Open-End Fund (OEF) 2024 Taxonomy Guide

March 18, 2024

1 GOAL

This Open-End Fund (OEF) Taxonomy Guide is being posted for public review. Commission staff encourages the public to participate in the public review of this Taxonomy Guide, which provides the technical specifications as to the use of the Inline eXtensible Business Reporting Language (iXBRL) for the submission of certain required disclosures in the prospectus risk/return summary and shareholder report.

2 AUDIENCE

This document provides the technical specification for registrants required to submit information as required by Forms N-1A, N-CSR and others using Interactive Data. It explains to a technical audience how to create conforming Interactive Data documents. This specification does not provide interpretative guidance for any rule. Readers should be familiar with Interactive Data as described in the Electronic Data Gathering, Analysis, and Retrieval (EDGAR) Filer Manual [EFM] volume II versions prior to v70, including Inline XBRL [iXBRL] and XBRL Dimensions [DIM]. Readers will find that familiarity with the Mutual Fund Prospectus Risk/Return (RR) Summary taxonomy [RR], Closed End Fund [CEF], and Variable Insurance Products [VIP] will also be helpful.

3 STATUS

This is the final version for OEF version 2024. Technical details may change in future OEF versions. For example, elements may be added, deprecated, or deleted. Data validations specific to OEF may be added, altered, or removed from Electronic Data Gathering Analysis and Retrieval (EDGAR) validations [EFM].

Contents

4   INSTANCE DOCUMENT CONTENT

A typical Inline XBRL document[1] conforming to this specification will consist largely of eXtensible HyperText Markup Language (XHTML) elements, with a relatively small number of Inline XBRL (iXBRL) elements to mark the required information. The OEF Taxonomy is based on disclosure requirements; it is not limited to any specific Form or EDGAR submission type. Generally, though, there are two distinct sets of disclosure items appearing on two forms, having some common concepts and data structuring conventions both covered by OEF.

Figure 1. Interactive Data Content Covered by OEF, with roughly similar content between Items 2-4 and Item 27A.

Items 2-4. Risk/Return Summary	Item 27A. Annual and Semi-Annual Reports
Item 2. Investment Objectives/Goals	
Item 3. Fee Table (Fees and Expenses of the Fund)	(c) Fund Expenses
Item 4. Investments, Risks, and Performance Management	(d) Management's Discussion of Fund Performance
	(1) Key factors affecting performance
(a) Principal Investment Strategies of the Fund	
(b) Principal Risks of Investing in the Fund	
(b)(1) Narrative Risk Disclosure	
(b)(2) Bar Chart and Table	(2) Line graph and table
(b)(3) Average Annual Returns	
	(e) Fund Statistics
	(f) Graphical Representation of Holdings
	(g) Material Fund Changes
	(h) Changes in and Disagreements with Accountants
	(i) Availability of Additional Information

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[1] EFM 5.2.2.5 specifies that technically, it is an Inline XBRL Document *Set* that may be provided in a submission, but the distinction is not important for the purposes of this Taxonomy Guide.

5 TAXONOMY FILES

The taxonomy has two required entry points[2], one for each set of disclosure requirements. Form N-1A submissions that have a Risk/Return Summary use the "oef-rr" entry point; Forms such as N-CSR that have a Shareholder Report use the "oef-sr" entry point, hereinafter simply called oef-rr and oef-sr.

For example, an N-1A registrant filing on certain EDGAR submission types, such as 485BPOS and 497, will provide an iXBRL document that uses oef-rr[3]. That same registrant filing an N-CSR will provide an iXBRL document using oef-sr.

The taxonomy is designed to support iXBRL submissions requiring only minimal filer taxonomy customization. The dimensional linkbase, standard labels, and authoritative references are all embedded into a single core schema; sr and rr differ as to the presentation linkbase. Both entry points are largely sufficient for the EDGAR Renderer (EFM sections 6.24 and 6.25) to produce a rendering that conforms to EFM section 6.12.3[4]. Submissions are all iXBRL and therefore exempt from the requirements of EFM 6.13.2 and 6.13.3[5].

The organization of the taxonomy is illustrated in the table below; each arrow ↘ points from the referring file to the referred one.

Figure 2. Files in the OEF Taxonomy

Name	File type	Remarks
oef-rr	entry point - Risk/Return Summaries	Embedded presentation links for rr
↘ oef-cal	entry point	Embedded calculation links for rr
↘ oef	core schema *	
oef-sr	entry point - Shareholder Reports	Embedded presentation links for sr
↘ oef	core schema *	
oef-entire	entry point for viewing, not submissions	The union of sr and rr presentation links.
↘ oef	core schema *	
		* Core schema contains embedded reference, label, and dimensional links

Like other EDGAR standard taxonomies, there is no "_doc.xsd" schema with an embedded linkbase providing additional text about each concept. The reference linkbase embedded in the core schema provides the location of the specific section of the relevant Form or Forms and the instructions on those Forms that describe the associated disclosure requirement.

5.1 Versioning

Following the file naming of other standard taxonomies, a file from (for example) a "2nd Quarter 2032" taxonomy file containing reference links would be located at https://xbrl.sec.gov/xyz/2032q2/xyz-2032q2_ref.xsd.

Following the target namespace conventions of other EDGAR standard taxonomies, the current namespace[6] of the core OEF schema is http://xbrl.sec.gov/oef/2023 with standard prefix oef. This is analogous to the namespace of the Document and Entity Information schema, http://xbrl.sec.gov/dei/2023 with prefix dei.

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[2] All EDGAR standard taxonomies conventionally have "entry point" schemas that contain no declarations of their own, but only embedded linkbases or links to other schemas and linkbases.

[3] The content of oef-rr and the RR taxonomy have many identical concepts, and they are organized similarly, but not identically.

[4] EFM 6.12.3 is "Every element in an instance must be presented."

[5] EFM 6.13.2 reads "Present facts according to their locations in the original HTML/ASCII document"; EFM 6.13.3 reads "Order and indent facts according to their positions in the original HTML/ASCII document".

[6] A namespace URI (uniform resource identifier) is not a URL (uniform resource locator); it does not identify a web address.

An OEF taxonomy of any given year (irrespective of quarter) is compatible with any other EDGAR standard taxonomy of the same year, and incompatible with other years.

5.2   Imported Concepts and Definition Links

The OEF schema uses concepts from several other taxonomies (of the same year) by linking directly to them in the OEF's definition or presentation links. The table below shows these concepts. Additional members in these taxonomies (US-GAAP Financial Reporting Taxonomy, [GRT]; SEC Reporting Taxonomy, [SRT]; Document and Entity Information, [DEI]) appear via targetRole indirect references [DIM] to the other taxonomy's definition links.

Figure 3. Concepts imported by OEF

Taxonomy	Concept	Type	Additional members
GRT	AssetsNet	Monetary	
GRT	InvestmentCompanyPortfolioTurnover	Percent	
GRT	InvestmentTypeAxis	Dimension	
GRT	InvestmentTypeCategorizationMember	Domain member	Yes
GRT	EquitySecuritiesIndustryMember	Domain member	Yes
SRT	SegmentGeographicalDomain	Domain member	Yes
SRT	CreditRatingAMBestDomain	Domain member	
SRT	ExternalCreditRatingFitchMember	Domain member	
SRT	ExternalCreditRatingMoodysMember	Domain member	
SRT	ExternalCreditRatingStandardPoorsMember	Domain member	
COUNTRY	AllCountriesDomain	Domain member	Yes
DEI	DocumentType	String	
DEI	AmendmentDescription	String	
DEI	AmendmentFlag	Boolean	
DEI	EntityCentralIndexKey	String	
DEI	EntityInvCompanyType	String	
DEI	EntityRegistrantName	String	
DEI	DocumentPeriodEndDate	Date	
DEI	DocumentCreationDate	Date	
DEI	DocumentEffectiveDate	Date	
DEI	DocumentInformationDocumentAxis	Dimension	
DEI	DocumentDomain	Domain member	
DEI	LegalEntityAxis	Dimension	
DEI	EntityDomain	Domain member	
DEI	NoTradingSymbolFlag	Boolean	
DEI	TradingSymbol	String up to 25 characters	
DEI	SecurityExchangeName	EDGAR Exchange Code	

6   SCHEMA ELEMENTS (CONCEPTS)

The taxonomy concepts follow element naming and standard label conventions that convey both meaning and data type. The definition linkbase organizes the concepts into dimensional tables, and the presentation linkbase organizes the concepts into a hierarchy (one for each form) and ordering to produce an adequate EDGAR rendering. There are several "Table Text Blocks", but these are used only to encapsulate elements repeated along one or more dimensions (*i.e.*, they do not prescribe a tabular format for the disclosures).

Real taxonomy concepts never have a dash "-" in them; the appearance of a dash break a long element name across lines in the column of any figure of this document is strictly a layout convention.

6.1   Numeric Concepts

Certain abbreviations denote numeric facts of a numeric data type with an indication of the XBRL unit to which they should refer. Names of the form "X Over Y" indicate a ratio (numerator over denominator).

Abbreviation	Sample Element	Sample Label	Type	Unit Measure
Pct	AnnlRtrPct	Annual Return [Percent]	Percent	xbrli:pure
Pct	PctOfNav	Percent of Net Asset Value	Percent	xbrli:pure
Amt	ExpensesPaidAmt	Expenses Paid, Amount	Dollars	iso4217:USD
Days	EtfPremiumNumDays	ETF Premium, Number of Days	Days	utr:D
Over	ManagementFeesOverAssets	Management Fees over Assets	Percent	xbrli:pure

Numeric concepts are organized into definition link roles according to the table in which they appear, as required by the form. There is little or no need, therefore, for custom taxonomies to define numeric concepts, change their labels, or "re-wire" them into custom definition or presentation links.

6.2 Text Block Concepts

Text block concepts contain formatted XHTML text that is normally entirely or mostly narrative. Inline XBRL elements can be nested, or "wrap" other numeric or non-numeric Inline XBRL elements.

Suffix	Sample Element	Sample Label
TextBlock	PortfolioTurnoverTextBlock	Portfolio Turnover [Text Block]

For example, the content outlined in orange is a text block, the content shaded gray is a numeric element:

> The Fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). For the fiscal year ended November 30, 2022, the Dividend Fund's portfolio turnover rate was 33% of the average value of the portfolio.

Because the content of a text block may be extracted and viewed in a browser within some other software application, it is good practice to ensure that the XHTML has style attributes with sufficient CSS properties to display as intended. The fragment above, for example, is tagged with font family and size:

```
<ix:nonNumeric name="PortfolioTurnoverTextBlock" contextRef="…" escape="true">
 <p style="font-family: 'Times New Roman, serif'; font-size: 9pt; line-height: 1.15;">
The Fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). For the fiscal year ended
November 30, 2022, the Fund's portfolio turnover rate was <ix:nonFraction name="oef:PortfolioTurnoever" contextRef="…" unitRef="Rate"
decimals="2" scale="-2" >33</ix:nonFraction>% of the average value of the portfolio. </p>
</ix:nonNumeric>
```

6.3 Table Text Block Concepts

A table text block differs from an ordinary text block only in its intended use to enclose a set of repeating or very similar numeric, string or other *non*-text block facts[7].

Suffix	Sample Element	Sample Label
TableTextBlock	AvgAnnlRtrTableTextBlock	Average Annual Return [Table Text Block]

For example, the following is a table text block (orange outline) with twelve tagged facts inside (gray shading):

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[7] OEF table text block facts do not contain embedding commands as documented in EFM 6.25; this is different than RR. Also, a series of related paragraphs using the same text block concepts in different contexts that appear in a multi-axis table (for example, see 8.5.1 Risks, by Series Risks, by Series), is not an intended use of an OEF table text block; this is different than the CEF or VIP taxonomies.

Average Annual Total Returns % (as of 12/31/30)	One Year	Five Years	Ten Years
Return Before Taxes:			
Class A Shares			
Return Before Taxes	-0.30	3.89	4.75
Return After Taxes on Distributions	-2.01	2.15	2.45
Return After Taxes on Distributions and Sale of Fund Shares	-0.23	2.27	2.60
XYZ Index % (Reflects no deduction for fees, expenses or taxes)	4.33	5.06	6.24

The instructions to the forms often require additional disclosure text that appears after the table and that applies to the table as a whole, or to individual items in the table. Text blocks for this purpose will have words such as "Footnotes" or "Explanation" in their name to distinguish them from the table text blocks. For example, the concept oef:PerformanceTableFootnotesTextBlock is for the additional text about a table that includes one or more types of performance related facts. The (table text block) fact for the table itself is distinct from the (text block) fact for additional text.

6.4   Other Non-numeric Concepts

A small number of other non-numeric data concepts appear in the taxonomy. Where a string is restricted by a pattern or small set of values this is noted with a dagger (†).

Suffix	Sample Concept	Sample Label	Type
Flag	dei:NoTradingSymbolFlag	No Trading Symbol [Flag]	Boolean
Date	oef:BarChartLowestQuarterlyReturnDate	Lowest Quarterly Return, Date	Date
	oef:AddlInfoEmail	Additional Information, Email	String
	oef:ClassName	Class Name	String †

† Length must be from 1 to 150 characters.

EDGAR provides Inline XBRL custom transformations for Boolean and Quarter End data types (EFM 5.2.5.12). Those transformations mean that there is no reason for these facts to appear in an iXBRL document within the <ix:hidden> tag (EFM 5.2.5.14). Facts for string concepts should have no HTML formatting or extra whitespace.

6.5   Authoritative references

The reference linkbase uses the same hierarchy as in other EDGAR standard taxonomies: Publisher, Name, Number, Section, Subsection, Paragraph, Subparagraph, Sentence, and Clause.

For example, the concept "Account Value" has this reference:

Reference Part	Value
Publisher	SEC
Name	Form N-1A
Section	27A
Subsection	d
Paragraph	2
Subparagraph	i

Most concepts have only a single reference, some appear in more than one location in Form N-1A and may have multiple references.

6.6   Labels

As illustrated above, all OEF concepts have a standard label that is intended to align to the concept name. Most concepts are associated to their standard label via a link with priority "10" so that the label cannot be overridden[8]. A few concepts intentionally have priority "0" relationships and can be customized by the filer.

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[8] EFM 6.9.9 reads: "The value of the priority attribute must be strictly less than 10. Standard taxonomy linkbases may prevent specific relationships from being prohibited."

Elements imported from the GRT, SRT and COUNTRY taxonomies (see Figure 3 above) have no standard labels in OEF and must be given standard labels by the filer to be used.

When the presentation of the concept is constrained by the taxonomy in such a way that when rendered, the meaning will be clear, the taxonomy also provides a label with role http://www.xbrl.org/2003/role/terseLabel:

Concept	Label Role	Label
oef:GeographicRegionAxis	label	Geographic Region [Axis]
oef:GeographicRegionAxis	terseLabel	Region:

7   LINKBASE ROLES

As in other EDGAR standard taxonomies, linkbase roles serve to define presentation, definition and calculation links. All OEF role URIs begin with http://xbrl.sec.gov/oef/role/ or http://xbrl.sec.gov/rr/role/ and end with a camel-case token such as ShareholderReport as its Role ID. The definition text of each role follows the pattern described in EFM 6.7.12.

The figure below shows the roles used exclusively in Risk/Return summaries; the column "Links" indicates which type of links it is used on (p - presentation, d - definition, c - calculation).

Figure 4. Roles prefixed http://xbrl.sec.gov/rr/role/

Role ID	Definition Text	Links
N1aCover	010000 - Disclosure - Form N-1A Cover	p, d
RiskReturn	010001 - Disclosure - Investment Objectives and Goals	p, d
FeesAndExpenses	010002 - Disclosure - Fees and Expenses	p, d
InvestmentStrategy	010003 - Disclosure - Investment Strategy	p, d
InvestmentRisks	010004 - Disclosure - Investment Risks	p, d
PerformanceManagement	010005 - Disclosure - Performance Management	p, d
ShareholderFeesData	020010 - Disclosure - Shareholder Fees	p, d
OperatingExpensesData	020020 - Disclosure - Annual Fund Operating Expenses	p, c, d
ExpenseExample	020030 - Disclosure - Expense Example {Transposed}	p, d
ExpenseExampleNoRedemption	020040 - Disclosure - Expense Example, No Redemption {Transposed}	p, d
RiskTableData	020045 - Disclosure - Risks Data	p, d
BarChartData	020050 - Disclosure - Annual Total Returns	p, d
PerformanceTableData	020060 - Disclosure - Average Annual Total Returns {Transposed}	p, d
ProspectusOnly	050000 - Document – Prospectus	d
SeriesOnly	050010 - Document – Series	d
RiskOnly	050020 - Document – Risk	d
PerformanceMeasureOnly	050040 - Document - Performance Measure	d

The figure below shows all other roles in OEF, whether used in Risk/Return summaries or Shareholder Reports. Note that in general, the token '- Disclosure -' indicates a role that may be used for presentation, while '- Document -' indicates that a role is used only for definition links.

Figure 5. Roles prefixed http://xbrl.sec.gov/oef/role/

Role ID	Definition Text	Links
NcsrCover	030000 - Disclosure - Form N-CSR Cover	p,d
ShareholderReport	030001 - Disclosure - Shareholder Report	p,d
FundExpenses	030002 - Disclosure - Fund Expenses	p,d
ManagementsDiscussion	030003 - Disclosure - Management's Discussion of Fund Performance	p,d
FundStatistics	030004 - Disclosure - Fund Statistics	p,d
Holdings	030005 - Disclosure - Graphical Representation of Holdings	p,d
MaterialFundChanges	030006 - Disclosure - Material Fund Changes	p,d
Accountants	030007 - Disclosure - Changes in and Disagreements with Accountants	p,d
AvailabilityOfAdditionalInformation	030008 - Disclosure - Availability of Additional Information	p,d
ShareholderReportLineGraphDetails	040010 - Disclosure - Shareholder Report, Line Graph (Details)	p
PerformanceDataByClass	040011 - Document - Line Graph and Table Data, by Class	d
PerformanceDataByBroadBasedIndex	040012 - Document - Line Graph and Table Data, by Broad-Based Index	d

Role ID	Definition Text	Links
PerformanceDataByAdditionalIndex	040013 - Document - Line Graph and Table Data, by Additional Index	d
ShareholderReportAverageAnnual-ReturnDetails	040015 - Document - Average Annual Return (Details)	p
AverageAnnualReturnDataByClass	040016 - Document – Average Annual Return Data, by Class	d
AverageAnnualReturnDataByBroad-BasedIndex	040017 - Document – Average Annual Return Data, by Broad-based Index	d
AverageAnnualReturnDataBy-AdditionalIndex	040018 - Document – Average Annual Return Data, by Additional Index	d
ShareholderReportHoldingsDetails	040020 - Disclosure - Shareholder Report, Holdings (Details)	p
HoldingsByIndustrySector	040021 - Document - Holdings by Industry Sector	d
HoldingsByGeographicRegion	040022 - Document - Holdings by Geographic Region	d
HoldingsByCreditQuality	040023 - Document - Holdings by Credit Quality	d
HoldingsByMaturity	040024 - Document - Holdings by Maturity	d
HoldingsByAssetCategory	040025 - Document - Holdings by Asset Category	d
HoldingsByOtherCategory1	040026 - Document - Holdings by Other Category (1)	d
HoldingsByOtherCategory2	040027 - Document - Holdings by Other Category (2)	d
LargestHoldings	040029 - Disclosure - Largest Holdings	d
ClassOnly	050030 - Document - Class	d
HoldingAssetCategoryOnly	050050 - Document - Holding Asset Category	d
BroadBasedIndexOnly	050051 - Document - Broad Based Indexes	d
AdditionalIndexOnly	050052 - Document - Additional Indexes	d
IndustrySectorOnly	050053 - Document - Industry Sector	d
GeographicRegionOnly	050054 - Document - Geographic Region	d
CreditQualityOnly	050055 - Document - Credit Quality	d
MaturityOnly	050056 - Document - Maturity	d
Other1CategoryOnly	050057 - Document - Other1 Category	d
Other2CategoryOnly	050058 - Document - Other2 Category	d
LargestHoldingOnly	050060 - Document - Largest Holding	d
SalesLoadOnly	050070 - Document - Sales Loads	d
HoldingMeasureOnly	050080 - Document - Holding Measure	d
ValueMeasureOnly	050081 - Document - Value Measure	d
Defaults	050090 - Document - Defaults	d

In subsequent sections of this document, roles will generally be referenced by their definition text.

