



# **EDGAR® Form N-CEN XML Technical Specification**

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**September 2017**

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# 1 INTRODUCTION

## 1.1 Purpose

This document details the valid structure and content of the Form N-CEN Electronic Data Gathering, Analysis, and Retrieval (EDGAR) Extensible Markup Language (XML) submission types. The following table lists the submission types for Form N-CEN.

**Table 1-1: N-CEN Submission Types**

SUBMISSION TYPE	DESCRIPTION
N-CEN	Annual Report for Registered Investment Companies
N-CEN/A	Amendment to Annual Report for Registered Investment Companies

This specification provides the basis for creating the aforementioned submission types for N-CEN XML submissions. Filers must use this technical specification to generate a N-CEN XML submission that can be successfully parsed by the EDGAR system.

The N-CEN submission file must conform to the EDGAR N-CEN Submission Taxonomy. This taxonomy is comprised of a collection of XML Schema Definition (.xsd) files that define the structures of EDGAR N-CEN submissions.

The N-CEN XML submissions can be transmitted to the SEC via the EDGAR FilerWeb (<https://www.edgarfiling.sec.gov/>) or the “Transmit XML Submission” option from the EDGAR OnlineForms/XML Website (<https://www.onlineforms.edgarfiling.sec.gov/>).

In order to use the EDGAR FilerWeb or OnlineForms/XML Website, you must have a Central Index Key (CIK) and EDGAR access codes (password, CIK confirmation code (CCC)). If you currently have a CIK and access codes, you can proceed to the EDGAR FilerWeb or OnlineForms/XML Website to submit your submission. If you do not have access codes, you will need to obtain access codes through the EDGAR Filer Management website (<https://www.filermanagement.edgarfiling.sec.gov/>). For further information regarding how to obtain access codes, refer to the “Becoming an EDGAR Filer” section of the EDGAR Filer Manual, Volume I (General Information).

For further information regarding the EDGAR FilerWeb or OnlineForms/XML Website, specifically in regards to the transmission of filer-constructed submissions, refer to the Filer Constructed XML Submissions section of the EDGAR Filer Manual, Volume II (EDGAR Filing).

## 2 EDGAR SCHEMA FILES

**Table 2-1: N-CEN Schema Files** describes the schema files that the EDGAR system uses to validate N-CEN submissions. These schemas are considered part of this specification and are distributed with this document.

**Table 2-1: N-CEN Schema Files**

XML Schema File	Scope of File
eis_NCEN_Filer.xsd	Defines the elements for a N-CEN submission
eis_NCEN_Common.xsd	Defines common elements for N-CEN submission
eis_Common_SC.xsd	Defines series and class elements for all EDGAR submissions
eis_Common.xsd	Defines the common elements for all EDGAR submissions
eis_ISO_ExchangeList.xsd	Defines ISO Exchange codes for all N-CEN submissions
eis_ISO_StateCodes.xsd	Defines ISO State Country codes for all N-CEN submissions
eis_stateCodes.xsd	Defines State Country codes referred in eis_Common.xsd.

The schema files define the valid data elements for a Form N-CEN submission, the hierarchy and sequencing of these elements, data types, valid values, maximum lengths, and number of occurrences, etc.

It is recommended that you download these files and use them for your own validation prior to filing a submission. This will greatly reduce the likelihood of receiving an EDGAR Suspend error. These schema files contain several annotations that describe the nature of the content of some of the elements.

EDGAR performs several validation checks that are not related to the schema files, so it is possible for a submission to meet all the schema constraints and still be **SUSPENDED** or **BLOCKED**. For instance, EDGAR verifies that each CIK/CCC pair is valid.

### 2.1 Schema Table Column Definitions

We assume the filer is familiar with the basics of the XML language, Namespaces, and the XML Schema Definition language. If not, you can find numerous references on the World Wide Web. One recommended website that provides several useful tutorials and examples is <http://www.w3schools.com/>.

The table below highlights the schema language features used most heavily in the EDGAR N-CEN submission schema files. These are:

**Table 2-2: Schema Language**

Indicator	Purpose
<sequence>	Specifies that child elements must appear in a specific order. This indicator is used with each element hierarchy. Elements must always appear in the order shown in Section 3.4.
<choice>	Specifies that only one of the child elements can be present within the containing element.
<minOccurs>	Specifies the minimum number of times that an element can occur.
<maxOccurs>	Specifies the maximum number of times that an element can occur.

### 3 XML SCHEMAS

This section summarizes the restrictions and constraints imposed on the content of the N-CEN submission types. These rules are enforced by the schema files and by EDGAR submission processing applications.

The schema files cannot enforce all the rules concerning data content, so it is possible for a submission to satisfy all the schema constraints and still be **SUSPENDED** or **BLOCKED** by EDGAR.

#### 3.1 Schema Table Column Definitions

The following table defines the columns in the two schema summation tables provided in Sections 3.4:

**Table 3-1: Column Definitions for the Tables in Section 3-4**

Column Name	Description
Level	Depth of element in the XML node hierarchy.
Order	Order in which elements must appear.
Data Type	See Table in Section 3.2 for a detailed description.
Element Name	Name of the XML element. This is case-sensitive.
Data Value Constraint	The paragraph that describes the data value constraint for the element. The values specified are case sensitive.
Max Occur	Maximum times a set of elements may be repeated. The maximum occurrence is 1, if not specified.
Applicability of Element	Indicates applicability of the element. m = Mandatory, o = Optional, NA = Does Not Apply. EDGAR uses this element for server-side processing. Do not provide a value for this element.
Max Length	Maximum length for elements. EDGAR database stores up to this number of characters. "Unlimited" means no maximum length constraint for the element value.

