurs="0" maxOccurs="1"/>
    <xs:element name="exposureBreakdown" type="counterpartyExposureBreakdown" minOccurs="0" maxOccurs="1"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: tradingAndClearingItems

Super-types:	None
Sub-types:	None

Name	tradingAndClearingItems
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <valueTraded> integerNAType </valueTraded> [0..1]
    <valueOfPositionsPeriodEnd> integerNAType </valueOfPositionsPeriodEnd> [0..1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="tradingAndClearingItems">
  <xs:all>
    <xs:element name="valueTraded" type="integerNAType" minOccurs="0" maxOccurs="1"/>
    <xs:element name="valueOfPositionsPeriodEnd" type="integerNAType" minOccurs="0" maxOccurs="1"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: turnoverByAssetItem

Super-types:	None
Sub-types:	None

Name	turnoverByAssetItem
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <month1> xs:integer </month1> [1]
    <month2> xs:integer </month2> [1]
    <month3> xs:integer </month3> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="turnoverByAssetItem">
  <xs:all>
    <xs:element name="month1" type="xs:integer"/>
    <xs:element name="month2" type="xs:integer"/>
    <xs:element name="month3" type="xs:integer"/>
  </xs:all>
</xs:complexType>
```

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Complex Type: **varItem**

Super-types:	None
Sub-types:	None

Name	varItem
Abstract	no

XML Instance Representation

```
<...>
  Start All[1]
    <confidenceInterval> xs:decimal </confidenceInterval> [1]
    <timeHorizon> xs:integer </timeHorizon> [1]
    <weightingMethod> xs:string (value comes from list: {'None' | 'Exponential' | 'Other'}) </weightingMethod> [1]
    <weightingMethodOtherDescription> xs:string </weightingMethodOtherDescription> [0..1]
    <weightingFactor> xs:decimal </weightingFactor> [0..1]
    <calculationMethod> xs:string (value comes from list: {'Historical simulation' | 'Monte Carlo simulation' | 'Parametric' | 'Other'}) </calculationMethod> [1]
    <calculationMethodOtherDescription> xs:string </calculationMethodOtherDescription> [0..1]
    <lookbackPeriod> integerNAType </lookbackPeriod> [1]
    <month1VaR> xs:decimal </month1VaR> [1]
    <month2VaR> xs:decimal </month2VaR> [1]
    <month3VaR> xs:decimal </month3VaR> [1]
  End All
</...>
```

Schema Component Representation

```
<xs:complexType name="varItem">
  <xs:all>
    <xs:element name="confidenceInterval" type="xs:decimal"/>
    <xs:element name="timeHorizon" type="xs:integer"/>
    <xs:element name="weightingMethod">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:enumeration value="None"/>
          <xs:enumeration value="Exponential"/>
          <xs:enumeration value="Other"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="weightingMethodOtherDescription" type="xs:string" minOccurs="0" maxOccurs="1"/>
    <xs:element name="weightingFactor" type="xs:decimal" minOccurs="0" maxOccurs="1"/>
    <xs:element name="calculationMethod">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:enumeration value="Historical simulation"/>
          <xs:enumeration value="Monte Carlo simulation"/>
          <xs:enumeration value="Parametric"/>
          <xs:enumeration value="Other"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="calculationMethodOtherDescription" type="xs:string" minOccurs="0" maxOccurs="1"/>
    <xs:element name="lookbackPeriod" type="integerNAType"/>
    <xs:element name="month1VaR" type="xs:decimal"/>
    <xs:element name="month2VaR" type="xs:decimal"/>
    <xs:element name="month3VaR" type="xs:decimal"/>
  </xs:all>
</xs:complexType>
```

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Simple Type: **actionCode**

Super-types:	<a href="#">xs:string</a> < <b>actionCode</b> (by restriction)
Sub-types:	None

Name	actionCode
Content	<ul style="list-style-type: none"><li>Base XSD Type: string</li><li>value comes from list: {'RMV'   'UPD'   'NOC'}</li></ul>
Documentation	UPD: Update Fund, RMV: Remove Fund, NOC: No action

Schema Component Representation

```
<xs:simpleType name="actionCode">
  <xs:restriction base="xs:string">
    <xs:enumeration value="RMV"/>
    <xs:enumeration value="UPD"/>
    <xs:enumeration value="NOC"/>
  </xs:restriction>
</xs:simpleType>
```

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Simple Type: collateralInvestmentCategoryType

Super-types:	<a href="#">xs:string</a> < <b>collateralInvestmentCategoryType</b> (by restriction)
Sub-types:	None

Name	collateralInvestmentCategoryType
Content	<ul style="list-style-type: none"><li>Base XSD Type: string</li><li>value comes from list: {'CASH'   'ABS'   'ACMO'   'ABANDAS'   'AMBS'   'PLCMO'   'CDS'   'EQ'   'MM'   'USTINCLS'   'OTHR'}</li></ul>
Documentation	<p>CASH - Cash ABS - Asset Backed Securities ACMO - Agency Collateralized Mortgage Obligations ABANDAS - Agency Debentures and Agency Strips AMBS - Agency Mortgage Backed Securities PLCMO - Private Label Collateralized Mortgage Obligations CDS - Corporate Debt Securities EQ- Equities MM - Money Market USTINCLS - U.S. Treasuries (including strips) OTHR - Other Instrument</p>

Schema Component Representation

```
<xs:simpleType name="collateralInvestmentCategoryType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="CASH"/>
    <xs:enumeration value="ABS"/>
    <xs:enumeration value="ACMO"/>
    <xs:enumeration value="ABANDAS"/>
    <xs:enumeration value="AMBS"/>
    <xs:enumeration value="PLCMO"/>
    <xs:enumeration value="CDS"/>
    <xs:enumeration value="EQ"/>
    <xs:enumeration value="MM"/>
    <xs:enumeration value="USTINCLS"/>
    <xs:enumeration value="OTHR"/>
  </xs:restriction>
</xs:simpleType>
```

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Simple Type: **countryType**

Super-types:	<a href="#">xs:string</a> < <b>countryType</b> (by restriction)
Sub-types:	None

Name	countryType
Content	<ul style="list-style-type: none"><li>Base XSD Type: string</li><li><i>value</i> comes from list: {'USA'   'AFG'   'ALA'   'ALB'   'DZA'   'ASM'   'AND'   'AGO'   'AIA'   'ATA'   'ATG'   'ARG'   'ARM'   'ABW'   'AUS'   'AUT'   'AZE'   'BHS'   'BHR'   'BGD'   'BRB'   'BLR'   'BEL'   'BLZ'   'BEN'   'BMU'   'BTN'   'BOL'   'BES'   'BIH'   'BWA'   'BVT'   'BRA'   'IOT'   'VGB'   'BRN'   'BGR'   'BFA'   'MMR'   'BDI'   'KHM'   'CMR'   'CAN'   'CPV'   'CYM'   'CAF'   'TCD'   'CHL'   'CHN'   'CXR'   'CCK'   'COL'   'COM'   'COD'   'COG'   'COK'   'CRI'   'CIV'   'HRV'   'CUB'   'CUW'   'CYP'   'CZE'   'DNK'   'DJI'   'DMA'   'DOM'   'ECU'   'EGY'   'SLV'   'GNQ'   'ERI'   'EST'   'SWZ'   'ETH'   'FLK'   'FRO'   'FJI'   'FIN'   'FRA'   'GUF'   'PYF'   'ATF'   'GAB'   'GMB'   'GEO'   'DEU'   'GHA'   'GIB'   'GRC'   'GRL'   'GRD'   'GLP'   'GUM'   'GTM'   'GGY'   'GIN'   'GNB'   'GUY'   'HTI'   'HMD'   'VAT'   'HND'   'HKG'   'HUN'   'ISL'   'IND'   'IDN'   'IRN'   'IRQ'   'IRL'   'IMN'   'ISR'   'ITA'   'JAM'   'JPN'   'JEY'   'JOR'   'KAZ'   'KEN'   'KIR'   'PRK'   'KOR'   'KWT'   'KGZ'   'LAO'   'LVA'   'LBN'   'LSO'   'LBR'   'LBY'   'LIE'   'LTU'   'LUX'   'MAC'   'MDG'   'MWI'   'MYS'   'MDV'   'MLI'   'MLT'   'MHL'   'MTQ'   'MRT'   'MUS'   'MYT'   'MEX'   'FSM'   'MDA'   'MCO'   'MNG'   'MNE'   'MSR'   'MAR'   'MOZ'   'NAM'   'NRU'   'NPL'   'NLD'   'NCL'   'NZL'   'NIC'   'NER'   'NGA'   'NIU'   'NFK'   'MKD'   'MNP'   'NOR'   'OMN'   'NON'   'PAK'   'PLW'   'PSE'   'PAN'   'PNG'   'PRY'   'PER'   'PHL'   'PCN'   'POL'   'PRT'   'QAT'   'REU'   'ROU'   'RUS'   'RWA'   'BLM'   'SHN'   'KNA'   'LCA'   'MAF'   'SPM'   'VCT'   'WSM'   'SMR'   'STP'   'SAU'   'SEN'   'SRB'   'SYC'   'SLE'   'SGP'   'SXM'   'SVK'   'SVN'   'SLB'   'SOM'   'ZAF'   'SGS'   'SSD'   'ESP'   'LKA'   'SDN'   'SUR'   'SJM'   'SWE'   'CHE'   'SYR'   'TWN'   'TJK'   'TZA'   'THA'   'TLS'   'TGO'   'TKL'   'TON'   'TTO'   'TUN'   'TUR'   'TKM'   'TCA'   'TUV'   'UGA'   'UKR'   'ARE'   'GBR'   'UMI'   'URY'   'UZB'   'VUT'   'VEN'   'VNM'   'WLF'   'ESH'   'YEM'   'ZMB'   'ZWE' }</li></ul>
Documentation	<p>USA - United States</p> <p>AFG - Afghanistan</p> <p>ALA - Aland Islands</p> <p>ALB - Albania</p> <p>DZA - Algeria</p> <p>ASM - American Samoa</p> <p>AND - Andorra</p> <p>AGO - Angola</p> <p>AIA - Anguilla</p> <p>ATA - Antarctica</p> <p>ATG - Antigua and Barbuda</p> <p>ARG - Argentina</p> <p>ARM - Armenia</p> <p>ABW - Aruba</p> <p>AUS - Australia</p> <p>AUT - Austria</p> <p>AZE - Azerbaijan</p> <p>BHS - Bahamas, The</p> <p>BHR - Bahrain</p> <p>BGD - Bangladesh</p> <p>BRB - Barbados</p> <p>BLR - Belarus</p> <p>BEL - Belgium</p> <p>BLZ - Belize</p> <p>BEN - Benin</p> <p>BMU - Bermuda</p> <p>BTN - Bhutan</p> <p>BOL - Bolivia</p> <p>BES - Bonaire, Sint Eustatius and Saba</p> <p>BIH - Bosnia and Herzegovina</p> <p>BWA - Botswana</p> <p>BVT - Bouvet Island</p> <p>BRA - Brazil</p> <p>IOT - British Indian Ocean Territory (The)</p> <p>VGB - British Virgin Islands</p> <p>BRN - Brunei</p> <p>BGR - Bulgaria</p> <p>BFA - Burkina Faso</p> <p>MMR - Burma (Myanmar)</p> <p>BDI - Burundi</p> <p>KHM - Cambodia</p> <p>CMR - Cameroon</p> <p>CAN - Canada</p> <p>CPV - Cape Verde Islands</p> <p>CYM - Cayman Islands</p> <p>CAF - Central African Republic</p> <p>TCD - Chad</p> <p>CHL - Chile</p> <p>CHN - China</p>

CXR - Christmas Island  
CCK - Cocos (Keeling) Islands  
COL - Colombia  
COM - Comoros  
COD - Congo (Democratic Republic of Zaire)  
COG - Congo, Republic of  
COK - Cook Islands  
CRI - Costa Rica  
CIV - Cote de Ivoire (Ivory Coast)  
HRV - Croatia  
CUB - Cuba  
CUW - Curacao  
CYP - Cyprus  
CZE - Czech Republic  
DNK - Denmark  
DJI - Djibouti  
DMA - Dominica  
DOM - Dominican Republic  
ECU - Ecuador  
EGY - Egypt (United Arab Republic)  
SLV - El Salvador  
GNQ - Equatorial Guinea  
ERI - Eritrea  
EST - Estonia  
SWZ - Eswatini  
ETH - Ethiopia  
FLK - Falkland Islands (Islas Malvinas)  
FRO - Faroe Islands  
FJI - Fiji Islands  
FIN - Finland  
FRA - France  
GUF - French Guiana  
PYF - French Polynesia  
ATF - French Southern Territories (The)  
GAB - Gabon  
GMB - Gambia  
GEO - Georgia/Gruzinskaya  
DEU - Germany  
GHA - Ghana  
GIB - Gibraltar  
GRC - Greece  
GRL - Greenland  
GRD - Grenada  
GLP - Guadeloupe  
GUM - Guam  
GTM - Guatemala  
GGY - Guernsey  
GIN - Guinea  
GNB - Guinea Bissau  
GUY - Guyana  
HTI - Haiti  
HMD - Heard Island and McDonald Islands  
VAT - Holy See (The) [Vatican City State]  
HND - Honduras  
HKG - Hong Kong  
HUN - Hungary  
ISL - Iceland  
IND - India  
IDN - Indonesia  
IRN - Iran  
IRQ - Iraq  
IRL - Ireland  
IMN - Isle of Man  
ISR - Israel  
ITA - Italy  
JAM - Jamaica  
JPN - Japan  
JEY - Jersey  
JOR - Jordan  
KAZ - Kazakhstan  
KEN - Kenya  
KIR - Kiribati  
PRK - Korea, North  
KOR - Korea, South  
KWT - Kuwait  
KGZ - Kyrgyzstan  
LAO - Laos  
LVA - Latvia  
LBN - Lebanon  
LSO - Lesotho

LBR - Liberia  
LBY - Libya  
LIE - Liechtenstein  
LTU - Lithuania  
LUX - Luxembourg  
MAC - Macau  
MDG - Madagascar  
MWI - Malawi  
MYS - Malaysia  
MDV - Maldives  
MLI - Mali  
MLT - Malta  
MHL - Marshall Islands  
MTQ - Martinique  
MRT - Mauritania  
MUS - Mauritius  
MYT - Mayotte  
MEX - Mexico  
FSM - Micronesia, Federated States of  
MDA - Moldova  
MCO - Monaco  
MNG - Mongolia  
MNE - Montenegro  
MSR - Montserrat  
MAR - Morocco  
MOZ - Mozambique  
NAM - Namibia  
NRU - Nauru  
NPL - Nepal  
NLD - Netherlands  
NCL - New Caledonia  
NZL - New Zealand  
NIC - Nicaragua  
NER - Niger  
NGA - Nigeria  
NIU - Niue  
NFK - Norfolk Island  
MKD - North Macedonia  
MNP - Northern Mariana Islands  
NOR - Norway  
OMN - Oman  
NON - Other  
PAK - Pakistan  
PLW - Palau  
PSE - Palestine, State of  
PAN - Panama  
PNG - Papua New Guinea  
PRY - Paraguay  
PER - Peru  
PHL - Philippines  
PCN - Pitcairn Islands (Ducie, Henderson, Oeno)  
POL - Poland  
PRT - Portugal  
QAT - Qatar  
REU - Reunion  
ROU - Romania  
RUS - Russia  
RWA - Rwanda  
BLM - Saint Barthelemy  
SHN - Saint Helena  
KNA - Saint Kitts and Nevis  
LCA - Saint Lucia  
MAF - Saint Martin (French part)  
SPM - Saint Pierre and Miquelon  
VCT - Saint Vincent and The Grenadines  
WSM - Samoa  
SMR - San Marino  
STP - Sao Tome and Principe  
SAU - Saudi Arabia  
SEN - Senegal  
SRB - Serbia  
SYC - Seychelles  
SLE - Sierra Leone  
SGP - Singapore  
SXM - Sint Maarten (Dutch part)  
SVK - Slovakia  
SVN - Slovenia  
SLB - Solomon Islands  
SOM - Somalia  
ZAF - South Africa

SGS - South Georgia/South Sandwich Islands  
SSD - South Sudan  
ESP - Spain  
LKA - Sri Lanka  
SDN - Sudan  
SUR - Surinam  
SJM - Svalbard  
SWE - Sweden  
CHE - Switzerland  
SYR - Syria  
TWN - Taiwan, Republic of China  
TJK - Tajikistan  
TZA - Tanzania  
THA - Thailand  
TLS - Timor-Leste  
TGO - Togo  
TKL - Tokelau  
TON - Tonga  
TTO - Trinidad and Tobago  
TUN - Tunisia  
TUR - Turkey  
TKM - Turkmenistan  
TCA - Turks and Caicos Islands  
TUV - Tuvalu  
UGA - Uganda  
UKR - Ukraine  
ARE - United Arab Emirates  
GBR - United Kingdom  
UMI - United States Minor Outlying Islands (The)  
URY - Uruguay  
UZB - Uzbekistan  
VUT - Vanuatu  
VEN - Venezuela  
VNM - Vietnam  
WLF - Wallis and Futuna  
ESH - Western Sahara  
YEM - Yemen  
ZMB - Zambia  
ZWE - Zimbabwe

#### Schema Component Representation

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```

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Simple Type: currencyCodeType

Super-types:	<a href="#">xs:string</a> < <b>currencyCodeType</b> (by restriction)
Sub-types:	None

Name	currencyCodeType
Content	<div><ul style="list-style-type: none"><li>Base XSD Type: string</li><li><i>value</i> comes from list: {'USD'   'AED'   'AFN'   'ALL'   'AMD'   'ANG'   'AOA'   'ARS'   'AUD'   'AWG'   'AZN'   'BAM'   'BBD'   'BDT'   'BGN'   'BHD'   'BIF'   'BMD'   'BND'   'BOB'   'BOV'   'BRL'   'BSD'   'BTN'   'BWP'   'BYN'   'BZD'   'CAD'   'CDF'   'CHE'   'CHF'   'CHW'   'CLF'   'CLP'   'CNY'   'COP'   'COU'   'CRC'   'CUC'   'CUP'   'CVE'   'CZK'   'DJF'   'DKK'   'DOP'   'DZD'   'EGP'   'ERN'   'ETB'   'EUR'   'FJD'   'FKP'   'GBP'   'GEL'   'GHS'   'GIP'   'GMD'   'GNF'   'GTQ'   'GYD'   'HKD'   'HNL'   'HTG'   'HUF'   'IDR'   'ILS'   'INR'   'IQD'   'IRR'   'ISK'   'JMD'   'JOD'   'JPY'   'KES'   'KGS'   'KHR'   'KMF'   'KPW'   'KRW'   'KWD'   'KYD'   'KZT'   'LAK'   'LBP'   'LKR'   'LRD'   'LSL'   'LYD'   'MAD'   'MDL'   'MGA'   'MKD'   'MMK'   'MNT'   'MOP'   'MRU'   'MUR'   'MVR'   'MWK'   'MXN'   'MXV'   'MYR'   'MZN'   'NAD'   'NGN'   'NIO'   'NOK'   'NPR'   'NZD'   'OMR'   'OTH'   'PAB'   'PEN'   'PGK'   'PHP'   'PKR'   'PLN'   'PYG'   'QAR'   'RON'   'RSD'   'RUB'   'RWF'   'SAR'   'SBD'   'SCR'   'SDG'   'SEK'   'SGD'   'SHP'   'SLE'   'SOS'   'SRD'   'SSP'   'STN'   'SVC'   'SYP'   'SZL'   'THB'   'TJS'   'TMT'   'TND'   'TOP'   'TRY'   'TTD'   'TWD'   'TZS'   'UAH'   'UGX'   'USD'   'UYI'   'UYU'   'UYW'   'UZS'   'VED'   'VES'   'VND'   'VUV'   'WST'   'XAF'   'XAG'   'XAU'   'XBA'   'XBB'   'XBC'   'XBD'   'XCD'   'XDR'   'XOF'   'XPD'   'XPF'   'XPT'   'XSU'   'XTS'   'XUA'   'XXX'   'YER'   'ZAR'   'ZMW'   'ZWL' }</li></ul></div>
Documentation	<div>"USD": "US Dollar" "AED": "UAE Dirham" "AFN": "Afghani" "ALL": "Lek" "AMD": "Armenian Dram" "ANG": "Netherlands Antillean Guilder" "AOA": "Kwanza" "ARS": "Argentine Peso" "AUD": "Australian Dollar" "AWG": "Aruban Florin" "AZN": "Azerbaijan Manat" "BAM": "Convertible Mark" "BBD": "Barbados Dollar" "BDT": "Taka" "BGN": "Bulgarian Lev" "BHD": "Bahraini Dinar" "BIF": "Burundi Franc" "BMD": "Bermudian Dollar" "BND": "Brunei Dollar" "BOB": "Boliviano" "BOV": "Mvdol" "BRL": "Brazilian Real" "BSD": "Bahamian Dollar" "BTN": "Ngultrum" "BWP": "Pula" "BYN": "Belarusian Ruble" "BZD": "Belize Dollar" "CAD": "Canadian Dollar" "CDF": "Congolese Franc" "CHE": "WIR Euro" "CHF": "Swiss Franc" "CHW": "WIR Franc" "CLF": "Unidad de Fomento" "CLP": "Chilean Peso" "CNY": "Yuan Renminbi" "COP": "Colombian Peso" "COU": "Unidad de Valor Real" "CRC": "Costa Rican Colon" "CUC": "Peso Convertible" "CUP": "Cuban Peso" "CVE": "Cabo Verde Escudo" "CZK": "Czech Koruna" "DJF": "Djibouti Franc" "DKK": "Danish Krone" "DOP": "Dominican Peso" "DZD": "Algerian Dinar" "EGP": "Egyptian Pound" "ERN": "Nakfa" "ETB": "Ethiopian Birr" "EUR": "Euro" "FJD": "Fiji Dollar" "FKP": "Falkland Islands Pound" "GBP": "Pound Sterling" "GEL": "Lari"</div>

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"ILS": "New Israeli Sheqel"  
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"IQD": "Iraqi Dinar"  
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"KRW": "Won"  
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"LAK": "Lao Kip"  
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"NOK": "Norwegian Krone"  
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## Schema Component Representation

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<xs:enumeration value="XTS" />
<xs:enumeration value="XUA" />
<xs:enumeration value="XXX" />
<xs:enumeration value="YER" />
<xs:enumeration value="ZAR" />
<xs:enumeration value="ZMW" />
<xs:enumeration value="ZWG" />
<xs:enumeration value="ZWL" />
</xs:restriction>
</xs:simpleType>