8   TABLES, AXES, AND MEMBERS

Like all XBRL instances, OEF instances contain facts each defined as a *value* characterized by a set of *dimensions.* The set of dimensions of a fact contain at most one of each *core dimension* (*entity*, *period*, and *concept* among them) and will have zero or more *taxonomy defined dimensions*. The taxonomy defined dimensions are used to define *hypercubes* [DIM]. In this document as in all SEC standard taxonomies a taxonomy-defined dimension is called an *Axis*. Members of an axis may be its *default* member, a *standard* member, or a *custom* member defined by the filer. In addition to indicators such as names and indentations within tables, concept types are color-coded in this document as follows:

Figure 6. Font and Color-Coding Legend

Concept or value type	Color
Concept core dimension and concepts	Green
Other core dimensions and their members	Gray
Fact values	None
Taxonomy-defined dimension (Axis)	Orange
Standard members	Medium Blue
Custom members	Purple
Abstract placeholder concepts not appearing in instances, such as hypercubes, line items, domain defaults, and non-usable domain members.	Light Blue

A hypercube of only a single taxonomy-defined dimension can be visualized as a table as it might be presented in a disclosure as illustrated below:

Figure 7. Example showing presentation of nine facts with a single taxonomy-defined dimension

entity: FAKE period: FY30		Concepts Dimension		
		Management Fees	Distribution and Service Fees	Total Operating Expenses
Class Axis	Class A	0.70 %	0.25 %	1.00 %
	Class B	0.70 %	1.00 %	1.70 %
	Class C	0.70 %	0.00 %	0.70 %

Presentation of the data to a human reader does not change the meaning, and therefore does not change the characterization of each of the nine facts. The figure below shows the same facts, with the concept dimension presented as rows, and the class dimension as columns.

Figure 8. Example showing different presentation of the same nine facts

entity: FAKE period: FY30		Class Axis		
		Class A	Class B	Class C
Concepts Dimension	Management Fees	0.70 %	0.70 %	0.70 %
	Distribution and Service Fees	0.25 %	1.00 %	0.00 %
	Total Operating Expenses	1.00 %	1.70 %	0.70 %

OEF is organized as a set of hypercubes with zero, one, two or more axes; as the previous two figures show, they are usually thought of – and referred to as – *Tables*. Some axes have a set of members fixed by the taxonomy, some are partially populated with standard members that filers can augment with custom members, and others are empty in the taxonomy and are populated only by custom members.

To focus on describing the axes of OEF and their use, this section will present an example of each kind of table of increasing complexity. Subsequent sections will cover the disclosure requirements summarized earlier in Figure 1.

8.1 Zero-axis Tables

Every EDGAR instance document implicitly has a zero-axis table. Concepts such as the EDGAR CIK dei:EntityCentralIndexKey, Investment Company Type dei:EntityInvCompanyType, or that only appear once on a filing cover page, such as its Form type dei:DocumentType or the Company "Conformed" name dei:EntityRegistrantName, are implicitly concepts in a zero-axis table. A zero-axis table contains facts that are characterized only by core dimensions - concept, entity, period, and either unit (for numeric facts) or language (for non-numeric facts). Required Contexts, as defined in EFM 6.5.19, effectively define a zero-axis table for every EDGAR XBRL document. Also, EDGAR instance documents are constrained to have only a single member of the entity dimension represented in a single instance (EFM 6.5.24), and facts are assumed to have language en-US (US English).

8.1.1 Sample facts with zero axes

Facts in an instance may be visualized as one row per fact and one column per core dimension, so in the case of concepts in the zero-axis table, there are only a few columns:

concept	entity	Period	value
dei:DocumentType	cik:0000012345	4/30/2033 - 4/30/2033	N-1A
dei:EntityRegistrantName	cik:0000012345	4/30/2033 - 4/30/2033	Fake Funds Inc.

Or, using XBRL-JSON syntax, as a list of fact objects:

```
[{ "concept" : "dei:DocumentType",
   "period": "2033-04-30/2033-04-30",
   "entity": "cik:0000012345",
   "value": "N-1A" },
 { "concept" : "dei:EntityRegistrantName",
   "period": "2033-04-30/2033-04-30",
   "entity": "cik:0000012345",
   "value": "Fake Funds Inc. " }]
```

Or, in the original XML-based XBRL instance syntax:

```
<context id="c1" >
 <entity>
  <identifier scheme="http://www.sec.gov/CIK">0000012345</identifier>
 </entity>
 <period>
  <startDate>2033-04-30</startDate>
  <endDate>2033-04-30</endDate>
 </period>
</context>
<dei:DocumentType contextRef="c1">N-1A</dei:DocumentType>
<dei:EntityRegistrantName contextRef id="c1">Fake Funds Inc.</dei:EntityRegistrantName>
```

Or, in Inline XBRL using the same syntax for `<context>` c1:

```
<ix:nonNumeric name="dei:DocumentType" contextRef="c1">N-1A</ix:nonNumeric>
<ix:nonNumeric name="dei:EntityRegistrantName" contextRef id="c1" >Fake Funds Inc.</ix:nonNumeric>
```

This document uses the tabular view (usually omitting less relevant columns such as *entity*) when a set of facts is shown as an example, with the understanding that those facts might be serialized in Inline XBRL, xBRL-JSON, etc.

8.2   Single-axis Tables

8.2.1   Shareholder Report, by Class

On a Form N-CSR, each share class will have its own shareholder report. This means that any fact reported in a shareholder report will have several concepts (class name and trading symbol, at a minimum) and needs at least one axis: the Class axis.

As detailed in the Dimensional specification [DIM], definition linkbases have arcs that link concepts of different types to define the table structure. The figure below illustrates these concepts and relationships as they appear in the taxonomy, a tree pattern that is repeated via naming and ordering conventions throughout OEF.   The concepts shaded light blue exist as mere placeholders within the dimensional structure. The "line items" concept is a placeholder for all the concepts, the "report table" is a placeholder for all the axes, and the tree root "Abstract" concept ties the concept dimension to the set of axes.

Figure 9. Definition linkbase relationships in the shareholder report

Concept	Type	Arcs	Target
oef:ShareholderReportAbstract	Abstract		
oef:ShareholderReportTable	Hypercube	all	
oef:ClassAxis	Taxonomy defined Dimension (axis)	hypercube-dimension	ClassOnly
oef:ShareholderReportLineItems	Line Items Abstract	domain-member	
oef:FundName	String	domain-member	
oef:ClassName	String	domain-member	
oef:TradingSymbol	String	domain-member	
…	...	…	…

The fourth column of Figure 9 shows the *target role* [DIM]. This notation continues the arcs to the next level of detail in a different role. In this case, members of the Class Axis are defined in that separate role.

The structure above should be visualized in simplified form as being analogous to figure 2 above, in which the cells remain empty, and the individual members of the class axis are not yet defined:

Figure 10. Visualization of the table defined by linkbase relationships in the shareholder report above

		Class Axis		
		…	…	…
Concepts Dimension	Fund Name			
	Class Name			
	Trading Symbol			
	…			

8.2.1.1 The Class Axis

The Class axis initially contains only the placeholder concept that represents the set of all domain members. In the figure below, three are three custom concepts shaded purple, added to the domain of share classes:

Figure 11. Definition linkbase relationships in the "Class Only" role, with example custom members and arcs

Concept	Custom Label	Type	Arcs
oef:ShareholderReportTable		Hypercube	all
oef:ClassAxis		Taxonomy defined Dimension (Axis)	hypercube-dimension
oef:ShareClassDomain		Domain member	dimension-domain dimension-default
fake:C000123456Member	Class A [Member]	Domain member	domain-member
fake:C001234567Member	Class B [Member]	Domain member	domain-member
fake:C012345678Member	Class C [Member]	Domain member	domain-member

When facts in an OEF instance document are specific to one share class, distinguish the facts with custom members of oef:ClassAxis. EDGAR identifies funds' share classes by a Class ID ("C" followed by nine digits) and custom members should be named correspondingly. For example, class C012345678 would be represented by custom concept C012345678Member[9]. Assign an XBRL label to the member concept that is an appropriate mnemonic for display to an end user, *e.g.*, "Class A", "Class B", and "Class C". When the class ID is unknown at the moment of the EDGAR submission because the class appears for the first time in a registration statement filing or amendment on N-1A, N-1A/A, 485APOS, 485BPOS or 485BXT, use any syntactically legal member ([EFM] 6.7.27) to represent the new class, but the label should still resemble the new class name.

While core dimensions do not have default members, all OEF axes have a default member that represents "none of the other members", which is conventionally visualized as an additional cell alongside the actual members:

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[9] This is just as in RR, in which rr:ProspectusShareClassAxis has members whose names correspond to Class IDs.

		Class Axis			
		Class A	Class B	Class C	(Axis default)
Concepts Dimension	Fund Name				
	Class Name				
	Trading Symbol				
	…				

8.2.1.2   *Sample facts for shareholder report, by class*

The following list of nine facts shows the three concept values for each of three custom members of the axis.

entity	period	concept	class axis	value
cik:0000012345	4/30/2033 - 4/30/2033	oef:FundName	fake:C000123456Member	Fake Fund
cik:0000012345	4/30/2033 - 4/30/2033	oef:ClassName	fake:C000123456Member	Class A
cik:0000012345	4/30/2033 - 4/30/2033	oef:TradingSymbol	fake:C000123456Member	FAKEA
cik:0000012345	4/30/2033 - 4/30/2033	oef:FundName	fake:C001234567Member	Fake Fund
cik:0000012345	4/30/2033 - 4/30/2033	oef:ClassName	fake:C001234567Member	Class B
cik:0000012345	4/30/2033 - 4/30/2033	oef:TradingSymbol	fake:C001234567Member	FAKEB
cik:0000012345	4/30/2033 - 4/30/2033	oef:FundName	fake:C012345678Member	Fake Fund
cik:0000012345	4/30/2033 - 4/30/2033	oef:ClassName	fake:C012345678Member	Class C
cik:0000012345	4/30/2033 - 4/30/2033	oef:TradingSymbol	fake:C012345678Member	FAKEC

This would result in the following example presentation (empty rows and columns omitted):

entity cik:0000012345		Class Axis		
period 4/30/2033 - 4/30/2033		Class A	Class B	Class C
Concepts Dimension	Fund Name	Fake Fund	Fake Fund	Fake Fund
	Class Name	Class A	Class B	Class C
	Trading Symbol	FAKEA	FAKEB	FAKEC

8.2.2   Line Graph Data, by Broad-based Index

Both the Risk/Return Summary and the Shareholder Report require funds to report performance, both actual and by comparison with an appropriate broad-based securities market index, for one, five and ten years, or since the fund's inception if less than ten years.

There are differences between the different disclosure requirements with respect to periods and whether performance is shown with or without sales loads, taxes, and/or distribution fees, as discussed in section 8.5.2.1 below.

OEF has a definition link containing the common list of concepts for these disclosure requirements, called the account value line items:

Figure 12. Definition linkbase relationships for Value Measure

Concept	Type	Arc
oef:AccountValueTableAbstract	Abstract	
oef:AccountValueLineItems	Line Items	domain-member
oef:LineGraphAndTableMeasureName	String	domain-member
oef:AcctVal	Dollars	domain-member

8.2.2.1   *The Broad-based Index Axis*

In the case of the Shareholder Report, the Line Graph must include performance for at least one appropriate Broad-based Securities Market Index ("Broad-based Index"). Since each Shareholder Report represents the performance of a single class, it stands to reason that the same Broad-based Index might appear in several different reports within the same filing.

There are some standard members in the domain available for use. For other indexes, create a custom member representing the selected index and add it as a domain member of the default, as shown below.

Figure 13. Definition linkbase relationships in the "Broad Based Indexes Only" role, with custom member and arc

Concept	Custom Label	Type	Arcs
oef:BroadBasedIndexAxis		Axis	
oef:BroadBasedIndexDomain		Domain	dimension-domain dimension-default
us-gaap:DowJonesIndustrialAverageMember		Member	domain-member
us-gaap:NasdaqCompositeIndexMember		Member	domain-member
us-gaap:StandardPoors500IndexMember		Member	domain-member
fake:XyzIndexMember	XYZ Index [Member]	Member	domain-member

The concept (core) dimension and broad-based index axis are combined in a single for line graph and table:

Concept	Type	Arcs	Target
oef:AccountValueTableAbstract	Abstract		
oef:AccountValueTable	Hypercube	all	
oef:BroadBasedIndexAxis	Axis	hypercube-dimension	Broad Based Index Only
oef:AccountValueLineItems	Line items	domain-member	Value Measure

If these facts were all reported for a single entity and period, the concept core dimension and the axis could be presented much as the shareholder report by class.

		oef:BroadBasedIndexAxis	
		fake:XyzBroadBasedIndexMember	(Axis default)
Concept Dimension	oef:LineGraphAndTableMeasureName		
	oef:AcctVal		

Or

		oef:LineGraphAndTable-MeasureName	oef:AcctVal
oef:BroadBasedIndexAxis	fake:XyzBroadBasedIndexMember		
	(axis default)		

Neither works for this line graph and table, because its facts are normally reported for at least thirteen periods - the instant at the end of each of ten years, and a one-year, five-year, and ten-year period, all ending at the last instant of the last year. Adding the period (core) dimension on the rows, nested inside the Broad-based Index Axis, results in this basic presentation:

				Concept Dimension		
				oef:LineGraph-AndTable-MeasureName	oef:AcctVal	oef:AvgAnnl-RtrPct
oef:Broad-BasedIndex-Axis	fake:XyzBroad-BasedIndexMember	Period Dimension	…			
		Period Dimension	…			
	(axis default)	Period Dimension	…			
		Period Dimension	…			

8.2.2.2 *Sample facts for shareholder report line graph data*

The following list of facts shows the average returns of the index over 1-, 5- and 10-year durations, and the account value of $10,000 (assuming no sales load) invested in the index at the beginning and at the end of each of the last 10 years. The measure name only needs to be provided for the current reporting period.

Figure 14. Example facts in line graph data, by Broad-based index

entity	period	concept	Broad-based index	value
cik:0000012345	1/1/2021 - 12/31/2030	oef:LineGraphAndTable-MeasureName	fake:XyzIndexMember	XYZ Index
cik:0000012345	12/31/2030	oef:AcctVal	fake:XyzIndexMember	14322
cik:0000012345	12/31/2029	oef:AcctVal	fake:XyzIndexMember	13640
cik:0000012345	12/31/2028	oef:AcctVal	fake:XyzIndexMember	12991
cik:0000012345	12/31/2027	oef:AcctVal	fake:XyzIndexMember	12736
cik:0000012345	12/31/2026	oef:AcctVal	fake:XyzIndexMember	12610
cik:0000012345	12/31/2025	oef:AcctVal	fake:XyzIndexMember	11676
cik:0000012345	12/31/2024	oef:AcctVal	fake:XyzIndexMember	11560
cik:0000012345	12/31/2023	oef:AcctVal	fake:XyzIndexMember	10704
cik:0000012345	12/31/2022	oef:AcctVal	fake:XyzIndexMember	10812
cik:0000012345	12/31/2021	oef:AcctVal	fake:XyzIndexMember	10600
cik:0000012345	12/31/2020	oef:AcctVal	fake:XyzIndexMember	10000

This results in the following presentation (rows and columns empty of facts are omitted):

Figure 15. One possible presentation of facts in line graph data, by Broad-based index.

entity cik:0000012345				oef:LineGraph-And-TableMeasureName	oef:AcctVal
oef:BroadBased-IndexDomain	fake:XyzBroad-BasedIndexMember	Period Dimension	1/1/2030 - 12/31/2030		
			1/1/2026 - 12/31/2030		
			1/1/2021 - 12/31/2030	XYZ Index	
			12/31/2030		14,322
			12/31/2029		13,640
			12/31/2028		12,991
			12/31/2027		12,736
			12/31/2026		12,610
			12/31/2025		11,676
			12/31/2024		11,560
			12/31/2023		10,704
			12/31/2022		10,812
			12/31/2021		10,600

Other single-axis tables described below have similar structures, customizations, and data.

8.3   Two-axis Tables

8.3.1   Holdings by Asset Category and Class

The shareholder report requires data on the portfolio holdings of each class as of the end of the reporting period, by reasonably identifiable categories, such as by investment type (*i.e.*, type of security, industry sector, *etc.*) Filers may report by percentage of net asset value, percentage of total investments, or percentage of total exposure. OEF has a single definition link containing the common list of concepts for these disclosure requirements, called the Holding Measure line items:

Figure 16. Definition linkbase relationships in the Holding Measure Only role

Concept	Type	Arc
oef:HoldingsAbstract	Abstract	
oef:HoldingsLineItems	Line items Abstract	domain-member
oef:PctOfNav	Percent	domain-member
oef:PctOfTotalInv	Percent	domain-member
oef:PctOfTotalLongExposure	Percent	domain-member
oef:PctOfTotalShortExposure	Percent	domain-member
oef:PctOfNetLongExposure	Percent	domain-member
oef:PctOfNetShortExposure	Percent	domain-member

OEF offers several different categorization axes to choose from, some based on the example categories in the text of Item 27A, along with two "other" categorizations; see Section 10.6 below for details. One of the most common categorizations is the Investment Type axis, where "Investment Type" is understood to encompass "type of security" as well as any other asset class.

8.3.1.1 The Investment Type Axis

The investment type axis is imported from GRT, and the concept (core) dimension, class, and investment type axes are combined in a single table.

Concept	Type	Arcs	Target
oef:HoldingsAbstract	Abstract		
oef:HoldingsTable	Hypercube	All	
oef:ClassAxis	Axis	hypercube-dimension	Class Only
us-gaap:InvestmentTypeAxis	Axis	hypercube-dimension	Holding Asset Category Only
oef:HoldingsLineItems	Line Items	domain-member	Holding Measure Only

The role "Holding Asset Category Only" begins with over thirty standard members of the investment type axis, as they appear in the us-gaap target role titled "extensible enumeration domain members".

Figure 17. Definition linkbase relationships in the "Broad Based Indexes Only" role

Concept	Type	Arcs	Target
us-gaap:InvestmentTypeAxis	Axis	hypercube-dimension	
us-gaap:InvestmentTypeCategorizationMember	Domain	dimension-domain dimension-default	Extensible Enumeration Lists

A subset of the standard members is shown below. The medium blue color (see Figure 6) indicates that they are not mere structural placeholders, but rather are intended for use in OEF instance contexts.

Filers are free to further refine members of this axis, as in the example of "Rare Earths" as a subcategory of miscellaneous investments, shown below.

Figure 18. Definition linkbase relationships in the "Extensible Enumeration lists" role of us-gaap.

Concept	Custom Label	Type	Arcs
us-gaap:InvestmentTypeCategorizationMember		Domain	dimension-domain dimension-default
us-gaap:SecuritiesInvestmentMember		Member	domain-member
us-gaap:EquitySecuritiesMember		Member	domain-member
…additional members		Member	
us-gaap:FixedIncomeInvestmentsMember		Member	domain-member
…additional members		Member	
us-gaap:MiscellaneousInvestmentsMember		Member	domain-member
fake:RareEarthsMember	Rare Earths [Member]	Member	domain-member
us-gaap:OtherAggregatedInvestmentsMember		Member	domain-member

8.3.1.2 Sample facts for holdings by asset category and share class

Sample facts for holdings in two classes with different allocations to the asset categories Rare Earths, Equities, Fixed Income, and Other is shown below

Figure 19. Example facts in line graph and table data, by Broad-based index

entity	period	concept	class	investment type	value
cik:0000012345	12/31/2030	oef:PctOfNav	fake:C000123456Member	fake:RareEarthsMember	.41
cik:0000012345	12/31/2030	oef:PctOfNav	fake:C000123456Member	us-gaap:EquitySecuritiesMember	.34
cik:0000012345	12/31/2030	oef:PctOfNav	fake:C000123456Member	us-gaap:FixedIncomeInvestments-Member	.21
cik:0000012345	12/31/2030	oef:PctOfNav	fake:C000123456Member	us-gaap:OtherAggregated-InvestmentsMember	.04
cik:0000012345	12/31/2030	oef:PctOfNav	fake:C001234567Member	fake:RareEarthsMember	.08

entity	period	concept	class	investment type	value
cik:0000012345	12/31/2030	oef:PctOfNav	fake:C001234567Member	us-gaap:EquitySecuritiesMember	.40
cik:0000012345	12/31/2030	oef:PctOfNav	fake:C001234567Member	us-gaap:FixedIncomeInvestments-Member	.50
cik:0000012345	12/31/2030	oef:PctOfNav	fake:C001234567Member	us-gaap:OtherAggregated-InvestmentsMember	.02

A possible presentation, omitting empty rows and columns, is shown below. Only a single member of each core dimension is shown; the rest of the layout is determined by the members of the axes.

entity cik:0000012345 period 12/31/2030 concept oef:pctOfNav		oef:ClassAxis	
		fake:C000123456Member	fake:C001234567Member
us-gaap:InvestmentType-Axis	us gaap:EquitySecuritiesMember	34 %	40 %
	us gaap:FixedIncomeInvestments-Member	21 %	50 %
	fake:RareEarthsMember	41 %	8 %
	us gaap:OtherAggregated-Investments-Member	4 %	2 %

8.4   Restrictions on OEF Axes

OEF does not permit the addition of additional axes to existing tables[10].