#### 3.2 Data Type Constraints

Each entry in the "Data Type" column of these tables will be one of these values:

Data Type	Constraints
Boolean	Indicate a "true" value with either a "1" or the word "true". Indicate a "false" value with either a "0" or the word "false". A Boolean element may not have a null or blank value. This is a schema violation and will cause a <b>SUSPENSE</b> error.
date	Must be of the format YYYY-MM-DD. A date element may not have a null or blank value. This is a schema violation and will cause a <b>SUSPENSE</b> error. Do not include a date element at all if your goal is to not provide an optional date.
integer	Only valid characters are 0-9. Cannot contain commas, a minus sign, a dollar sign, or parentheses. An integer element may not have a null or blank value. This is a schema violation and will cause a <b>SUSPENSE</b> error.

Data Type	Constraints										
Decimal	Only valid characters are 0-9 and a period. Cannot contain commas, dollar sign, or parentheses. EDGAR is equipped with storing a maximum of 36 digits includes 12 digits after the floating point. A decimal element may not have a null or blank value. This is a schema violation and will cause a SUSPENSE error. Do not include a decimal element at all if your goal is to not provide an optional number.										
String	<p>Should be no longer than the length shown in the tables in Section 3.4.</p> <p>EDGAR stores values in the &lt;signatureName&gt;, and &lt;contactEmailAddress&gt; elements exactly as provided. All other values are stored in the database as uppercase.</p> <p>You must use special escape sequences to represent these four characters:</p> <table border="1"> <thead> <tr> <th>Character</th><th>Escape Sequence</th></tr> </thead> <tbody> <tr> <td>&lt;</td><td>&amp;lt; or &amp;#60;</td></tr> <tr> <td>&gt;</td><td>&amp;gt; or &amp;#62;</td></tr> <tr> <td>&amp;</td><td>&amp;amp; or &amp;#38;</td></tr> <tr> <td>"</td><td>&amp;quot; or &amp;#34;</td></tr> </tbody> </table>	Character	Escape Sequence	<	&lt; or &#60;	>	&gt; or &#62;	&	&amp; or &#38;	"	&quot; or &#34;
Character	Escape Sequence										
<	&lt; or &#60;										
>	&gt; or &#62;										
&	&amp; or &#38;										
"	&quot; or &#34;										
NV	These fields cannot have a value. They are parent element nodes that contain other XML elements. These elements need to be present for proper validation.										
attr	Attribute property for an XML element.										

### 3.3 Applicability of Schema Elements

Each entry in the submission/document type column in Section 3.4 will have one of these values:

Value	Description
m	Mandatory.
m#	Conditional Mandatory. The element is mandatory if its parent element is included.
m#1	If <confirmingCopyFlag> is "true", then the element becomes mandatory.
m#2	If <investmentCompanyType> is N-1A or N-3 or N-4 or N-6, then the element becomes mandatory.
m#3	If <registrantCountry> is US, then the element becomes mandatory.
m#4	Mandatory, Should provide the same value as <investmentCompanyType>
m#5	If <investmentCompanyType> is N-3, then the element becomes mandatory.
m#6	If <investmentCompanyType> is N-1A or N-2 or N-3 or N-5, then the element becomes mandatory.
m#7	If <investmentCompanyType> is N-1A or N-3 then the element becomes mandatory.
m#8	If <paymentToAgentManagerType> is "Other" then the element becomes mandatory.
m#9	If <custodyType> is "Other" then the element becomes mandatory.
m#10	If "Money Market Fund" was provided as one of the <fundType> then the element becomes mandatory.



Value	Description
m#11	If <description> is "Other" then this element becomes mandatory.
m#12	If <rightsOfferingType> is "Other" then this element becomes mandatory.
m#13	If <secondaryOfferingType> is "Other" then this element becomes mandatory.
m#14	If <repurchaseSecurityType> is "Other" then this element becomes mandatory.
m#15	If <investmentCompanyType> is N-2 then the element becomes mandatory.
m#16	If "Common Stock" was provided as one of the <repurchaseSecurityType> then the element becomes mandatory.
m#17	If <custodyType> is "Other" then the element becomes mandatory.
m#18	If <investmentCompanyType> is N-1A or N-2 or N-3 then the element becomes mandatory and should match with one of the <mgmtInvFundName> in <managementInvestmentQuestion>
m#19	If <investmentCompanyType> is S-6 then this element becomes mandatory.
m#20	If <numOfExistingSeries> is greater than zero then the element becomes mandatory.
m#21	If <isRegistrantSeparateInsuranceAccount> is "Y" or <investmentCompanyType> is N-3 then this element becomes mandatory.
m#22	If <investmentCompanyType> is N-1A or N-2 or N-3 and <indexFundInfo> and <masterFeederFundInfo> were not provided then the element becomes mandatory. Note : In one <managementInvestmentQuestion> either "Exchange-Traded Fund" or "Exchange-Traded Managed Fund" is allowed.
m#23	If <investmentCompanyType> is N-1A or N-2 or N-3 and <fundType> and <masterFeederFundInfo> are not provided then the element becomes mandatory.
m#24	If <investmentCompanyType> is N-1A or N-2 or N-3 and <fundType> and <indexFundInfo> are not provided then the element becomes mandatory.
m#25	If <hasLineOfCredit> or <lineOfCredit> is provided then this element becomes mandatory.
c#1	If <investmentCompanyType> is N-1A or N-2 or N-3 then the element becomes mandatory.  If <investmentCompanyType> is N-5 then the element becomes optional.  If <investmentCompanyType> is N-4 or N-6 or S-6 then the element becomes not applicable.
c#2	If <investmentCompanyType> is N-1A or N-3 then the element becomes mandatory.  If <investmentCompanyType> is N-2 then the element becomes optional.  If <investmentCompanyType> is N-4 or N-5 or N-6 or S-6 then the element becomes not applicable.
c#3	If <investmentCompanyType> is N-1A or N-3 and <numAuthorizedClass> is greater than or equal to 1 then the element becomes mandatory.  If <investmentCompanyType> is N-2 then the element becomes optional.  If <investmentCompanyType> is N-4 or N-5 or N-6 or S-6 then the element becomes not applicable.