```

Simple Type: **dateNAType**

Super-types:	None
Sub-types:	None

Name	dateNAType
Content	<ul style="list-style-type: none"><li>• Union of following types:<ul style="list-style-type: none"><li>◦ <a href="#">xs:date</a></li><li>◦ <a href="#">NAType</a></li></ul></li></ul>

Schema Component Representation

```
<xs:simpleType name="dateNAType">  
  <xs:union memberTypes="xs:date NAType"/>  
</xs:simpleType>
```

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Simple Type: decimalNAType

Super-types:	None
Sub-types:	None

Name	decimalNAType
Content	<ul style="list-style-type: none"><li>• Union of following types:<ul style="list-style-type: none"><li>◦ <a href="#">xs:decimal</a></li><li>◦ <a href="#">NAType</a></li></ul></li></ul>

Schema Component Representation

```
<xs:simpleType name="decimalNAType">
  <xs:union memberTypes="xs:decimal NAType" />
</xs:simpleType>
```

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Simple Type: fundInvestorCode

Super-types:	<a href="#">xs:string</a> < <b>fundInvestorCode</b> (by restriction)
Sub-types:	None

Name	fundInvestorCode
Content	<ul style="list-style-type: none"><li>Base XSD Type: string</li><li>value comes from list: {'EXT_PRVT_FUND'   'FRGN_INSTN'   'GOVT_ENTTY'   'GOVT_PNSN'   'INT_PRVT_FUND'   'NON_US_BANKG_INSTN'   'NON_US_BD'   'NON_US_NON_PRFT'   'NON_US_NSRNC_CMPNY'   'NON_US_NTMDY'   'NON_US_PERSN'   'NON_US_PNSN_PLN'   'NVSMT_CMPNY'   'OTHER'   'US_BANKG_INSTN'   'US_BD'   'US_NON_PRFT'   'US_NSRNC_CMPNY'   'US_PERSN'   'US_PNSN_PLN'}</li></ul>
Documentation	<p>EXT_PRVT_FUND - External private funds</p> <p>FRGN_INSTN - Sovereign wealth funds and foreign official institutions (excluding pension funds)</p> <p>GOVT_ENTTY - U.S. state or municipal government entities (excluding governmental pension plans)</p> <p>GOVT_PNSN - U.S. state or municipal governmental pension plans</p> <p>INT_PRVT_FUND - Internal private funds</p> <p>NON_US_BANKG_INSTN - Banking or thrift institutions that are not United States persons</p> <p>NON_US_BD - Broker-dealers that are not United States persons</p> <p>NON_US_NON_PRFT - Non-profits that are not United States persons</p> <p>NON_US_NSRNC_CMPNY - Insurance companies that are not United States persons</p> <p>NON_US_NTMDY - Investors that are not United States persons and about which beneficial ownership information is not known and cannot reasonably be obtained because the beneficial interest is held through a chain involving one or more third-party intermediaries</p> <p>NON_US_PERSN - Individuals that are not United States persons (including their trusts)</p> <p>NON_US_PNSN_PLN - Non-U.S. pension funds (plans and funds that are not U.S. private or governmental pension plans)</p> <p>NVSMT_CMPNY - Investment companies registered with the SEC</p> <p>OTHER - Other</p> <p>US_BANKG_INSTN - Banking or thrift institutions that are United States persons</p> <p>US_BD - Broker-dealers that are United States persons</p> <p>US_NON_PRFT - Non-profits that are United States persons</p> <p>US_NSRNC_CMPNY - Insurance companies that are United States persons</p> <p>US_PERSN - Individuals that are United States persons (including their trusts)</p> <p>US_PNSN_PLN - U.S Pension plans (excluding governmental pension plans)</p>

Schema Component Representation

```
<xs:simpleType name="fundInvestorCode">
  <xs:restriction base="xs:string">
    <xs:enumeration value="EXT_PRVT_FUND" />
    <xs:enumeration value="FRGN_INSTN" />
    <xs:enumeration value="GOVT_ENTTY" />
    <xs:enumeration value="GOVT_PNSN" />
    <xs:enumeration value="INT_PRVT_FUND" />
    <xs:enumeration value="NON_US_BANKG_INSTN" />
    <xs:enumeration value="NON_US_BD" />
    <xs:enumeration value="NON_US_NON_PRFT" />
    <xs:enumeration value="NON_US_NSRNC_CMPNY" />
    <xs:enumeration value="NON_US_NTMDY" />
    <xs:enumeration value="NON_US_PERSN" />
    <xs:enumeration value="NON_US_PNSN_PLN" />
    <xs:enumeration value="NVSMT_CMPNY" />
    <xs:enumeration value="OTHER" />
    <xs:enumeration value="US_BANKG_INSTN" />
    <xs:enumeration value="US_BD" />
    <xs:enumeration value="US_NON_PRFT" />
    <xs:enumeration value="US_NSRNC_CMPNY" />
    <xs:enumeration value="US_PERSN" />
    <xs:enumeration value="US_PNSN_PLN" />
  </xs:restriction>
</xs:simpleType>
```

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Simple Type: fundType

Super-types:	<a href="#">xs:string</a> < <b>fundType</b> (by restriction)
Sub-types:	None

Name	fundType
Content	<ul style="list-style-type: none"><li>Base XSD Type: string</li><li>value comes from list: {'HEDGE'   'LIQUIDITY'   'OTHER'   'PRIVATE'   'REALESTATE'   'SECUREASSET'   'VC'}</li></ul>
Documentation	HEDGE: Hedge Fund,LIQUIDITY: Liquidity Fund,OTHER: Other Private Funds, PRIVATE: Private Equity Fund, REALESTATE: Real Estate Fund, SECUREASSET: Securitized Asset Fund, VC: Venture Capital Fund

Schema Component Representation

```
<xs:simpleType name="fundType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="HEDGE"/>
    <xs:enumeration value="LIQUIDITY"/>
    <xs:enumeration value="OTHER"/>
    <xs:enumeration value="PRIVATE"/>
    <xs:enumeration value="REALESTATE"/>
    <xs:enumeration value="SECUREASSET"/>
    <xs:enumeration value="VC"/>
  </xs:restriction>
</xs:simpleType>
```

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Simple Type: fundTypeAggregatedAsset

Super-types:	<a href="#">xs:string</a> < <b>fundTypeAggregatedAsset</b> (by restriction)
Sub-types:	None

Name	fundTypeAggregatedAsset
Content	<ul style="list-style-type: none"><li>Base XSD Type: string</li><li><i>value</i> comes from list: {'HEDGE'   'LIQUIDITY'   'NONPRIVATE'   'OTHER'   'PRIVATE'   'REALESTATE'   'SECUREASSET'   'VC'}</li></ul>
Documentation	HEDGE: Hedge Fund,LIQUIDITY: Liquidity Fund,NONPRIVATE: Funds and accounts other than private funds,OTHER: Other Private Funds, PRIVATE: Private Equity Fund, REALESTATE: Real Estate Fund, SECUREASSET: Securitized Asset Fund, VC: Venture Capital Fund

Schema Component Representation

```
<xs:simpleType name="fundTypeAggregatedAsset">
  <xs:restriction base="xs:string">
    <xs:enumeration value="HEDGE"/>
    <xs:enumeration value="LIQUIDITY"/>
    <xs:enumeration value="NONPRIVATE"/>
    <xs:enumeration value="OTHER"/>
    <xs:enumeration value="PRIVATE"/>
    <xs:enumeration value="REALESTATE"/>
    <xs:enumeration value="SECUREASSET"/>
    <xs:enumeration value="VC"/>
  </xs:restriction>
</xs:simpleType>
```

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Simple Type: **instrumentType**

Super-types:	<a href="#">xs:string</a> < <b>instrumentType</b> (by restriction)
Sub-types:	None

Name	instrumentType
Content	<ul style="list-style-type: none"><li>Base XSD Type: string</li><li><i>value</i> comes from list: {'AOCE'   'CMP'   'CPI'   'EPF'   'ETF'   'ETP'   'FUT'   'FWD'   'IPF'   'LOP'   'NUSRIC'   'ODP'   'SWP'   'UOP'   'USRIC'}</li></ul>
Documentation	AOCE - Any Other Company, Fund, or Entity CMP - Commodity Pools CPI - Cash/Physical Instruments EPF - External Private Funds ETF - ETFs ETP - Other Exchange Traded Products FUT - Futures FWD - Forwards IPF - Internal Private Funds LOP - Listed Options NUSRIC - Investments in Non-U.S. Registered Investment Companies ODP - Other Derivative Products SWP - Swaps UOP - Unlisted Options USRIC - U.S. Registered Investment Companies (excluding ETFs and money market funds)

Schema Component Representation

```
<xs:simpleType name="instrumentType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="AOCE"/>
    <xs:enumeration value="CMP"/>
    <xs:enumeration value="CPI"/>
    <xs:enumeration value="EPF"/>
    <xs:enumeration value="ETF"/>
    <xs:enumeration value="ETP"/>
    <xs:enumeration value="FUT"/>
    <xs:enumeration value="FWD"/>
    <xs:enumeration value="IPF"/>
    <xs:enumeration value="LOP"/>
    <xs:enumeration value="NUSRIC"/>
    <xs:enumeration value="ODP"/>
    <xs:enumeration value="SWP"/>
    <xs:enumeration value="UOP"/>
    <xs:enumeration value="USRIC"/>
  </xs:restriction>
</xs:simpleType>
```

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Simple Type: integerNAType

Super-types:	None
Sub-types:	None

Name	integerNAType
Content	<ul style="list-style-type: none"><li>• Union of following types:<ul style="list-style-type: none"><li>◦ <a href="#">xs:integer</a></li><li>◦ <a href="#">NAType</a></li></ul></li></ul>

Schema Component Representation

```
<xs:simpleType name="integerNAType">
  <xs:union memberTypes="xs:integer NAType" />
</xs:simpleType>
```

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Simple Type: investmentStrategyType

Super-types:	<a href="#">xs:string</a> < <b>investmentStrategyType</b> (by restriction)
Sub-types:	None

Name	investmentStrategyType
Content	<ul style="list-style-type: none"><li>Base XSD Type: string</li><li>value comes from list: {'ALIP'   'CA'   'CCE'   'CR'   'CRABL'   'CRASP'   'CREM'   'CRLF'   'CRLS'   'DA'   'ED'   'EDD'   'EDDR'   'EDESS'   'EDNESS'   'EDRMA'   'EQ'   'EQEM'   'EQFD'   'EQLO'   'EQLSLB'   'EQLSMN'   'EQLSSB'   'EQSA'   'GPSI'   'IOF'   'LF'   'MAC'   'MACAT'   'MACC'   'MACCR'   'MACGM'   'MFCTA'   'MFCTAF'   'MFCTAQ'   'OTH'   'PC'   'PCDD'   'PCDL'   'PCJD'   'PCMF'   'PCO'   'PCSD'   'PCSS'   'PCSSD'   'PCVD'   'PE'   'PEB'   'PED'   'PEELS'   'PEES'   'PEG'   'PESEC'   'PET'   'PIPE'   'RA'   'RE'   'REIT'   'RV'   'RVFIA'   'RVFIB'   'RVFIC'   'RVFICA'   'RVFIS'   'RVVA'}</li></ul>
Documentation	<p>ALIP - Annuity and Life Insurance Policies</p> <p>CA - Convertible Arbitrage</p> <p>CCE - Cash and cash equivalents</p> <p>CR - Credit</p> <p>CRABL - Credit, Asset Based Lending</p> <p>CRASP - Credit, Asset Backed/Structured Products</p> <p>CREM - Credit, Emerging Markets</p> <p>CRLF - Credit, Litigation Finance</p> <p>CRLS - Credit, Long/Short</p> <p>DA - Digital Assets</p> <p>ED - Event Driven</p> <p>EDD - Event Driven, Distressed</p> <p>EDDR - Event Driven, Distressed/Restructuring</p> <p>EDESS - Event Driven, Equity Special Situations</p> <p>EDNESS - Event Driven, Non-Equity Special Situations</p> <p>EDRMA - Event Driven, Risk Arbitrage/Merger Arbitrage</p> <p>EQ - Equity</p> <p>EQEM - Equity, Emerging Markets</p> <p>EQFD - Equity, Factor Driven</p> <p>EQLO - Equity, Long Only</p> <p>EQLSLB - Equity, Long/Short Long Bias</p> <p>EQLSMN - Equity, Long/Short Market Neutral</p> <p>EQLSSB - Equity, Long/Short Short Bias</p> <p>EQSA - Equity, Statistical Arbitrage</p> <p>GPSI - General Partner Stakes Investments</p> <p>IOF - Investment in other funds</p> <p>LF - Litigation Finance</p> <p>MAC - Macro</p> <p>MACAT - Macro, Active Trading</p> <p>MACC - Macro, Commodity</p> <p>MACCR - Macro, Currency</p> <p>MACGM - Macro, Global Macro</p> <p>MFCTA - Managed Futures/CTA</p> <p>MFCTAF - Managed Futures/CTA, Fundamental</p> <p>MFCTAQ - Managed Futures/CTA, Quantitative</p> <p>OTH - Other</p> <p>PC - Private Credit</p> <p>PCDD - Private Credit - Distressed Debt</p> <p>PCDL - Private Credit - Direct Lending/Mid Market Lending</p> <p>PCJD - Private Credit - Junior/Subordinate Debt</p> <p>PCMF - Private Credit - Mezzanine Financing</p> <p>PCO - Private Credit - Other</p> <p>PCSD - Private Credit - Senior Debt</p> <p>PCSS - Private Credit - Special Situations</p> <p>PCSSD - Private Credit - Senior Subordinated Debt</p> <p>PCVD - Private Credit - Venture Debt</p> <p>PE - Private Equity</p> <p>PEB - Private Equity - Buyout</p> <p>PED - Private Equity - Distressed</p> <p>PEELS - Private Equity - Expansion/Late Stage</p> <p>PEES - Private Equity - Early Stage</p> <p>PEG - Private Equity - Growth</p> <p>PESEC - Private Equity -Secondaries</p> <p>PET - Private Equity - Turnaround</p> <p>PIPE - Private Equity - Private Investment in Public Equity</p> <p>RA - Real Assets Excluding Real Estate</p> <p>RE - Real Estate</p> <p>REIT - Real Estate Investment Trusts</p> <p>RV - Relative Value</p> <p>RVFIA - Relative Value, Fixed Income Arbitrage</p> <p>RVFIB - Relative Value, Fixed Income Asset Backed</p>