For example, if a concept such as AvgAnnlRtrPct appears in a table with the axis BroadBasedIndexAxis and no other axes in the same table, then it is neither necessary nor desirable to create more than one AvgAnnlRetrPct fact with the same core dimensions and custom member of BroadBasedIndexAxis but different values. The value of AvgAnnlRetrPct for each Broad-based or Additional Index for any combination of entity and period will thus be the same irrespective of what class it is reported for.

Likewise, if a table only permits values to be distinguished by Class, then it is neither necessary nor possible to specify the Series of that Class, nor is it necessary nor possible to specify the CIK of the series or class. The association between Classes, Series and CIK is available from the EDGAR submission, and it does not need repetition[11].

Within a single submission, it is likely that a single axis will use different members in facts with different Class axis members. For example, Class A might facts where the Investment Type axis has members that are equities; Class B might have Investment Type axis members that are debt, and therefore the common Investment Type axis would have both equity and debt members. This is intentional. Place all the custom members in the shared axis definition linkbase role (those with names ending in "Only"). Although there is unlikely to be a consistent common ordering of investment type members across all classes, ordering of the definition links has no significance. The presentation linkbase can be customized to order the members differently for different classes.

8.4.1   The Document Axis

All Risk/Return submissions are currently required to be in Inline XBRL. Because Inline XBRL permits a fact to be tagged at multiple locations of an HTML document, it is both unnecessary and undesirable to distinguish identical facts using a dimension merely because they are presented in different parts of the same submission.

However, in rare circumstances, such as when different Series are marketed under different names in separate prospectuses, it may be that some small number of facts might need this distinction. Choose one document as primary for the purposes of tagging, omit the document axis from the majority of facts, and distinguish other document-specific facts using the dei:DocumentInformationDocumentAxis and a custom member with a mnemonic name.

Do not use dei:DocumentInformationDocumentAxis for any other reason for any other OEF taxonomy facts.

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[10] In technical terms, all OEF hypercubes are closed [DIM].

[11] This results in a reduction in the variability of OEF filing data relative to the RR taxonomy.

Usually there should be no members of dei:DocumentInformationDocumentAxis at all. For this reason, the remainder of this document shall assume that the axis has its default value.

8.5 Three-dimensional Tables

8.5.1 Risks, by Series

A Risk/Return Summary includes a summary of the principal risks of investing, including the risks to which the fund's portfolio as a whole is subject. Each risk is tagged as a text block fact with members of at least two axes: the Series axis and the Risk axis. A member of the Document axis may appear, but only as described above in section 7.4.

Figure 20. Definition linkbase relationships in Risks Data

Concept	Type	Arcs	Target
oef:RisksAbstract	Abstract		
oef:ProspectusTable	Hypercube	all	
dei:DocumentInformationDocumentAxis	Axis	hypercube-dimension	Prospectus Only
dei:LegalEntityAxis	Axis	hypercube-dimension	Series Only
oef:RiskAxis	Axis	hypercube-dimension	Risk Only
oef:RiskTextBlock	Text Block	domain-member	

8.5.1.1 The Series (Legal Entity) Axis

A single instance may contain different facts about more than one Series, but the facts are not specific to any class within that series. In this case the facts are distinguished by custom members of dei:LegalEntityAxis (its standard label is "Series [Axis]", just as in RR).

Each Series is represented in EDGAR by its Series ID ("S" followed by nine digits) and custom members should be named correspondingly. For example, S012345678 should be represented by custom concept S012345678Member and given a standard label corresponding to the name of the fund. Each is added as a member of dei:EntityDomain.

Figure 21. Definition linkbase relationships in Series Only

Concept	Label	Type	Arcs
oef:ProspectusTable		Hypercube	
dei:LegalEntityAxis		Axis	hypercube-dimension
dei:EntityDomain		Domain	dimension-domain dimension-default
fake:S012345678Member	Fake Fund [Member]	Member	domain-member

8.5.1.2 The Risk Axis

Item 4 of Form N-1A requires funds to describe in the Risk/Return Summary section of the prospectus the principal risks of investing in the Fund, including the risks to which the Fund's portfolio as a whole is subject and the circumstances reasonably likely to affect adversely the Fund's net asset value, yield, and total return. Each principal risk that is disclosed in the Risk/Return Summary section of the prospectus must be distinguished with separate member concepts for each such risk. Certain principal risks are referenced in Item 4 of Form N-1A. Each such principal risk should be a separate standard member concept as listed in the figure below.

Figure 22. Standard Risk in the Risks Only role, as of version OEF 2023

Concept Name	Standard Label
oef:AllRisksMember	All Risks [Member]
oef:RiskNondiversifiedStatusMember	Risk Nondiversified Status [Member]
oef:RiskLoseMoneyMember	Risk Lose Money [Member]
oef:RiskMoneyMarketFundPriceFluctuatesMember	Risk Money Market Fund Price Fluctuates [Member]
oef:RiskMoneyMarketFundMayImposeFeesOrSuspend-SalesMember	Risk Money Market Fund May Impose Fees or Suspend Sales [Member]
oef:RiskMoneyMarketFundMayNotPreserveDollarMember	Risk Money Market Fund May Not Preserve Dollar [Member]
oef:RiskMoneyMarketFundSponsorMayNotProvideSupport-Member	Risk Money Market Fund Sponsor May Not Provide Support [Member]
oef:RiskNotInsuredDepositoryInstitutionMember	Risk Not Insured Depository Institution [Member]
oef:RiskNotInsuredMember	Risk Not Insured [Member]

Filers disclose additional principal risks in the Risk/Return Summary by declaring custom concepts for each such additional risk. As an example, the figure below shows some common principal risks that are not specifically referenced in Item 4 of Form N-1A, but that funds may choose to disclose, and which would also be separately tagged. These custom members are added to the domain oef:AllRisksMember in the Risks Only role.

Figure 23. Custom risks (Sample)

Custom Concept Name	Custom Label
fake:StockMarketVolatilityMember	Stock Market Volatility [Member]
fake:ForeignExposureMember	Foreign Exposure [Member]
fake:IssuerSpecificChangesMember	Issuer-Specific Changes [Member]
fake:GrowthInvestingMember	Growth Investing [Member]
fake:ValueInvestingMember	Value Investing [Member]

The ordering of standard and custom risks as members of oef:AllRisksMember has no impact on the EDGAR Renderer, but filers may customize the corresponding portion of the standard presentation linkbase to order the risks as desired; see section 9.5 below.

8.5.1.3 *Sample facts for risk disclosures, by Series and Risk*

Sample facts for one series with three (abbreviated) risk disclosures are shown below.

Figure 24. Example risk text block facts.

entity	period	concept	series	risk	value
cik:0000012345	4/30/2033 - 4/30/2033	oef:Risk-TextBlock	fake:S012345678-Member	oef:RiskLose-Money-Member	<P>It is important to understand that you can lose money by investing in the fund.</P>
cik:0000012345	4/30/2033 - 4/30/2033	oef:Risk-TextBlock	fake:S012345678-Member	oef:RiskNot-Insured-Member	<P>An investment in the Fund is not a deposit of the bank and is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency.</P>
cik:0000012345	4/30/2033 - 4/30/2033	oef:Risk-TextBlock	fake:S012345678-Member	fake:Foreign-Exposure-Member	<P>The value of international investments traded in foreign currencies may be adversely impacted by fluctuations in exchange rates. International investments, particularly investments in emerging markets, may carry risks associated with potentially less stable economies or governments (such as the risk of seizure by a foreign government, the imposition of currency or other restrictions, or high levels of inflation), and may be or become illiquid.</P>

A possible presentation, omitting empty rows and columns, is shown below.

entity cik:0000012345 period 4/30/2033 concept oef:RiskTextBlock		oef:SeriesAxis
		fake:S012345678Member
oef:Risk-Axis	oef:RiskLose-MoneyMember	It is important to understand that you can lose money by investing in the fund.
	oef:RiskNot-InsuredMember	An investment in the Fund is not a deposit of the bank and is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency.
	fake:Foreign-Exposure-Member	The value of international investments traded in foreign currencies may be adversely impacted by fluctuations in exchange rates. International investments, particularly investments in emerging markets, may carry risks associated with potentially less stable economies or governments (such as the risk of seizure by a foreign government, the imposition of currency or other restrictions, or high levels of inflation), and may be or become illiquid.

8.5.2 Average Annual Returns by Class and performance measure or without load

As noted in 8.2.2.1 above, both the Risk/Return Summary and Shareholder Report require funds to report performance of at least one class in each series for 1-, 5- and 10-years. The criteria differ in two ways.

The Risk/Return summary requires the data to be reported by calendar year and to be reported before taxes, after taxes on distributions, and after taxes on distributions and sales; for this, there is a Performance Measure axis with fixed standard members.

The Shareholder Report requires the data reported by fiscal year with and without sales charges, as applicable; for this, there is a Sales Load axis with fixed standard members.

8.5.2.1 *Performance Measure Axis*

The figure below shows an example of performance data in a Risk/Return Summary for a fund with three classes, one of which is shown with returns after taxes. The example also shows that annual returns for a Broad-based index may be presented along with actual share returns, but its values are independent of the class or taxes.

Figure 25. Sample Performance Data, Original HTML/ASCII

Average Annual Total Returns % (as of 12/31/30)	One Year	Five Years	Ten Years	Since Inception
Return Before Taxes:				
Class B Shares	N/A	N/A	N/A	4.25 (7/1/30)
Class I Shares	4.61	5.11	5.46	
Class A Shares				
Return Before Taxes	-0.30	3.89	4.75	
Return After Taxes on Distributions	-2.01	2.15	2.45	
Return After Taxes on Distributions and Sale of Fund Shares	-0.23	2.27	2.60	
XYZ Index % (Reflects no deduction for fees, expenses or taxes)	4.33	5.06	6.24	

The Average Annual Returns table has three axes, two of which are described earlier.

Figure 26. Definition linkbase relationships in Risk/Return Summary, Average Annual Returns

Concept	Type	Arcs	Target
oef:AverageAnnualReturnAbstract	Abstract		
oef:ProspectusTable	Hypercube	all	
dei:DocumentInformationDocumentAxis	Axis	hypercube-dimension	Prospectus Only
oef:ClassAxis	Axis	hypercube-dimension	Class Only
oef:PerformanceMeasureAxis	Axis	hypercube-dimension	Performance Measure Only
oef:AvgAnnlRtrPct	Percent	domain-member	
oef:PerfInceptionDate	Date	domain-member	

The performance measure axis has a concept with label "Before Taxes" as its default, with two members:

Figure 27. OEF standard performance measures for Risk/Return Summaries in role Performance Measure Only

Concept	Label	Type	Arcs
oef:ProspectusTable		Hypercube	
oef:PerformanceMeasureAxis		Axis	hypercube-dimension
oef:PerformanceMeasureDomain	Before Taxes	Domain	dimension-domain dimension-default
oef:AfterTaxesOnDistributionsMember	After Taxes on Distributions	Member	domain-member
oef:AfterTaxesOnDistributionsAnd-SalesMember	After Taxes on Distributions and Sales	Member	domain-member

The following facts represent the values for the class A "one year" column and the Class B "since inception" column; note that the performance measure axis has no member (it is defaulted) to represent returns before taxes:

Figure 28. Sample facts for one year or less of performance

entity	period	concept	class	performance measure	value
cik:0000012345	1/1/2030 - 12/31/2030	oef:AvgAnnlRtrPct	fake:C000123456		-.0030
cik:0000012345	1/1/2030 - 12/31/2030	oef:AvgAnnlRtrPct	fake:C000123456	oef:AfterTaxesOnDistributionsMember	-.0201
cik:0000012345	1/1/2030 - 12/31/2030	oef:AvgAnnlRtrPct	fake:C000123456	oef:AfterTaxesOnDistributionsAndSales-Member	-.0023
cik:0000012345	7/1/2030 - 12/31/2030	oef:AvgAnnlRtrPct	fake:C001234567		.0314

8.5.2.2 Sales Load Axis

The figure below shows an example of performance data in a Shareholder Report.

Figure 29. Sample Performance Data, Original HTML/ASCII

Average Annual Total Returns	1 Year	5 Years	10 Years
Class A (with sales load)	-16.95%	6.17%	10.35%
Class A (without sales load)	-11.95%	7.19%	10.85%
XYZ Broad-based Index (reflects no deduction for fees, expenses, or taxes)	-16.89%	9.80%	12.41%

Two of its three axes were described earlier; the Sales Load axis is used when the filer chooses to report values without the sales load.

Figure 30. Definition linkbase relationships in Shareholder Report, Line Graph and Table Data, by Class

Concept	Type	Arcs	Target
oef:AverageAnnualReturnAbstract	Abstract		
oef:ProspectusTable	Hypercube	all	
dei:DocumentInformationDocumentAxis	Axis	hypercube-dimension	Prospectus Only
oef:ClassAxis	Axis	hypercube-dimension	Class Only
oef:SalesLoadAxis	Axis	hypercube-dimension	Sales Load Only
oef:AccountValueLineItems	Abstract	domain-member	Value Measure Only

The Sales Load axis has a concept having label "with Sales Load" as its default, with one member, and does not permit additional members:

Figure 31. OEF standard performance measures for Risk/Return Summaries in role Performance Measure Only

Concept	Label	Type	Arcs
oef:ProspectusTable		Hypercube	
oef:SalesLoadAxis		Axis	hypercube-dimension
oef:WithSalesLoadMember	With Sales Load	Domain	dimension-domain dimension-default
oef:WithoutSalesLoadMember	Without Sales Load	Member	domain-member

The following facts represent the values for the class A "one year" column of the example; note that the performance measure axis has no member (it is defaulted) to represent returns before taxes:

Figure 32. Sample facts for one year of performance

entity	period	concept	class	performance measure	value
cik:0000012345	1/1/2030 - 12/31/2030	oef:AvgAnnlRtrPct	fake:C000123456		-.1695
cik:0000012345	1/1/2030 - 12/31/2030	oef:AvgAnnlRtrPct	fake:C000123456	oef:WithoutSalesLoadMember	-.1195

8.6 Summary: Tables, Concepts, Axes and Members

All the tables defined in the OEF definition linkbase are structured as above, having from zero to three axes and the same core dimensions. Moreover, certain of the tables have parallel dimensional structures distinguished only by whether the same set of concepts is dimensioned by class, by broad-based index, by additional index, and so on.

Sections 9 and 9.5 below cover the Risk/Return Summary disclosure requirements and the Shareholder Report disclosure requirements, respectively. Each describes the tables in terms of their axes in the definition linkbase and, where there is flexibility as to how the EDGAR Renderer displays the data, provides technical guidance on how custom members may be added to a custom presentation linkbase to comply with validation requirements.

As noted earlier, this is technical guidance as to how a required disclosure is to be tagged and provides no guidance as to whether any specific disclosure is required by forms N-1A or N-CSR.

9 RISK/RETURN SUMMARY

This section covers tagging of the Risk/Return Summary items of Form N-1A submissions.

9.1 Submission cover and header data

The following concepts must be tagged in the Required Context as defined in EFM 6.5.19. The Required Context for Form N-1A may have a period with an end date as the date of the prospectus, and the beginning and end dates the same, technically meaning a period of one day.

Concept	Type	Target Role
oef:FormN1aAbstract	Abstract	
oef:ProspectusTable	Hypercube	
dei:DocumentInformationDocumentAxis	Axis	Prospectus Only
oef:ProspectusLineItems	Line Items	
dei:DocumentType	String	
dei:AmendmentFlag	Boolean	
dei:EntityRegistrantName	String	
dei:EntityCentralIndexKey	String	
dei:InvCompanyType	String	
dei:DocumentPeriodEndDate	Date	
oef:ProspectusDate	Date	
oef:SupplementToProspectusTextBlock	Text Block	

None of them is a "cover page" fact in the EFM 6.5.45 sense; they may appear in the document ix:hidden section.

The concept oef:SupplementToProspectusTextBlock should be used only on submission type 497 to summarize changed content relative to a previous submission.

9.2 Item 2. Investment Objectives and Goals

The investment objectives and goals require only text block tags, in a table where normally only the Series axis is used.

Figure 33. Definition linkbase relationships for Investment Objectives and Goals

Concept	Type	Target Role
oef:FormN1aAbstract	Abstract	
oef:ProspectusTable	Hypercube	
dei:DocumentInformationDocumentAxis	Axis	Prospectus Only
dei:LegalEntityAxis	Axis	Series Only
oef:RiskReturnHeading	String	
oef:ObjectiveHeading	String	
oef:ObjectivePrimaryTextBlock	Text Block	
oef:ObjectiveSecondaryTextBlock	Text Block	

As noted above, "Heading" concepts are optional in OEF. Each series should have a text block describing its primary objective; use the secondary objective text block as appropriate.

9.3 Item 3. Fee Table (Fees and Expenses of the Fund)

Disclosures in Item 3 usually appear as sections of narrative text that are applicable to the fund (series) as a whole, alternating with tables of data points that may be either applicable to the series, or to individual classes within each series. The original HTML presentation of the data is tagged as a table text block fact, and within those table text blocks, separately as individual (mostly numeric) facts.

The figure below shows the concepts applicable to each series as a whole. A section reference such as "9.3.1" in the Target Role column indicates that the table text block will contain individual numeric, date or string type facts in a separate two- or three-axis table described later. Heading and Caption facts are optional. In some cases, a text block is followed by a sequence of related String or numeric type concepts that are neither Heading, Caption, Label, etc., but rather exist for specific instructions or disclosures that often (though not always) appear within that text block.

Figure 34. Definition linkbase relationships for Fees and Expenses, Text Block Level

Concept	Type	Target Role or Table
oef:FormN1aAbstract	Abstract	
oef:ProspectusTable	Hypercube	
dei:DocumentInformationDocumentAxis	Axis	Prospectus Only
dei:LegalEntityAxis	Axis	Series Only
oef:ExpenseHeading	String	
oef:ExpenseNarrativeTextBlock	Text Block	
oef:ExpenseBreakpointDiscounts	String	
oef:ExpensesOtherExpensesHadExtraordinaryExpensesBeenIncluded	String	
oef:ExpensesRestatedToReflectCurrent	String	
oef:ExpenseBreakpointMinimumInvestmentRequiredAmount	Dollars	
oef:OtherExpensesNewFundBasedOnEstimates	String	
oef:AcquiredFundFeesAndExpensesBasedOnEstimates	String	
oef:ExpensesNotCorrelatedToRatioDueToAcquiredFundFees	String	
oef:ExpensesExplanationOfNonrecurringAccountFee	String	
oef:ShareholderFeesCaption	String	
oef:ShareholderFeesTableTextBlock	Table Text Block	9.3.1
oef:OperatingExpensesCaption	String	
oef:AnnualFundOperatingExpensesTableTextBlock	Table Text Block	9.3.2
oef:ExpenseFootnotesTextBlock	Text Block	
oef:ExpensesDeferredChargesTextBlock	Text Block	
oef:ExpensesRangeOfExchangeFeesTextBlock	Text Block	
oef:ExpenseExampleHeading	String	
oef:ExpenseExampleByYearHeading	String	
oef:ExpenseExampleNarrativeTextBlock	Text Block	
oef:ExpenseExampleByYearCaption	String	
oef:ExpenseExampleWithRedemptionTableTextBlock	Table Text Block	9.3.3
oef:ExpenseExampleNoRedemptionNarrativeTextBlock	Text Block	
oef:ExpenseExampleNoRedemptionByYearCaption	String	
oef:ExpenseExampleNoRedemptionTableTextBlock	Table Text Block	0
oef:ExpenseExampleFootnotesTextBlock	Text Block	
oef:ExpenseExampleClosingTextBlock	Text Block	
oef:PortfolioTurnoverHeading	String	
oef:PortfolioTurnoverTextBlock	Text Block	
oef:PortfolioTurnoverRate	Percent	

For example, the Form may appear with an introductory narrative, two tables, and some footnotes, yielding four separate text block facts; numeric and string facts are shaded:

Figure 35. Original appearance of Shareholder Fee text blocks and numeric facts

---

Fees and expenses
The following tables describe the fees and expenses you may pay if you buy, hold and sell shares of the fund. You may pay other fees, such as brokerage commissions and other fees to financial intermediaries, which are not reflected in the tables and examples below.