Value	Description
c#4	<p>If &lt;investmentCompanyType&gt;is N-1A or N-2 or N-3 and “Exchange-Traded Fund” or “Exchange-Traded Managed Fund” was provided as one of the &lt;fundType&gt; in any of the &lt;managementInvestmentQuestion&gt; then the element becomes mandatory.</p> <p>If &lt;investmentCompanyType&gt;is N-1A or N-2 or N-3 and “Exchange-Traded Fund” or “Exchange-Traded Managed Fund” was not provided as one of the &lt;fundType&gt; in all of the &lt;managementInvestmentQuestion&gt; then the element becomes not applicable.</p> <p>If &lt;investmentCompanyType&gt;is S-6 then the element becomes optional.</p> <p>If &lt;investmentCompanyType&gt;is N-4or N-5 or N-6 then the element becomes not applicable.</p>
c#5	<p>If &lt;investmentCompanyType&gt;is N-5 then the element becomes mandatory.</p> <p>If &lt;investmentCompanyType&gt;is N-2 then the element becomes optional.</p> <p>If &lt;investmentCompanyType&gt; is N-1A or N-3 or N-4 or N-6 or S-6 then the element becomes not applicable.</p>
o	Optional.
o#1	<p>If &lt;investmentCompanyType&gt; is N-3, then the element becomes optional.</p> <p>It &lt;investmentCompanyType&gt; is N-1A or N-2 or N-4 or N-5 or N-6 or S-6 then the element becomes not applicable.</p>
o#2	<p>If &lt;investmentCompanyType&gt;is N-1A or N-3 then the element becomes optional.</p> <p>If &lt;investmentCompanyType&gt;is N-2 then the element becomes not applicable.</p>
o#3	<p>If &lt;investmentCompanyType&gt;is N-1A or N-3 and “Exchange-Traded Fund”, “Exchange-Traded Managed Fund” and “Money Market Fund” were not provided as one of the &lt;fundType&gt; in all of the &lt;managementInvestmentQuestion&gt; then this element becomes optional.</p> <p>If &lt;investmentCompanyType&gt;is N-1A or N-3 and “Exchange-Traded Fund” or “Exchange-Traded Managed Fund” or “Money Market Fund” was provided as one of the &lt;fundType&gt; in any of the &lt;managementInvestmentQuestion&gt; then this element becomes not applicable.</p> <p>If &lt;investmentCompanyType&gt;is N-2 then this element becomes not applicable.</p>
o#4	<p>If &lt;investmentCompanyType&gt;is N-5 then the element becomes optional.</p> <p>If &lt;investmentCompanyType&gt;is N-2 then the element becomes not applicable.</p>

Value	Description
o#5	<p>If &lt;investmentCompanyType&gt;is N-1A or N-2 or N-3 and “Exchange-Traded Fund” or “Exchange-Traded Managed Fund” was provided as one of the &lt;fundType&gt; in any of the &lt;managementInvestmentQuestion&gt; then the element becomes optional.</p> <p>If &lt;investmentCompanyType&gt;is S-6 then the element becomes optional.</p> <p>If &lt;investmentCompanyType&gt;is N-1A or N-2 or N-3 and “Exchange-Traded Fund” and “Exchange-Traded Managed Fund” were not provided as one of the &lt;fundType&gt; in all of the &lt;managementInvestmentQuestion&gt; then the element becomes not applicable.</p> <p>If &lt;investmentCompanyType&gt;is N-4 or N-5 or N-6 then the element becomes not applicable.</p>
o#6	<p>If &lt;investmentCompanyType&gt;is N-4 or N-6 or S-6 then the element beomes optional.</p> <p>If &lt;investmentCompanyType&gt;is N-1A or N-2 or N-3 or N-5 then the element becomes not applicable.</p>
o#7	<p>If &lt;divestments&gt; exists then this element becomes optional.</p> <p>If &lt;divestments&gt; does not exists then this element becomes not applicable.</p>
o#8	<p>If &lt;investmentCompanyType&gt;is N-2 or N-5 then the element beomes optional.</p> <p>If &lt;investmentCompanyType&gt;is N-1A or N-3 or N-4 or N-6 or S-6 then the element becomes not applicable.</p>
na	Does not apply to the submission type. EDGAR uses this field for server-side processing. Do not provide a value for this element.
na#1	If <assetType> is Other then the element becomes required. Other wise it it not applicable.
na#2	<p>If &lt;investmentCompanyType&gt;is N-1A or N-2 or N-3 then the element becomes mandatory.</p> <p>If &lt;investmentCompanyType&gt; is N-4 or or N-5 or N-6 or S-6 then the element becomes not applicable.</p>
na#3	<p>If &lt;fundType&gt; is “Money Market Fund” then the element becomes not applicable.</p> <p>If &lt;fundType&gt; is not “Money Market Fund” then the element becomes mandatory.</p>
na#4	<p>If &lt;investmentCompanyType&gt;is N-2 or N-5 then the element becomes mandatory.</p> <p>If &lt;investmentCompanyType&gt; is N-1A or N-3 or N-4 or N-6 or S-6 then the element becomes not applicable.</p>
na#5	<p>If &lt;investmentCompanyType&gt;is N-3 or N-4 or N-6 or S-6 then this element becomes mandatory.</p> <p>If &lt;investmentCompanyType&gt;is N-1A or N-2 or N-5 then the element becomes not applicable.</p>
na#6	<p>If &lt;investmentCompanyType&gt;is N-4 or N-6 or S-6 then this element becomes mandatory.</p> <p>If &lt;investmentCompanyType&gt;is N-1A or N-2 or N-3 or N-5 then the element becomes not applicable.</p>