## Schema Component Representation

```
<xs:simpleType name="investmentStrategyType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="ALIP"/>
    <xs:enumeration value="CA"/>
    <xs:enumeration value="CCE"/>
    <xs:enumeration value="CR"/>
    <xs:enumeration value="CRABL"/>
    <xs:enumeration value="CRASP"/>
    <xs:enumeration value="CREM"/>
    <xs:enumeration value="CRLF"/>
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    <xs:enumeration value="DA"/>
    <xs:enumeration value="ED"/>
    <xs:enumeration value="EDD"/>
    <xs:enumeration value="EDDR"/>
    <xs:enumeration value="EDESS"/>
    <xs:enumeration value="EDNESS"/>
    <xs:enumeration value="EDRMA"/>
    <xs:enumeration value="EQ"/>
    <xs:enumeration value="EQEM"/>
    <xs:enumeration value="EQFD"/>
    <xs:enumeration value="EQLO"/>
    <xs:enumeration value="EQLSLB"/>
    <xs:enumeration value="EQLSMN"/>
    <xs:enumeration value="EQLSSB"/>
    <xs:enumeration value="EQSA"/>
    <xs:enumeration value="GPSI"/>
    <xs:enumeration value="IOF"/>
    <xs:enumeration value="LF"/>
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    <xs:enumeration value="MACGM"/>
    <xs:enumeration value="MFCTA"/>
    <xs:enumeration value="MFCTAF"/>
    <xs:enumeration value="MFCTAQ"/>
    <xs:enumeration value="OTH"/>
    <xs:enumeration value="PC"/>
    <xs:enumeration value="PCDD"/>
    <xs:enumeration value="PCDL"/>
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    <xs:enumeration value="RVFIB"/>
    <xs:enumeration value="RVFIC"/>
    <xs:enumeration value="RVFICA"/>
    <xs:enumeration value="RVFIS"/>
    <xs:enumeration value="RVVA"/>
  </xs:restriction>
</xs:simpleType>
```

Simple Type: liquidityFundInvestmentCategory

Super-types:	<a href="#">xs:string</a> < <b>liquidityFundInvestmentCategory</b> (by restriction)
Sub-types:	None

Name	liquidityFundInvestmentCategory
Content	<ul style="list-style-type: none"><li>Base XSD Type: string</li><li>value comes from list: {'ABCP'   'CD'   'FCCP'   'IC'   'ICFA'   'NFCCP'   'NNTD'   'NUSSND'   'OABS'   'OI'   'OMS'   'ORA'   'TOB'   'USGADCPN'   'USGADNCD'   'USGARA'   'USTD'   'USTRRA'   'VRDN'}</li></ul>
Documentation	<p>ABCP - Asset Backed Commercial Paper CD - Certificate of Deposit FCCP - Financial Company Commercial Paper IC - Investment Company ICFA - Insurance Company Funding Agreement NFCCP - Non-Financial Company Commercial Paper NNTD - Non-Negotiable Time Deposit NUSSND - Non-U.S. Sovereign, Sub-Sovereign and Supra-National Debt OABS - Other Asset Backed Securities OI - Other Instrument OMS - Other Municipal Security ORA - Other Repo (if collateral falls outside Treasury, Government Agency, and cash) TOB - Tender Option Bond USGADCPN - U.S. Government Agency Debt (Coupon-Paying Notes) USGADNCD - U.S. Government Agency Debt (No-Coupon-Discount Notes) USGARA - U.S. Government Agency Repo (collateralized by U.S. Government Agency securities, U.S. Treasuries, and cash) USTD - U.S. Treasury Debt USTRRA - U.S. Treasury Repo (collateralized by U.S. Treasuries including Strips and cash) VRDN - Variable Rate Demand Note</p>

Schema Component Representation

```
<xs:simpleType name="liquidityFundInvestmentCategory">
  <xs:restriction base="xs:string">
    <xs:enumeration value="ABCP" />
    <xs:enumeration value="CD" />
    <xs:enumeration value="FCCP" />
    <xs:enumeration value="IC" />
    <xs:enumeration value="ICFA" />
    <xs:enumeration value="NFCCP" />
    <xs:enumeration value="NNTD" />
    <xs:enumeration value="NUSSND" />
    <xs:enumeration value="OABS" />
    <xs:enumeration value="OI" />
    <xs:enumeration value="OMS" />
    <xs:enumeration value="ORA" />
    <xs:enumeration value="TOB" />
    <xs:enumeration value="USGADCPN" />
    <xs:enumeration value="USGADNCD" />
    <xs:enumeration value="USGARA" />
    <xs:enumeration value="USTD" />
    <xs:enumeration value="USTRRA" />
    <xs:enumeration value="VRDN" />
  </xs:restriction>
</xs:simpleType>
```

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Simple Type: **majorFinancialInstitution**

Super-types:	<a href="#">xs:string</a> < <b>majorFinancialInstitution</b> (by restriction)
Sub-types:	None

Name	majorFinancialInstitution
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Documentation	<p>ABN - ABN Amro</p> <p>ANZ - Australia and New Zealand (ANZ)</p> <p>BAML - Bank of America/Merrill Lynch</p> <p>BAR - Barclays</p> <p>BLK - BlackRock</p> <p>BMP - Bank of Montreal</p> <p>BNP - BNP Paribas</p> <p>BNY - Bank of New York</p> <p>CA - Crédit Agricole</p> <p>CBA - Commonwealth Bank of Australia</p> <p>CBK - Commerzbank</p> <p>CF - Cantor Fitzgerald</p> <p>CIBC - Canadian Imperial</p> <p>CITCO - Citco</p> <p>CITI - Citigroup</p> <p>CS - Credit Suisse</p> <p>DB - Deutsche Bank</p> <p>FICC - FICC</p> <p>FID - Fidelity</p> <p>GS - Goldman Sachs</p> <p>HSBC - HSBC</p> <p>ING - ING</p> <p>JEF - Jeffries</p> <p>JPM - JP Morgan</p> <p>LLOY - Lloyds</p> <p>MAC - Macquarie</p> <p>MIZ - Mizuho</p> <p>MS - Morgan Stanley</p> <p>MUFG - Mitsubishi UFJ Financial Group</p> <p>NA - NA</p> <p>NAB - National Australia</p> <p>NAX - Natixis</p> <p>NE - New Edge</p> <p>NOM - Nomura</p> <p>NTRS - Northern trust</p> <p>OTH - Other</p> <p>PIMCO - PIMCO</p> <p>PNC - PNC</p> <p>PRU - Prudential</p> <p>RBC - Royal Bank of Canada</p> <p>RBS - Royal Bank of Scotland</p> <p>SAN - Santander</p> <p>SCOTIA - Scotiabank</p> <p>SMFG - Sumitomo Mitsui</p> <p>SOCGEN - Société Générale</p> <p>STAN - Standard Chartered</p> <p>STT - State Street</p> <p>TD - Toronto Dominion</p> <p>UBS - UBS</p> <p>USB - US Bank</p> <p>WFC - Wells Fargo</p>



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	'561710'	'561720'	'561730'	'561740'	'561790'	'561900'	'561910'	'561920'	'561990'	'562000'
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	'621399'	'621400'	'621410'	'621420'	'621490'	'621491'	'621492'	'621493'	'621498'	'621510'
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	'624229'	'624230'	'624310'	'624410'	'710000'	'711000'	'711100'	'711110'	'711120'	'711130'
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	'712100'	'712110'	'712120'	'712130'	'712190'	'713000'	'713100'	'713110'	'713120'	'713200'
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	'721000'	'721100'	'721110'	'721120'	'721190'	'721191'	'721199'	'721210'	'721211'	'721214'
	'721310'	'722000'	'722300'	'722310'	'722320'	'722330'	'722410'	'722510'	'722511'	'722513'
	'722514'	'722515'	'810000'	'811000'	'811100'	'811110'	'811111'	'811114'	'811120'	'811121'
	'811122'	'811190'	'811191'	'811192'	'811198'	'811210'	'811310'	'811400'	'811410'	'811411'
	'811412'	'811420'	'811430'	'811490'	'812000'	'812100'	'812110'	'812111'	'812112'	'812113'
	'812191'	'812199'	'812200'	'812210'	'812220'	'812300'	'812310'	'812320'	'812330'	'812331'
	'812332'	'812900'	'812910'	'812920'	'812921'	'812922'	'812930'	'812990'	'813000'	'813110'
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	'813910'	'813920'	'813930'	'813940'	'813990'	'814110'	'920000'	'921100'	'921110'	'921120'
	'921130'	'921140'	'921150'	'921190'	'922100'	'922110'	'922120'	'922130'	'922140'	'922150'
	'922160'	'922190'	'923100'	'923110'	'923120'	'923130'	'923140'	'924100'	'924110'	'924120'
	'925100'	'925110'	'925120'	'926100'	'926110'	'926120'	'926130'	'926140'	'926150'	'927110'
	'928100'	'928110'	'928120'}							
Documentation	Elements of this type represent the allowed NAICS Codes. Allowed values (code - Title) are: NA - Not Applicable 110000 - Agriculture, Forestry, Fishing and Hunting									

111000 - Crop Production  
 111100 - Oilseed and Grain Farming  
 111110 - Soybean Farming  
 111120 - Oilseed (except Soybean) Farming  
 111130 - Dry Pea and Bean Farming  
 111140 - Wheat Farming  
 111150 - Corn Farming  
 111160 - Rice Farming  
 111190 - Other Grain Farming  
 111191 - Oilseed and Grain Combination Farming  
 111199 - All Other Grain Farming  
 111210 - Vegetable and Melon Farming  
 111211 - Potato Farming  
 111219 - Other Vegetable (except Potato) and Melon Farming  
 111300 - Fruit and Tree Nut Farming  
 111310 - Orange Groves  
 111320 - Citrus (except Orange) Groves  
 111330 - Noncitrus Fruit and Tree Nut Farming  
 111331 - Apple Orchards  
 111332 - Grape Vineyards  
 111333 - Strawberry Farming  
 111334 - Berry (except Strawberry) Farming  
 111335 - Tree Nut Farming  
 111336 - Fruit and Tree Nut Combination Farming  
 111339 - Other Noncitrus Fruit Farming  
 111400 - Greenhouse, Nursery, and Floriculture Production  
 111410 - Food Crops Grown Under Cover  
 111411 - Mushroom Production  
 111419 - Other Food Crops Grown Under Cover  
 111420 - Nursery and Floriculture Production  
 111421 - Nursery and Tree Production  
 111422 - Floriculture Production  
 111900 - Other Crop Farming  
 111910 - Tobacco Farming  
 111920 - Cotton Farming  
 111930 - Sugarcane Farming  
 111940 - Hay Farming  
 111990 - All Other Crop Farming  
 111991 - Sugar Beet Farming  
 111992 - Peanut Farming  
 111998 - All Other Miscellaneous Crop Farming  
 112000 - Animal Production and Aquaculture  
 112100 - Cattle Ranching and Farming  
 112110 - Beef Cattle Ranching and Farming, including Feedlots  
 112111 - Beef Cattle Ranching and Farming  
 112112 - Cattle Feedlots  
 112120 - Dairy Cattle and Milk Production  
 112130 - Dual-Purpose Cattle Ranching and Farming  
 112210 - Hog and Pig Farming  
 112300 - Poultry and Egg Production  
 112310 - Chicken Egg Production  
 112320 - Broilers and Other Meat Type Chicken Production  
 112330 - Turkey Production  
 112340 - Poultry Hatcheries  
 112390 - Other Poultry Production  
 112400 - Sheep and Goat Farming  
 112410 - Sheep Farming  
 112420 - Goat Farming  
 112510 - Aquaculture  
 112511 - Finfish Farming and Fish Hatcheries  
 112512 - Shellfish Farming  
 112519 - Other Aquaculture  
 112900 - Other Animal Production  
 112910 - Apiculture  
 112920 - Horses and Other Equine Production  
 112930 - Fur-Bearing Animal and Rabbit Production  
 112990 - All Other Animal Production  
 113000 - Forestry and Logging  
 113110 - Timber Tract Operations  
 113210 - Forest Nurseries and Gathering of Forest Products  
 113310 - Logging  
 114000 - Fishing, Hunting and Trapping  
 114110 - Fishing  
 114111 - Finfish Fishing  
 114112 - Shellfish Fishing  
 114119 - Other Marine Fishing  
 114210 - Hunting and Trapping  
 115000 - Support Activities for Agriculture and Forestry  
 115110 - Support Activities for Crop Production  
 115111 - Cotton Ginning

115112 - Soil Preparation, Planting, and Cultivating  
 115113 - Crop Harvesting, Primarily by Machine  
 115114 - Postharvest Crop Activities (except Cotton Ginning)  
 115115 - Farm Labor Contractors and Crew Leaders  
 115116 - Farm Management Services  
 115210 - Support Activities for Animal Production  
 115310 - Support Activities for Forestry  
 210000 - Mining, Quarrying, and Oil and Gas Extraction  
 211100 - Oil and Gas Extraction  
 211120 - Crude Petroleum Extraction  
 211130 - Natural Gas Extraction  
 212000 - Mining (except Oil and Gas)  
 212110 - Coal Mining  
 212114 - Surface Coal Mining  
 212115 - Underground Coal Mining  
 212200 - Metal Ore Mining  
 212210 - Iron Ore Mining  
 212220 - Gold Ore and Silver Ore Mining  
 212230 - Copper, Nickel, Lead, and Zinc Mining  
 212290 - Other Metal Ore Mining  
 212300 - Nonmetallic Mineral Mining and Quarrying  
 212310 - Stone Mining and Quarrying  
 212311 - Dimension Stone Mining and Quarrying  
 212312 - Crushed and Broken Limestone Mining and Quarrying  
 212313 - Crushed and Broken Granite Mining and Quarrying  
 212319 - Other Crushed and Broken Stone Mining and Quarrying  
 212320 - Sand, Gravel, Clay, and Ceramic and Refractory Minerals Mining and Quarrying  
 212321 - Construction Sand and Gravel Mining  
 212322 - Industrial Sand Mining  
 212323 - Kaolin, Clay, and Ceramic and Refractory Minerals Mining  
 212390 - Other Nonmetallic Mineral Mining and Quarrying  
 213110 - Support Activities for Mining  
 213111 - Drilling Oil and Gas Wells  
 213112 - Support Activities for Oil and Gas Operations  
 213113 - Support Activities for Coal Mining  
 213114 - Support Activities for Metal Mining  
 213115 - Support Activities for Nonmetallic Minerals (except Fuels) Mining  
 221000 - Utilities  
 221100 - Electric Power Generation, Transmission and Distribution  
 221110 - Electric Power Generation  
 221111 - Hydroelectric Power Generation  
 221112 - Fossil Fuel Electric Power Generation  
 221113 - Nuclear Electric Power Generation  
 221114 - Solar Electric Power Generation  
 221115 - Wind Electric Power Generation  
 221116 - Geothermal Electric Power Generation  
 221117 - Biomass Electric Power Generation  
 221118 - Other Electric Power Generation  
 221120 - Electric Power Transmission, Control, and Distribution  
 221121 - Electric Bulk Power Transmission and Control  
 221122 - Electric Power Distribution  
 221210 - Natural Gas Distribution  
 221300 - Water, Sewage and Other Systems  
 221310 - Water Supply and Irrigation Systems  
 221320 - Sewage Treatment Facilities  
 221330 - Steam and Air-Conditioning Supply  
 230000 - Construction  
 236000 - Construction of Buildings  
 236110 - Residential Building Construction  
 236115 - New Single-Family Housing Construction (except For-Sale Builders)  
 236116 - New Multifamily Housing Construction (except For-Sale Builders)  
 236117 - New Housing For-Sale Builders  
 236118 - Residential Remodelers  
 236200 - Nonresidential Building Construction  
 236210 - Industrial Building Construction  
 236220 - Commercial and Institutional Building Construction  
 237000 - Heavy and Civil Engineering Construction  
 237100 - Utility System Construction  
 237110 - Water and Sewer Line and Related Structures Construction  
 237120 - Oil and Gas Pipeline and Related Structures Construction  
 237130 - Power and Communication Line and Related Structures Construction  
 237210 - Land Subdivision  
 237310 - Highway, Street, and Bridge Construction  
 237990 - Other Heavy and Civil Engineering Construction  
 238000 - Specialty Trade Contractors  
 238100 - Foundation, Structure, and Building Exterior Contractors  
 238110 - Poured Concrete Foundation and Structure Contractors  
 238120 - Structural Steel and Precast Concrete Contractors  
 238130 - Framing Contractors  
 238140 - Masonry Contractors