Shareholder fees *(fees paid directly from your investment)*

Share class	Maximum sales charge (load) imposed on purchases (as a percentage of offering price)	Maximum deferred sales charge (load) (as a percentage of original purchase price or redemption proceeds, whichever is lower)
Class A	5.75%	1.00%*
Class B	0.00%	5.00%**

Annual fund operating expenses
(expenses you pay each year as a percentage of the value of your investment)

Share class	Management fees†	Distribution and service (12b-1) fees ††	Total annual fund operating expenses
Class A	0.70%	0.25%	0.95%
Class B	0.70%	1.00%	1.70%

---

　　* Applies only to certain redemptions of shares bought with no initial sales charge.
　** This charge is phased out over six years.
　† Management fees are subject to a performance adjustment. The fund's base management fee is subject to adjustment, up or down, based on the fund's performance relative to the performance of the ZYXW Index.
†† Restated to reflect current fees.

The four text blocks appear in the same context with a series member on the Series Axis (named "s" below).

The facts inside the table text blocks will be in contexts with different class members on the Class Axis (named a" and "b" below), as detailed in sections 9.3.1 and 9.3.2 below. In Figure 36 the ellipses (…) indicate omission of the attributes and values scale="-2", decimals="INF", and unitRef="Rate" on the numeric facts.

One of the footnotes addresses a specific requirement in Form N-1A Item 3 instruction 3 (d) (iii) (B), and the sentence is marked in Figure 36 as a fact with the matching non-numeric concept oef:ExpensesRestatedToReflectCurrent.

Figure 36. Inline XBRL tagging of Shareholder Fee text blocks, string and numeric facts

```
<ix:nonNumeric contextRef="s" escape="true" name="oef:ExpenseNarrativeTextBlock">
<p>Fees and expenses</p>
<p>The following tables describe the fees and expenses you may pay if you buy, hold and sell shares of the fund.
You may pay other fees, such as brokerage commissions and other fees to financial intermediaries, which are not
reflected in the tables and examples below.</p>
<p>Shareholder Fees <span>(fees paid directly from your investment)</span></p></ix:nonNumeric>

<ix:nonNumeric contextRef="s" escape="true" name="oef:ShareholderFeesTableTextBlock">
<table><tr>
<td><b>Share class</b></td>
<td><b>Maximum sales charge (load) imposed on purchases (as a percentage of offering price)</b></td>
<td><b>Maximum deferred sales charge (load) (as a percentage of original purchase price or redemption proceeds, whichever is lower)</b></td>
</tr><tr>
<td>Class A</td>
<td><ix:nonFraction contextRef="a" name="oef:ManagementFeesOverAssets" ...>5.75</ix:nonFraction>%* </td>
<td><ix:nonFraction contextRef="a" name="oef:MaximumDeferredSalesChargeOverOther" ...>1.00</ix:nonFraction>%** </td>
</tr><tr>
<td>Class B</td>
<td><ix:nonFraction contextRef="b" name="oef:ManagementFeesOverAssets" ...>0.00</ix:nonFraction></td>
<td><ix:nonFraction contextRef="b" name="oef:MaximumDeferredSalesChargeOverOther" ...>5.00</ix:nonFraction></td>
</tr></table></ix:nonNumeric>
```

```
<ix:nonNumeric contextRef="s" escape="true" name="oef:AnnualFundOperatingExpensesTableTextBlock">
<table><tr>
<td><b>Share class</b></td>
<td><b>Management fees &#x2020;</b></td>
<td><b>Distribution and service (12b-1) fees</b></td>
<td><b>Total annual fund operating expenses</b></td>
</tr><tr>
<td>Class A</td>
<td><ix:nonFraction contextRef="a" name="oef:ManagementFeesOverAssets" ...>0.70</ix:nonFraction>% </td>
<td><ix:nonFraction contextRef="a" name="oef:MaximumDeferredSalesChargeOverOther" ...>0.25</ix:nonFraction>% </td>
<td><ix:nonFraction contextRef="a" name="oef:NetExpensesOverAssets" ...>.95</ix:nonFraction>% </td>
</tr><tr>
<td>Class B</td>
<td><ix:nonFraction contextRef="b" name="oef:ManagementFeesOverAssets" ...>0.70 </ix:nonFraction>% </td>
<td><ix:nonFraction contextRef="b" name="oef:MaximumDeferredSalesChargeOverOther" ...>1.00</ix:nonFraction>% </td>
<td><ix:nonFraction contextRef="b" name="oef:NetExpensesOverAssets" ...>1.70</ix:nonFraction>% </td>
</tr></table></ix:nonNumeric>


<ix:nonNumeric contextRef="s" escape="true" name="oef:ExpenseFootnotesTextBlock"><table>
<tr><td>* </td><td>Applies only to certain redemptions of shares bought with no initial sales charge.</td></tr>
<tr><td>** </td><td> This charge is phased out over six years.</td></tr>
<tr><td>&#x2020; </td><td>Management fees are subject to a performance adjustment. The fund's base management fee is subject to
adjustment, up or down, based on the fund's performance relative to the performance of the ZYXW Index.</td></tr>
<tr><td>&#x2020;&#x2020; </td><td><ix:nonNumeric contextRef="s" name="oef:ExpensesRestatedToReflectCurrent" >Restated to reflect current
fees.</ix:nonNumeric></td></tr>
</table></ix:nonNumeric>
```

9.3.1   Shareholder Fees Data

Instruction 2 of Form N-1A Item 3 details the required shareholder fee disclosures. These will vary according to whether sales charges are a percentage of the offering price or some other amount, whether there is a maximum sales charge, whether exchange fees are a percentage of redemption or a fixed dollar amount, and so on. As noted in section 6.1 above, the word "Over" in a concept name indicates that the concept is describing the value as a numerator "over" a denominator.

Figure 37. Definition linkbase relationships for Shareholder Fees data

Concept	Type	Target Role
oef:FormN1aAbstract	Abstract	
oef:ProspectusTable	Hypercube	
dei:DocumentInformationDocumentAxis	Axis	Prospectus Only
dei:LegalEntityAxis	Axis	Series Only
oef:ClassAxis	Axis	Class Only
oef:ShareholderFeesColumnName	String	
oef:MaximumCumulativeSalesChargeOverOfferingPrice	Percent †	
oef:MaximumCumulativeSalesChargeOverOther	Percent †	
oef:MaximumSalesChargeImposedOnPurchasesOver-OfferingPrice	Percent †	
oef:MaximumDeferredSalesChargeOverOfferingPrice	Percent †	
oef:MaximumDeferredSalesChargeOverOther	Percent †	
oef:MaximumSalesChargeOnReinvestedDividendsAnd-DistributionsOverOther	Percent †	
oef:RedemptionFeeOverRedemption	Percent ††	
oef:RedemptionFee	Dollars ††	
oef:ExchangeFeeOverRedemption	Percent †	
oef:ExchangeFee	Dollars †	
oef:MaximumAccountFeeOverAssets	Percent †	
oef:MaximumAccountFee	Dollars †	
oef:ShareholderFeeOther	Percent †	

† Restricted to zero or positive values.   †† Restricted to zero or negative values.

Because both the Series axis and Class axis are available for use in this table, each fact in the table may have members on either axis. If the fact is stated for all classes of a series, only a member of the series axis is needed. Otherwise, use the class axis without the series axis. Using both (as was required in RR) for a fact is *not* an error, but data users are likely to ignore the series value entirely, since it is not required, and is implied by the class.

Continuing the example from Figure 36, the four facts in the shareholder fees are shown below.

Figure 38. Example facts from shareholder fees data

entity	period	concept	class	value
cik:0000012345	4/30/2033 - 4/30/2033	oef:ManagementFeesOverAssets	fake:C000123456Member	.0575
cik:0000012345	4/30/2033 - 4/30/2033	oef:MaximumDeferredSalesChargeOverOther	fake:C000123456Member	.0100
cik:0000012345	4/30/2033 - 4/30/2033	oef:ManagementFeesOverAssets	fake:C001234567Member	.0000
cik:0000012345	4/30/2033 - 4/30/2033	oef:MaximumDeferredSalesChargeOverOther	fake:C001234567Member	.0500

The management fees are simply a percentage of assets (the numerator is over "Assets"). The deferred sales charge may vary (the numerator is over "Other"). Users of the data can use the additional information in the table text block and its footnote text block fact to fully interpret the numeric value.

9.3.2   Annual Fund Operating Expenses

Operating expenses are detailed in Instruction 3 of Form N-1A Item 3 and as shown in the figure below, are structured similarly to the shareholder fees.

Figure 39. Definition linkbase relationships for Annual Fund Operating Expenses

Concept	Type	Target Role
oef:FormN1aAbstract	Abstract	
oef:ProspectusTable	Hypercube	
dei:DocumentInformationDocumentAxis	Axis	Prospectus Only
dei:LegalEntityAxis	Axis	Series Only
oef:ClassAxis	Axis	Class Only
oef:OperatingExpensesColumnName	String	
oef:ManagementFeesOverAssets	Percent †	
oef:DistributionAndService12b1FeesOverAssets	Percent †	
oef:DistributionOrSimilarNon12b1FeesOverAssets	Percent †	
oef:Component1OtherExpensesOverAssets *	Percent †	
oef:Component2OtherExpensesOverAssets *	Percent †	
oef:Component3OtherExpensesOverAssets *	Percent †	
oef:OtherExpensesOverAssets	Percent †	
oef:AcquiredFundFeesAndExpensesOverAssets	Percent †	
oef:ExpensesOverAssets	Percent †	
oef:FeeWaiverOrReimbursementOverAssets	Percent	
oef:NetExpensesOverAssets	Percent †	
oef:FeeWaiverOrReimbursementOverAssetsDateOfTermination	String	

† Restricted to zero or positive values.

One difference is that the operating expenses provide three additional concepts (*'d in Figure 39 above) that the filer may use to disaggregate "Other Expenses". Cases (i) and (ii) of Instruction 3 paragraph c of Form N-1A Item 3 describe the permitted composition of oef:OtherExpensesOverAssets. Case (iii) permits the amount to be further disaggregated into up to three components. Do not create custom concepts. Use a custom label (see EFM section 6.11 for technical details on overriding the standard label of these three concepts) to indicate the nature of the other expense.

For example, if Figure 36 had other expenses disaggregated into two components, resulting in three additional columns:

Share class	Management fees†	Distribution and service (12b-1) fees	Shareholder Servicing Fees	Interest Expense on Borrowings	Other Expenses	Total annual fund operating expenses
Class A	0.70%	0.25%	0.05%	1.00%	1.05%	2.00%

| Class B | 0.70% | 1.00% | 0.05% | 1.00% | 1.05% | 2.75% |

Then there would be two custom labels:

Standard Concept	Example Custom Label
oef:Component1OtherExpensesOverAssets	Shareholder Servicing Fees
oef:Component2OtherExpensesOverAssets	Interest expense on borrowings

The two members of the Class axis result in six additional facts - two each of oef:OtherExpensesOverAssets (0.0005), two of oef:Component1OtherExpensesOverAssets (0.01), and two of oef:Component2OtherExpensesOverAssets (0.0105).

9.3.3   Expense Example

The Example required by Instruction 4 (f) of Item 3 is disclosed for each class of a multiple class fund, so normally, the concepts in the figure below will be reported with only a member of the Class Axis and would appear within the corresponding concept oef:ExpenseExampleWithRedemptionTableTextBlock.

Figure 40. Definition linkbase relationships for Expense Example (with Redemption) data

Concept	Type	Target Role
oef:ExpenseExampleAbstract	Abstract	
oef:ProspectusTable	Hypercube	
dei:DocumentInformationDocumentAxis	Axis	Prospectus Only
dei:LegalEntityAxis	Axis	Series Only
oef:ClassAxis	Axis	Class Only
oef:ExpenseExampleByYearColumnName	String	
oef:ExpenseExampleYear01	Dollars †	
oef:ExpenseExampleYear03	Dollars †	
oef:ExpenseExampleYear05	Dollars †	
oef:ExpenseExampleYear10	Dollars †	

† Restricted to zero or positive values.

9.3.4   Expense Example, No Redemption

Instruction 4 (f) of Item 3 of Form N-1A requires an additional table only if a sales load is charged upon redemption. When it appears, the numeric facts below are tagged within ExpenseExampleNoRedemptionTableTextBlock.

Figure 41. Definition linkbase relationships for Expense Example (No Redemption) data

Concept	Type	Target Role
oef:ExpenseExampleNoRedemptionAbstract	Abstract	
oef:ProspectusTable	Hypercube	
dei:DocumentInformationDocumentAxis	Axis	Prospectus Only
dei:LegalEntityAxis	Axis	Series Only
oef:ClassAxis	Axis	Class Only
oef:ExpenseExampleNoRedemptionByYearColumnName	String	
oef:ExpenseExampleNoRedemptionYear01	Dollars †	
oef:ExpenseExampleNoRedemptionYear03	Dollars †	
oef:ExpenseExampleNoRedemptionYear05	Dollars †	
oef:ExpenseExampleNoRedemptionYear10	Dollars †	

† Restricted to zero or positive values.

9.3.5   Portfolio Turnover

Instruction 5 of Item 3 requires a narrative describing portfolio turnover and the rate for the reporting period; this does not require a table text block or additional axis, as the two concepts are reported for the series as a whole and are the last two rows of Figure 34.

9.4   Item 4. Investments, Risks, and Performance Management

Each of four sections in Item 4 is a separate table of text blocks: Principal Investment Strategies of the Fund, Principal Risks of Investing in the Fund, along with the Risk/Return Bar Chart and Average Annual Total Returns comprising the Performance Management disclosure.

9.4.1   Item 4(a). Principal Investment Strategies of the Fund

Each series will have a separate Strategy Narrative text block fact. There is no table text block fact enclosing the individual strategy text blocks.

Figure 42. Definition linkbase relationships for Investment Strategy, Text Block level

Concept	Type	Target Role or Table
oef:FormN1aAbstract	Abstract	
oef:ProspectusTable	Hypercube	
dei:DocumentInformationDocumentAxis	Axis	Prospectus Only
dei:LegalEntityAxis	Axis	Series Only
oef:StrategyHeading	String	
oef:StrategyNarrativeTextBlock	Text Block	
oef:StrategyPortfolioConcentration	String	

9.4.2   Item 4 (b) (1). Narrative Risk Disclosure

See section 8.5.1 above covering Risks, by Series.

There is no table text block fact enclosing all the individual risk text blocks for a series.

9.4.3   Item 4 (b) (2). Risk/Return Bar Chart and Table

The bar chart and table are preceded by narrative that explains to the investor how the information illustrates the variability of returns and other matters. The bar chart itself is presented as a graphic within a table text block along with possible footnotes.

Figure 43. Definition linkbase relationships for Bar Chart and Table, Text Block Level

Concept	Type	Target Role or Table
oef:FormN1aAbstract	Abstract	
oef:ProspectusTable	Hypercube	
dei:DocumentInformationDocumentAxis	Axis	Prospectus Only
dei:LegalEntityAxis	Axis	Series Only
oef:ClassAxis	Axis	Class Only
oef:BarChartAndPerformanceTableHeading	String	
oef:PerformanceNarrativeTextBlock	Text Block	
oef:PerformancePastDoesNotIndicateFuture	String	
oef:PerformanceInformationIllustratesVariabilityOfReturns	String	
oef:PerformanceOneYearOrLess	String	
oef:PerformanceAdditionalMarketIndex	String	
oef:BarChartNarrativeTextBlock	Text Block	
oef:BarChartDoesNotReflectSalesLoads	String	
oef:BarChartReturnsForClassNotOfferedInProspectus	String	
oef:BarChartReasonSelectedClassDifferentFromImmediately- PrecedingPeriod	String	

Concept	Type	Target Role or Table
oef:BarChartHeading	String	
oef:AnnualReturnCaption	String	
oef:BarChartTableTextBlock	Table Text Block [12]	
oef:BarChartFootnotesTextBlock	Text Block	
oef:BarChartClosingTextBlock	Text Block	
oef:YearToDateReturnLabel	String	
oef:BarChartYearToDateReturn	Percent	
oef:BarChartYearToDateReturnDate	Date	
oef:HighestQuarterlyReturnLabel	String	
oef:BarChartHighestQuarterlyReturn	Percent	
oef:BarChartHighestQuarterlyReturnDate	Date	
oef:LowestQuarterlyReturnLabel	String	
oef:BarChartLowestQuarterlyReturn	Percent	
oef:BarChartLowestQuarterlyReturnDate	Date	
oef:YearToDateReturnLabel	String	

For example, the figure below shows a sample of the original appearance of the performance section bar chart and table. Gray shading indicates additional string (non-text block) tagging.

The closing text block for the bar chart section contains six or more tagged numeric and date type facts, but is not itself a table text block, since it contains no repeating concepts; it is merely displayed as a table per the instructions of the form.

Figure 44. Original appearance of an example Bar Chart and Table
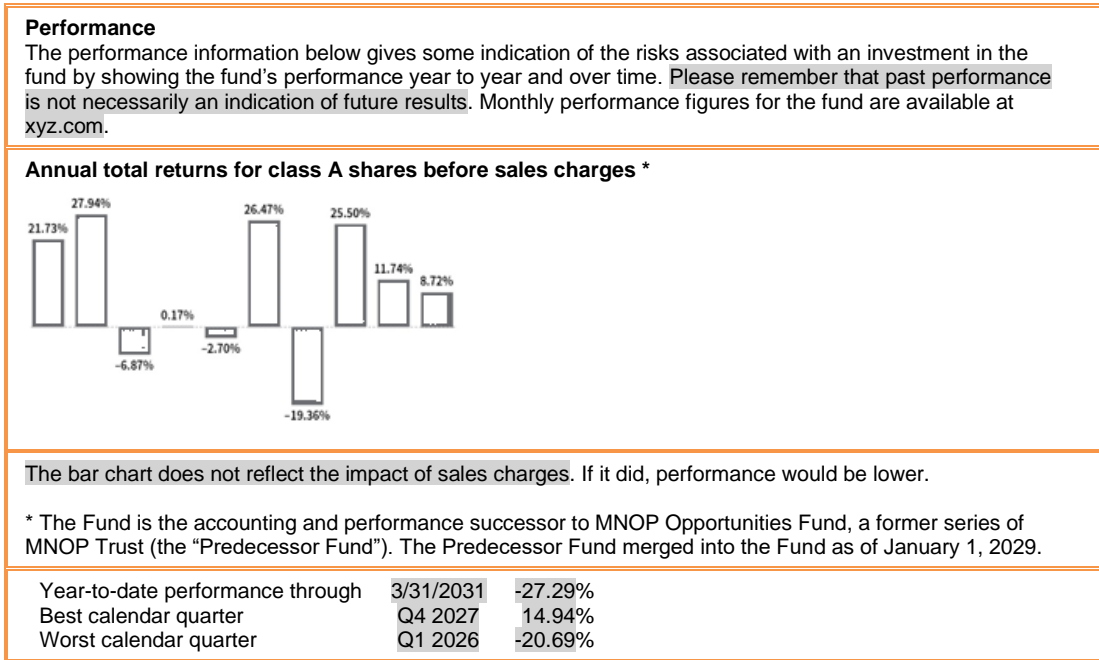
The four text blocks of Figure 44 appear in the same context with a series member on the Series Axis (named "s" below). When relevant to a specific class, facts inside the table text blocks will be in contexts with class member representing class "A" on the Class Axis, as detailed in sections 9.3.1 and 9.3.2 above.

---

[12] Embedding commands in a text block that instruct the EDGAR Renderer to generate a standard bar chart graphic (EFM 6.26) are optional, in contrast to RR.

In Figure 45 the ellipses (…) indicate omission of the attributes and values scale="-2", decimals="INF", and unitRef="Rate" and contexts named "a20xx" meant to suggest a context for calendar year 20xx for Member A of the Class Axis[13].

Figure 45. Sample Inline XBRL tagging of a Bar Chart

```
<ix:nonNumeric contextRef="s" escape="true" name="oef:PerformanceNarrativeTextBlock">
<p><b>Performance<b></p>
<p> The performance information below gives some indication of the risks associated with an investment in the fund by showing the fund's
performance year to year and over time.
<ix:nonNumeric contextRef="s" name="oef:PerformancePastDoesNotIndicateFuture">Please remember that past performance is not necessarily an
indication of future results.</ix:nonNumeric>
Monthly performance figures for the fund are available at <ix:nonNumeric contextRef="s"
name="oef:PerformanceAvailabilityWebSiteAddress">xyz.com</ix:nonNumeric>.</p></ix:nonNumeric>

<ix:nonNumeric contextRef="s" escape="true" name="oef:BarChartTableTextBlock">
<p><b>Annual total returns for class A shares before sales charges <sup>*</sup></b></p>
<p><img summary="Annual Returns" href="annual_returns.jpg"/></p></ix:nonNumeric>

<ix:nonNumeric contextRef="s" escape="true" name="oef:BarChartFootnotesTextBlock">
<p><ix:nonNumeric contextRef="s" name="oef:BarChartDoesNotReflectSalesLoads">The bar chart does not reflect the impact of sales
charges.</ix:nonNumeric> If it did, performance would be lower.</p>
<p><sup>*</sup> The Fund is the accounting and performance successor to MNOP Opportunities Fund, a former series of MNOP Trust (the
&#x201C;Predecessor Fund&#x201D;). The Predecessor Fund merged into the Fund as of January 1, 2029.</p></ix:nonNumeric>

<ix:nonNumeric contextRef="s" escape="true" name="oef:BarChartClosingTextBlock">
<table><tr><td>Year-to-date performance through</td>
<td><ix:nonFraction name="oef:BarChartYearToDateReturnDate" contextRef="a"
format="ixt:datemonthdayyearen">6/30/2031</ix:nonFraction></td>
<td><ix:nonFraction name="oef:BarChartYearToDateReturn" contextRef="a" ...>-27.29</ix:nonFraction></td></tr>
<tr><td><td>Best calendar quarter</td>
<td><ix:nonNumeric contextRef="s" name="oef:BarChartHighestQuarterlyReturnDate" format="ixt-sec:datequarterend">Q4 2027</td>
<td><ix:nonFraction name="oef:BarChartHighestQuarterlyReturn" contextRef="a" ...>14.94</ix:nonFraction></td></tr>
<tr><td><td>Worst calendar quarter</td>
<td><ix:nonNumeric contextRef="s" name="oef:BarChartLowestQuarterlyReturnDate" format="ixt-sec:datequarterend">Q1 2026</td>
<td><ix:nonFraction name="oef:BarChartHighestQuarterlyReturn" contextRef="a" ...>14.94</ix:nonFraction></td></tr></table></ix:nonNumeric>

<ix:hidden>
<ix:nonFraction name="oef:AnnlRtrPct" contextRef="a2022" ...>21.73</ix:nonFraction>
<ix:nonFraction name="oef:AnnlRtrPct" contextRef="a2023" ...>27.94</ix:nonFraction>
<ix:nonFraction name="oef:AnnlRtrPct" contextRef="a2024" ...>-6.87</ix:nonFraction>
<ix:nonFraction name="oef:AnnlRtrPct" contextRef="a2025" ...>0.17</ix:nonFraction>
<ix:nonFraction name="oef:AnnlRtrPct" contextRef="a2026" ...>-2.70</ix:nonFraction>
<ix:nonFraction name="oef:AnnlRtrPct" contextRef="a2027" ...>26.47</ix:nonFraction>
<ix:nonFraction name="oef:AnnlRtrPct" contextRef="a2028" ...>-19.36</ix:nonFraction>
<ix:nonFraction name="oef:AnnlRtrPct" contextRef="a2029" ...>25.50</ix:nonFraction>
<ix:nonFraction name="oef:AnnlRtrPct" contextRef="a2030" ...>11.74</ix:nonFraction>
<ix:nonFraction name="oef:AnnlRtrPct" contextRef="a2031" ...>8.72</ix:nonFraction>
</ix:hidden>
```

In the Closing text block, the characterization of quarters as the "best" or "worst" quarter within the last 10 years is always relative to the date of the prospectus. Therefore, those facts are in contexts for Class A as of the prospectus period (the period of the Required Context), not the best or worst quarter dates themselves.

Figure 45 also illustrates format ixt-sec:datequarterend described in EFM section 5.2.5.12 which converts an HTML displayed string such as "Q3 2027" into 2027-09-30. Use of this format makes it unnecessary to place these date facts in ix:hidden.

---

[13] RR had distinct annual concepts AnnualReturn2022, AnnualReturn2023, etc. for the bar chart. In OEF, these data points are represented by oef:AnnlRtrPct facts, each in a context representing a calendar year. In the presence of an appropriately formatted embedding command EDGAR Renderer still generates a bar chart from either tagging convention.

Values of concept oef:AnnlRtrPct may appear in ix:hidden if the filer does not wish to display a table of values along with the bar chart graphic.

9.4.4   Item 4 (b) (3). Average Annual Total Returns

The table for average annual total returns, by class and performance measure (with or without taxes), was partially covered in section 8.5.2 above. The individual numeric data points for each class should appear within oef:PerformanceTableTextBlock as indicated in the figure below.

Figure 46. Definition linkbase relationships for Average Annual Returns, Text Block Level

Concept	Type	Target Role or Table
oef:FormN1aAbstract	Abstract	
oef:ProspectusTable	Hypercube	
dei:DocumentInformationDocumentAxis	Axis	Prospectus Only
dei:LegalEntityAxis	Axis	Series Only
oef:ClassAxis	Axis	Class Only
oef:PerformanceTableHeading	String	
oef:PerformanceTableNarrativeTextBlock	Text Block	
oef:PerformanceTableDoesReflectSalesLoads	String	
oef:PerformanceTableMarketIndexChanged	String	
oef:PerformanceTableUsesHighestFederalRate	String	
oef:PerformanceTableNotRelevantToTaxDeferred	String	
oef:PerformanceTableExplanationAfterTaxHigher	String	
oef:PerformanceTableTextBlock	Table Text Block	8.5.2
oef:AverageAnnualReturnCaption	String	
oef:AverageAnnualReturnColumnName	String	
oef:MarketIndexPerformanceTableTextBlock	Table Text Block	8.5.2
oef:PerformanceTableFootnotesTextBlock	Text Block	
oef:PerformanceTableFootnotesReasonPerformance-InformationForClassDifferentFromImmediatelyPrecedingPeriod	String	
oef:PerformanceTableOneClassOfAfterTaxShown	String	
oef:IndexNoDeductionForFeesExpensesTaxes	String	
oef:PerformanceTableClosingTextBlock	Text Block	
oef:MoneyMarketSevenDayYieldCaption	String	
oef:MoneyMarketSevenDayYieldColumnName	String	
oef:MoneyMarketSevenDayYieldPhone	String	
oef:MoneyMarketSevenDayYield	Percent	
oef:MoneyMarketSevenDayTaxEquivalentYield	Percent	
oef:ThirtyDayYieldCaption	String	
oef:ThirtyDayYieldColumnName	String	
oef:ThirtyDayYieldPhone	String	
oef:ThirtyDayYield	Percent	
oef:ThirtyDayTaxEquivalentYield	Percent	
oef:PerformanceAvailabilityWebSiteAddress	String	
oef:PerformanceAvailabilityPhone	String	

The average annual total returns must include a comparison with returns over the same periods of a Broad-based securities market index; filers may also include additional indexes.

The additional indexes are represented as custom members of the Performance Measure Axis shown in Figure 27 above. For example, to represent the performance figures for the XYZ Index in Figure 25, define a custom concept fake:XyzIndexMember with label "XYZ Index" and add it as a member of oef:PerformanceMeasureDomain in the definition linkbase. Represent the three facts shown in Figure 25 without any member on the Class Axis, as shown below, since the index performance is not dependent on the class:

Figure 47. Sample performance data facts for XYZ Index

entity	period	concept	class	performance measure	value
cik:0000012345	1/1/2030 - 12/31/2030	oef:AvgAnnlRtrPct		fake:XyzIndexMember	.0433
cik:0000012345	1/1/2030 - 12/31/2030	oef:AvgAnnlRtrPct		fake:XyzIndexMember	.0506
cik:0000012345	1/1/2030 - 12/31/2030	oef:AvgAnnlRtrPct		fake:XyzIndexMember	.0624

The numeric data points for the broad measure and additional index may appear inside of either oef:PerformanceTableTextBlock or oef:MarketIndexPerformanceTableTextBlock at the filer's option.

9.5 Risk/Return Summary Presentation Links

Presentation relationships and labels for all the standard concepts used in the Risk/Return Summary are embedded within (and thus automatically imported) entry point oef-rr (section 5 above). Except for the labels for the components of Other Expenses (9.3.2 above) and the members of the Risk Axis, these are not customizable[14].

When custom members are added as members of an axis in the definition linkbase, be it custom members of the series, class, or performance measure domains, those custom members must appear as descendants of the corresponding axis in the presentation linkbase so as be processed by the EDGAR renderer and satisfy EFM section 6.12.3.

In practice, this means that wherever the axis appears in the standard presentation linkbase, custom members must be added. For example, each series in a Risk/Return summary has a custom concept (see 8.5.1.1 above) and because there will be facts for concept oef:StrategyNarrativeTextBlock for each series, those series members must be added to the presentation link role "Investment Strategy" as shown in the example below with two series members.

Figure 48. Presentation relationships in role "Investment Strategy", with example custom members and arcs

Concept	Type	Arcs
oef:FormN1aAbstract	Abstract	
oef:ProspectusTable	Hypercube	parent-child
dei:DocumentInformationDocumentAxis	Axis	parent-child
dei:DocumentDomain	Domain	parent-child
dei:LegalEntityAxis	Axis	parent-child
dei:EntityDomain	Domain	parent-child
fake:S0001314612	Member	parent-child
fake:S0001314613	Member	parent-child
oef:ProspectusLineItems	Abstract	parent-child
oef:StrategyHeading	String	parent-child
oef:StrategyNarrativeTextBlock	Text Block	parent-child

Those same two series members would be added to the each of the other nine presentation groups where dei:LegalEntityAxis appears and there are concepts with facts to be rendered.

Filers are generally free to order the members as they wish as descendants of the Axis concept, and within limits, adjust the built-in ordering of standard members of the Risk axis.

Conventionally, the custom members are presentation children of the axis, and appear after the default member. For details on the implication of other arrangements, see EFM 6.24.7.

10 SHAREHOLDER REPORT

This section describes Inline XBRL tagging of the annual (N-CSR) and semi-annual (N-CSRS) shareholder reports.

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[14] Customization of the presentation and label linkbases was necessary in non-Inline XBRL submissions to comply with the requirements of EFM 6.13.2. The role of the EDGAR Renderer for OEF submissions is diminished relative to RR.

10.1 Submission cover and header data

The following concepts are in a zero-axis table (see 8.1 above) and their facts are in the Required Context as defined in EFM 6.5.19. The Required Context for Form N-CSR will have a period corresponding to the reporting period: six months for submission type N-CSRS and twelve months for submission type N-CSR.

Figure 49. Definition linkbase relationships in the "Form N-CSR Cover" role

Concept	Type	Target Role or Table
dei:CoverAbstract	Abstract	
oef:ShareholderReportTable	Hypercube	
oef:ShareholderReportLineItems	Line Items	
dei:DocumentType	String	
dei:AmendmentFlag	Boolean	
dei:AmendmentDescription	String	
dei:EntityRegistrantName	String	
dei:EntityCentralIndexKey	String	
dei:EntityInvCompanyType	String	
dei:DocumentPeriodEndDate	Date	

None of these concepts represent a "cover page" fact in the EFM 6.5.45 sense; they may appear in the document ix:hidden section.

10.2 Item 27A (b). Cover Page or Beginning of Annual or Semi-Annual Shareholder Report

The first three of several concepts on the Shareholder Report were shown in the single-axis table that was described in section 8.2.1 above.   Form N-CSR submissions have a separate shareholder report for each class, and therefore the single axis is the Class Axis.

Figure 50. Definition linkbase relationships for the Cover Page or Beginning of Shareholder Report

Concept	Type	Target Role or Table
oef:ShareholderReportAbstract	Abstract	
oef:ShareholderReportTable	Hypercube	
oef:ClassAxis	Axis	Class Only
oef:ShareholderReportLineItems	Line Items	
oef:FundName	String	
oef:ClassName	String	
dei:NoTradingSymbolFlag	Boolean	
dei:TradingSymbol	String †	
dei:SecurityExchangeName	String †	
oef:AnnlOrSemiAnnlStatementTextBlock	Text Block	
oef:ShareholderReportAnnualOrSemiAnnual	String ††	
oef:AddlInfoTextBlock	Text Block	
oef:AddlInfoPhoneNumber	String	
oef:AddlInfoEmail	String	
oef:AddlInfoWebsite	String	
oef:MaterialFundChngNoticeTextBlock	Text Block	

† See EFM 6.5.46 for value restrictions. †† Text value must match the wording in Item 27A; see EFM 6.5.57.

In a manner similar to the examples in Figure 36 and Figure 44 above, the text block concepts are followed by a list of string concepts intended for words, phrases or sentences required by the form, each of which is an unformatted text string, rather than a formatted text block.

> This annual shareholder report contains important information about the Fictitious Market Fund ("Fund") for the period of November 1, 2031, to October 31, 2032.
>
> You can find additional information about the Fund at www.fictitiouscompany.com/fake. You can also request this information by contacting us at 1-800-555-5555 or by emailing info@fictitiouscompany.com.
>
> **This report describes changes to the Fund that occurred during the reporting period.**

Figure 51. Sample Inline XBRL tagging

```
<ix:nonNumeric contextRef="s" escape="true" name="oef:AnnlOrSemiAnnlStatementTextBlock">
<p>This <ix:nonNumeric contextRef="s" name=" oef:ShareholderReportAnnualOrSemiAnnual">annual shareholder report</ix:nonNumeric>
contains important information about the Fictitious Market Fund ("Fund") for the period of November 1, 2031 to October 31,
2032.</p></ix:nonNumeric>

<ix:nonNumeric contextRef="s" escape="true" name="oef:AddlInfoTextBlock">
<p>This annual shareholder report contains important information about the Fictitious Market Fund ("Fund") for the period of November 1, 2031 to
October 31, 2032. You can find additional information about the Fund at <ix:nonNumeric contextRef="s"
name="oef:AddlInfoWebsite">www.fictitiouscompany.com/fake</ix:nonNumeric>. You can also request this information by contacting us at
<ix:nonNumeric contextRef="s" name="oef:AddlInfoPhoneNumber">1-800-555-5555</ix:nonNumeric> or by emailing <ix:nonNumeric
contextRef="s" name="oef:AddlInfoWebsite">info@fictitiouscompany.com</ix:nonNumeric>.
</p></ix:nonNumeric>

<ix:nonNumeric contextRef="s" escape="true" name="oef:MaterialFundChgNoticeTextBlock">
<p><b>This report describes changes to the Fund that occurred during the reporting period.<b></p>
</ix:nonNumeric>
```

Note that the phone, email and website facts will appear both at the beginning of the shareholder report, and in Item 27A (i), and should not be different.

10.3 Item 27A (c). Fund Expenses

Fund expenses have a single Class Axis, and one main text block with additional numeric facts appearing inside of it. Similar to the treatment of the Bar Chart Closing text block (9.4.3 above) even though the Form refers to the disclosure as a "table", the tabular presentation does not actually require repetition of concepts on additional Axes, therefore it is simply oef:ExpensesTextBlock.   Footnote text blocks are distinguished using the abbreviation Fn, as in oef:ExpensesShortPeriodFnTextBlock.

Figure 52. Definition linkbase relationships for the Shareholder Report

Concept	Type	Target Role or Table
oef:ShareholderReportAbstract	Abstract	
oef:ShareholderReportTable	Hypercube	
oef:ClassAxis	Axis	Class Only
oef:ShareholderReportLineItems	Line Items	
oef:ExpensesTextBlock	Text Block	
oef:ExpensesPaidAmt	Dollars	
oef:ExpenseRatioPct	Percent	
oef:ExpensesShortPeriodFnTextBlock	Text Block	
oef:ExtraordinaryExpensesFnTextBlock	Text Block	
oef:ExpensesExclExtraordinaryExpensesPct	Percent	

10.4 Item 27A (d). Management's Discussion of Fund Performance

The discussion of fund performance contains two table text blocks, within which are numeric facts in tables with various axes.

Each class in a Form N-CSR submission will have a narrative text block fact for the discussion, oef:FactorsAffectingPerfTextBlock, which may include images, but has no individual numeric tags.

The Line Graph requires several different time series numeric data points and other details such as the name of the measure being shown and, if for less than ten years, the date of inception. This requires more than one definition linkbase table of facts. The table of annual returns by Broad-based Index (Section 8.2.2 above) permits more than one

broad-based index. A similarly structured table permits Additional Indexes (10.4.2), and another table for the average annual returns of one class, with or without sales loads, was described in Section 8.5.2.2.

Figure 53. Definition linkbase relationships for Management's Discussion of Fund Performance, text block level

Concept	Type	Target Role or Table
oef:ShareholderReportAbstract	Abstract	
oef:ShareholderReportTable	Hypercube	
oef:ClassAxis	Axis	Class Only
oef:ShareholderReportLineItems	Line Items	
oef:FactorsAffectingPerfTextBlock	Text Block	
oef:LineGraphTableTextBlock	Table Text Block	8.2.2, 10.4.1, 10.4.2
oef:AvgAnnlRtrTableTextBlock	Table Text Block	8.5.2.2
oef:NoDeductionOfTaxesTextBlock	Text Block	
oef:PerfTableMarketIndexChngdTextBlock	Text Block	
oef:PriorMarketIndexComparisonTextBlock	Text Block	
oef:PreviousInvestmentAdviserTextBlock	Text Block	
oef:MaterialChngDescriptionTextBlock	Text Block	
oef:MaterialChngDate	Date	
oef:UpdPerfInfoLocationTextBlock	Text Block	
oef:InabilityToMeetDistLevelTextBlock	Text Block	
oef:DistOfCapitalTextBlock	Text Block	
oef:EtfPremiumDiscountTextBlock	Text Block	
oef:EtfPremiumNumDays	Days	
oef:EtfDiscountNumDays	Days	
oef:EtfPurchaseExplanationTextBlock	Text Block	
oef:EtfPastPerfTextBlock	Text Block	

The remaining text blocks are additional disclosures required in Item 27A.

Note that the disclosure for ETF number of days shares were priced at a premium or discount to NAV do not require any axis except Class; however, the facts will vary as to the period to which they pertain. Do not tag additional granular statistics, such as the premium or discount by range, or by date.

Figure 54. ETF premium and discount text block sample

		Number of Days Trading in each Premium/Discount Range											
		Trading at a Premium to, or at NAV					Trading at a Discount to NAV						
	Total Days at Premium	1.00% or more	0.75% to 0.99%	0.50% to 0.74%	0.25% to 0.49%	0.00% to 0.24%	-.01% to -0.24%	-.25% to -0.49%	-0.50% to -0.74%	-0.75% to -0.99%	-1.00% or more	Total Days at Discount
Fiscal Year 2031	168	0	2	3	12	151	60	6	3	1	0	70
First Quarter of Fiscal Year 2032	40	0	1	1	4	34	20	2	1	1	0	24
Second Quarter of Fiscal Year 2032	38	0	1	2	3	32	22	2	1	0	0	25

Figure 55. ETF premium and discount sample facts

entity	period	concept	class axis	value	unit
cik:0000012345	1/1/2031 – 12/31/2031	oef:EtfPremiumNumDays	fake:C000123456Member	168	utr:D
cik:0000012345	1/1/2032 – 3/31/2032	oef:EtfPremiumNumDays	fake:C000123456Member	40	utr:D
cik:0000012345	4/1/2032 – 6/30/2023	oef:EtfPremiumNumDays	fake:C000123456Member	38	utr:D
cik:0000012345	1/1/2031 – 12/31/2031	oef:EtfDiscountNumDays	fake:C000123456Member	70	utr:D
cik:0000012345	1/1/2032 – 3/31/2032	oef:EtfDiscountNumDays	fake:C000123456Member	24	utr:D
cik:0000012345	4/1/2032 – 6/30/2023	oef:EtfDiscountNumDays	fake:C000123456Member	25	utr:D

10.4.1   Item 27A (d) (2). Line Graph Data, by Class

Line Graph data for an individual class is presented using the Class Axis. Note that in the example below, the starting value for the data with a sales load is less than $10,000, as per Item 27A (d) (2) instruction 2.