238150 - Glass and Glazing Contractors  
238160 - Roofing Contractors  
238170 - Siding Contractors  
238190 - Other Foundation, Structure, and Building Exterior Contractors  
238200 - Building Equipment Contractors  
238210 - Electrical Contractors and Other Wiring Installation Contractors  
238220 - Plumbing, Heating, and Air-Conditioning Contractors  
238290 - Other Building Equipment Contractors  
238300 - Building Finishing Contractors  
238310 - Drywall and Insulation Contractors  
238320 - Painting and Wall Covering Contractors  
238330 - Flooring Contractors  
238340 - Tile and Terrazzo Contractors  
238350 - Finish Carpentry Contractors  
238390 - Other Building Finishing Contractors  
238900 - Other Specialty Trade Contractors  
238910 - Site Preparation Contractors  
238990 - All Other Specialty Trade Contractors  
310000 - Manufacturing  
311000 - Food Manufacturing  
311110 - Animal Food Manufacturing  
311111 - Dog and Cat Food Manufacturing  
311119 - Other Animal Food Manufacturing  
311200 - Grain and Oilseed Milling  
311210 - Flour Milling and Malt Manufacturing  
311211 - Flour Milling  
311212 - Rice Milling  
311213 - Malt Manufacturing  
311220 - Starch and Vegetable Fats and Oils Manufacturing  
311221 - Wet Corn Milling and Starch Manufacturing  
311224 - Soybean and Other Oilseed Processing  
311225 - Fats and Oils Refining and Blending  
311230 - Breakfast Cereal Manufacturing  
311300 - Sugar and Confectionery Product Manufacturing  
311310 - Sugar Manufacturing  
311313 - Beet Sugar Manufacturing  
311314 - Cane Sugar Manufacturing  
311340 - Nonchocolate Confectionery Manufacturing  
311350 - Chocolate and Confectionery Manufacturing  
311351 - Chocolate and Confectionery Manufacturing from Cacao Beans  
311352 - Confectionery Manufacturing from Purchased Chocolate  
311400 - Fruit and Vegetable Preserving and Specialty Food Manufacturing  
311410 - Frozen Food Manufacturing  
311411 - Frozen Fruit, Juice, and Vegetable Manufacturing  
311412 - Frozen Specialty Food Manufacturing  
311420 - Fruit and Vegetable Canning, Pickling, and Drying  
311421 - Fruit and Vegetable Canning  
311422 - Specialty Canning  
311423 - Dried and Dehydrated Food Manufacturing  
311500 - Dairy Product Manufacturing  
311510 - Dairy Product (except Frozen) Manufacturing  
311511 - Fluid Milk Manufacturing  
311512 - Creamery Butter Manufacturing  
311513 - Cheese Manufacturing  
311514 - Dry, Condensed, and Evaporated Dairy Product Manufacturing  
311520 - Ice Cream and Frozen Dessert Manufacturing  
311610 - Animal Slaughtering and Processing  
311611 - Animal (except Poultry) Slaughtering  
311612 - Meat Processed from Carcasses  
311613 - Rendering and Meat Byproduct Processing  
311615 - Poultry Processing  
311710 - Seafood Product Preparation and Packaging  
311800 - Bakeries and Tortilla Manufacturing  
311810 - Bread and Bakery Product Manufacturing  
311811 - Retail Bakeries  
311812 - Commercial Bakeries  
311813 - Frozen Cakes, Pies, and Other Pastries Manufacturing  
311820 - Cookie, Cracker, and Pasta Manufacturing  
311821 - Cookie and Cracker Manufacturing  
311824 - Dry Pasta, Dough, and Flour Mixes Manufacturing from Purchased Flour  
311830 - Tortilla Manufacturing  
311900 - Other Food Manufacturing  
311910 - Snack Food Manufacturing  
311911 - Roasted Nuts and Peanut Butter Manufacturing  
311919 - Other Snack Food Manufacturing  
311920 - Coffee and Tea Manufacturing  
311930 - Flavoring Syrup and Concentrate Manufacturing  
311940 - Seasoning and Dressing Manufacturing  
311941 - Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing  
311942 - Spice and Extract Manufacturing



311990 - All Other Food Manufacturing  
 311991 - Perishable Prepared Food Manufacturing  
 311999 - All Other Miscellaneous Food Manufacturing  
 312000 - Beverage and Tobacco Product Manufacturing  
 312100 - Beverage Manufacturing  
 312110 - Soft Drink and Ice Manufacturing  
 312111 - Soft Drink Manufacturing  
 312112 - Bottled Water Manufacturing  
 312113 - Ice Manufacturing  
 312120 - Breweries  
 312130 - Wineries  
 312140 - Distilleries  
 312230 - Tobacco Manufacturing  
 313000 - Textile Mills  
 313110 - Fiber, Yarn, and Thread Mills  
 313200 - Fabric Mills  
 313210 - Broadwoven Fabric Mills  
 313220 - Narrow Fabric Mills and Schiffli Machine Embroidery  
 313230 - Nonwoven Fabric Mills  
 313240 - Knit Fabric Mills  
 313300 - Textile and Fabric Finishing and Fabric Coating Mills  
 313310 - Textile and Fabric Finishing Mills  
 313320 - Fabric Coating Mills  
 314000 - Textile Product Mills  
 314100 - Textile Furnishings Mills  
 314110 - Carpet and Rug Mills  
 314120 - Curtain and Linen Mills  
 314900 - Other Textile Product Mills  
 314910 - Textile Bag and Canvas Mills  
 314990 - All Other Textile Product Mills  
 314994 - Rope, Cordage, Twine, Tire Cord, and Tire Fabric Mills  
 314999 - All Other Miscellaneous Textile Product Mills  
 315000 - Apparel Manufacturing  
 315120 - Apparel Knitting Mills  
 315200 - Cut and Sew Apparel Manufacturing  
 315210 - Cut and Sew Apparel Contractors  
 315250 - Cut and Sew Apparel Manufacturing (except Contractors)  
 315990 - Apparel Accessories and Other Apparel Manufacturing  
 316000 - Leather and Allied Product Manufacturing  
 316110 - Leather and Hide Tanning and Finishing  
 316210 - Footwear Manufacturing  
 316990 - Other Leather and Allied Product Manufacturing  
 321000 - Wood Product Manufacturing  
 321110 - Sawmills and Wood Preservation  
 321113 - Sawmills  
 321114 - Wood Preservation  
 321210 - Veneer, Plywood, and Engineered Wood Product Manufacturing  
 321211 - Hardwood Veneer and Plywood Manufacturing  
 321212 - Softwood Veneer and Plywood Manufacturing  
 321215 - Engineered Wood Member Manufacturing  
 321219 - Reconstituted Wood Product Manufacturing  
 321900 - Other Wood Product Manufacturing  
 321910 - Millwork  
 321911 - Wood Window and Door Manufacturing  
 321912 - Cut Stock, Resawing Lumber, and Planing  
 321918 - Other Millwork (including Flooring)  
 321920 - Wood Container and Pallet Manufacturing  
 321990 - All Other Wood Product Manufacturing  
 321991 - Manufactured Home (Mobile Home) Manufacturing  
 321992 - Prefabricated Wood Building Manufacturing  
 321999 - All Other Miscellaneous Wood Product Manufacturing  
 322000 - Paper Manufacturing  
 322100 - Pulp, Paper, and Paperboard Mills  
 322110 - Pulp Mills  
 322120 - Paper Mills  
 322130 - Paperboard Mills  
 322200 - Converted Paper Product Manufacturing  
 322210 - Paperboard Container Manufacturing  
 322211 - Corrugated and Solid Fiber Box Manufacturing  
 322212 - Folding Paperboard Box Manufacturing  
 322219 - Other Paperboard Container Manufacturing  
 322220 - Paper Bag and Coated and Treated Paper Manufacturing  
 322230 - Stationery Product Manufacturing  
 322290 - Other Converted Paper Product Manufacturing  
 322291 - Sanitary Paper Product Manufacturing  
 322299 - All Other Converted Paper Product Manufacturing  
 323100 - Printing and Related Support Activities  
 323110 - Printing  
 323111 - Commercial Printing (except Screen and Books)  
 323113 - Commercial Screen Printing

323117 - Books Printing  
 323120 - Support Activities for Printing  
 324100 - Petroleum and Coal Products Manufacturing  
 324110 - Petroleum Refineries  
 324120 - Asphalt Paving, Roofing, and Saturated Materials Manufacturing  
 324121 - Asphalt Paving Mixture and Block Manufacturing  
 324122 - Asphalt Shingle and Coating Materials Manufacturing  
 324190 - Other Petroleum and Coal Products Manufacturing  
 324191 - Petroleum Lubricating Oil and Grease Manufacturing  
 324199 - All Other Petroleum and Coal Products Manufacturing  
 325000 - Chemical Manufacturing  
 325100 - Basic Chemical Manufacturing  
 325110 - Petrochemical Manufacturing  
 325120 - Industrial Gas Manufacturing  
 325130 - Synthetic Dye and Pigment Manufacturing  
 325180 - Other Basic Inorganic Chemical Manufacturing  
 325190 - Other Basic Organic Chemical Manufacturing  
 325193 - Ethyl Alcohol Manufacturing  
 325194 - Cyclic Crude, Intermediate, and Gum and Wood Chemical Manufacturing  
 325199 - All Other Basic Organic Chemical Manufacturing  
 325200 - Resin, Synthetic Rubber, and Artificial and Synthetic Fibers and Filaments Manufacturing  
 325210 - Resin and Synthetic Rubber Manufacturing  
 325211 - Plastics Material and Resin Manufacturing  
 325212 - Synthetic Rubber Manufacturing  
 325220 - Artificial and Synthetic Fibers and Filaments Manufacturing  
 325300 - Pesticide, Fertilizer, and Other Agricultural Chemical Manufacturing  
 325310 - Fertilizer and Compost Manufacturing  
 325311 - Nitrogenous Fertilizer Manufacturing  
 325312 - Phosphatic Fertilizer Manufacturing  
 325314 - Fertilizer (Mixing Only) Manufacturing  
 325315 - Compost Manufacturing  
 325320 - Pesticide and Other Agricultural Chemical Manufacturing  
 325410 - Pharmaceutical and Medicine Manufacturing  
 325411 - Medicinal and Botanical Manufacturing  
 325412 - Pharmaceutical Preparation Manufacturing  
 325413 - In-Vitro Diagnostic Substance Manufacturing  
 325414 - Biological Product (except Diagnostic) Manufacturing  
 325500 - Paint, Coating, and Adhesive Manufacturing  
 325510 - Paint and Coating Manufacturing  
 325520 - Adhesive Manufacturing  
 325600 - Soap, Cleaning Compound, and Toilet Preparation Manufacturing  
 325610 - Soap and Cleaning Compound Manufacturing  
 325611 - Soap and Other Detergent Manufacturing  
 325612 - Polish and Other Sanitation Good Manufacturing  
 325613 - Surface Active Agent Manufacturing  
 325620 - Toilet Preparation Manufacturing  
 325900 - Other Chemical Product and Preparation Manufacturing  
 325910 - Printing Ink Manufacturing  
 325920 - Explosives Manufacturing  
 325990 - All Other Chemical Product and Preparation Manufacturing  
 325991 - Custom Compounding of Purchased Resins  
 325992 - Photographic Film, Paper, Plate, Chemical, and Copy Toner Manufacturing  
 325998 - All Other Miscellaneous Chemical Product and Preparation Manufacturing  
 326000 - Plastics and Rubber Products Manufacturing  
 326100 - Plastics Product Manufacturing  
 326110 - Plastics Packaging Materials and Unlaminated Film and Sheet Manufacturing  
 326111 - Plastics Bag and Pouch Manufacturing  
 326112 - Plastics Packaging Film and Sheet (including Laminated) Manufacturing  
 326113 - Unlaminated Plastics Film and Sheet (except Packaging) Manufacturing  
 326120 - Plastics Pipe, Pipe Fitting, and Unlaminated Profile Shape Manufacturing  
 326121 - Unlaminated Plastics Profile Shape Manufacturing  
 326122 - Plastics Pipe and Pipe Fitting Manufacturing  
 326130 - Laminated Plastics Plate, Sheet (except Packaging), and Shape Manufacturing  
 326140 - Polystyrene Foam Product Manufacturing  
 326150 - Urethane and Other Foam Product (except Polystyrene) Manufacturing  
 326160 - Plastics Bottle Manufacturing  
 326190 - Other Plastics Product Manufacturing  
 326191 - Plastics Plumbing Fixture Manufacturing  
 326199 - All Other Plastics Product Manufacturing  
 326200 - Rubber Product Manufacturing  
 326210 - Tire Manufacturing  
 326211 - Tire Manufacturing (except Retreading)  
 326212 - Tire Retreading  
 326220 - Rubber and Plastics Hoses and Belting Manufacturing  
 326290 - Other Rubber Product Manufacturing  
 326291 - Rubber Product Manufacturing for Mechanical Use  
 326299 - All Other Rubber Product Manufacturing  
 327000 - Nonmetallic Mineral Product Manufacturing  
 327100 - Clay Product and Refractory Manufacturing  
 327110 - Pottery, Ceramics, and Plumbing Fixture Manufacturing



327120 - Clay Building Material and Refractories Manufacturing  
 327210 - Glass and Glass Product Manufacturing  
 327211 - Flat Glass Manufacturing  
 327212 - Other Pressed and Blown Glass and Glassware Manufacturing  
 327213 - Glass Container Manufacturing  
 327215 - Glass Product Manufacturing Made of Purchased Glass  
 327300 - Cement and Concrete Product Manufacturing  
 327310 - Cement Manufacturing  
 327320 - Ready-Mix Concrete Manufacturing  
 327330 - Concrete Pipe, Brick, and Block Manufacturing  
 327331 - Concrete Block and Brick Manufacturing  
 327332 - Concrete Pipe Manufacturing  
 327390 - Other Concrete Product Manufacturing  
 327400 - Lime and Gypsum Product Manufacturing  
 327410 - Lime Manufacturing  
 327420 - Gypsum Product Manufacturing  
 327900 - Other Nonmetallic Mineral Product Manufacturing  
 327910 - Abrasive Product Manufacturing  
 327990 - All Other Nonmetallic Mineral Product Manufacturing  
 327991 - Cut Stone and Stone Product Manufacturing  
 327992 - Ground or Treated Mineral and Earth Manufacturing  
 327993 - Mineral Wool Manufacturing  
 327999 - All Other Miscellaneous Nonmetallic Mineral Product Manufacturing  
 331000 - Primary Metal Manufacturing  
 331110 - Iron and Steel Mills and Ferroalloy Manufacturing  
 331200 - Steel Product Manufacturing from Purchased Steel  
 331210 - Iron and Steel Pipe and Tube Manufacturing from Purchased Steel  
 331220 - Rolling and Drawing of Purchased Steel  
 331221 - Rolled Steel Shape Manufacturing  
 331222 - Steel Wire Drawing  
 331310 - Alumina and Aluminum Production and Processing  
 331313 - Alumina Refining and Primary Aluminum Production  
 331314 - Secondary Smelting and Alloying of Aluminum  
 331315 - Aluminum Sheet, Plate, and Foil Manufacturing  
 331318 - Other Aluminum Rolling, Drawing, and Extruding  
 331400 - Nonferrous Metal (except Aluminum) Production and Processing  
 331410 - Nonferrous Metal (except Aluminum) Smelting and Refining  
 331420 - Copper Rolling, Drawing, Extruding, and Alloying  
 331490 - Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, Extruding, and Alloying  
 331491 - Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding  
 331492 - Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)  
 331500 - Foundries  
 331510 - Ferrous Metal Foundries  
 331511 - Iron Foundries  
 331512 - Steel Investment Foundries  
 331513 - Steel Foundries (except Investment)  
 331520 - Nonferrous Metal Foundries  
 331523 - Nonferrous Metal Die-Casting Foundries  
 331524 - Aluminum Foundries (except Die-Casting)  
 331529 - Other Nonferrous Metal Foundries (except Die-Casting)  
 332000 - Fabricated Metal Product Manufacturing  
 332110 - Forging and Stamping  
 332111 - Iron and Steel Forging  
 332112 - Nonferrous Forging  
 332114 - Custom Roll Forming  
 332117 - Powder Metallurgy Part Manufacturing  
 332119 - Metal Crown, Closure, and Other Metal Stamping (except Automotive)  
 332210 - Cutlery and Handtool Manufacturing  
 332215 - Metal Kitchen Cookware, Utensil, Cutlery, and Flatware (except Precious) Manufacturing  
 332216 - Saw Blade and Handtool Manufacturing  
 332300 - Architectural and Structural Metals Manufacturing  
 332310 - Plate Work and Fabricated Structural Product Manufacturing  
 332311 - Prefabricated Metal Building and Component Manufacturing  
 332312 - Fabricated Structural Metal Manufacturing  
 332313 - Plate Work Manufacturing  
 332320 - Ornamental and Architectural Metal Products Manufacturing  
 332321 - Metal Window and Door Manufacturing  
 332322 - Sheet Metal Work Manufacturing  
 332323 - Ornamental and Architectural Metal Work Manufacturing  
 332400 - Boiler, Tank, and Shipping Container Manufacturing  
 332410 - Power Boiler and Heat Exchanger Manufacturing  
 332420 - Metal Tank (Heavy Gauge) Manufacturing  
 332430 - Metal Can, Box, and Other Metal Container (Light Gauge) Manufacturing  
 332431 - Metal Can Manufacturing  
 332439 - Other Metal Container Manufacturing  
 332510 - Hardware Manufacturing  
 332610 - Spring and Wire Product Manufacturing  
 332613 - Spring Manufacturing  
 332618 - Other Fabricated Wire Product Manufacturing  
 332700 - Machine Shops; Turned Product; and Screw, Nut, and Bolt Manufacturing

332710 - Machine Shops  
 332720 - Turned Product and Screw, Nut, and Bolt Manufacturing  
 332721 - Precision Turned Product Manufacturing  
 332722 - Bolt, Nut, Screw, Rivet, and Washer Manufacturing  
 332810 - Coating, Engraving, Heat Treating, and Allied Activities  
 332811 - Metal Heat Treating  
 332812 - Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers  
 332813 - Electroplating, Plating, Polishing, Anodizing, and Coloring  
 332900 - Other Fabricated Metal Product Manufacturing  
 332910 - Metal Valve Manufacturing  
 332911 - Industrial Valve Manufacturing  
 332912 - Fluid Power Valve and Hose Fitting Manufacturing  
 332913 - Plumbing Fixture Fitting and Trim Manufacturing  
 332919 - Other Metal Valve and Pipe Fitting Manufacturing  
 332990 - All Other Fabricated Metal Product Manufacturing  
 332991 - Ball and Roller Bearing Manufacturing  
 332992 - Small Arms Ammunition Manufacturing  
 332993 - Ammunition (except Small Arms) Manufacturing  
 332994 - Small Arms, Ordnance, and Ordnance Accessories Manufacturing  
 332996 - Fabricated Pipe and Pipe Fitting Manufacturing  
 332999 - All Other Miscellaneous Fabricated Metal Product Manufacturing  
 333000 - Machinery Manufacturing  
 333100 - Agriculture, Construction, and Mining Machinery Manufacturing  
 333110 - Agricultural Implement Manufacturing  
 333111 - Farm Machinery and Equipment Manufacturing  
 333112 - Lawn and Garden Tractor and Home Lawn and Garden Equipment Manufacturing  
 333120 - Construction Machinery Manufacturing  
 333130 - Mining and Oil and Gas Field Machinery Manufacturing  
 333131 - Mining Machinery and Equipment Manufacturing  
 333132 - Oil and Gas Field Machinery and Equipment Manufacturing  
 333240 - Industrial Machinery Manufacturing  
 333241 - Food Product Machinery Manufacturing  
 333242 - Semiconductor Machinery Manufacturing  
 333243 - Sawmill, Woodworking, and Paper Machinery Manufacturing  
 333248 - All Other Industrial Machinery Manufacturing  
 333310 - Commercial and Service Industry Machinery Manufacturing  
 333410 - Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing  
 333413 - Industrial and Commercial Fan and Blower and Air Purification Equipment Manufacturing  
 333414 - Heating Equipment (except Warm Air Furnaces) Manufacturing  
 333415 - Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing  
 333510 - Metalworking Machinery Manufacturing  
 333511 - Industrial Mold Manufacturing  
 333514 - Special Die and Tool, Die Set, Jig, and Fixture Manufacturing  
 333515 - Cutting Tool and Machine Tool Accessory Manufacturing  
 333517 - Machine Tool Manufacturing  
 333519 - Rolling Mill and Other Metalworking Machinery Manufacturing  
 333610 - Engine, Turbine, and Power Transmission Equipment Manufacturing  
 333611 - Turbine and Turbine Generator Set Units Manufacturing  
 333612 - Speed Changer, Industrial High-Speed Drive, and Gear Manufacturing  
 333613 - Mechanical Power Transmission Equipment Manufacturing  
 333618 - Other Engine Equipment Manufacturing  
 333900 - Other General Purpose Machinery Manufacturing  
 333910 - Pump and Compressor Manufacturing  
 333912 - Air and Gas Compressor Manufacturing  
 333914 - Measuring, Dispensing, and Other Pumping Equipment Manufacturing  
 333920 - Material Handling Equipment Manufacturing  
 333921 - Elevator and Moving Stairway Manufacturing  
 333922 - Conveyor and Conveying Equipment Manufacturing  
 333923 - Overhead Traveling Crane, Hoist, and Monorail System Manufacturing  
 333924 - Industrial Truck, Tractor, Trailer, and Stacker Machinery Manufacturing  
 333990 - All Other General Purpose Machinery Manufacturing  
 333991 - Power-Driven Handtool Manufacturing  
 333992 - Welding and Soldering Equipment Manufacturing  
 333993 - Packaging Machinery Manufacturing  
 333994 - Industrial Process Furnace and Oven Manufacturing  
 333995 - Fluid Power Cylinder and Actuator Manufacturing  
 333996 - Fluid Power Pump and Motor Manufacturing  
 333998 - All Other Miscellaneous General Purpose Machinery Manufacturing  
 334000 - Computer and Electronic Product Manufacturing  
 334110 - Computer and Peripheral Equipment Manufacturing  
 334111 - Electronic Computer Manufacturing  
 334112 - Computer Storage Device Manufacturing  
 334118 - Computer Terminal and Other Computer Peripheral Equipment Manufacturing  
 334200 - Communications Equipment Manufacturing  
 334210 - Telephone Apparatus Manufacturing  
 334220 - Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing  
 334290 - Other Communications Equipment Manufacturing  
 334310 - Audio and Video Equipment Manufacturing  
 334410 - Semiconductor and Other Electronic Component Manufacturing

334412 - Bare Printed Circuit Board Manufacturing  
 334413 - Semiconductor and Related Device Manufacturing  
 334416 - Capacitor, Resistor, Coil, Transformer, and Other Inductor Manufacturing  
 334417 - Electronic Connector Manufacturing  
 334418 - Printed Circuit Assembly (Electronic Assembly) Manufacturing  
 334419 - Other Electronic Component Manufacturing  
 334510 - Electromedical and Electrotherapeutic Apparatus Manufacturing  
 334511 - Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing  
 334512 - Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use  
 334513 - Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables  
 334514 - Totalizing Fluid Meter and Counting Device Manufacturing  
 334515 - Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals  
 334516 - Analytical Laboratory Instrument Manufacturing  
 334517 - Irradiation Apparatus Manufacturing  
 334519 - Other Measuring and Controlling Device Manufacturing  
 334610 - Manufacturing and Reproducing Magnetic and Optical Media  
 335000 - Electrical Equipment, Appliance, and Component Manufacturing  
 335130 - Electric Lighting Equipment Manufacturing  
 335131 - Residential Electric Lighting Fixture Manufacturing  
 335132 - Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing  
 335139 - Electric Lamp Bulb and Other Lighting Equipment Manufacturing  
 335200 - Household Appliance Manufacturing  
 335210 - Small Electrical Appliance Manufacturing  
 335220 - Major Household Appliance Manufacturing  
 335310 - Electrical Equipment Manufacturing  
 335311 - Power, Distribution, and Specialty Transformer Manufacturing  
 335312 - Motor and Generator Manufacturing  
 335313 - Switchgear and Switchboard Apparatus Manufacturing  
 335314 - Relay and Industrial Control Manufacturing  
 335900 - Other Electrical Equipment and Component Manufacturing  
 335910 - Battery Manufacturing  
 335920 - Communication and Energy Wire and Cable Manufacturing  
 335921 - Fiber Optic Cable Manufacturing  
 335929 - Other Communication and Energy Wire Manufacturing  
 335930 - Wiring Device Manufacturing  
 335931 - Current-Carrying Wiring Device Manufacturing  
 335932 - Noncurrent-Carrying Wiring Device Manufacturing  
 335990 - All Other Electrical Equipment and Component Manufacturing  
 335991 - Carbon and Graphite Product Manufacturing  
 335999 - All Other Miscellaneous Electrical Equipment and Component Manufacturing  
 336000 - Transportation Equipment Manufacturing  
 336100 - Motor Vehicle Manufacturing  
 336110 - Automobile and Light Duty Motor Vehicle Manufacturing  
 336120 - Heavy Duty Truck Manufacturing  
 336210 - Motor Vehicle Body and Trailer Manufacturing  
 336211 - Motor Vehicle Body Manufacturing  
 336212 - Truck Trailer Manufacturing  
 336213 - Motor Home Manufacturing  
 336214 - Travel Trailer and Camper Manufacturing  
 336300 - Motor Vehicle Parts Manufacturing  
 336310 - Motor Vehicle Gasoline Engine and Engine Parts Manufacturing  
 336320 - Motor Vehicle Electrical and Electronic Equipment Manufacturing  
 336330 - Motor Vehicle Steering and Suspension Components (except Spring) Manufacturing  
 336340 - Motor Vehicle Brake System Manufacturing  
 336350 - Motor Vehicle Transmission and Power Train Parts Manufacturing  
 336360 - Motor Vehicle Seating and Interior Trim Manufacturing  
 336370 - Motor Vehicle Metal Stamping  
 336390 - Other Motor Vehicle Parts Manufacturing  
 336410 - Aerospace Product and Parts Manufacturing  
 336411 - Aircraft Manufacturing  
 336412 - Aircraft Engine and Engine Parts Manufacturing  
 336413 - Other Aircraft Parts and Auxiliary Equipment Manufacturing  
 336414 - Guided Missile and Space Vehicle Manufacturing  
 336415 - Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Parts Manufacturing  
 336419 - Other Guided Missile and Space Vehicle Parts and Auxiliary Equipment Manufacturing  
 336510 - Railroad Rolling Stock Manufacturing  
 336610 - Ship and Boat Building  
 336611 - Ship Building and Repairing  
 336612 - Boat Building  
 336990 - Other Transportation Equipment Manufacturing  
 336991 - Motorcycle, Bicycle, and Parts Manufacturing  
 336992 - Military Armored Vehicle, Tank, and Tank Component Manufacturing  
 336999 - All Other Transportation Equipment Manufacturing  
 337000 - Furniture and Related Product Manufacturing  
 337100 - Household and Institutional Furniture and Kitchen Cabinet Manufacturing  
 337110 - Wood Kitchen Cabinet and Countertop Manufacturing  
 337120 - Household and Institutional Furniture Manufacturing  
 337121 - Upholstered Household Furniture Manufacturing

337122 - Nonupholstered Wood Household Furniture Manufacturing  
 337126 - Household Furniture (except Wood and Upholstered) Manufacturing  
 337127 - Institutional Furniture Manufacturing  
 337210 - Office Furniture (including Fixtures) Manufacturing  
 337211 - Wood Office Furniture Manufacturing  
 337212 - Custom Architectural Woodwork and Millwork Manufacturing  
 337214 - Office Furniture (except Wood) Manufacturing  
 337215 - Showcase, Partition, Shelving, and Locker Manufacturing  
 337900 - Other Furniture Related Product Manufacturing  
 337910 - Mattress Manufacturing  
 337920 - Blind and Shade Manufacturing  
 339000 - Miscellaneous Manufacturing  
 339110 - Medical Equipment and Supplies Manufacturing  
 339112 - Surgical and Medical Instrument Manufacturing  
 339113 - Surgical Appliance and Supplies Manufacturing  
 339114 - Dental Equipment and Supplies Manufacturing  
 339115 - Ophthalmic Goods Manufacturing  
 339116 - Dental Laboratories  
 339900 - Other Miscellaneous Manufacturing  
 339910 - Jewelry and Silverware Manufacturing  
 339920 - Sporting and Athletic Goods Manufacturing  
 339930 - Doll, Toy, and Game Manufacturing  
 339940 - Office Supplies (except Paper) Manufacturing  
 339950 - Sign Manufacturing  
 339991 - Gasket, Packing, and Sealing Device Manufacturing  
 339992 - Musical Instrument Manufacturing  
 339993 - Fastener, Button, Needle, and Pin Manufacturing  
 339994 - Broom, Brush, and Mop Manufacturing  
 339995 - Burial Casket Manufacturing  
 339999 - All Other Miscellaneous Manufacturing  
 420000 - Wholesale Trade  
 423000 - Merchant Wholesalers, Durable Goods  
 423100 - Motor Vehicle and Motor Vehicle Parts and Supplies Merchant Wholesalers  
 423110 - Automobile and Other Motor Vehicle Merchant Wholesalers  
 423120 - Motor Vehicle Supplies and New Parts Merchant Wholesalers  
 423130 - Tire and Tube Merchant Wholesalers  
 423140 - Motor Vehicle Parts (Used) Merchant Wholesalers  
 423200 - Furniture and Home Furnishing Merchant Wholesalers  
 423210 - Furniture Merchant Wholesalers  
 423220 - Home Furnishing Merchant Wholesalers  
 423300 - Lumber and Other Construction Materials Merchant Wholesalers  
 423310 - Lumber, Plywood, Millwork, and Wood Panel Merchant Wholesalers  
 423320 - Brick, Stone, and Related Construction Material Merchant Wholesalers  
 423330 - Roofing, Siding, and Insulation Material Merchant Wholesalers  
 423390 - Other Construction Material Merchant Wholesalers  
 423400 - Professional and Commercial Equipment and Supplies Merchant Wholesalers  
 423410 - Photographic Equipment and Supplies Merchant Wholesalers  
 423420 - Office Equipment Merchant Wholesalers  
 423430 - Computer and Computer Peripheral Equipment and Software Merchant Wholesalers  
 423440 - Other Commercial Equipment Merchant Wholesalers  
 423450 - Medical, Dental, and Hospital Equipment and Supplies Merchant Wholesalers  
 423460 - Ophthalmic Goods Merchant Wholesalers  
 423490 - Other Professional Equipment and Supplies Merchant Wholesalers  
 423500 - Metal and Mineral (except Petroleum) Merchant Wholesalers  
 423510 - Metal Service Centers and Other Metal Merchant Wholesalers  
 423520 - Coal and Other Mineral and Ore Merchant Wholesalers  
 423600 - Household Appliances and Electrical and Electronic Goods Merchant Wholesalers  
 423610 - Electrical Apparatus and Equipment, Wiring Supplies, and Related Equipment Merchant Wholesalers  
 423620 - Household Appliances, Electric Housewares, and Consumer Electronics Merchant Wholesalers  
 423690 - Other Electronic Parts and Equipment Merchant Wholesalers  
 423700 - Hardware, and Plumbing and Heating Equipment and Supplies Merchant Wholesalers  
 423710 - Hardware Merchant Wholesalers  
 423720 - Plumbing and Heating Equipment and Supplies (Hydronics) Merchant Wholesalers  
 423730 - Warm Air Heating and Air-Conditioning Equipment and Supplies Merchant Wholesalers  
 423740 - Refrigeration Equipment and Supplies Merchant Wholesalers  
 423800 - Machinery, Equipment, and Supplies Merchant Wholesalers  
 423810 - Construction and Mining (except Oil Well) Machinery and Equipment Merchant Wholesalers  
 423820 - Farm and Garden Machinery and Equipment Merchant Wholesalers  
 423830 - Industrial Machinery and Equipment Merchant Wholesalers  
 423840 - Industrial Supplies Merchant Wholesalers  
 423850 - Service Establishment Equipment and Supplies Merchant Wholesalers  
 423860 - Transportation Equipment and Supplies (except Motor Vehicle) Merchant Wholesalers  
 423900 - Miscellaneous Durable Goods Merchant Wholesalers  
 423910 - Sporting and Recreational Goods and Supplies Merchant Wholesalers  
 423920 - Toy and Hobby Goods and Supplies Merchant Wholesalers  
 423930 - Recyclable Material Merchant Wholesalers  
 423940 - Jewelry, Watch, Precious Stone, and Precious Metal Merchant Wholesalers  
 423990 - Other Miscellaneous Durable Goods Merchant Wholesalers  
 424000 - Merchant Wholesalers, Nondurable Goods

424100 - Paper and Paper Product Merchant Wholesalers  
 424110 - Printing and Writing Paper Merchant Wholesalers  
 424120 - Stationery and Office Supplies Merchant Wholesalers  
 424130 - Industrial and Personal Service Paper Merchant Wholesalers  
 424210 - Drugs and Druggists' Sundries Merchant Wholesalers  
 424300 - Apparel, Piece Goods, and Notions Merchant Wholesalers  
 424310 - Piece Goods, Notions, and Other Dry Goods Merchant Wholesalers  
 424340 - Footwear Merchant Wholesalers  
 424350 - Clothing and Clothing Accessories Merchant Wholesalers  
 424400 - Grocery and Related Product Merchant Wholesalers  
 424410 - General Line Grocery Merchant Wholesalers  
 424420 - Packaged Frozen Food Merchant Wholesalers  
 424430 - Dairy Product (except Dried or Canned) Merchant Wholesalers  
 424440 - Poultry and Poultry Product Merchant Wholesalers  
 424450 - Confectionery Merchant Wholesalers  
 424460 - Fish and Seafood Merchant Wholesalers  
 424470 - Meat and Meat Product Merchant Wholesalers  
 424480 - Fresh Fruit and Vegetable Merchant Wholesalers  
 424490 - Other Grocery and Related Products Merchant Wholesalers  
 424500 - Farm Product Raw Material Merchant Wholesalers  
 424510 - Grain and Field Bean Merchant Wholesalers  
 424520 - Livestock Merchant Wholesalers  
 424590 - Other Farm Product Raw Material Merchant Wholesalers  
 424600 - Chemical and Allied Products Merchant Wholesalers  
 424610 - Plastics Materials and Basic Forms and Shapes Merchant Wholesalers  
 424690 - Other Chemical and Allied Products Merchant Wholesalers  
 424700 - Petroleum and Petroleum Products Merchant Wholesalers  
 424710 - Petroleum Bulk Stations and Terminals  
 424720 - Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and Terminals)  
 424800 - Beer, Wine, and Distilled Alcoholic Beverage Merchant Wholesalers  
 424810 - Beer and Ale Merchant Wholesalers  
 424820 - Wine and Distilled Alcoholic Beverage Merchant Wholesalers  
 424900 - Miscellaneous Nondurable Goods Merchant Wholesalers  
 424910 - Farm Supplies Merchant Wholesalers  
 424920 - Book, Periodical, and Newspaper Merchant Wholesalers  
 424930 - Flower, Nursery Stock, and Florists' Supplies Merchant Wholesalers  
 424940 - Tobacco Product and Electronic Cigarette Merchant Wholesalers  
 424950 - Paint, Varnish, and Supplies Merchant Wholesalers  
 424990 - Other Miscellaneous Nondurable Goods Merchant Wholesalers  
 425120 - Wholesale Trade Agents and Brokers  
 440000 - Retail Trade  
 441000 - Motor Vehicle and Parts Dealers  
 441100 - Automobile Dealers  
 441110 - New Car Dealers  
 441120 - Used Car Dealers  
 441200 - Other Motor Vehicle Dealers  
 441210 - Recreational Vehicle Dealers  
 441220 - Motorcycle, Boat, and Other Motor Vehicle Dealers  
 441222 - Boat Dealers  
 441227 - Motorcycle, ATV, and All Other Motor Vehicle Dealers  
 441300 - Automotive Parts, Accessories, and Tire Retailers  
 441330 - Automotive Parts and Accessories Retailers  
 441340 - Tire Dealers  
 444000 - Building Material and Garden Equipment and Supplies Dealers  
 444100 - Building Material and Supplies Dealers  
 444110 - Home Centers  
 444120 - Paint and Wallpaper Retailers  
 444140 - Hardware Retailers  
 444180 - Other Building Material Dealers  
 444200 - Lawn and Garden Equipment and Supplies Retailers  
 444230 - Outdoor Power Equipment Retailers  
 444240 - Nursery, Garden Center, and Farm Supply Retailers  
 445000 - Food and Beverage Retailers  
 445100 - Grocery and Convenience Retailers  
 445110 - Supermarkets and Other Grocery Retailers (except Convenience Retailers)  
 445130 - Convenience Retailers and Vending Machine Operators  
 445131 - Convenience Retailers  
 445132 - Vending Machine Operators  
 445200 - Specialty Food Retailers  
 445230 - Fruit and Vegetable Retailers  
 445240 - Meat Retailers  
 445250 - Fish and Seafood Retailers  
 445290 - Other Specialty Food Retailers  
 445291 - Baked Goods Retailers  
 445292 - Confectionery and Nut Retailers  
 445298 - All Other Specialty Food Retailers  
 445320 - Beer, Wine, and Liquor Retailers  
 449000 - Furniture, Home Furnishings, Electronics, and Appliance Retailers  
 449100 - Furniture and Home Furnishings Retailers  
 449110 - Furniture Retailers