Figure 56. Example facts in 10 years of line graph data, by class

entity	period	concept	class	value
cik:0000012345	1/1/2021 - 12/31/2030	oef:LineGraphAndTable-MeasureName	fake:C000123456	Class A
cik:0000012345	12/31/2030	oef:AcctVal	fake:C000123456	14322
cik:0000012345	12/31/2029	oef:AcctVal	fake:C000123456	13640
cik:0000012345	12/31/2028	oef:AcctVal	fake:C000123456	12991
cik:0000012345	12/31/2027	oef:AcctVal	fake:C000123456	12736
cik:0000012345	12/31/2026	oef:AcctVal	fake:C000123456	12610
cik:0000012345	12/31/2025	oef:AcctVal	fake:C000123456	11676
cik:0000012345	12/31/2024	oef:AcctVal	fake:C000123456	11560
cik:0000012345	12/31/2023	oef:AcctVal	fake:C000123456	10704
cik:0000012345	12/31/2022	oef:AcctVal	fake:C000123456	10812
cik:0000012345	12/31/2021	oef:AcctVal	fake:C000123456	10600
cik:0000012345	12/31/2020	oef:AcctVal	fake:C000123456	9900

Values of the concept oef:AcctVal may appear in ix:hidden if the filer does not wish to provide a visible table along with the line graph.

10.4.2 Item 27A (d) (2). Line Graph Data, by Additional Index

The Additional Index Axis is structured the same as the Broad-based index and is used for line graph data in the same way, although its members must be different than those of the Broad-based index.

Figure 57. Definition linkbase relationships in the "Additional Indexes Only" role, with custom members and arcs

Concept	Label	Type	Arcs
oef:AdditionalIndexAxis		Axis	
oef:AdditionalIndexDomain		Domain	dimension-domain dimension-default
fake:PqrsIndexMember	PQRS Index [Member]	Member	domain-member
fake:UvwxIndexMember	UVWX Index [Member]	Member	domain-member

The concept (core) dimension and broad-based index axis are combined in a single for line graph and table:

Concept	Type	Arcs	Target
oef:AccountValueTableAbstract	Abstract		
oef:AccountValueTable	Hypercube	all	
oef:AdditionalIndexAxis	Axis	hypercube-dimension	Additional Index Only
oef:AccountValueLineItems	Line Items	domain-member	Value Measure

10.4.3 Item 27A (d) (4). Table Data, by Class and Sales Load

Performance data is provided in tabular form, with separate figures including and excluding sales loads.

Figure 58. Example facts for 1-, 5- and 10-year period, by class and with or without sales load

entity	period	concept	class	sales load	value
cik:0000012345	1/1/2021 - 12/31/2030	oef:LineGraphAnd-TableMeasureName	fake:C000123456		Class A
cik:0000012345	1/1/2021 - 12/31/2030	oef:AvgAnnlRtrPct	fake:C000123456		.0433
cik:0000012345	1/1/2026 - 12/31/2030	oef:AvgAnnlRtrPct	fake:C000123456		.0506
cik:0000012345	1/1/2030 - 12/31/2030	oef:AvgAnnlRtrPct	fake:C000123456		.0624
cik:0000012345	1/1/2021 - 12/31/2030	oef:AvgAnnlRtrPct	fake:C000123456	oef:WithoutSalesLoadMember	.0434
cik:0000012345	1/1/2026 - 12/31/2030	oef:AvgAnnlRtrPct	fake:C000123456	oef:WithoutSalesLoadMember	.0507
cik:0000012345	1/1/2030 - 12/31/2030	oef:AvgAnnlRtrPct	fake:C000123456	oef:WithoutSalesLoadMember	.0625

10.5 Item 27A (e). Fund Statistics

Only four statistics are specifically required in Item 27A, as shown in the definition links below. To provide additional statistics, use oef:AddlFundStatisticsTextBlock for the display, and include any further narrative discussion in a separate text block.

Figure 59. Definition linkbase relationships for Fund Statistics

Concept	Type	Target Role or Table
oef:ShareholderReportAbstract	Abstract	
oef:ShareholderReportTable	Hypercube	
oef:ClassAxis	Axis	Class Only
oef:ShareholderReportLineItems	Line Items	
us-gaap:AssetsNet	Dollars †	
oef:HoldingsCount	Integer †	
us-gaap:InvestmentCompanyPortfolioTurnover	Percent	
oef:AdvisoryFeesPaidAmt	Dollars	
oef:AddlFundStatisticsTextBlock	Text Block	
oef:AddlFundStatisticsSignificanceOrLimitsTextBlock	Text Block	

† The majority of concepts in OEF have period type duration; these two, along with oef:AcctVal, have period type instant.

Note the use of two US GAAP [GRT] concepts to represent the Portfolio Turnover (for non-Money Market funds) for the reporting period and Net Asset Value (NAV) as of the end of the reporting period.

10.6 Item 27A (f). Graphical Representation of Holdings

There will be a single text block fact for each member of the Class Axis in Form N-CSR as shown in the figure below, along with supporting text blocks for any additional required explanations.

Figure 60. Definition linkbase relationships for the Shareholder Report

Concept	Type	Target Role or Table
oef:ShareholderReportAbstract	Abstract	
oef:ShareholderReportTable	Hypercube	
oef:ClassAxis	Axis	Class Only
oef:ShareholderReportLineItems	Line Items	
oef:HoldingsTableTextBlock	Table Text Block	8.3.1, 10.6.1 to 10.6.6
oef:ExposureBasisExplanationTextBlock	Text Block	
oef:CreditQualityExplanationTextBlock	Text Block	
oef:CreditRatingsSelectionTextBlock	Text Block	
oef:LargestHoldingsTableTextBlock	Table Text Block	10.6.7

Item 27A (f) permits the data to be disclosed "by reasonably identifiable categories (*e.g.*, type of security, industry sector, geographic regions, credit quality, or maturity)", but many other reasonable categorizations are possible. OEF provides tables for each of these, along with two tables with customizable axes.

All graphical representations for all categorizations should appear within an oef:HoldingsTableTextBlock fact for the class. Per 27A (f), the largest holdings may also be shown "near" the graphical representations, in oef:LargestHoldingsTableTextBlock.

10.6.1 Item 27A (d) (2). Holdings by Asset Category

Holdings by Asset Category (a generalization from "type of security") was detailed in 8.3.1. Refer to Figure 16 for details of the Holding Measures, such as oef:PctOfNav and oef:PctOfNetShortExposure.

10.6.2 Item 27A (d) (2). Holdings by Geographic Region

The Geographic Region axis appears in definition links having the same holding measures as other Holdings tables.

Figure 61. Definition linkbase relationships for the Geographic Region role

Concept	Type	Target Role or Table
oef:HoldingsAbstract	Abstract	
oef:HoldingsTable	Hypercube	
oef:ClassAxis	Axis	Class Only
oef:GeographicRegionAxis	Axis	Geographic Region Only
oef:HoldingsLineItems	Line Items	Holding Measure Only

The role "Geographic Region Only" has a default domain, which points to two separate domains with their own definition links. This makes an extensive vocabulary of standard elements available.

Figure 62. Definition linkbase relationships in the "Geographic Region Only" role

Concept	Type	Target Role or Table
oef:GeographicRegionAxis	Axis	
oef:GeographicRegionDomain	Domain	
srt:SegmentGeographicalDomain	Member †	Extensible Enumeration Lists
country:AllCountriesDomain	Member †	Country

† Not "usable" as explicit members of oef:GeographicRegionAxis; see [DIM] section 2.5.3.3.

The Segment Geographical domain includes regions most frequently found in financial reporting, arranged in a hierarchy for convenience, but does not include specific countries.

Figure 63. A selection of definition linkbase relationships in the Extensible Enumeration Lists

Concept	Type	Target Role or Table
srt:SegmentGeographicalDomain	Domain	
srt:AmericasMember	Member	
srt:CentralAmericaMember	Member	
srt:NorthAmericaMember	Member	
srt:SouthAmericaMember	Member	
srt:AsiaMember	Member	
…additional members…		
us-gaap:NonUsMember	Member	

The All Countries domain includes no regions but does includes the two-letter ISO 3166 code of every country.

Figure 64. A selection of definition linkbase relationships in the Country definition linkbase

Concept	Type	Target Role or Table
country:AllCountriesDomain	Domain	
country:AF	Member	
country:AL	Member	
country:DZ	Member	
country:AS	Member	
country:AD	Member	
…additional members…		
country:ZW	Member	

Filers should use the extensive vocabulary of standard elements, rather than defining custom members of the Geographic Region domain.

10.6.3   Item 27A (d) (2). Holdings by Industry Sector

The concept (core) dimension, class axis and industry sector axes are combined in a single table.

Figure 65. Definition linkbase relationships for the Holdings by Industry Sector role

Concept	Type	Target Role or Table
oef:HoldingsAbstract	Abstract	
oef:HoldingsTable	Hypercube	
oef:ClassAxis	Axis	Class Only
oef:IndustrySectorAxis	Axis	Industry Sector Only
oef:HoldingsLineItems	Line Items	Holding Measure Only

The role "Industry Sector Only" starts with over twenty standard members, not only a few defined within OEF, but all the sectors defined in the GRT. The members appear in no particular order in the definition linkbase.

Figure 66. Definition linkbase relationships in the "Industry Sector Only" role

Concept	Type	Target Role or Table
oef:IndustrySectorAxis	Axis	
oef:IndustrySectorDomain	Domain	
us-gaap:EquitySecuritiesIndustryMember	Member †	Extensible Enumeration Lists
oef:CommunicationsSectorMember	Member	
oef:ConsumerDiscretionarySectorMember	Member	
oef:ConsumerStaplesSectorMember	Member	
…additional members…		
oef:UnclassifiedSectorMember	Member	

† Not "usable" as explicit members of oef:GeographicRegionAxis; see [DIM] section 2.5.3.3.

A few of the sectors defined in the GRT are shown below.

Figure 67. Definition linkbase relationships in the "Extensible Enumeration lists" role of us-gaap.

Concept	Type	Target Role or Table
us-gaap:EquitySecuritiesIndustryMember	Domain	
us-gaap:EntertainmentSectorMember	Member	
us-gaap:AutomotiveSectorMember	Member	
us-gaap:TransportationSectorMember	Member	
…additional members…		
us-gaap:AgriculturalSectorMember	Member	

Although filers should use the vocabulary of standard industry sectors where appropriate, many custom members are to be expected.

10.6.4 Item 27A (d) (2). Holdings by Credit Quality

The Concept dimension, Class Axis and Credit Quality Axis are combined in a single table.

Figure 68. Definition linkbase relationships for the Holdings by Credit Quality role

Concept	Type	Target Role or Table
oef:HoldingsAbstract	Abstract	
oef:HoldingsTable	Hypercube	
oef:ClassAxis	Axis	Class Only
oef:CreditQualityAxis	Axis	Credit Quality Only
oef:HoldingsLineItems	Line Items	Holding Measure Only

The role "Credit Quality Only" has dozens of standard members from the SRT, organized into groups according to the Nationally Recognized Statistical Rating Organization (NRSRO) that publishes them. A sample is shown below.

Figure 69. Definition linkbase relationships in the "Broad Based Indexes Only" role

Concept	Type	Target Role or Table
oef:CreditQualityAxis	Axis	
oef:CreditQualityDomain	Domain	
srt:ExternalCreditRatingFitchMember	Member †	
srt:FitchARatingMember	Member	
…22 additional members…	Member	
srt:ExternalCreditRatingMoodysMember	Member †	
srt:MoodysAaaRatingMember	Member	
…20 additional members…	Member	
srt:ExternalCreditRatingStandardPoorsMember	Member †	
srt:StandardPoorsAAARatingMember	Member	
…21 additional members…	Member	
srt:CreditRatingAMBestDomain	Member †	
srt:AMBestAPlusPlusRatingMember	Member	
…15 additional members…	Member	

† Not "usable" as explicit members of oef:CreditQualityAxis; see [DIM] section 2.5.3.3.

Although filers should use the vocabulary of standard industry sectors where appropriate, many custom members are to be expected, particularly when other NRSRO or internal credit quality ratings are used.

10.6.5 Item 27A (d) (2). Holdings by Maturity

The Concept dimension, Class Axis and Maturity Axis are combined in a single table.

Concept	Type	Target Role or Table
oef:HoldingsAbstract	Abstract	
oef:HoldingsTable	Hypercube	
oef:ClassAxis	Axis	Class Only
oef:MaturityAxis	Axis	Maturity Only
oef:HoldingsLineItems	Line Items	Holding Measure Only

The role "Maturity Only" is populated entirely by custom members; for example, by years to maturity of less than one, one to five, or more than five:

Concept	Type	Target Role or Table
oef: MaturityAxis	Axis	
oef:MaturityDomain	Domain member	
fake:OneYearOrLess	Domain member	
fake:OneToFiveYears	Domain member	
fake:MoreThanFiveYears	Domain member	

10.6.6 Item 27A (d) (2). Holdings by Other Categories

When none of the OEF standard categorization axes of sections 10.6.1 through 10.6.5 are deemed appropriate for the holdings of a Class, an open ended category axis can be populated entirely with custom members to meet the need.

As implied by the section "Restrictions on OEF Axes" (8.4 above) only one such axis is technically necessary for all such custom members. OEF provides more, so as to permit filers to divide an excessively large set of custom members for any reason they choose.

Figure 70. Definition linkbase relationships for tables with members of Other Categories 1 and 2 roles

Concept	Type	Target Role or Table
oef:HoldingsAbstract	Abstract	
oef:HoldingsTable	Hypercube	
oef:ClassAxis	Axis	Class Only
oef:OtherCategory1Axis	Axis	Other 1 Category Only
oef:HoldingsLineItems	Line Items	Holding Measure Only

Concept	Type	Target Role or Table
oef:HoldingsAbstract	Abstract	
oef:HoldingsTable	Hypercube	
oef:ClassAxis	Axis	Class Only
oef:OtherCategory2Axis	Axis	Other 2 Category Only
oef:HoldingsLineItems	Line Items	Holding Measure Only

As with other axes, custom members are added in separate roles.

Figure 71. Sample custom member definition relationships, "Other Category 1 Only" and "Other Category 2 Only"

Concept	Type	Target Role or Table
oef:OtherCategory1Axis	Axis	
oef:OtherCategory1Domain	Domain member	
fake:LargeCompaniesMember	Domain member	
fake:SmallerCompaniesMember	Domain member	

As noted above, all four custom members could have appeared together in Category 1.

Concept	Type	Target Role or Table
oef:OtherCategory2Axis	Axis	
oef:OtherCategory2Domain	Domain member	
fake:MatureMarketsMember	Domain member	
fake:EmergingMarketsMember	Domain member	
…additional custom members…		

10.6.7 Item 27A (d) (2). Largest Holdings

Item 27A (d) (2) permits filers to disclose a table that (unlike those in sections 10.6.1 through 10.6.5) need not cover all holdings but rather only the largest individual holdings. The concept (core) dimension, class, and largest holdings axes are combined in a single table:

Figure 72. Definition linkbase relationships for the Largest Holdings role

Concept	Type	Arcs	Target Role or Table
oef:HoldingsAbstract	Abstract		
oef:HoldingsTable	Hypercube	all	
oef:ClassAxis	Axis	hypercube-dimension	Class Only
oef:LargestHoldingsAxis	Axis	hypercube-dimension	Largest Holding Only
oef:HoldingsLineItems	Line Items	domain-member	Holding Measure Only

All members of the Largest Holdings Only role are custom.

Figure 73. Sample custom member definition relationships in the Largest Holdings Only role

Concept	Type	Target Role or Table
oef:LargestHoldingsDomain	Axis	
oef:LargestHoldingsDomain	Domain member	
fake:AbcdeIncMember	Domain member	
fake:GhijkLtdMember	Domain member	
…additional members…		

10.7 Item 27A (g). Material Fund Changes

Material changes to the fund are disclosed via one more text block facts depending on the nature of the change, as shown in the figure below. Facts that detail for the reader how to obtain an updated prospectus are String type concepts tagged in a manner analogous to the example shown in section 10.1 above.

Figure 74. Definition linkbase relationships for the Material Fund Changes role

Concept	Type	Target Role or Table
oef:ShareholderReportAbstract	Abstract	
oef:ShareholderReportTable	Hypercube	
oef:ClassAxis	Axis	Class Only
oef:ShareholderReportLineItems	Line Items	
oef:MaterialFundChngTextBlock	Text Block	
oef:MaterialFundChngNameTextBlock	Text Block	
oef:MaterialFundChngObjectivesTextBlock	Text Block	
oef:MaterialFundChngExpensesTextBlock	Text Block	
oef:MaterialFundChngStrategiesTextBlock	Text Block	
oef:MaterialFundChngRisksChngTextBlock	Text Block	
oef:MaterialFundChngAdviserTextBlock	Text Block	
oef:SummaryOfChngLegendTextBlock	Text Block	
oef:UpdProspectusPhoneNumber	String	
oef:UpdProspectusEmailAddress	String	
oef:UpdProspectusWebAddress	String	

10.8 Item 27A (h). Changes in and Disagreements with Accountants

Changes in the public accountants or disagreements with the findings of incumbent accountants are narrated in distinct text blocks. The date on which an accountant change was made is a date type fact.

Figure 75. Definition linkbase relationships for the Accountants role

Concept	Type	Target Role or Table
oef:ShareholderReportAbstract	Abstract	
oef:ShareholderReportTable	Hypercube	
oef:ClassAxis	Axis	Class Only
oef:ShareholderReportLineItems	Line Items	
oef:AccountantChngStatementTextBlock	Text Block	
oef:AccountantChngDate	Date	
oef:AccountantChngDisagreementsTextBlock	Text Block	

10.9 Item 27A (i). Availability of Additional Information

Prospectus contact information disclosed at the beginning of the shareholder report is repeated as facts in Item 27A (i).

Figure 76. Definition linkbase relationships for the Additional Information role

Concept	Type	Target Role or Table
oef:ShareholderReportAbstract	Abstract	
oef:ShareholderReportTable	Hypercube	
oef:ClassAxis	Axis	Class Only
oef:ShareholderReportLineItems	Line Items	
oef:AddlInfoPhoneNumber	String	
oef:AddlInfoEmail	String	
oef:AddlInfoWebsite	String	

10.10 Shareholder Report Presentation Links

Presentation relationships and labels for all the standard concepts used in the Shareholder Report are embedded within (and thus automatically imported) entry point oef-sr (see section 5 above). These are not customizable.

When custom members are added as members of an axis in the definition linkbase, those custom members must appear as descendants of the corresponding axis in the presentation linkbase so as be processed by the EDGAR renderer and satisfy EFM section 6.12.3.

In practice, this means that wherever the axis appears in the standard presentation linkbase, custom members must be added. For example, each class has a custom concept (see 8.2.1.1 above) and because there will be facts for concept us-gaap:AssetsNet for each class, those class members must be added to the presentation link role "Fund Statistics" as shown in the example below with two class members.

Figure 77. Presentation linkbase relationships in the "Investment Strategy" role, with example custom members and arcs

Concept	Type	Arcs
oef:ShareholderReportAbstract	Abstract	
oef:ShareholderReportTable	Hypercube	parent-child
oef:ClassAxis	Axis	parent-child
oef:ShareClassDomain	Domain	parent-child
fake:C000123456	Member	parent-child
fake:C001234567	Member	parent-child
oef:ProspectusLineItems	Abstract	parent-child
us-gaap:AssetsNet	Dollars	parent-child
oef:HoldingsCount	Integer	parent-child
us-gaap:InvestmentCompanyPortfolioTurnover	Percent	
…additional concepts…		

Those same two custom members would be added to the each of the other presentation groups where oef:ClassAxis appears and there are concepts with facts to be rendered.