449120 - Home Furnishings Retailers  
 449121 - Floor Covering Retailers  
 449122 - Window Treatment Retailers  
 449129 - All Other Home Furnishings Retailers  
 449210 - Electronics and Appliance Retailers  
 455000 - General Merchandise Retailers  
 455110 - Department Stores  
 455210 - Warehouse Clubs, Supercenters, and Other General Merchandise Retailers  
 455211 - Warehouse Clubs and Supercenters  
 455219 - All Other General Merchandise Retailers  
 456100 - Health and Personal Care Retailers  
 456110 - Pharmacies and Drug Retailers  
 456120 - Cosmetics, Beauty Supplies, and Perfume Retailers  
 456130 - Optical Goods Retailers  
 456190 - Other Health and Personal Care Retailers  
 456191 - Food (Health) Supplement Retailers  
 456199 - All Other Health and Personal Care Retailers  
 457000 - Gasoline Stations and Fuel Dealers  
 457100 - Gasoline Stations  
 457110 - Gasoline Stations with Convenience Stores  
 457120 - Other Gasoline Stations  
 457210 - Fuel Dealers  
 458000 - Clothing, Clothing Accessories, Shoe, and Jewelry Retailers  
 458110 - Clothing and Clothing Accessories Retailers  
 458210 - Shoe Retailers  
 458300 - Jewelry, Luggage, and Leather Goods Retailers  
 458310 - Jewelry Retailers  
 458320 - Luggage and Leather Goods Retailers  
 459000 - Sporting Goods, Hobby, Musical Instrument, Book, and Miscellaneous Retailers  
 459100 - Sporting Goods, Hobby, and Musical Instrument Retailers  
 459110 - Sporting Goods Retailers  
 459120 - Hobby, Toy, and Game Retailers  
 459130 - Sewing, Needlework, and Piece Goods Retailers  
 459140 - Musical Instrument and Supplies Retailers  
 459210 - Book Retailers and News Dealers  
 459310 - Florists  
 459400 - Office Supplies, Stationery, and Gift Retailers  
 459410 - Office Supplies and Stationery Retailers  
 459420 - Gift, Novelty, and Souvenir Retailers  
 459510 - Used Merchandise Retailers  
 459900 - Other Miscellaneous Retailers  
 459910 - Pet and Pet Supplies Retailers  
 459920 - Art Dealers  
 459930 - Manufactured (Mobile) Home Dealers  
 459991 - Tobacco, Electronic Cigarette, and Other Smoking Supplies Retailers  
 459999 - All Other Miscellaneous Retailers  
 480000 - Transportation and Warehousing  
 481000 - Air Transportation  
 481110 - Scheduled Air Transportation  
 481111 - Scheduled Passenger Air Transportation  
 481112 - Scheduled Freight Air Transportation  
 481210 - Nonscheduled Air Transportation  
 481211 - Nonscheduled Chartered Passenger Air Transportation  
 481212 - Nonscheduled Chartered Freight Air Transportation  
 481219 - Other Nonscheduled Air Transportation  
 482110 - Rail Transportation  
 482111 - Line-Haul Railroads  
 482112 - Short Line Railroads  
 483000 - Water Transportation  
 483110 - Deep Sea, Coastal, and Great Lakes Water Transportation  
 483111 - Deep Sea Freight Transportation  
 483112 - Deep Sea Passenger Transportation  
 483113 - Coastal and Great Lakes Freight Transportation  
 483114 - Coastal and Great Lakes Passenger Transportation  
 483210 - Inland Water Transportation  
 483211 - Inland Water Freight Transportation  
 483212 - Inland Water Passenger Transportation  
 484000 - Truck Transportation  
 484100 - General Freight Trucking  
 484110 - General Freight Trucking, Local  
 484120 - General Freight Trucking, Long-Distance  
 484121 - General Freight Trucking, Long-Distance, Truckload  
 484122 - General Freight Trucking, Long-Distance, Less Than Truckload  
 484200 - Specialized Freight Trucking  
 484210 - Used Household and Office Goods Moving  
 484220 - Specialized Freight (except Used Goods) Trucking, Local  
 484230 - Specialized Freight (except Used Goods) Trucking, Long-Distance  
 485000 - Transit and Ground Passenger Transportation  
 485110 - Urban Transit Systems  
 485111 - Mixed Mode Transit Systems

485112 - Commuter Rail Systems  
 485113 - Bus and Other Motor Vehicle Transit Systems  
 485119 - Other Urban Transit Systems  
 485210 - Interurban and Rural Bus Transportation  
 485300 - Taxi and Limousine Service  
 485310 - Taxi and Ridesharing Services  
 485320 - Limousine Service  
 485410 - School and Employee Bus Transportation  
 485510 - Charter Bus Industry  
 485990 - Other Transit and Ground Passenger Transportation  
 485991 - Special Needs Transportation  
 485999 - All Other Transit and Ground Passenger Transportation  
 486000 - Pipeline Transportation  
 486110 - Pipeline Transportation of Crude Oil  
 486210 - Pipeline Transportation of Natural Gas  
 486900 - Other Pipeline Transportation  
 486910 - Pipeline Transportation of Refined Petroleum Products  
 486990 - All Other Pipeline Transportation  
 487000 - Scenic and Sightseeing Transportation  
 487110 - Scenic and Sightseeing Transportation, Land  
 487210 - Scenic and Sightseeing Transportation, Water  
 487990 - Scenic and Sightseeing Transportation, Other  
 488000 - Support Activities for Transportation  
 488100 - Support Activities for Air Transportation  
 488110 - Airport Operations  
 488111 - Air Traffic Control  
 488119 - Other Airport Operations  
 488190 - Other Support Activities for Air Transportation  
 488210 - Support Activities for Rail Transportation  
 488300 - Support Activities for Water Transportation  
 488310 - Port and Harbor Operations  
 488320 - Marine Cargo Handling  
 488330 - Navigational Services to Shipping  
 488390 - Other Support Activities for Water Transportation  
 488400 - Support Activities for Road Transportation  
 488410 - Motor Vehicle Towing  
 488490 - Other Support Activities for Road Transportation  
 488510 - Freight Transportation Arrangement  
 488990 - Other Support Activities for Transportation  
 488991 - Packing and Crating  
 488999 - All Other Support Activities for Transportation  
 491110 - Postal Service  
 492000 - Couriers and Messengers  
 492110 - Couriers and Express Delivery Services  
 492210 - Local Messengers and Local Delivery  
 493100 - Warehousing and Storage  
 493110 - General Warehousing and Storage  
 493120 - Refrigerated Warehousing and Storage  
 493130 - Farm Product Warehousing and Storage  
 493190 - Other Warehousing and Storage  
 510000 - Information  
 512000 - Motion Picture and Sound Recording Industries  
 512100 - Motion Picture and Video Industries  
 512110 - Motion Picture and Video Production  
 512120 - Motion Picture and Video Distribution  
 512130 - Motion Picture and Video Exhibition  
 512131 - Motion Picture Theaters (except Drive-Ins)  
 512132 - Drive-In Motion Picture Theaters  
 512190 - Postproduction Services and Other Motion Picture and Video Industries  
 512191 - Teleproduction and Other Postproduction Services  
 512199 - Other Motion Picture and Video Industries  
 512200 - Sound Recording Industries  
 512230 - Music Publishers  
 512240 - Sound Recording Studios  
 512250 - Record Production and Distribution  
 512290 - Other Sound Recording Industries  
 513000 - Publishing Industries  
 513100 - Newspaper, Periodical, Book, and Directory Publishers  
 513110 - Newspaper Publishers  
 513120 - Periodical Publishers  
 513130 - Book Publishers  
 513140 - Directory and Mailing List Publishers  
 513190 - Other Publishers  
 513191 - Greeting Card Publishers  
 513199 - All Other Publishers  
 513210 - Software Publishers  
 516000 - Broadcasting and Content Providers  
 516100 - Radio and Television Broadcasting Stations  
 516110 - Radio Broadcasting Stations  
 516120 - Television Broadcasting Stations

	516210 - Media Streaming Distribution Services, Social Networks, and Other Media Networks and Content Providers
	517000 - Telecommunications
	517100 - Wired and Wireless Telecommunications (except Satellite)
	517110 - Wired and Wireless Telecommunications Carriers (except Satellite)
	517111 - Wired Telecommunications Carriers
	517112 - Wireless Telecommunications Carriers (except Satellite)
	517120 - Telecommunications Resellers and Agents for Wireless Telecommunication Services
	517121 - Telecommunications Resellers
	517122 - Agents for Wireless Telecommunications Services
	517410 - Satellite Telecommunications
	517810 - All Other Telecommunications
	518210 - Computing Infrastructure Providers, Data Processing, Web Hosting, and Related Services
	519200 - Web Search Portals, Libraries, Archives, and Other Information Services
	519210 - Libraries and Archives
	519290 - Web Search Portals and All Other Information Services
	520000 - Finance and Insurance
	521110 - Monetary Authorities-Central Bank
	522000 - Credit Intermediation and Related Activities
	522100 - Depository Credit Intermediation
	522110 - Commercial Banking
	522130 - Credit Unions
	522180 - Savings Institutions and Other Depository Credit Intermediation
	522200 - Nondepository Credit Intermediation
	522210 - Credit Card Issuing
	522220 - Sales Financing
	522290 - Other Nondepository Credit Intermediation
	522291 - Consumer Lending
	522292 - Real Estate Credit
	522299 - International, Secondary Market, and All Other Nondepository Credit Intermediation
	522300 - Activities Related to Credit Intermediation
	522310 - Mortgage and Nonmortgage Loan Brokers
	522320 - Financial Transactions Processing, Reserve, and Clearinghouse Activities
	522390 - Other Activities Related to Credit Intermediation
	523000 - Securities, Commodity Contracts, and Other Financial Investments and Related Activities
	523100 - Securities and Commodity Contracts Intermediation and Brokerage
	523150 - Investment Banking and Securities Intermediation
	523160 - Commodity Contracts Intermediation
	523210 - Securities and Commodity Exchanges
	523900 - Other Financial Investment Activities
	523910 - Miscellaneous Intermediation
	523940 - Portfolio Management and Investment Advice
	523990 - All Other Financial Investment Activities
	523991 - Trust, Fiduciary, and Custody Activities
	523999 - Miscellaneous Financial Investment Activities
	524000 - Insurance Carriers and Related Activities
	524100 - Insurance Carriers
	524110 - Direct Life, Health, and Medical Insurance Carriers
	524113 - Direct Life Insurance Carriers
	524114 - Direct Health and Medical Insurance Carriers
	524120 - Direct Insurance (except Life, Health, and Medical) Carriers
	524126 - Direct Property and Casualty Insurance Carriers
	524127 - Direct Title Insurance Carriers
	524128 - Other Direct Insurance (except Life, Health, and Medical) Carriers
	524130 - Reinsurance Carriers
	524200 - Agencies, Brokerages, and Other Insurance Related Activities
	524210 - Insurance Agencies and Brokerages
	524290 - Other Insurance Related Activities
	524291 - Claims Adjusting
	524292 - Pharmacy Benefit Management and Other Third Party Administration of Insurance and Pension
	Funds
	524298 - All Other Insurance Related Activities
	525000 - Funds, Trusts, and Other Financial Vehicles
	525100 - Insurance and Employee Benefit Funds
	525110 - Pension Funds
	525120 - Health and Welfare Funds
	525190 - Other Insurance Funds
	525900 - Other Investment Pools and Funds
	525910 - Open-End Investment Funds
	525920 - Trusts, Estates, and Agency Accounts
	525990 - Other Financial Vehicles
	530000 - Real Estate and Rental and Leasing
	531000 - Real Estate
	531100 - Lessors of Real Estate
	531110 - Lessors of Residential Buildings and Dwellings
	531120 - Lessors of Nonresidential Buildings (except Miniwarehouses)
	531130 - Lessors of Miniwarehouses and Self-Storage Units
	531190 - Lessors of Other Real Estate Property
	531210 - Offices of Real Estate Agents and Brokers
	531300 - Activities Related to Real Estate



531310 - Real Estate Property Managers  
 531311 - Residential Property Managers  
 531312 - Nonresidential Property Managers  
 531320 - Offices of Real Estate Appraisers  
 531390 - Other Activities Related to Real Estate  
 532000 - Rental and Leasing Services  
 532100 - Automotive Equipment Rental and Leasing  
 532110 - Passenger Car Rental and Leasing  
 532111 - Passenger Car Rental  
 532112 - Passenger Car Leasing  
 532120 - Truck, Utility Trailer, and RV (Recreational Vehicle) Rental and Leasing  
 532200 - Consumer Goods Rental  
 532210 - Consumer Electronics and Appliances Rental  
 532280 - Other Consumer Goods Rental  
 532281 - Formal Wear and Costume Rental  
 532282 - Video Tape and Disc Rental  
 532283 - Home Health Equipment Rental  
 532284 - Recreational Goods Rental  
 532289 - All Other Consumer Goods Rental  
 532310 - General Rental Centers  
 532400 - Commercial and Industrial Machinery and Equipment Rental and Leasing  
 532410 - Construction, Transportation, Mining, and Forestry Machinery and Equipment Rental and Leasing  
 532411 - Commercial Air, Rail, and Water Transportation Equipment Rental and Leasing  
 532412 - Construction, Mining, and Forestry Machinery and Equipment Rental and Leasing  
 532420 - Office Machinery and Equipment Rental and Leasing  
 532490 - Other Commercial and Industrial Machinery and Equipment Rental and Leasing  
 533110 - Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)  
 541000 - Professional, Scientific, and Technical Services  
 541100 - Legal Services  
 541110 - Offices of Lawyers  
 541120 - Offices of Notaries  
 541190 - Other Legal Services  
 541191 - Title Abstract and Settlement Offices  
 541199 - All Other Legal Services  
 541210 - Accounting, Tax Preparation, Bookkeeping, and Payroll Services  
 541211 - Offices of Certified Public Accountants  
 541213 - Tax Preparation Services  
 541214 - Payroll Services  
 541219 - Other Accounting Services  
 541300 - Architectural, Engineering, and Related Services  
 541310 - Architectural Services  
 541320 - Landscape Architectural Services  
 541330 - Engineering Services  
 541340 - Drafting Services  
 541350 - Building Inspection Services  
 541360 - Geophysical Surveying and Mapping Services  
 541370 - Surveying and Mapping (except Geophysical) Services  
 541380 - Testing Laboratories and Services  
 541400 - Specialized Design Services  
 541410 - Interior Design Services  
 541420 - Industrial Design Services  
 541430 - Graphic Design Services  
 541490 - Other Specialized Design Services  
 541510 - Computer Systems Design and Related Services  
 541511 - Custom Computer Programming Services  
 541512 - Computer Systems Design Services  
 541513 - Computer Facilities Management Services  
 541519 - Other Computer Related Services  
 541600 - Management, Scientific, and Technical Consulting Services  
 541610 - Management Consulting Services  
 541611 - Administrative Management and General Management Consulting Services  
 541612 - Human Resources Consulting Services  
 541613 - Marketing Consulting Services  
 541614 - Process, Physical Distribution, and Logistics Consulting Services  
 541618 - Other Management Consulting Services  
 541620 - Environmental Consulting Services  
 541690 - Other Scientific and Technical Consulting Services  
 541700 - Scientific Research and Development Services  
 541710 - Research and Development in the Physical, Engineering, and Life Sciences  
 541713 - Research and Development in Nanotechnology  
 541714 - Research and Development in Biotechnology (except Nanobiotechnology)  
 541715 - Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology)  
 541720 - Research and Development in the Social Sciences and Humanities  
 541800 - Advertising, Public Relations, and Related Services  
 541810 - Advertising Agencies  
 541820 - Public Relations Agencies  
 541830 - Media Buying Agencies  
 541840 - Media Representatives  
 541850 - Indoor and Outdoor Display Advertising

541860 - Direct Mail Advertising  
 541870 - Advertising Material Distribution Services  
 541890 - Other Services Related to Advertising  
 541900 - Other Professional, Scientific, and Technical Services  
 541910 - Marketing Research and Public Opinion Polling  
 541920 - Photographic Services  
 541921 - Photography Studios, Portrait  
 541922 - Commercial Photography  
 541930 - Translation and Interpretation Services  
 541940 - Veterinary Services  
 541990 - All Other Professional, Scientific, and Technical Services  
 551110 - Management of Companies and Enterprises  
 551111 - Offices of Bank Holding Companies  
 551112 - Offices of Other Holding Companies  
 551114 - Corporate, Subsidiary, and Regional Managing Offices  
 560000 - Administrative and Support and Waste Management and Remediation Services  
 561000 - Administrative and Support Services  
 561110 - Office Administrative Services  
 561210 - Facilities Support Services  
 561300 - Employment Services  
 561310 - Employment Placement Agencies and Executive Search Services  
 561311 - Employment Placement Agencies  
 561312 - Executive Search Services  
 561320 - Temporary Help Services  
 561330 - Professional Employer Organizations  
 561400 - Business Support Services  
 561410 - Document Preparation Services  
 561420 - Telephone Call Centers  
 561421 - Telephone Answering Services  
 561422 - Telemarketing Bureaus and Other Contact Centers  
 561430 - Business Service Centers  
 561431 - Private Mail Centers  
 561439 - Other Business Service Centers (including Copy Shops)  
 561440 - Collection Agencies  
 561450 - Credit Bureaus  
 561490 - Other Business Support Services  
 561491 - Repossession Services  
 561492 - Court Reporting and Stenotype Services  
 561499 - All Other Business Support Services  
 561500 - Travel Arrangement and Reservation Services  
 561510 - Travel Agencies  
 561520 - Tour Operators  
 561590 - Other Travel Arrangement and Reservation Services  
 561591 - Convention and Visitors Bureaus  
 561599 - All Other Travel Arrangement and Reservation Services  
 561600 - Investigation and Security Services  
 561610 - Investigation, Guard, and Armored Car Services  
 561611 - Investigation and Personal Background Check Services  
 561612 - Security Guards and Patrol Services  
 561613 - Armored Car Services  
 561620 - Security Systems Services  
 561621 - Security Systems Services (except Locksmiths)  
 561622 - Locksmiths  
 561700 - Services to Buildings and Dwellings  
 561710 - Exterminating and Pest Control Services  
 561720 - Janitorial Services  
 561730 - Landscaping Services  
 561740 - Carpet and Upholstery Cleaning Services  
 561790 - Other Services to Buildings and Dwellings  
 561900 - Other Support Services  
 561910 - Packaging and Labeling Services  
 561920 - Convention and Trade Show Organizers  
 561990 - All Other Support Services  
 562000 - Waste Management and Remediation Services  
 562110 - Waste Collection  
 562111 - Solid Waste Collection  
 562112 - Hazardous Waste Collection  
 562119 - Other Waste Collection  
 562210 - Waste Treatment and Disposal  
 562211 - Hazardous Waste Treatment and Disposal  
 562212 - Solid Waste Landfill  
 562213 - Solid Waste Combustors and Incinerators  
 562219 - Other Nonhazardous Waste Treatment and Disposal  
 562900 - Remediation and Other Waste Management Services  
 562910 - Remediation Services  
 562920 - Materials Recovery Facilities  
 562990 - All Other Waste Management Services  
 562991 - Septic Tank and Related Services  
 562998 - All Other Miscellaneous Waste Management Services  
 611000 - Educational Services