Filers are generally free to order the members as they wish as parent-child descendants of the Axis concept.

Conventionally, the custom members are presentation children of the axis, and appear after the default member. For details on the implication of other arrangements, see EFM 6.24.7.

11 LABELS AND AUTHORITATIVE REFERENCES, BY PRESENTATION ROLE

	Risk/Return Summary	
Form N-1A Cover		http://xbrl.sec.gov/rr/role/N1aCover
label	Form N-1A Refs	prefix:name
Form N-1A:		oef:FormN1aAbstract
Prospectus [Table]		oef:ProspectusTable

Document [Axis]		dei:DocumentInformationDocumentAxis
Prospectus		dei:DocumentDomain
Prospectus [Line Items]		oef:ProspectusLineItems
Document Type		dei:DocumentType
Amendment Flag		dei:AmendmentFlag
Amendment Description		dei:AmendmentDescription
Registrant Name		dei:EntityRegistrantName
Entity Central Index Key		dei:EntityCentralIndexKey
Entity Investment Company Type		dei:EntityInvCompanyType
Document Period End Date		dei:DocumentPeriodEndDate
Prospectus Date	Item 1(a)(3)	oef:ProspectusDate
Supplement to Prospectus [Text Block]		oef:SupplementToProspectusTextBlock

Investment Objectives and Goals		http://xbrl.sec.gov/rr/role/RiskReturn
label	Form N-1A Refs	prefix:name
Form N-1A:		oef:FormN1aAbstract
Prospectus [Table]		oef:ProspectusTable
Document [Axis]		dei:DocumentInformationDocumentAxis
Prospectus		dei:DocumentDomain
Series [Axis]		dei:LegalEntityAxis
Series		dei:EntityDomain
Prospectus [Line Items]		oef:ProspectusLineItems
Risk/Return [Heading]	Item 2(a)	oef:RiskReturnHeading
Objective [Heading]	Item 2(a)	oef:ObjectiveHeading
Objective, Primary [Text Block]	Item 2(a)	oef:ObjectivePrimaryTextBlock
Objective, Secondary [Text Block]	Item 2(a)	oef:ObjectiveSecondaryTextBlock

Fees and Expenses		http://xbrl.sec.gov/rr/role/FeesAndExpenses
label	Form N-1A Refs	prefix:name
Form N-1A:		oef:FormN1aAbstract
Prospectus [Table]		oef:ProspectusTable
Document [Axis]		dei:DocumentInformationDocumentAxis
Prospectus		dei:DocumentDomain
Series [Axis]		dei:LegalEntityAxis
Series		dei:EntityDomain
Prospectus [Line Items]		oef:ProspectusLineItems
Expense Heading [Optional Text]	Item 3 instr. 1	oef:ExpenseHeading
Expense Narrative [Text Block]	Item 3 instr. 1(b)	oef:ExpenseNarrativeTextBlock
Expense Breakpoint Discounts [Text]	Item 3 instr. 1(b)	oef:ExpenseBreakpointDiscounts
Expense Breakpoint, Minimum Investment Required [Amount]	Item 3 instr. 1(b)	oef:ExpenseBreakpointMinimumInvestmentRequiredAmount
Expenses Other Expenses Had Extraordinary Expenses Been Included [Text]	Item 3 instr. 3(c)(ii)	oef:ExpensesOtherExpensesHadExtraordinaryExpensesBeenIncluded
Expenses Restated to Reflect Current [Text]	Item 3 instr. 3(d)(ii)	oef:ExpensesRestatedToReflectCurrent
Other Expenses, New Fund, Based on Estimates [Text]	Item 3 instr. 6(a)	oef:OtherExpensesNewFundBasedOnEstimates
Acquired Fund Fees and Expenses, Based on Estimates [Text]	Item 3 instr. 3(f)(vi)	oef:AcquiredFundFeesAndExpensesBasedOnEstimates
Expenses Not Correlated to Ratio Due to Acquired Fund Fees [Text]	Item 3 instr. 3(f)(vii)	oef:ExpensesNotCorrelatedToRatioDueToAcquiredFundFees
Shareholder Fees [Table Text Block]	Item 3 instr. 2	oef:ShareholderFeesTableTextBlock
Shareholder Fees Caption [Optional Text]	Item 3 instr. 2	oef:ShareholderFeesCaption
Expenses Deferred Charges [Text Block]	Item 3 instr. 2(a)(i)	oef:ExpensesDeferredChargesTextBlock
Expenses Range of Exchange Fees [Text Block]	Item 3 instr. 2(c)	oef:ExpensesRangeOfExchangeFeesTextBlock
Expenses Explanation of Nonrecurring Account Fee [Text]	Item 3 instr. 2(d)	oef:ExpensesExplanationOfNonrecurringAccountFee
Annual Fund Operating Expenses [Table Text Block]	Item 3 instr. 3	oef:AnnualFundOperatingExpensesTableTextBlock
Operating Expenses Caption [Optional Text]	Item 3 instr. 3	oef:OperatingExpensesCaption
Expense Footnotes [Text Block]	Item 3 instr. 3	oef:ExpenseFootnotesTextBlock
Expense Example [Heading]	Item 3 instr. 4	oef:ExpenseExampleHeading

Expense Example by Year [Heading]	Item 3 instr. 4	oef:ExpenseExampleByYearHeading
Expense Example Narrative [Text Block]	Item 3 instr. 4	oef:ExpenseExampleNarrativeTextBlock
Expense Example by, Year, Caption [Text]	Item 3 instr. 4	oef:ExpenseExampleByYearCaption
Expense Example, With Redemption [Table Text Block]	Item 3 instr. 4	oef:ExpenseExampleWithRedemptionTableTextBlock
Expense Example, No Redemption Narrative [Text Block]	Item 3 instr. 4(f)	oef:ExpenseExampleNoRedemptionNarrativeTextBlock
Expense Example, No Redemption, By Year, Caption [Text]	Item 3 instr. 4(f)	oef:ExpenseExampleNoRedemptionByYearCaption
Expense Example, No Redemption [Table Text Block]	Item 3 instr. 4(f)	oef:ExpenseExampleNoRedemptionTableTextBlock
Expense Example Footnotes [Text Block]	Item 3 instr. 4	oef:ExpenseExampleFootnotesTextBlock
Expense Example Closing [Text Block]	Item 3 instr. 4	oef:ExpenseExampleClosingTextBlock
Portfolio Turnover [Heading]	Item 3 instr. 5	oef:PortfolioTurnoverHeading
Portfolio Turnover [Text Block]	Item 3 instr. 5	oef:PortfolioTurnoverTextBlock
Portfolio Turnover, Rate	Item 3 instr. 5	oef:PortfolioTurnoverRate
Investment Strategy		http://xbrl.sec.gov/rr/role/InvestmentStrategy
label	Form N-1A Refs	prefix:name
Form N-1A:		oef:FormN1aAbstract
Prospectus [Table]		oef:ProspectusTable
Document [Axis]		dei:DocumentInformationDocumentAxis
Prospectus		dei:DocumentDomain
Series [Axis]		dei:LegalEntityAxis
Series		dei:EntityDomain
Prospectus [Line Items]		oef:ProspectusLineItems
Strategy [Heading]	Item 4(a)	oef:StrategyHeading
Strategy Narrative [Text Block]	Item 4(a)	oef:StrategyNarrativeTextBlock
Strategy Portfolio Concentration [Text]	Item 4(a)	oef:StrategyPortfolioConcentration
Investment Risks		http://xbrl.sec.gov/rr/role/InvestmentRisks
label	Form N-1A Refs	prefix:name
Risks [Abstract]	Item 4(b)(1)	oef:RisksAbstract
Prospectus [Table]		oef:ProspectusTable
Document [Axis]		dei:DocumentInformationDocumentAxis
Prospectus		dei:DocumentDomain
Series [Axis]		dei:LegalEntityAxis
Series		dei:EntityDomain
Risk [Axis]	Item 4(b)(1)(i)	oef:RiskAxis
All Risks [Member]	Item 4(b)(1)(i)	oef:AllRisksMember
Risk Lose Money [Member]	Item 4(b)(1)(i)	oef:RiskLoseMoneyMember
Risk Money Market Fund May Impose Fees or Suspend Sales [Member]	Item 4(b)(1)(ii)	oef:RiskMoneyMarketFundMayImposeFeesOrSuspendSalesMember
Risk Money Market Fund May Not Preserve Dollar [Member]	Item 4(b)(1)(ii)	oef:RiskMoneyMarketFundMayNotPreserveDollarMember
Risk Money Market Fund Sponsor May Not Provide Support [Member]	Item 4(b)(1)(ii)	oef:RiskMoneyMarketFundSponsorMayNotProvideSupportMember
Risk Not Insured [Member]	Item 4(b)(1)(ii)	oef:RiskNotInsuredMember
Risk Money Market Fund Price Fluctuates [Member]	Item 4(b)(1)(ii)(A)	oef:RiskMoneyMarketFundPriceFluctuatesMember
Risk Not Insured Depository Institution [Member]	Item 4(b)(1)(iii)	oef:RiskNotInsuredDepositoryInstitutionMember
Risk Nondiversified Status [Member]	Item 4(b)(1)(iv)	oef:RiskNondiversifiedStatusMember
Prospectus [Line Items]		oef:ProspectusLineItems
Risk [Text Block]	Item 4(b)(1)(i)	oef:RiskTextBlock
Performance Management		http://xbrl.sec.gov/rr/role/PerformanceManagement
label	Form N-1A Refs	prefix:name
Form N-1A:		oef:FormN1aAbstract
Prospectus [Table]		oef:ProspectusTable
Document [Axis]		dei:DocumentInformationDocumentAxis
Prospectus		dei:DocumentDomain
Series [Axis]		dei:LegalEntityAxis
Series		dei:EntityDomain

Prospectus [Line Items]		oef:ProspectusLineItems
Bar Chart and Performance Table [Heading]	Item 4(b)(2)	oef:BarChartAndPerformanceTableHeading
Performance Narrative [Text Block]	Item 4(b)(2)(i)	oef:PerformanceNarrativeTextBlock
Performance Past Does Not Indicate Future [Text]	Item 4(b)(2)(i)	oef:PerformancePastDoesNotIndicateFuture
Performance Information Illustrates Variability of Returns [Text]	Item 4(b)(2)(i)	oef:PerformanceInformationIllustratesVariabilityOfReturns
Performance One Year or Less [Text]	Item 4(b)(2)(i)	oef:PerformanceOneYearOrLess
Performance Additional Market Index [Text]	Item 4(b)(2)(i)	oef:PerformanceAdditionalMarketIndex
Bar Chart Narrative [Text Block]	Item 4(b)(2)(ii)	oef:BarChartNarrativeTextBlock
Bar Chart Does Not Reflect Sales Loads [Text]	Item 4(b)(2)(ii)	oef:BarChartDoesNotReflectSalesLoads
Bar Chart, Returns for Class Not Offered in Prospectus [Text]	Item 4(b)(2)(ii) instr. 3(b)	oef:BarChartReturnsForClassNotOfferedInProspectus
Bar Chart, Reason Selected Class Different from Immediately Preceding Period [Text]	Item 4(b)(2)(ii) instr. 3(b)	oef:BarChartReasonSelectedClassDifferentFromImmediatelyPrecedingPeriod
Bar Chart [Heading]	Item 4(b)(2)(ii)	oef:BarChartHeading
Bar Chart [Table Text Block]	Item 4(b)(2)(ii)	oef:BarChartTableTextBlock
Bar Chart Footnotes [Text Block]	Item 4(b)(2)(ii)	oef:BarChartFootnotesTextBlock
Bar Chart Closing [Text Block]	Item 4(b)(2)(ii)	oef:BarChartClosingTextBlock
Year to Date Return, Label [Optional Text]	Item 4(b)(2)(ii)	oef:YearToDateReturnLabel
Bar Chart, Year to Date Return	Item 4(b)(2)(ii)	oef:BarChartYearToDateReturn
Bar Chart, Year to Date Return, Date	Item 4(b)(2)(ii)	oef:BarChartYearToDateReturnDate
Highest Quarterly Return, Label [Optional Text]	Item 4(b)(2)(ii)	oef:HighestQuarterlyReturnLabel
Highest Quarterly Return	Item 4(b)(2)(ii)	oef:BarChartHighestQuarterlyReturn
Highest Quarterly Return, Date	Item 4(b)(2)(ii)	oef:BarChartHighestQuarterlyReturnDate
Lowest Quarterly Return, Label [Optional Text]	Item 4(b)(2)(ii)	oef:LowestQuarterlyReturnLabel
Lowest Quarterly Return	Item 4(b)(2)(ii)	oef:BarChartLowestQuarterlyReturn
Lowest Quarterly Return, Date	Item 4(b)(2)(ii)	oef:BarChartLowestQuarterlyReturnDate
Performance Table Heading	Item 4(b)(2)(iii)	oef:PerformanceTableHeading
Performance Table Narrative	Item 4(b)(2)(iv)	oef:PerformanceTableNarrativeTextBlock
Performance Table Does Reflect Sales Loads	Item 4(b)(2)(iv)	oef:PerformanceTableDoesReflectSalesLoads
Performance Table Market Index Changed	Item 4(b)(2)(iv) instr. 2(c)	oef:PerformanceTableMarketIndexChanged
Performance Table Uses Highest Federal Rate	Item 4(b)(2)(iv)(A)	oef:PerformanceTableUsesHighestFederalRate
Performance Table Not Relevant to Tax Deferred	Item 4(b)(2)(iv)(B)	oef:PerformanceTableNotRelevantToTaxDeferred
Performance Table Explanation after Tax Higher	Item 4(b)(2)(iv)(D)	oef:PerformanceTableExplanationAfterTaxHigher
Performance [Table Text Block]	Item 4(b)(2)(iii)	oef:PerformanceTableTextBlock
Average Annual Return, Caption [Optional Text]	Item 4(b)(2)(iii)	oef:AverageAnnualReturnCaption
Average Annual Return, Column Name [Optional Text]	Item 4(b)(2)(iii)	oef:AverageAnnualReturnColumnName
Market Index Performance [Table Text Block]	Item 4(b)(2)(iii)	oef:MarketIndexPerformanceTableTextBlock
Performance Table Footnotes	Item 4(b)(2)(iii)	oef:PerformanceTableFootnotesTextBlock
Performance Table Footnotes, Reason Performance Information for Class Different from Immediately Preceding Period [Text]	Item 4(b)(2)(iii)	oef:PerformanceTableFootnotesReasonPerformanceInformationForClassDifferentFromImmediatelyPrecedingPeriod
Performance Table One Class of after Tax Shown [Text]	Item 4(b)(2)(iii)	oef:PerformanceTableOneClassOfAfterTaxShown
Index No Deduction for Fees, Expenses, or Taxes [Text]	Item 4(b)(2)(iii)(1)	oef:IndexNoDeductionForFeesExpensesTaxes
Performance Table Closing [Text Block]	Item 4(b)(2)(iii)	oef:PerformanceTableClosingTextBlock
Money Market Seven Day Yield, Caption [Optional Text]	Item 4(b)(2) instr. 2(a)	oef:MoneyMarketSevenDayYieldCaption
Money Market Seven Day Yield Column [Optional Text]	Item 4(b)(2) instr. 2(a)	oef:MoneyMarketSevenDayYieldColumnName
Money Market Seven Day Yield Phone	Item 4(b)(2) instr. 2(a)	oef:MoneyMarketSevenDayYieldPhone
Money Market Seven Day Yield	Item 4(b)(2) instr. 2(a)	oef:MoneyMarketSevenDayYield
Money Market Seven Day Tax Equivalent Yield	Item 4(b)(2) instr. 2(a)	oef:MoneyMarketSevenDayTaxEquivalentYield
Thirty Day Yield Caption [Optional Text]	Item 4(b)(2) instr. 2(a)	oef:ThirtyDayYieldCaption

Thirty Day Yield Column [Optional Text]	Item 4(b)(2) instr. 2(a)	oef:ThirtyDayYieldColumnName
Thirty Day Yield Phone	Item 4(b)(2) instr. 2(a)	oef:ThirtyDayYieldPhone
Thirty Day Yield	Item 4(b)(2) instr. 2(a)	oef:ThirtyDayYield
Thirty Day Tax Equivalent Yield	Item 4(b)(2) instr. 2(a)	oef:ThirtyDayTaxEquivalentYield
Performance Availability Website Address [Text]	Item 4(b)(2)(i)	oef:PerformanceAvailabilityWebSiteAddress
Performance Availability Phone [Text]	Item 4(b)(2)(i)	oef:PerformanceAvailabilityPhone
Shareholder Fees		http://xbrl.sec.gov/rr/role/ShareholderFeesData
label	Form N-1A Refs	prefix:name
Shareholder Fees:		oef:ShareholderFeesAbstract
Prospectus [Table]		oef:ProspectusTable
Document [Axis]		dei:DocumentInformationDocumentAxis
Prospectus		dei:DocumentDomain
Series [Axis]		dei:LegalEntityAxis
Series		dei:EntityDomain
Class [Axis]		oef:ClassAxis
Share Classes		oef:ShareClassDomain
Prospectus [Line Items]		oef:ProspectusLineItems
Shareholder Fees Column [Optional Text]	Item 3 instr. 2	oef:ShareholderFeesColumnName
Maximum Cumulative Sales Charge (as a percentage of Offering Price)	Item 3 instr. 2	oef:MaximumCumulativeSalesChargeOverOfferingPrice
Maximum Cumulative Sales Charge (as a percentage)	Item 3 instr. 2	oef:MaximumCumulativeSalesChargeOverOther
Maximum Sales Charge Imposed on Purchases (as a percentage of Offering Price)	Item 3 instr. 2	oef:MaximumSalesChargeImposedOnPurchasesOverOfferingPrice
Maximum Deferred Sales Charge (as a percentage of Offering Price)	Item 3 instr. 2	oef:MaximumDeferredSalesChargeOverOfferingPrice
Maximum Deferred Sales Charge (as a percentage)	Item 3 instr. 2	oef:MaximumDeferredSalesChargeOverOther
Maximum Sales Charge on Reinvested Dividends and Distributions (as a percentage)	Item 3 instr. 2	oef:MaximumSalesChargeOnReinvestedDividendsAndDistributions-OverOther
Redemption Fee (as a percentage of Amount Redeemed)	Item 3 instr. 2	oef:RedemptionFeeOverRedemption
Redemption Fee	Item 3 instr. 2	oef:RedemptionFee
Exchange Fee (as a percentage of Amount Redeemed)	Item 3 instr. 2	oef:ExchangeFeeOverRedemption
Exchange Fee	Item 3 instr. 2	oef:ExchangeFee
Maximum Account Fee (as a percentage of Assets)	Item 3 instr. 2	oef:MaximumAccountFeeOverAssets
Maximum Account Fee	Item 3 instr. 2	oef:MaximumAccountFee
Shareholder Fee, Other	Item 3 instr. 2	oef:ShareholderFeeOther
Annual Fund Operating Expenses		http://xbrl.sec.gov/rr/role/OperatingExpensesData
label	Form N-1A Refs	prefix:name
Form N-1A:		oef:FormN1aAbstract
Prospectus [Table]		oef:ProspectusTable
Document [Axis]		dei:DocumentInformationDocumentAxis
Prospectus		dei:DocumentDomain
Series [Axis]		dei:LegalEntityAxis
Series		dei:EntityDomain
Class [Axis]		oef:ClassAxis
Share Classes		oef:ShareClassDomain
Prospectus [Line Items]		oef:ProspectusLineItems
Operating Expenses Column [Optional Text]	Item 3 instr. 3	oef:OperatingExpensesColumnName
Management Fees (as a percentage of Assets)	Item 3 instr. 3(a)	oef:ManagementFeesOverAssets
Distribution and Service (12b-1) Fees	Item 3 instr. 3(b)	oef:DistributionAndService12b1FeesOverAssets
Distribution or Similar (Non 12b-1) Fees	Item 3 instr. 3(b)	oef:DistributionOrSimilarNon12b1FeesOverAssets
Component1 Other Expenses	Item 3 instr. 3(c)(iii)	oef:Component1OtherExpensesOverAssets
Component2 Other Expenses	Item 3 instr. 3(c)(iii)	oef:Component2OtherExpensesOverAssets

Component3 Other Expenses	Item 3 instr. 3(c)(iii)	oef:Component3OtherExpensesOverAssets
Other Expenses (as a percentage of Assets):	Item 3 instr. 3(c)(i)	oef:OtherExpensesOverAssets
Expenses (as a percentage of Assets)	Item 3 instr. 3(d)	oef:ExpensesOverAssets
Fee Waiver or Reimbursement	Item 3 instr. 3(e)	oef:FeeWaiverOrReimbursementOverAssets
Fee Waiver or Reimbursement over Assets, Date of Termination	Item 3 instr. 3(e)	oef:FeeWaiverOrReimbursementOverAssetsDateOfTermination
Acquired Fund Fees and Expenses	Item 3 instr. 3(f)(i)	oef:AcquiredFundFeesAndExpensesOverAssets
Net Expenses (as a percentage of Assets)	Item 3 instr. 3	oef:NetExpensesOverAssets
Expense Example		http://xbrl.sec.gov/rr/role/ExpenseExample
label	Form N-1A Refs	prefix:name
Expense Example:		oef:ExpenseExampleAbstract
Prospectus [Table]		oef:ProspectusTable
Document [Axis]		dei:DocumentInformationDocumentAxis
Prospectus		dei:DocumentDomain
Series [Axis]		dei:LegalEntityAxis
Series		dei:EntityDomain
Class [Axis]		oef:ClassAxis
Share Classes		oef:ShareClassDomain
Prospectus [Line Items]		oef:ProspectusLineItems
Expense Example, By Year, Column [Optional Text]	Item 3 instr. 4	oef:ExpenseExampleByYearColumnName
Expense Example, with Redemption, 1 Year	Item 3 instr. 4	oef:ExpenseExampleYear01
Expense Example, with Redemption, 3 Years	Item 3 instr. 4	oef:ExpenseExampleYear03
Expense Example, with Redemption, 5 Years	Item 3 instr. 4	oef:ExpenseExampleYear05
Expense Example, with Redemption, 10 Years	Item 3 instr. 4	oef:ExpenseExampleYear10
Expense Example, No Redemption		http://xbrl.sec.gov/rr/role/ExpenseExampleNoRedemption
label	Form N-1A Refs	prefix:name
Expense Example, No Redemption:		oef:ExpenseExampleNoRedemptionAbstract
Prospectus [Table]		oef:ProspectusTable
Document [Axis]		dei:DocumentInformationDocumentAxis
Prospectus		dei:DocumentDomain
Series [Axis]		dei:LegalEntityAxis
Series		dei:EntityDomain
Class [Axis]		oef:ClassAxis
Share Classes		oef:ShareClassDomain
Prospectus [Line Items]		oef:ProspectusLineItems
Expense Example, No Redemption, By Year, Column [Optional Text]	Item 3 instr. 4(f)	oef:ExpenseExampleNoRedemptionByYearColumnName
Expense Example, No Redemption, 1 Year	Item 3 instr. 4(f)	oef:ExpenseExampleNoRedemptionYear01
Expense Example, No Redemption, 3 Years	Item 3 instr. 4(f)	oef:ExpenseExampleNoRedemptionYear03
Expense Example, No Redemption, 5 Years	Item 3 instr. 4(f)	oef:ExpenseExampleNoRedemptionYear05
Expense Example, No Redemption, 10 Years	Item 3 instr. 4(f)	oef:ExpenseExampleNoRedemptionYear10
Annual Total Returns		http://xbrl.sec.gov/rr/role/BarChartData
label	Form N-1A Refs	prefix:name
Bar Chart Table:		oef:BarChartTableAbstract
Prospectus [Table]		oef:ProspectusTable
Document [Axis]		dei:DocumentInformationDocumentAxis
Prospectus		dei:DocumentDomain
Series [Axis]		dei:LegalEntityAxis
Series		dei:EntityDomain
Class [Axis]		oef:ClassAxis
Share Classes		oef:ShareClassDomain
Prospectus [Line Items]		oef:ProspectusLineItems
Annual Return Caption [Text]	Item 4(b)(2)(ii) instr.	oef:AnnualReturnCaption
Annual Return, Column [Optional Text]	Item 4(b)(2)(ii) instr.	oef:AnnualReturnColumnName

label	Form N-1A Refs	prefix:name
Annual Return, Inception Date	Item 4(b)(2)(ii)	oef:AnnualReturnInceptionDate
Annual Return [Percent]	Item 4(b)(2)(ii)	oef:AnnlRtrPct
Average Annual Total Returns		http://xbrl.sec.gov/rr/role/PerformanceTableData
label	Form N-1A Refs	prefix:name
Average Annual Return:		oef:AverageAnnualReturnAbstract
Prospectus [Table]		oef:ProspectusTable
Document [Axis]		dei:DocumentInformationDocumentAxis
Prospectus		dei:DocumentDomain
Class [Axis]		oef:ClassAxis
Share Classes		oef:ShareClassDomain
Performance Measure [Axis]	Item 4(b)(2)(iii)	oef:PerformanceMeasureAxis
Before Taxes	Item 4(b)(2)(iii)	oef:PerformanceMeasureDomain
After Taxes on Distributions	Item 4(b)(2)(iii)	oef:AfterTaxesOnDistributionsMember
After Taxes on Distributions and Sales	Item 4(b)(2)(iii)	oef:AfterTaxesOnDistributionsAndSalesMember
Prospectus [Line Items]		oef:ProspectusLineItems
Average Annual Return, Label [Optional Text]	Item 4(b)(2)(iii)	oef:AverageAnnualReturnLabel
Performance Inception Date	Item 27A(d)(2)(i)	oef:PerfInceptionDate
Average Annual Return, Percent	Item 27A(d)(2) instr. 7	oef:AvgAnnlRtrPct
	Shareholder Report	
Form N-CSR Cover		http://xbrl.sec.gov/oef/role/NcsrCover
label	Form N-1A Refs	prefix:name
		dei:CoverAbstract
Shareholder Report [Table]	Item 27A	oef:ShareholderReportTable
Shareholder Report [Line Items]	Item 27A	oef:ShareholderReportLineItems
Document Type		dei:DocumentType
Amendment Flag		dei:AmendmentFlag
Amendment Description		dei:AmendmentDescription
Registrant Name		dei:EntityRegistrantName
Entity Central Index Key		dei:EntityCentralIndexKey
Entity Investment Company Type		dei:EntityInvCompanyType
Document Period End Date		dei:DocumentPeriodEndDate
Shareholder Report	Role	http://xbrl.sec.gov/oef/role/ShareholderReport
label	Form N-1A Refs	prefix:name
Shareholder Report [Abstract]	Item 27A	oef:ShareholderReportAbstract
Shareholder Report [Table]	Item 27A	oef:ShareholderReportTable
Class [Axis]		oef:ClassAxis
Share Classes		oef:ShareClassDomain
Shareholder Report [Line Items]	Item 27A	oef:ShareholderReportLineItems
Document Type		dei:DocumentType
Amendment Flag		dei:AmendmentFlag
Amendment Description		dei:AmendmentDescription
Registrant Name		dei:EntityRegistrantName
Entity Central Index Key		dei:EntityCentralIndexKey
Entity Investment Company Type		dei:EntityInvCompanyType
Document Period End Date		dei:DocumentPeriodEndDate
Fund Name	Item 27A(b)(1)	oef:FundName
Class Name	Item 27A(b) instr. 2	oef:ClassName
		dei:NoTradingSymbolFlag
Trading Symbol		dei:TradingSymbol
Security Exchange Name		dei:SecurityExchangeName
Annual or Semi-Annual Statement [Text Block]	Item 27A(b)(3)	oef:AnnlOrSemiAnnlStatementTextBlock
Shareholder Report Annual or Semi-Annual	Item 27A(b)(3)	oef:ShareholderReportAnnualOrSemiAnnual
Additional Information [Text Block]	Item 27A(b)(4)	oef:AddlInfoTextBlock
Material Fund Change Notice [Text Block]	Item 27A(b)(5)	oef:MaterialFundChngNoticeTextBlock

Additional Information Phone Number	Item 27A(b) instr. 2	oef:AddlInfoPhoneNumber
Additional Information Email	Item 27A(b) instr. 2	oef:AddlInfoEmail
Additional Information Website	Item 27A(b) instr. 2	oef:AddlInfoWebsite
Expenses [Text Block]	Item 27A(c)	oef:ExpensesTextBlock
Expenses Paid, Amount	Item 27A(c)(ii)	oef:ExpensesPaidAmt
Expense Ratio, Percent	Item 27A(c)(iii)	oef:ExpenseRatioPct
Expenses Represent Both Master and Feeder [Text]	Item 3 instr. 1(d)(i)	oef:ExpensesRepresentBothMasterAndFeeder
Expenses Short Period Footnote [Text Block]	Item 27A(c) instr. 1(c)	oef:ExpensesShortPeriodFnTextBlock
Extraordinary Expenses Footnote [Text Block]	Item 27A(c) instr. 1(d)	oef:ExtraordinaryExpensesFnTextBlock
Expenses Excluding Extraordinary Expenses, Percent	Item 27A(c) instr. 1(d)	oef:ExpensesExclExtraordinaryExpensesPct
Factors Affecting Performance [Text Block]	Item 27A(d)(1)	oef:FactorsAffectingPerfTextBlock
Performance Past Does Not Indicate Future [Text]	Item 4(b)(2)(i)	oef:PerformancePastDoesNotIndicateFuture
Line Graph [Table Text Block]	Item 27A(d)(2)	oef:LineGraphTableTextBlock
Average Annual Return [Table Text Block]	Item 27A(d)(2) instr. 7	oef:AvgAnnlRtrTableTextBlock
Performance Inception Date	Item 27A(d)(2)(i)	oef:PerfInceptionDate
No Deduction of Taxes [Text Block]	Item 27A(d)(2)(iii)(B)	oef:NoDeductionOfTaxesTextBlock
Performance Table Market Index Changed [Text Block]	Item 27A(d)(2) instr. 8	oef:PerfTableMarketIndexChngdTextBlock
Prior Market Index Comparison [Text Block]	Item 27A(d)(2) instr. 8	oef:PriorMarketIndexComparisonTextBlock
Previous Investment Adviser [Text Block]	Item 27A(d)(2) instr. 12	oef:PreviousInvestmentAdviserTextBlock
Material Change Description [Text Block]	Item 27A(d)(2) instr. 14	oef:MaterialChngDescriptionTextBlock
Material Change Date	Item 27A(d)(2) instr. 14	oef:MaterialChngDate
Updated Performance Information Location [Text Block]	Item 27A(d)(2) instr. 15	oef:UpdPerfInfoLocationTextBlock
Inability to Meet Distribution Level [Text Block]	Item 27A(d)(3)	oef:InabilityToMeetDistLevelTextBlock
Distribution of Capital [Text Block]	Item 27A(d)(3)	oef:DistOfCapitalTextBlock
ETF Premium Discount [Text Block]	Item 27A(d)(4)	oef:EtfPremiumDiscountTextBlock
ETF Premium, Number of Days	Item 27A(d)(4)	oef:EtfPremiumNumDays
ETF Discount, Number of Days	Item 27A(d)(4)	oef:EtfDiscountNumDays
ETF Purchase Explanation [Text Block]	Item 27A(d)(4) instr. 3	oef:EtfPurchaseExplanationTextBlock
ETF Past Performance [Text Block]	Item 27A(d)(4) instr. 4	oef:EtfPastPerfTextBlock
		us-gaap:AssetsNet
Holdings Count	Item 27A(e)	oef:HoldingsCount
Advisory Fees Paid, Amount	Item 27A(e)	oef:AdvisoryFeesPaidAmt
		us-gaap:InvestmentCompanyPortfolioTurnover
Additional Fund Statistics [Text Block]	Item 27A(e)	oef:AddlFundStatisticsTextBlock
Additional Fund Statistics Significance or Limits [Text Block]	Item 27A(e) instr. 6	oef:AddlFundStatisticsSignificanceOrLimitsTextBlock
Holdings [Table Text Block]	Item 27A(f)	oef:HoldingsTableTextBlock
Exposure Basis Explanation [Text Block]	Item 27A(f)	oef:ExposureBasisExplanationTextBlock
Credit Quality Explanation [Text Block]	Item 27A(f)	oef:CreditQualityExplanationTextBlock
Credit Ratings Selection [Text Block]	Item 27A(f)	oef:CreditRatingsSelectionTextBlock
Largest Holdings [Table Text Block]	Item 27A(f)	oef:LargestHoldingsTableTextBlock
Material Fund Change [Text Block]	Item 27A(g)	oef:MaterialFundChngTextBlock
Material Fund Change Name [Text Block]	Item 27A(g)(1)	oef:MaterialFundChngNameTextBlock
Material Fund Change Objectives [Text Block]	Item 27A(g)(2)	oef:MaterialFundChngObjectivesTextBlock
Material Fund Change Expenses [Text Block]	Item 27A(g)(3)	oef:MaterialFundChngExpensesTextBlock
Material Fund Change Strategies [Text Block]	Item 27A(g)(4)	oef:MaterialFundChngStrategiesTextBlock

label	Form N-1A Refs	prefix:name
Material Fund Change Risks Change [Text Block]	Item 27A(g)(5)	oef:MaterialFundChngRisksChngTextBlock
Material Fund Change Adviser [Text Block]	Item 27A(g)(6)	oef:MaterialFundChngAdviserTextBlock
Summary of Change Legend [Text Block]	Item 27A(g) instr. 2	oef:SummaryOfChngLegendTextBlock
Updated Prospectus Phone Number	Item 27A(g) instr. 2	oef:UpdProspectusPhoneNumber
Updated Prospectus Email Address	Item 27A(g) instr. 2	oef:UpdProspectusEmailAddress
Updated Prospectus Web Address	Item 27A(g) instr. 2	oef:UpdProspectusWebAddress
Accountant Change Statement [Text Block]	Item 27A(h)(1)	oef:AccountantChngStatementTextBlock
Accountant Change Date	Item 27A(h)(1)	oef:AccountantChngDate
Accountant Change Disagreements [Text Block]	Item 27A(h)(2)	oef:AccountantChngDisagreementsTextBlock

Shareholder Report, Line Graph (Details)		http://xbrl.sec.gov/oef/role/ShareholderReportLineGraphDetails
label	Form N-1A Refs	prefix:name
Account Value Table [Abstract]	Item 27A(d)(2)	oef:AccountValueTableAbstract
Account Value [Table]	Item 27A(d)(2)	oef:AccountValueTable
Additional Index [Axis]	Item 27A(d)(2)	oef:AdditionalIndexAxis
Additional Index [Domain]	Item 27A(d)(2)	oef:AdditionalIndexDomain
Broad Based Index [Axis]	Item 27A(d)(2)	oef:BroadBasedIndexAxis
Broad Based Index [Domain]	Item 27A(d)(2)	oef:BroadBasedIndexDomain
Class [Axis]		oef:ClassAxis
Share Classes		oef:ShareClassDomain
Account Value [Line Items]	Item 27A(d)(2)	oef:AccountValueLineItems
Line Graph and Table Measure Name	Item 27A(d)(2)(i)	oef:LineGraphAndTableMeasureName
Account Value	Item 27A(d)(2)(i)	oef:AcctVal

Shareholder Report, Average Annual Return (Details)		http://xbrl.sec.gov/oef/role/ShareholderReportAverageAnnualReturnDetails
label	Form N-1A Refs	prefix:name
Average Annual Return Table [Abstract]	Item 27A(d)(2)	oef:AverageAnnualReturnTableAbstract
Average Annual Return [Table]	Item 27A(d)(2)	oef:AverageAnnualReturnTable
Additional Index [Axis]	Item 27A(d)(2)	oef:AdditionalIndexAxis
Additional Index [Domain]	Item 27A(d)(2)	oef:AdditionalIndexDomain
Broad Based Index [Axis]	Item 27A(d)(2)	oef:BroadBasedIndexAxis
Broad Based Index [Domain]	Item 27A(d)(2)	oef:BroadBasedIndexDomain
Class [Axis]		oef:ClassAxis
Share Classes		oef:ShareClassDomain
Sales Load [Axis]	Item 27A(d)(2) instr. 7	oef:SalesLoadAxis
With Sales Load [Member]	Item 27A(d)(2) instr. 7	oef:WithSalesLoadMember
Without Sales Load [Member]	Item 27A(d)(2) instr. 7	oef:WithoutSalesLoadMember
Average Annual Return [Line Items]	Item 27A(d)(2)	oef:AverageAnnualReturnLineItems
Line Graph and Table Measure Name	Item 27A(d)(2)(i)	oef:LineGraphAndTableMeasureName
Average Annual Return, Percent	Item 27A(d)(2) instr. 7	oef:AvgAnnlRtrPct

Shareholder Report, Holdings (Details)		http://xbrl.sec.gov/oef/role/ShareholderReportHoldingsDetails
label	Form N-1A Refs	prefix:name
Holdings [Abstract]	Item 27A(f)	oef:HoldingsAbstract
Holdings [Table]	Item 27A(f)	oef:HoldingsTable
Class [Axis]		oef:ClassAxis
Share Classes		oef:ShareClassDomain
		us-gaap:InvestmentTypeAxis
		us-gaap:InvestmentTypeCategorizationMember
Geographic Region [Axis]	Item 27A(f)	oef:GeographicRegionAxis
Geographic Region [Domain]	Item 27A(f)	oef:GeographicRegionDomain
Industry Sector [Axis]	Item 27A(f)	oef:IndustrySectorAxis

Industry Sector [Domain]	Item 27A(f)	oef:IndustrySectorDomain
Credit Quality [Axis]	Item 27A(f)	oef:CreditQualityAxis
Credit Quality [Domain]	Item 27A(f)	oef:CreditQualityDomain
		srt:ExternalCreditRatingFitchMember
		srt:ExternalCreditRatingMoodysMember
		srt:ExternalCreditRatingStandardPoorsMember
		srt:CreditRatingAMBestDomain
Maturity [Axis]	Item 27A(f)	oef:MaturityAxis
Maturity [Domain]	Item 27A(f)	oef:MaturityDomain
Other Category 1 [Axis]	Item 27A(f)	oef:OtherCategory1Axis
Other Category 1 [Domain]	Item 27A(f)	oef:OtherCategory1Domain
Other Category 2 [Axis]	Item 27A(f)	oef:OtherCategory2Axis
Other Category 2 [Domain]	Item 27A(f)	oef:OtherCategory2Domain
Largest Holding [Axis]	Item 27A(f)	oef:LargestHoldingAxis
Largest Holdings [Domain]	Item 27A(f)	oef:LargestHoldingsDomain
Holdings [Line Items]	Item 27A(f)	oef:HoldingsLineItems
Percent of Net Asset Value	Item 27A(f)	oef:PctOfNav
Percent of Total Investments	Item 27A(f)	oef:PctOfTotalInv
Percent of Total Long Exposure	Item 27A(f)	oef:PctOfTotalLongExposure
Percent of Total Short Exposure	Item 27A(f)	oef:PctOfTotalShortExposure
Percent of Net Long Exposure	Item 27A(f)	oef:PctOfNetLongExposure
Percent of Net Short Exposure	Item 27A(f)	oef:PctOfNetShortExposure

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[CEF]   Closed End Fund Taxonomy

www.sec.gov/info/edgar/edgartaxonomies.shtml#tab2

[DEI]   Document and Entity Information Taxonomy

www.sec.gov/structureddata/dera_taxonomies

[DIM]   XBRL Dimensions 1.0

https://specifications.xbrl.org/spec-group-index-group-dimensions.html

[EFM]   EDGAR Filer Manual, Volume II prior to version 70, sections 5.2.5 and chapter 6 on Interactive Data

www.sec.gov/edgar/filer-information

[GRT]   US-GAAP Financial Reporting Taxonomy

www.fasb.org/xbrl

[iXBRL]   Inline XBRL 1.1.

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[N-1A]   Form N-1A

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[N-CSR]   Form N-CSR

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[RR]   Mutual Fund Prospectus Risk/Return Summary Taxonomy

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[SRT]   SEC Reporting Taxonomy

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[VIP]   Variable Insurance Product Taxonomy

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