611110 - Elementary and Secondary Schools  
 611210 - Junior Colleges  
 611310 - Colleges, Universities, and Professional Schools  
 611400 - Business Schools and Computer and Management Training  
 611410 - Business and Secretarial Schools  
 611420 - Computer Training  
 611430 - Professional and Management Development Training  
 611510 - Technical and Trade Schools  
 611511 - Cosmetology and Barber Schools  
 611512 - Flight Training  
 611513 - Apprenticeship Training  
 611519 - Other Technical and Trade Schools  
 611600 - Other Schools and Instruction  
 611610 - Fine Arts Schools  
 611620 - Sports and Recreation Instruction  
 611630 - Language Schools  
 611690 - All Other Schools and Instruction  
 611691 - Exam Preparation and Tutoring  
 611692 - Automobile Driving Schools  
 611699 - All Other Miscellaneous Schools and Instruction  
 611710 - Educational Support Services  
 620000 - Health Care and Social Assistance  
 621000 - Ambulatory Health Care Services  
 621110 - Offices of Physicians  
 621111 - Offices of Physicians (except Mental Health Specialists)  
 621112 - Offices of Physicians, Mental Health Specialists  
 621210 - Offices of Dentists  
 621300 - Offices of Other Health Practitioners  
 621310 - Offices of Chiropractors  
 621320 - Offices of Optometrists  
 621330 - Offices of Mental Health Practitioners (except Physicians)  
 621340 - Offices of Physical, Occupational and Speech Therapists, and Audiologists  
 621390 - Offices of All Other Health Practitioners  
 621391 - Offices of Podiatrists  
 621399 - Offices of All Other Miscellaneous Health Practitioners  
 621400 - Outpatient Care Centers  
 621410 - Family Planning Centers  
 621420 - Outpatient Mental Health and Substance Abuse Centers  
 621490 - Other Outpatient Care Centers  
 621491 - HMO Medical Centers  
 621492 - Kidney Dialysis Centers  
 621493 - Freestanding Ambulatory Surgical and Emergency Centers  
 621498 - All Other Outpatient Care Centers  
 621510 - Medical and Diagnostic Laboratories  
 621511 - Medical Laboratories  
 621512 - Diagnostic Imaging Centers  
 621610 - Home Health Care Services  
 621900 - Other Ambulatory Health Care Services  
 621910 - Ambulance Services  
 621990 - All Other Ambulatory Health Care Services  
 621991 - Blood and Organ Banks  
 621999 - All Other Miscellaneous Ambulatory Health Care Services  
 622000 - Hospitals  
 622110 - General Medical and Surgical Hospitals  
 622210 - Psychiatric and Substance Abuse Hospitals  
 622310 - Specialty (except Psychiatric and Substance Abuse) Hospitals  
 623000 - Nursing and Residential Care Facilities  
 623110 - Nursing Care Facilities (Skilled Nursing Facilities)  
 623200 - Residential Intellectual and Developmental Disability, Mental Health, and Substance Abuse Facilities  
 623210 - Residential Intellectual and Developmental Disability Facilities  
 623220 - Residential Mental Health and Substance Abuse Facilities  
 623310 - Continuing Care Retirement Communities and Assisted Living Facilities for the Elderly  
 623311 - Continuing Care Retirement Communities  
 623312 - Assisted Living Facilities for the Elderly  
 623990 - Other Residential Care Facilities  
 624000 - Social Assistance  
 624100 - Individual and Family Services  
 624110 - Child and Youth Services  
 624120 - Services for the Elderly and Persons with Disabilities  
 624190 - Other Individual and Family Services  
 624200 - Community Food and Housing, and Emergency and Other Relief Services  
 624210 - Community Food Services  
 624220 - Community Housing Services  
 624221 - Temporary Shelters  
 624229 - Other Community Housing Services  
 624230 - Emergency and Other Relief Services  
 624310 - Vocational Rehabilitation Services  
 624410 - Child Care Services  
 710000 - Arts, Entertainment, and Recreation

711000 - Performing Arts, Spectator Sports, and Related Industries  
 711100 - Performing Arts Companies  
 711110 - Theater Companies and Dinner Theaters  
 711120 - Dance Companies  
 711130 - Musical Groups and Artists  
 711190 - Other Performing Arts Companies  
 711210 - Spectator Sports  
 711211 - Sports Teams and Clubs  
 711212 - Racetracks  
 711219 - Other Spectator Sports  
 711300 - Promoters of Performing Arts, Sports, and Similar Events  
 711310 - Promoters of Performing Arts, Sports, and Similar Events with Facilities  
 711320 - Promoters of Performing Arts, Sports, and Similar Events without Facilities  
 711410 - Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures  
 711510 - Independent Artists, Writers, and Performers  
 712100 - Museums, Historical Sites, and Similar Institutions  
 712110 - Museums  
 712120 - Historical Sites  
 712130 - Zoos and Botanical Gardens  
 712190 - Nature Parks and Other Similar Institutions  
 713000 - Amusement, Gambling, and Recreation Industries  
 713100 - Amusement Parks and Arcades  
 713110 - Amusement and Theme Parks  
 713120 - Amusement Arcades  
 713200 - Gambling Industries  
 713210 - Casinos (except Casino Hotels)  
 713290 - Other Gambling Industries  
 713900 - Other Amusement and Recreation Industries  
 713910 - Golf Courses and Country Clubs  
 713920 - Skiing Facilities  
 713930 - Marinas  
 713940 - Fitness and Recreational Sports Centers  
 713950 - Bowling Centers  
 713990 - All Other Amusement and Recreation Industries  
 720000 - Accommodation and Food Services  
 721000 - Accommodation  
 721100 - Traveler Accommodation  
 721110 - Hotels (except Casino Hotels) and Motels  
 721120 - Casino Hotels  
 721190 - Other Traveler Accommodation  
 721191 - Bed-and-Breakfast Inns  
 721199 - All Other Traveler Accommodation  
 721210 - RV (Recreational Vehicle) Parks and Recreational Camps  
 721211 - RV (Recreational Vehicle) Parks and Campgrounds  
 721214 - Recreational and Vacation Camps (except Campgrounds)  
 721310 - Rooming and Boarding Houses, Dormitories, and Workers' Camps  
 722000 - Food Services and Drinking Places  
 722300 - Special Food Services  
 722310 - Food Service Contractors  
 722320 - Caterers  
 722330 - Mobile Food Services  
 722410 - Drinking Places (Alcoholic Beverages)  
 722510 - Restaurants and Other Eating Places  
 722511 - Full-Service Restaurants  
 722513 - Limited-Service Restaurants  
 722514 - Cafeterias, Grill Buffets, and Buffets  
 722515 - Snack and Nonalcoholic Beverage Bars  
 810000 - Other Services (except Public Administration)  
 811000 - Repair and Maintenance  
 811100 - Automotive Repair and Maintenance  
 811110 - Automotive Mechanical and Electrical Repair and Maintenance  
 811111 - General Automotive Repair  
 811114 - Specialized Automotive Repair  
 811120 - Automotive Body, Paint, Interior, and Glass Repair  
 811121 - Automotive Body, Paint, and Interior Repair and Maintenance  
 811122 - Automotive Glass Replacement Shops  
 811190 - Other Automotive Repair and Maintenance  
 811191 - Automotive Oil Change and Lubrication Shops  
 811192 - Car Washes  
 811198 - All Other Automotive Repair and Maintenance  
 811210 - Electronic and Precision Equipment Repair and Maintenance  
 811310 - Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance  
 811400 - Personal and Household Goods Repair and Maintenance  
 811410 - Home and Garden Equipment and Appliance Repair and Maintenance  
 811411 - Home and Garden Equipment Repair and Maintenance  
 811412 - Appliance Repair and Maintenance  
 811420 - Upholstery and Furniture Repair  
 811430 - Footwear and Leather Goods Repair  
 811490 - Other Personal and Household Goods Repair and Maintenance

812000 - Personal and Laundry Services  
 812100 - Personal Care Services  
 812110 - Hair, Nail, and Skin Care Services  
 812111 - Barber Shops  
 812112 - Beauty Salons  
 812113 - Nail Salons  
 812191 - Diet and Weight Reducing Centers  
 812199 - Other Personal Care Services  
 812200 - Death Care Services  
 812210 - Funeral Homes and Funeral Services  
 812220 - Cemeteries and Crematories  
 812300 - Drycleaning and Laundry Services  
 812310 - Coin-Operated Laundries and Drycleaners  
 812320 - Drycleaning and Laundry Services (except Coin-Operated)  
 812330 - Linen and Uniform Supply  
 812331 - Linen Supply  
 812332 - Industrial Launderers  
 812900 - Other Personal Services  
 812910 - Pet Care (except Veterinary) Services  
 812920 - Photofinishing  
 812921 - Photofinishing Laboratories (except One-Hour)  
 812922 - One-Hour Photofinishing  
 812930 - Parking Lots and Garages  
 812990 - All Other Personal Services  
 813000 - Religious, Grantmaking, Civic, Professional, and Similar Organizations  
 813110 - Religious Organizations  
 813210 - Grantmaking and Giving Services  
 813211 - Grantmaking Foundations  
 813212 - Voluntary Health Organizations  
 813219 - Other Grantmaking and Giving Services  
 813310 - Social Advocacy Organizations  
 813311 - Human Rights Organizations  
 813312 - Environment, Conservation and Wildlife Organizations  
 813319 - Other Social Advocacy Organizations  
 813410 - Civic and Social Organizations  
 813900 - Business, Professional, Labor, Political, and Similar Organizations  
 813910 - Business Associations  
 813920 - Professional Organizations  
 813930 - Labor Unions and Similar Labor Organizations  
 813940 - Political Organizations  
 813990 - Other Similar Organizations (except Business, Professional, Labor, and Political Organizations)  
 814110 - Private Households  
 920000 - Public Administration  
 921100 - Executive, Legislative, and Other General Government Support  
 921110 - Executive Offices  
 921120 - Legislative Bodies  
 921130 - Public Finance Activities  
 921140 - Executive and Legislative Offices, Combined  
 921150 - American Indian and Alaska Native Tribal Governments  
 921190 - Other General Government Support  
 922100 - Justice, Public Order, and Safety Activities  
 922110 - Courts  
 922120 - Police Protection  
 922130 - Legal Counsel and Prosecution  
 922140 - Correctional Institutions  
 922150 - Parole Offices and Probation Offices  
 922160 - Fire Protection  
 922190 - Other Justice, Public Order, and Safety Activities  
 923100 - Administration of Human Resource Programs  
 923110 - Administration of Education Programs  
 923120 - Administration of Public Health Programs  
 923130 - Administration of Human Resource Programs (except Education, Public Health, and Veterans' Affairs Programs)  
 923140 - Administration of Veterans' Affairs  
 924100 - Administration of Environmental Quality Programs  
 924110 - Administration of Air and Water Resource and Solid Waste Management Programs  
 924120 - Administration of Conservation Programs  
 925100 - Administration of Housing Programs, Urban Planning, and Community Development  
 925110 - Administration of Housing Programs  
 925120 - Administration of Urban Planning and Community and Rural Development  
 926100 - Administration of Economic Programs  
 926110 - Administration of General Economic Programs  
 926120 - Regulation and Administration of Transportation Programs  
 926130 - Regulation and Administration of Communications, Electric, Gas, and Other Utilities  
 926140 - Regulation of Agricultural Marketing and Commodities  
 926150 - Regulation, Licensing, and Inspection of Miscellaneous Commercial Sectors  
 927110 - Space Research and Technology  
 928100 - National Security and International Affairs  
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 928120 - International Affairs

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Sub-types:	None

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Schema Component Representation

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Simple Type: **subAssetClassAll**

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Sub-types:	None

Name	subAssetClassAll
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Documentation	<p>All sub-asset classes from subAssetClassWithInstrumentType and subAssetClassWithNoInstrumentType</p> <p>ABS_STRUCT_PRD_ABCP - ABCP</p> <p>SVRN_BMB_AS - Agency Securities</p> <p>COM_AGR - Agricultural Commodities</p> <p>AMR_DEP_REC - American Depositary Receipts</p> <p>COM_BASE_MET - Base Metal Commodities</p> <p>ABS_CDO_JR_EQT - CDO (junior Equity)</p> <p>ABS_CDO_MEZZ - CDO (mezzanine)</p> <p>ABS_CDO_SNR - CDO (senior Or Higher)</p> <p>ABS_CLO_JR_EQT - CLO (junior Equity)</p> <p>ABS_CLO_MEZZ - CLO (mezzanine)</p> <p>ABS_CLO_SNR - CLO (senior Or Higher)</p> <p>CRR_DER - Correlation Derivatives</p> <p>COM_CRU_OIL - Crude Oil Commodities</p> <p>DIG_ASSET - Digital Assets</p> <p>FX_DER - Foreign Exchange Derivatives</p> <p>SVRN_BMB_GSE_BND - GSE Bonds</p> <p>COM_GOLD - Gold Commodities</p> <p>IDX_LST_EQT - Indices On Listed Equity</p> <p>INF_DER - Inflation Derivatives</p> <p>CNV_BND_FIN_INV_GD - Investment Grade Convertible Bonds Issued By Financial Institutions</p> <p>CNV_BND_NFIN_INV_GD - Investment Grade Convertible Bonds Not Issued By Financial Institutions</p> <p>CRP_BND_FIN_INV_GD - Investment Grade Corporate Bonds Issued By Financial Institutions (other Than Convertible Bonds)</p> <p>CRP_BND_NFIN_INV_GD - Investment Grade Corporate Bonds Not Issued By Financial Institutions (other Than Convertible Bonds)</p> <p>INV_OTH_SUB_ASST_CLS - Investments In Other Sub-asset Classes</p> <p>LST_EQT_FIN - Listed Equity Issued By Financial Institutions</p> <p>ABS_STRUCT_PRD_MBS - MBS</p> <p>COM_NAT_GAS - Natural Gas Commodities</p> <p>NON_US_IR_DER - Non-U.S. Currency Interest Rate Derivatives</p> <p>CNV_BND_FIN_NINV_GD - Non-investment Grade Convertible Bonds Issued By Financial Institutions</p> <p>CNV_BND_NFIN_NINV_GD - Non-investment Grade Convertible Bonds Not Issued By Financial Institutions</p> <p>CRP_BND_FIN_NINV_GD - Non-investment Grade Corporate Bonds Issued By Financial Institutions (other Than Convertible Bonds)</p> <p>CRP_BND_NFIN_NINV_GD - Non-investment Grade Corporate Bonds Not Issued By Financial Institutions (other Than Convertible Bonds)</p> <p>COM_OTH_PM - Other (non-gold) Precious Metal Commodities</p> <p>ABS_STRUCT_PRD_OABS - Other ABS</p> <p>COM_OTH - Other Commodities</p> <p>OTH_DER - Other Derivatives</p> <p>LST_EQT_OTH - Other Listed Equity</p> <p>LST_EQT_OTH_SN - Other Single Name Listed Equity</p> <p>SVRN_BMB_OTH_SUP_BND - Other Sovereign Bonds (including Supranational Bonds)</p> <p>ABS_STRUCT_PRD_OSPRD - Other Structured Products</p> <p>UNLST_EQT_OTH - Other Unlisted Equity</p> <p>COM_PWR_ENRG - Power And Other Energy Commodities</p> <p>REAL_EST - Real Estate</p> <p>SVRN_BMB_G10_NO_US - Sovereign Bonds Issued By G10 Countries Other Than The U.S</p> <p>USD_IR_DER - U.S. Dollar Interest Rate Derivatives</p> <p>SVRN_BMB_US_ST_LCL - U.S. State And Local Bonds</p>

US\_TRSY\_BILLS - U.S. Treasury Bills  
 US\_TRSY\_NOTES\_BNDS - U.S. Treasury Notes And Bonds  
 UNLST\_EQT\_FIN - Unlisted Equity Issued By Financial Institutions  
 VAR\_DER - Variance Derivatives  
 VOL\_DER - Volatility Derivatives  
 CSH\_EQ\_CD - Certificates Of Deposit  
 CRD\_DER\_EXO\_CDS - Exotic CDS  
 CRD\_DER\_FIN\_SN\_CDS - Financial Institution Single Name CDS  
 CRD\_DER\_IDX\_CDS - Index CDS  
 LOAN\_LVRG\_LN - Leveraged Loans  
 LOAN\_OTH\_LN\_NO\_REPO - Loans (excluding Leveraged Loans And Repo)  
 CSH\_EQ\_MM\_FNDS - Money Market Funds  
 NON\_US\_CURR\_HLDNG - Non-U.S. Currency Holdings  
 OPEN\_REPO - Open Repos  
 CSH\_EQ\_OTH - Other Cash And Cash Equivalents (excluding Bank Deposits, Certificates Of Deposit,  
 Money Market Funds, And U.S. Treasury Bills, Notes, And Bonds)  
 CSH\_EQ\_OTH\_DEP - Other Deposits  
 CRD\_DER\_OTH\_SN\_CDS - Other Single Name CDS  
 OVN\_REPO - Overnight Repo  
 CRD\_DER\_SVRN\_SN\_CDS - Sovereign Single Name CDS  
 TERM\_REPO - Term Repo (other Than Overnight)  
 US\_CURR\_HLDNG - U.S. Currency Holdings

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Simple Type: **subAssetClassFixedIncome**

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Sub-types:	None

Name	subAssetClassFixedIncome
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Documentation	<p>ABS_STRUCT_PRD_ABCP - ABCP</p> <p>ABS_CDO_JR_EQT - CDO (junior Equity)</p> <p>ABS_CDO_MEZZ - CDO (mezzanine)</p> <p>ABS_CDO_SNR - CDO (senior Or Higher)</p> <p>ABS_CLO_JR_EQT - CLO (junior Equity)</p> <p>ABS_CLO_MEZZ - CLO (mezzanine)</p> <p>ABS_CLO_SNR - CLO (senior Or Higher)</p> <p>CSH_EQ_CD - Certificates Of Deposit</p> <p>SVRN_BMB_GSE_BND - GSE Bonds</p> <p>CNV_BND_FIN_INV_GD - Investment Grade Convertible Bonds Issued By Financial Institutions</p> <p>CNV_BND_NFIN_INV_GD - Investment Grade Convertible Bonds Not Issued By Financial Institutions</p> <p>CNV_BND_FIN_NINV_GD - Non-investment Grade Convertible Bonds Issued By Financial Institutions</p> <p>CNV_BND_NFIN_NINV_GD - Non-investment Grade Convertible Bonds Not Issued By Financial Institutions</p> <p>CRP_BND_FIN_INV_GD - Investment Grade Corporate Bonds Issued By Financial Institutions (other Than Convertible Bonds)</p> <p>CRP_BND_NFIN_INV_GD - Investment Grade Corporate Bonds Not Issued By Financial Institutions (other Than Convertible Bonds)</p> <p>LOAN_LVRG_LN - Leveraged Loans</p> <p>LOAN_OTH_LN_NO_REPO - Loans (excluding Leveraged Loans And Repo)</p> <p>ABS_STRUCT_PRD_MBS - MBS</p> <p>NON_US_IR_DER - Non-U.S. Currency Interest Rate Derivatives</p> <p>CRP_BND_FIN_NINV_GD - Non-investment Grade Corporate Bonds Issued By Financial Institutions (other Than Convertible Bonds)</p> <p>CRP_BND_NFIN_NINV_GD - Non-investment Grade Corporate Bonds Not Issued By Financial Institutions (other Than Convertible Bonds)</p> <p>OPEN_REPO - Open Repos</p> <p>ABS_STRUCT_PRD_OABS - Other ABS</p> <p>SVRN_BMB_OTH_SUP_BND - Other Sovereign Bonds (including Supranational Bonds)</p> <p>ABS_STRUCT_PRD_OSPRD - Other Structured Products</p> <p>OVN_REPO - Overnight Repo</p> <p>SVRN_BMB_G10_NO_US - Sovereign Bonds Issued By G10 Countries Other Than The U.S</p> <p>TERM_REPO - Term Repo (other Than Overnight)</p> <p>SVRN_BMB_AS - U.S. Agency Securities</p> <p>USD_IR_DER - U.S. Dollar Interest Rate Derivatives</p> <p>SVRN_BMB_US_ST_LCL - U.S. State And Local Bonds</p> <p>US_TRSY_BILLS - U.S. Treasury Bills</p> <p>US_TRSY_NOTES_BNDS - U.S. Treasury Notes And Bonds</p>

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Simple Type: **subAssetClassWithInstrumentType**

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Sub-types:	None

Name	subAssetClassWithInstrumentType
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Documentation	<p>ABS_STRUCT_PRD_ABCP - ABCP</p> <p>SVRN_BMB_AS - Agency Securities</p> <p>COM_AGR - Agricultural Commodities</p> <p>AMR_DEP_REC - American Depositary Receipts</p> <p>COM_BASE_MET - Base Metal Commodities</p> <p>ABS_CDO_JR_EQT - CDO (junior Equity)</p> <p>ABS_CDO_MEZZ - CDO (mezzanine)</p> <p>ABS_CDO_SNR - CDO (senior Or Higher)</p> <p>ABS_CLO_JR_EQT - CLO (junior Equity)</p> <p>ABS_CLO_MEZZ - CLO (mezzanine)</p> <p>ABS_CLO_SNR - CLO (senior Or Higher)</p> <p>CRR_DER - Correlation Derivatives</p> <p>COM_CRU_OIL - Crude Oil Commodities</p> <p>DIG_ASSET - Digital Assets</p> <p>FX_DER - Foreign Exchange Derivatives</p> <p>SVRN_BMB_GSE_BND - GSE Bonds</p> <p>COM_GOLD - Gold Commodities</p> <p>IDX_LST_EQT - Indices On Listed Equity</p> <p>INF_DER - Inflation Derivatives</p> <p>CNV_BND_FIN_INV_GD - Investment Grade Convertible Bonds Issued By Financial Institutions</p> <p>CNV_BND_NFIN_INV_GD - Investment Grade Convertible Bonds Not Issued By Financial Institutions</p> <p>CRP_BND_FIN_INV_GD - Investment Grade Corporate Bonds Issued By Financial Institutions (other Than Convertible Bonds)</p> <p>CRP_BND_NFIN_INV_GD - Investment Grade Corporate Bonds Not Issued By Financial Institutions (other Than Convertible Bonds)</p> <p>INV_OTH_SUB_ASST_CLS - Investments In Other Sub-asset Classes</p> <p>LST_EQT_FIN - Listed Equity Issued By Financial Institutions</p> <p>ABS_STRUCT_PRD_MBS - MBS</p> <p>COM_NAT_GAS - Natural Gas Commodities</p> <p>NON_US_IR_DER - Non-U.S. Currency Interest Rate Derivatives</p> <p>CNV_BND_FIN_NINV_GD - Non-investment Grade Convertible Bonds Issued By Financial Institutions</p> <p>CNV_BND_NFIN_NINV_GD - Non-investment Grade Convertible Bonds Not Issued By Financial Institutions</p> <p>CRP_BND_FIN_NINV_GD - Non-investment Grade Corporate Bonds Issued By Financial Institutions (other Than Convertible Bonds)</p> <p>CRP_BND_NFIN_NINV_GD - Non-investment Grade Corporate Bonds Not Issued By Financial Institutions (other Than Convertible Bonds)</p> <p>COM_OTH_PM - Other (non-gold) Precious Metal Commodities</p> <p>ABS_STRUCT_PRD_OABS - Other ABS</p> <p>COM_OTH - Other Commodities</p> <p>OTH_DER - Other Derivatives</p> <p>LST_EQT_OTH - Other Listed Equity</p> <p>LST_EQT_OTH_SN - Other Single Name Listed Equity</p> <p>SVRN_BMB_OTH_SUP_BND - Other Sovereign Bonds (including Supranational Bonds)</p> <p>ABS_STRUCT_PRD_OSPRD - Other Structured Products</p> <p>UNLST_EQT_OTH - Other Unlisted Equity</p> <p>COM_PWR_ENRG - Power And Other Energy Commodities</p> <p>REAL_EST - Real Estate</p> <p>SVRN_BMB_G10_NO_US - Sovereign Bonds Issued By G10 Countries Other Than The U.S</p> <p>USD_IR_DER - U.S. Dollar Interest Rate Derivatives</p> <p>SVRN_BMB_US_ST_LCL - U.S. State And Local Bonds</p> <p>US_TRSY_BILLS - U.S. Treasury Bills</p> <p>US_TRSY_NOTES_BNDS - U.S. Treasury Notes And Bonds</p> <p>UNLST_EQT_FIN - Unlisted Equity Issued By Financial Institutions</p> <p>VAR_DER - Variance Derivatives</p> <p>VOL_DER - Volatility Derivatives</p>

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    <xs:enumeration value="INF_DER" />
    <xs:enumeration value="CNV_BND_FIN_INV_GD" />
    <xs:enumeration value="CNV_BND_NFIN_INV_GD" />
    <xs:enumeration value="CRP_BND_FIN_INV_GD" />
    <xs:enumeration value="CRP_BND_NFIN_INV_GD" />
    <xs:enumeration value="INV_OTH_SUB_ASST_CLS" />
    <xs:enumeration value="LST_EQT_FIN" />
    <xs:enumeration value="ABS_STRUCT_PRD_MBS" />
    <xs:enumeration value="COM_NAT_GAS" />
    <xs:enumeration value="NON_US_IR_DER" />
    <xs:enumeration value="CNV_BND_FIN_NINV_GD" />
    <xs:enumeration value="CNV_BND_NFIN_NINV_GD" />
    <xs:enumeration value="CRP_BND_FIN_NINV_GD" />
    <xs:enumeration value="CRP_BND_NFIN_NINV_GD" />
    <xs:enumeration value="COM_OTH_PM" />
    <xs:enumeration value="ABS_STRUCT_PRD_OABS" />
    <xs:enumeration value="COM_OTH" />
    <xs:enumeration value="OTH_DER" />
    <xs:enumeration value="LST_EQT_OTH" />
    <xs:enumeration value="LST_EQT_OTH_SN" />
    <xs:enumeration value="SVRN_BMB_OTH_SUP_BND" />
    <xs:enumeration value="ABS_STRUCT_PRD_OSPRD" />
    <xs:enumeration value="UNLST_EQT_OTH" />
    <xs:enumeration value="COM_PWR_ENRG" />
    <xs:enumeration value="REAL_EST" />
    <xs:enumeration value="SVRN_BMB_G10_NO_US" />
    <xs:enumeration value="USD_IR_DER" />
    <xs:enumeration value="SVRN_BMB_US_ST_LCL" />
    <xs:enumeration value="US_TRSY_BILLS" />
    <xs:enumeration value="US_TRSY_NOTES_BNDS" />
    <xs:enumeration value="UNLST_EQT_FIN" />
    <xs:enumeration value="VAR_DER" />
    <xs:enumeration value="VOL_DER" />
  </xs:restriction>
</xs:simpleType>
```

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Simple Type: **subAssetClassWithNoInstrumentType**

Super-types:	<a href="#">xs:string</a> < <b>subAssetClassWithNoInstrumentType</b> (by restriction)
Sub-types:	None

Name	subAssetClassWithNoInstrumentType
Content	<ul style="list-style-type: none"><li>Base XSD Type: string</li><li><i>value</i> comes from list: {'CSH_EQ_CD'   'CRD_DER_EXO_CDS'   'CRD_DER_FIN_SN_CDS'   'CRD_DER_IDX_CDS'   'LOAN_LVRG_LN'   'LOAN_OTH_LN_NO_REPO'   'CSH_EQ_MM_FNDS'   'NON_US_CURR_HLDNG'   'OPEN_REPO'   'CSH_EQ_OTH'   'CSH_EQ_OTH_DEP'   'CRD_DER_OTH_SN_CDS'   'OVN_REPO'   'CRD_DER_SVRN_SN_CDS'   'TERM_REPO'   'US_CURR_HLDNG'}</li></ul>
Documentation	<p>CSH_EQ_CD - Certificates Of Deposit CRD_DER_EXO_CDS - Exotic CDS CRD_DER_FIN_SN_CDS - Financial Institution Single Name CDS CRD_DER_IDX_CDS - Index CDS LOAN_LVRG_LN - Leveraged Loans LOAN_OTH_LN_NO_REPO - Loans (excluding Leveraged Loans And Repo) CSH_EQ_MM_FNDS - Money Market Funds NON_US_CURR_HLDNG - Non-U.S. Currency Holdings OPEN_REPO - Open Repos CSH_EQ_OTH - Other Cash And Cash Equivalents (excluding Bank Deposits, Certificates Of Deposit, Money Market Funds, And U.S. Treasury Bills, Notes, And Bonds) CSH_EQ_OTH_DEP - Other Deposits CRD_DER_OTH_SN_CDS - Other Single Name CDS OVN_REPO - Overnight Repo CRD_DER_SVRN_SN_CDS - Sovereign Single Name CDS TERM_REPO - Term Repo (other Than Overnight) US_CURR_HLDNG - U.S. Currency Holdings</p>

Schema Component Representation

```
<xs:simpleType name="subAssetClassWithNoInstrumentType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="CSH_EQ_CD" />
    <xs:enumeration value="CRD_DER_EXO_CDS" />
    <xs:enumeration value="CRD_DER_FIN_SN_CDS" />
    <xs:enumeration value="CRD_DER_IDX_CDS" />
    <xs:enumeration value="LOAN_LVRG_LN" />
    <xs:enumeration value="LOAN_OTH_LN_NO_REPO" />
    <xs:enumeration value="CSH_EQ_MM_FNDS" />
    <xs:enumeration value="NON_US_CURR_HLDNG" />
    <xs:enumeration value="OPEN_REPO" />
    <xs:enumeration value="CSH_EQ_OTH" />
    <xs:enumeration value="CSH_EQ_OTH_DEP" />
    <xs:enumeration value="CRD_DER_OTH_SN_CDS" />
    <xs:enumeration value="OVN_REPO" />
    <xs:enumeration value="CRD_DER_SVRN_SN_CDS" />
    <xs:enumeration value="TERM_REPO" />
    <xs:enumeration value="US_CURR_HLDNG" />
  </xs:restriction>
</xs:simpleType>
```

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Simple Type: withdrawalRedemptionTermType

Super-types:	<a href="#">xs:string</a> < <b>withdrawalRedemptionTermType</b> (by restriction)
Sub-types:	None

Name	withdrawalRedemptionTermType
Content	<ul style="list-style-type: none"><li>Base XSD Type: string</li><li>value comes from list: {'1'   '2'   '3'   '4'   '5'}</li></ul>
Documentation	<p>1 - on any business day</p> <p>2 - at intervals of least two business days and up to a month</p> <p>3 - at intervals longer than monthly up to quarterly</p> <p>4 - at intervals longer than quarterly up to annually</p> <p>5 - at intervals of more than one year</p>

Schema Component Representation

```
<xs:simpleType name="withdrawalRedemptionTermType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="1"/>
    <xs:enumeration value="2"/>
    <xs:enumeration value="3"/>
    <xs:enumeration value="4"/>
    <xs:enumeration value="5"/>
  </xs:restriction>
</xs:simpleType>
```

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Simple Type: **YesNoNaType**

Super-types:	<a href="#">xs:string</a> < <b>YesNoNaType</b> (by restriction)
Sub-types:	None

Name	YesNoNaType
Content	<ul style="list-style-type: none"><li>Base XSD Type: string</li><li><i>value</i> comes from list: {'Yes'   'No'   'NA'}</li></ul>

Schema Component Representation

```
<xs:simpleType name="YesNoNaType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Yes" />
    <xs:enumeration value="No" />
    <xs:enumeration value="NA" />
  </xs:restriction>
</xs:simpleType>
```

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# Filing Result Schema Reference

## Schema Properties

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## Global Declarations

Element: **pfFileResponse**

Name	pfFileResponse
Type	Locally-defined complex type
Niltable	no
Abstract	no

XML Instance Representation

```
<pfFileResponse>
  Start All[1]
    <status> xs:string </status> [1]
    <message> xs:string </message> [1]
    <errors> xs:string </errors> [0..1]
    <filingType> xs:string (value comes from list: {'INITIAL'|'AMENDMENT'|'UPDATING'|'FINAL'|'TRANSITION'})
    </filingType> [0..1]
    <initialInstanceId> xs:string </initialInstanceId> [0..1]
    <currentInstanceId> xs:string </currentInstanceId> [0..1]
    <filingId> xs:string </filingId> [0..1]
    <reportingPeriodEndDate> xs:string </reportingPeriodEndDate> [0..1]
    <reportingPeriodType> xs:string </reportingPeriodType> [0..1]
    <reportingPeriodQuarter> xs:string </reportingPeriodQuarter> [0..1]
    <uploadOrgId> xs:string </uploadOrgId> [1]
    <uploadUserName> xs:string </uploadUserName> [1]
    <uploadFileName> xs:string </uploadFileName> [1]
    <uploadTimestamp> xs:dateTime </uploadTimestamp> [0..1]
    <formType> xs:string (value comes from list: {'section 5'|'section 6'|'section 1-4'}) </formType> [0..1]
  End All
</pfFileResponse>
```

```
<xsd:element name="pfFileResponse">
  <xsd:complexType>
    <xsd:all>
      <xsd:element name="status" type="xs:string"/>
      <xsd:element name="message" type="xs:string"/>
      <xsd:element name="errors" type="xs:string" minOccurs="0" maxOccurs="1"/>
      <xsd:element name="filingType" minOccurs="0" maxOccurs="1">
        <xsd:simpleType>
          <xsd:restriction base="xs:string">
            <xsd:enumeration value="INITIAL"/>
            <xsd:enumeration value="AMENDMENT"/>
            <xsd:enumeration value="UPDATING"/>
            <xsd:enumeration value="FINAL"/>
            <xsd:enumeration value="TRANSITION"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
      <xsd:element name="initialInstanceId" type="xs:string" minOccurs="0" maxOccurs="1"/>
      <xsd:element name="currentInstanceId" type="xs:string" minOccurs="0" maxOccurs="1"/>
      <xsd:element name="filingId" type="xs:string" minOccurs="0" maxOccurs="1"/>
      <xsd:element name="reportingPeriodEndDate" type="xs:string" minOccurs="0" maxOccurs="1"/>
      <xsd:element name="reportingPeriodType" type="xs:string" minOccurs="0" maxOccurs="1"/>
      <xsd:element name="reportingPeriodQuarter" type="xs:string" minOccurs="0" maxOccurs="1"/>
      <xsd:element name="uploadOrgId" type="xs:string"/>
      <xsd:element name="uploadUserName" type="xs:string"/>
      <xsd:element name="uploadFileName" type="xs:string"/>
      <xsd:element name="uploadTimestamp" type="xs:dateTime" minOccurs="0" maxOccurs="1"/>
      <xsd:element name="formType" minOccurs="0" maxOccurs="1">
        <xsd:simpleType>
          <xsd:restriction base="xs:string">
            <xsd:enumeration value="section 5"/>
            <xsd:enumeration value="section 6"/>
            <xsd:enumeration value="section 1-4"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
    </xsd:all>
  </xsd:complexType>
</xsd:element>
```

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