### 3.4 Mapping of Form N-CEN Submission Schemas to Submission Type

Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
1	1	NV	edgarSubmission			m	m	1
2	1	String	schemaVersion	5		na	na	1
2	2	NV	headerData			m	m	1
3	1	NV	submissionType		<a href="#">SUBMISSION TYPE</a>	m	m	1
3	2	String	accessionNumber			na	m	1
3	3	NV	filerInfo			m	m	1
4	1	Boolean	liveTestFlag		"LIVE" or "TEST"	m	m	1
4	2	NV	filer			m	m	1
5	1	NV	issuerCredentials			m	m	1
6	1	String	cik	10		m	m	1
6	2	String	ccc	8		m	m	1
5	2	String	fileNumber	17		m#1	m#1	1
4	3	NV	contact			m	m	1
5	1	String	contactName	30		m	m	1
5	2	String	contactPhoneNumber	30		m	m	1
5	3	String	contactEmailAddress	30		m	m	1
4	4	NV	notifications			o	o	1
5	1	String	notificationEmailAddress	80		o	o	3
4	5	NV	flags			o	o	1
5	1	Boolean	returnCopyFlag		"true" or "false"	o	o	1
5	2	Boolean	overrideInternetFlag		"true" or "false"	o	o	1
5	3	Boolean	confirmingCopyFlag		"true" or "false"	o	o	1
4	6	String	investmentCompanyType		<a href="#">COMPANY CLASSIFICATION TYPE</a>	m	m	1
3	4	NV	seriesClass			m#2	m#2	1
4	1	NV	reportSeriesClass		CHOICE	m#	m#	1
5	1	Boolean	rptIncludeAllSeriesFlag		CHOICE "true"	m#	m#	1
5	1	NV	rptSeriesClassInfo		CHOICE	m#	m#	1000
6	1	String	seriesId		SERIES_ID_TYPE defined in eis_Common_SC.xsd	m	m	1
6	2	Boolean	includeAllClassesFlag		CHOICE "true"	m#	m#	1
6	2	NV	classInfo		CHOICE	m#	m#	1000
7	1	String	classId		CLASS_ID_TYPE	m	m	1

Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
					defined in eis_Common_SC.x sd			
4	1	NV	reportClass		CHOICE	m#	m#	1
5	1	Boolean	rptIncludeAllClassesFlag		CHOICE "true"	m#	m#	1
5	1	NV	classInfo		CHOICE	m#	m#	1000
6	1	String	classId		CLASS_ID_TYPE defined in eis_Common_SC.x sd	m	m	1
2	3	NV	formData			m	m	1
3	1	NV	generalInfo			m	m	1
3	1	attr date	reportEndingPeriod		YYYY-MM-DD	m	m	1
3	1	attr String	isReportPeriodLt12		<a href="#">YES_NO_TYPE</a>	m	m	1
3	2	NV	registrantInfo			m	m	1
4	1	String	registrantFullName	150		m	m	1
4	2	String	investmentCompFileNo	17		m	m	1
4	3	String	registrantCik	10		m	m	1
4	4	String	registrantLei	20		m	m	1
4	5	String	registrantstreet1	40		m	m	1
4	6	String	registrantstreet2	40		o	o	1
4	7	String	registrantcity	30		m	m	1
4	8	String	registrantzipCode	10		m	m	1
4	9	String	registrantstate		<a href="#">ISO STATE AND OUTLYING AREA _CODE USA</a>	m#3	m#3	1
4	10	String	registrantcountry		<a href="#">ISO COUNTRY C ODE</a>	m	m	1
4	11	String	registrantphoneNumber	20		m	m	1
4	12	NV	websites			m	m	1
5	1	NV	website			m	m	1000
5	1	attr String	webpage	150		m	m	1
4	13	NV	locationBooksRecords			m	m	1
5	1	NV	locationBooksRecord			m	m	1000
6	1	String	officeName	150		m	m	1
6	2	String	officeAddress1	40		m	m	1
6	3	String	officeAddress2	40		o	o	1
6	4	String	officeCity	30		m	m	1
6	5	NV	officeStateCountry		CHOICE	m	m	1
6	5	attr String	officeState		<a href="#">ISO STATE AND OUTLYING AREA _CODE USA</a>	m	m	1

Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
6	5	attr String	officeCountry		"US"	m	m	1
6	5	String	officeCountry		CHOICE <a href="#">ISO_FOREIGN_C OUNTRY_CODE</a>	m	m	1
6	6	String	officeRecordsZipCode	10		m	m	1
6	7	String	officePhone	20		m	m	1
6	8	String	booksRecordsDesc	5000		m	m	1
4	14	String	isRegistrantFirstFiling		<a href="#">YES_NO_TYPE</a>	m	m	1
4	15	String	isRegistrantLastFiling		<a href="#">YES_NO_TYPE</a>	m	m	1
4	16	NV	registrantFamilyInvComp		CHOICE	m	m	1
4	16	attr String	isRegistrantFamilyInvComp		"Y"	m	m	1
4	16	attr String	familyInvCompFullName	150		m	m	1
4	16	String	isRegistrantFamilyInvComp		CHOICE "N"	m	m	1
4	17	String	registrantClassificationType		<a href="#">COMPANY_CLAS SIFICATION_TYP E</a>	m#4	m#4	1
4	18	integer	totalSeries	5		m#5	m#5	1
4	19	NV	terminatedSeries			o#1	o#1	1
5	1	NV	terminatedSeriesInfo			m#	m#	1000
5	1	attr String	seriesName	150		m	m	1
5	2	attr String	seriesId	10	SERIES_ID_NA_T YPE defined in eis_Common_SC.x sd	m	m	1
5	3	attr String	terminationDate	10		m	m	1
4	20	String	isSecuritiesActRegistration		<a href="#">YES_NO_TYPE</a>	m	m	1
4	21	NV	directors			m#6	m#6	1
5	1	NV	director			m#	m#	1000
6	1	String	directorName	150		m	m	1
6	2	String	crdNumber	9		m	m	1
6	3	String	isDirectorInterestedPerson		<a href="#">YES_NO_TYPE</a>	m	m	1
6	4	NV	fileNumbers			m	m	1
7	1	NV	fileNumberInfo			m	m	1000
7	1	attr String	fileNumber	17		m	m	1
4	22	NV	chiefComplianceOfficers			m	m	1
5	1	NV	chiefComplianceOfficer			m	m	1000
6	1	String	ccoName	150		m	m	1
6	2	String	crdNumber	9		m	m	1
6	3	String	ccoStreet1	40		m	m	1

Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
6	4	String	ccoStreet2	40		o	o	1
6	5	String	ccoCity	30		m	m	1
6	6	NV	ccoStateCountry		CHOICE	m	m	1
6	6	attr String	ccoState		<a href="#">ISO STATE AND OUTLYING AREA _CODE USA</a>	m	m	1
6	6	attr String	ccoCountry		"US"	m	m	1
6	6	String	ccoCountry		CHOICE <a href="#">ISO FOREIGN C OUNTRY CODE</a>	m	m	1
6	7	String	ccoZipCode	10		m	m	1
6	8	String	ccoPhone	20		m	m	1
6	9	String	isCcoChangedSinceLastFiling		<a href="#">YES_NO_TYPE</a>	m	m	1
6	10	NV	ccoEmployers			m	m	1
7	1	NV	ccoEmployer			m	m	1000
7	1	String	ccoEmployerName	150		m	m	1
7	1	String	ccoEmployerId	10		m	m	1
4	23	String	isRegistrantSubmittedMatter		CHOICE "N"	m	m	1
4	23	NV	securityMatterSeriesInfo		CHOICE	m	m	1
4	23	attr String	isRegistrantSubmittedMatter		"Y"	m	m	1
5	1	NV	seriesInfo			m	m	1000
5	1	attr String	seriesName	150		m	m	1
5	1	attr String	seriesId	10	SERIES_ID_NA_T YPE defined in eis_Common_SC.x sd	m	m	1
4	24	String	isPreviousLegalProceeding		CHOICE "N"	m	m	1
4	24	NV	legalProceedingSeriesInfo		CHOICE	m	m	1
4	24	attr String	isPreviousLegalProceeding		"Y"	m	m	1
5	1	NV	seriesInfo			m	m	1000
5	1	String	seriesName	150		m	m	1
5	1	String	seriesId	10	SERIES_ID_NA_T YPE defined in eis_Common_SC.x sd	m	m	1
4	25	String	isPreviousProceedingTerminated		CHOICE "N"	m	m	1
4	25	NV	previousProceedingTerminated		CHOICE	m	m	1
4	25	attr String	isPreviousProceedingTerminated		"Y"	m	m	1
5	1	NV	seriesInfo			m	m	1000
5	1	attr	seriesName	150		m	m	1

Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
		String						
5	1	attr String	seriesId	10	SERIES_ID_NA_T YPE defined in eis_Common_SC.x sd	m	m	1
4	26	String	isClaimFiled		CHOICE "N"	m#6	m#6	1
4	26	NV	claimFiled		CHOICE	m#6	m#6	1
4	26	attr String	isClaimFiled		"Y"	m	m	1
4	26	attr Decimal	totalClaimAmount	36, 12		m	m	1
4	27	String	isCoveredByInsurancePolicy		CHOICE "N"	m#6	m#6	1
4	27	NV	coveredByInsurancePolicy		CHOICE	m#6	m#6	1
4	27	attr String	isCoveredByInsurancePolicy		"Y"	m	m	1
4	27	attr String	isClaimFiledDuringPeriod		<a href="#">YES_NO_TYPE</a>	m	m	1
4	28	String	isFinancialSupportDuringPeriod		CHOICE "N"	m	m	1
4	28	NV	financialSupportSeriesInfo		CHOICE	m	m	1
4	28	attr String	isFinancialSupportDuringPeriod		"Y"	m	m	1
5	1	NV	seriesInfo			m	m	1000
5	1	attr String	seriesName	150		m	m	1
5	1	attr String	seriesId	10	SERIES_ID_NA_T YPE defined in eis_Common_SC.x sd	m	m	1
4	29	String	isExemptionFromAct		CHOICE "N"	m	m	1
4	29	NV	releaseNumbers		CHOICE	m	m	1
4	29	attr String	isExemptionFromAct		"Y"	m	m	1
5	1	NV	releaseNumberInfo			m	m	1000
5	1	attr String	releaseNumber	20		m	m	1
4	30	NV	principalUnderwriters			o	o	1
5	1	NV	principalUnderwriter			m#	m#	1000
6	1	String	principalUnderwriterName	150		m	m	1
6	2	String	principalUnderwriterFileNumber	17		m	m	1
6	3	String	principalUnderwriterCrdNumber	9		m	m	1
6	4	String	principalUnderwriterLei	20		m	m	1
6	5	NV	principalUnderWriterStateCountry		CHOICE	m	m	1
6	5	attr String	principalUnderWriterState		<a href="#">ISO STATE AND OUTLYING AREA CODE USA</a>	m	m	1



Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
6	5	attr String	principalUnderWriterCountry		"US"	m	m	1
6	5	String	principalUnderWriterCountry		CHOICE <a href="#">ISO_FOREIGN_C OUNTRY_CODE</a>	m	m	1
6	6	String	isPrincipalUnderwriterAffiliatedWithRegi strant		<a href="#">YES_NO_TYPE</a>	m	m	1
4	31	String	isUnderwriterHiredOrTerminated		<a href="#">YES_NO_TYPE</a>	m	m	1
4	32	NV	publicAccountants			m	m	1
5	1	NV	publicAccountant			m	m	1000
6	1	String	publicAccountantName	150		m	m	1
6	2	String	pcaobNumber	20		m	m	1
6	3	String	publicAccountantLei	20	LEI_TYPE_RSS_N A defined in eis_NCEN_Commo n.xsd	m	m	1
6	4	NV	publicAccountantStateCountry		CHOICE	m	m	1
6	4	Attr String	publicAccountantState		<a href="#">ISO_STATE_AND OUTLYING_AREA CODE_USA</a>	m	m	1
6	4	attr String	publicAccountantCountry		"US"	m	m	1
6	4	String	publicAccountantCountry		CHOICE <a href="#">ISO_FOREIGN_C OUNTRY_CODE</a>	m	m	1
4	33	String	isPublicAccountantChanged		<a href="#">YES_NO_TYPE</a>	m	m	1
4	34	String	isMaterialWeakness		<a href="#">YES_NO_TYPE</a>	c#1	c#1	1
4	35	String	isOpinionOffered		CHOICE "N"	m	m	1
4	35	NV	auditOpinionSeries		CHOICE	m	m	1
4	35	attr String	isOpinionOffered		"Y"	m	m	1
5	1	NV	seriesInfo			m	m	1000
5	1	attr String	seriesName	150		m	m	1
5	1	attr String	seriesId	10	SERIES_ID_NA_T YPE defined in eis_Common_SC.x sd	m	m	1
4	36	String	isMaterialChange		CHOICE "N"	m	m	1
4	36	NV	valuationMethodsChanges		CHOICE	m	m	1
4	36	attr String	isMaterialChange		"Y"	m	m	1
5	1	NV	valuationMethodsChange			m	m	1000
6	1	date	dateOfChange			m	m	1
6	2	String	changeExplanation	5000		m	m	1
6	3	String	assetType		<a href="#">ASSET_TYPE</a>	m	m	1
6	4	String	assetTypeOtherDesc	5000		na#1	na#1	1

Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
6	5	String	investmentType	5000		m	m	1
6	6	String	statutoryRegulatoryBasis	5000		m	m	1
6	7	NV	valuationMethodsChangeSeries			m	m	1
7	1	NV	seriesInfo			o	o	1000
7	1	attr String	seriesName	150		m	m	1
7	1	attr String	seriesId	10	SERIES_ID_NA_T YPE defined in eis_Common_SC.x sd	m	m	1
4	37	String	isAccountingPrincipleChange		<a href="#">YES_NO_TYPE</a>	m	m	1
4	38	String	isPaymentErrorInNetAssetValue		CHOICE "N"	m#7	m#7	1
4	38	NV	paymentErrorSeries		CHOICE	m#7	m#7	1
4	38	attr String	isPaymentErrorInNetAssetValue		"Y"	m	m	1
5	1	NV	seriesInfo			m	m	1000
5	1	attr String	seriesName	150		m	m	1
5	1	attr String	seriesId	10	SERIES_ID_NA_T YPE defined in eis_Common_SC.x sd	m	m	1
4	39	String	isPaymentDividend		CHOICE "N"	m#6	m#6	1
4	39	NV	paymentDividendSeries		CHOICE	m#6	m#6	1
4	39	attr String	isPaymentDividend		"Y"	m	m	1
5	1	NV	seriesInfo			m	m	1000
5	1	attr String	seriesName	150		m	m	1
5	1	attr String	seriesId	10	SERIES_ID_NA_T YPE defined in eis_Common_SC.x sd	m	m	1
3	3	NV	managementInvestmentQuestionSeriesI nfo			na#2	na#2	1
4	1	NV	managementInvestmentQuestion			m#	m#	1000
5	1	String	mgmtInvFundName	150		m	m	1
5	2	String	mgmtInvSeriesId	10	SERIES_ID_TYPE defined in eis_Common_SC.x sd	c#2	c#2	1
5	3	String	mgmtInvLei	20		m	m	1
5	4	String	isFirstFilingByFund		<a href="#">YES_NO_TYPE</a>	m	m	1
5	5	integer	numAuthorizedClass	5		c#2	c#2	1
5	6	integer	numAddedClass	5		c#2	c#2	1

Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
5	7	integer	numTerminatedClass	5		c#2	c#2	1
5	8	NV	sharesOutstandings			c#3	c#3	1
6	1	NV	sharesOutstanding			m#	m#	1000
6	1	attr String	sharesOutstandingClassName	150		m	m	1
6	1	attr String	sharesOutstandingClassId	10	CLASS_ID_TYPE defined in eis_Common_SC.xsd	m	m	1
6	1	attr String	sharesOutstandingTickerSymbol	12		m	m	1
5	9	NV	fundTypes		CHOICE	m#	m#	1
6	1	String	fundType		<a href="#">FUND_TYPE</a>	m#22	m#22	7
6	2	NV	indexFundInfo			m#23	m#23	1
6	2	attr String	fundType		"Index Fund"	m#	m#	1
7	1	String	isIndexFundAffiliated		<a href="#">YES_NO_TYPE</a>	m	m	1
7	2	String	isIndexFundExclusive		<a href="#">YES_NO_TYPE</a>	m	m	1
7	3	Decimal	indexFundReturnDiffBeforeExpense	36, 12		m	m	1
7	4	Decimal	indexFundReturnDiffAfterExpense	36, 12		m	m	1
7	5	Decimal	indexFundReturnDailyStdevBeforeExpense	36, 12	NO NEG	m	m	1
7	6	Decimal	indexFundReturnDailyStdevAfterExpense	36, 12	NO NEG	m	m	1
6	3	NV	masterFeederFundInfo			m#24	m#24	1
6	3	attr String	fundType		"Master-Feeder Fund"	m#	m#	1
7	1	NV	feederFunds			m	m	1000
7	1	attr String	feederFundName	150		m	m	1
7	1	attr String	regFeederFundFileNo	17	FILE_NUMBER_TYPE defined in eis_Common.xsd	m	m	1
7	1	attr String	regFeederFundSeriesIdNo	10	SERIES_ID_NA_TYPE defined in eis_Common_SC.xsd	m	m	1
7	1	attr String	regFeederFundLei	20	LEI_TYPE_RSS_NA defined in eis_NCEN_Common.xsd	m	m	1
7	1	attr String	unregFeederFileNo	17	FILE_NUMBER_TYPE_WITH_NA defined in eis_NCEN_Common.xsd	m	m	1
7	1	attr String	unregFeederFundLei	20	LEI_TYPE_RSS_NA	m	m	1

Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
					defined in eis_NCEN_Common.xsd			
7	2	NV	masterFunds			m	m	1000
7	2	attr String	masterFundName	150		m	m	1
7	2	attr String	masterFundFileNo	17		m	m	1
7	2	attr String	masterFundSECFileNo	17	FILE_NUMBER_TYPE_WITH_NA defined in eis_NCEN_Common.xsd	m	m	1
7	2	attr String	masterFundLei	20		m	m	1
5	9	String	fundType		CHOICE "N/A"	m#	m#	1
5	10	String	isNonDiversifiedCompany		<a href="#">YES_NO_TYPE</a>	m#	m#	1
5	11	String	isForeignSubsidiary		CHOICE "N"	m#	m#	1
5	11	NV	foreignInvestments		CHOICE	m#	m#	1
5	11	attr String	isForeignSubsidiary		"Y"	m	m	1
6	1	NV	foreignInvestment			m	m	1000
6	1	attr String	foreignSubsidiaryName	150		m	m	1
6	1	attr String	foreignSubsidiaryLei	20	LEI_TYPE_RSS_NA defined in eis_NCEN_Common.xsd	m	m	1
5	12	String	isFundSecuritiesLending		<a href="#">YES_NO_TYPE</a>	m#	m#	1
5	13	String	didFundLendSecurities		CHOICE "N"	m#	m#	1
5	13	NV	fundLendSecurities		CHOICE	m#	m#	1
5	13	attr String	didFundLendSecurities		"Y"	m	m	1
6	1	String	isFundLiquidated		<a href="#">YES_NO_TYPE</a>	m	m	1
6	2	String	isFundAdverselyImpacted		<a href="#">YES_NO_TYPE</a>	m	m	1
5	14	NV	securityLendings			o	o	1
6	1	NV	securityLending			m#	m#	1000
7	1	String	securitiesAgentName	150		m	m	1
7	2	String	securitiesAgentLei	20	LEI_TYPE_RSS_NA defined in eis_NCEN_Common.xsd	m	m	1
7	3	String	isSecuritiesAgentAffiliated		<a href="#">YES_NO_TYPE</a>	m	m	1
7	4	NV	securityAgentIdemnty		CHOICE	m	m	1
7	4	attr String	isSecurityAgentIdemnty		"Y"	m	m	1

Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
8	1	NV	idemnityProviders			m	m	1
9	1	NV	idemnityProvider			m	m	1000
9	1	attr String	idemnityProviderName	150		m	m	1
9	1	attr String	idemnityProviderLei	20	LEI_TYPE_RSS_N A defined in eis_NCEN_Commo n.xsd	m	m	1
8	1	String	didIndemnificationRights		<a href="#">YES_NO_TYPE</a>	m	m	1
7	4	String	isSecurityAgentIdemnity		CHOICE "N"	m	m	1
5	15	NV	collateralManagers			o	o	1
6	1	NV	collateralManager			m#	m#	1000
6	1	attr String	collateralManagerName	150		m	m	1
6	1	attr String	collateralManagerLei	20	LEI_TYPE_RSS_N A defined in eis_NCEN_Commo n.xsd	m	m	1
6	1	attr String	isCollateralManagerAffiliated		<a href="#">YES_NO_TYPE</a>	m	m	1
6	1	attr String	isCollateralManagerAffiliatedWithFund		<a href="#">YES_NO_TYPE</a>	m	m	1
5	16	NV	paymentToAgentManagers		CHOICE	m#	m#	1
6	1	String	paymentToAgentManagerType		<a href="#">PAYMENT_TO_A GENT_MANAGER _TYPE</a>	m	m	6
6	2	String	otherFeeDesc	5000		m#8	m#8	1
5	16	String	paymentToAgentManagerType		CHOICE "N/A"	m#	m#	1
5	17	Decimal	avgPortfolioSecuritiesValue	36, 12		m#	m#	1
5	18	Decimal	netIncomeSecuritiesLending	36, 12		m#	m#	1
5	19	NV	relyOnRuleTypes		CHOICE	m#	m#	1
6	1	String	relyOnRuleType		<a href="#">RELY_ON_RULE _TYPE</a>	m	m	10
5	19	String	relyOnRuleType		CHOICE "N/A"	m#	m#	1
5	20	String	isExpenseLimitationInPlace		<a href="#">YES_NO_TYPE</a>	m#	m#	1
5	21	String	isExpenseReducedOrWaived		<a href="#">YES_NO_TYPE</a>	m#	m#	1
5	22	String	isFeesWaivedRecoupable		<a href="#">YES_NO_TYPE</a>	m#	m#	1
5	23	String	isExpenseWaivedRecoupable		<a href="#">YES_NO_TYPE</a>	m#	m#	1
5	24	NV	investmentAdvisers			o	o	1
6	1	NV	investmentAdviser			m#	m#	1000
7	1	String	investmentAdviserName	150		m	m	1
7	2	String	investmentAdviserFileNo	17	FILE_NUMBER_T YPE defined in eis_Common.xsd	m	m	1

Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
7	3	String	investmentAdviserCrdNo	9	CRD_NUMBER_T YPE defined in eis_NCEN_Commo n.xsd	m	m	1
7	4	String	investmentAdviserLei	20	LEI_TYPE_RSS_N A defined in eis_NCEN_Commo n.xsd	m	m	1
7	5	NV	investmentAdviserStateCountry		CHOICE	m	m	1
7	5	attr String	investmentAdviserState		<a href="#">ISO STATE AND OUTLYING AREA _CODE USA</a>	m	m	1
7	5	attr String	investmentAdviserCountry		"US"	m	m	1
7	5	String	investmentAdviserCountry		CHOICE <a href="#">ISO FOREIGN C OUNTRY CODE</a>	m	m	1
7	6	NV	investmentAdviserHired		CHOICE	m	m	1
7	6	attr String	isInvestmentAdviserHired		"Y"	m	m	1
8	1	date	investmentAdviserStartDate		YYYY-MM-DD	m	m	1
7	6	String	isInvestmentAdviserHired		CHOICE "N"	m	m	1
5	25	NV	investmentAdvisersTerminated			o	o	1
6	1	NV	investmentAdviserTerminated			m#	m#	1000
7	1	String	investmentAdviserTerminatedName	150		m	m	1
7	2	String	investAdviserTerminatedFileNo	17	FILE_NUMBER_T YPE defined in eis_Common.xsd	m	m	1
7	3	String	investAdviserTerminatedCrdNo	9	CRD_NUMBER_T YPE defined in eis_NCEN_Commo n.xsd	m	m	1
7	4	String	investAdviserTerminatedLei	20	LEI_TYPE_RSS_N A defined in eis_NCEN_Commo n.xsd	m	m	1
7	5	NV	investmentAdviserTerminatedStateCountry		CHOICE	m	m	1
7	5	attr String	investmentAdviserTerminatedState		<a href="#">ISO STATE AND OUTLYING AREA _CODE USA</a>	m	m	1
7	5	attr String	investmentAdviserTerminatedCountry		"US"	m	m	1
7	5	String	investmentAdviserTerminatedCountry		CHOICE <a href="#">ISO FOREIGN C OUNTRY CODE</a>	m	m	1
7	6	date	investAdviserTerminationDate		YYYY-MM-DD	m	m	1
5	26	NV	subAdvisers			o	o	1

Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
6	1	NV	subAdviser			m#	m#	1000
7	1	String	subAdviserName	150		m	m	1
7	2	String	subAdviserFileNo	17	FILE_NUMBER_T YPE defined in eis_Common.xsd	m	m	1
7	3	String	subAdviserCrdNo	9	CRD_NUMBER_T YPE defined in eis_NCEN_Commo n.xsd	m	m	1
7	4	String	subAdviserLei	20	LEI_TYPE_RSS_N A defined in eis_NCEN_Commo n.xsd	m	m	1
7	5	String	isSubAdviserAffiliated		<a href="#">YES_NO_TYPE</a>	m	m	1
7	6	NV	subAdviserStateCountry		CHOICE	m	m	1
7	6	attr String	subAdviserState		<a href="#">ISO STATE AND OUTLYING AREA CODE USA</a>	m	m	1
7	6	attr String	subAdviserCountry		"US"	m	m	1
7	6	String	subAdviserCountry		CHOICE <a href="#">ISO FOREIGN C OUNTRY CODE</a>	m	m	1
7	7	NV	subAdviserHired		CHOICE	m	m	1
7	7	attr String	isSubAdviserHired		"Y"	m	m	1
7	7	attr date	subAdviserStartDate		YYYY-MM-DD	m	m	1
7	7	String	isSubAdviserHired		CHOICE "N"	m	m	1
5	27	NV	subAdvisersTerminated			o	o	1
6	1	NV	subAdviserTerminated			m#	m#	1000
7	1	String	subAdviserTerminatedName	150		m	m	1
7	2	String	subAdviserTerminatedFileNo	17	FILE_NUMBER_T YPE defined in eis_Common.xsd	m	m	1
7	3	String	subAdviserTerminatedCrdNo	9	CRD_NUMBER_T YPE defined in eis_NCEN_Commo n.xsd	m	m	1
7	4	String	subAdviserTerminatedLei	20	LEI_TYPE_RSS_N A defined in eis_NCEN_Commo n.xsd	m	m	1
7	5	NV	subAdviserTerminatedStateCountry		CHOICE	m	m	1
7	5	attr String	subAdviserTerminatedState		<a href="#">ISO STATE AND OUTLYING AREA</a>	m	m	1

Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
					<a href="#">CODE USA</a>			
7	5	attr String	subAdviserTerminatedCountry		"US"	m	m	1
7	5	String	subAdviserTerminatedCountry		CHOICE	m	m	1
7	6	date	subAdviserTerminationDate			m	m	1
5	28	NV	transferAgents			o	o	1
6	1	NV	transferAgent			m#	m#	1000
7	1	String	transferAgentName	150		m	m	1
7	2	String	transferAgentFileNo	17		m	m	1
7	3	String	transferAgentLei	20		m	m	1
7	4	NV	transferAgentStateCountry		CHOICE	m	m	1
7	4	attr String	transferAgentState		<a href="#">ISO STATE AND OUTLYING AREA CODE USA</a>	m	m	1
7	4	attr String	transferAgentCountry		"US"	m	m	1
7	4	String	transferAgentCountry		CHOICE <a href="#">ISO FOREIGN COUNTRY CODE</a>	m	m	1
7	5	String	isTransferAgentAffiliated		<a href="#">YES_NO_TYPE</a>	m	m	1
7	6	String	isTransferAgentSubAgent		<a href="#">YES_NO_TYPE</a>	m	m	1
5	29	String	isTransferAgentHiredOrTerminated		<a href="#">YES_NO_TYPE</a>	m#	m#	1
5	30	NV	pricingServices			o	o	1
6	1	NV	pricingService			m#	m#	1000
7	1	String	pricingServiceName	150		m	m	1
7	2	String	pricingServiceLei	100		m	m	1
7	3	String	pricingServiceIdNumberDesc	500		o	o	1
7	4	NV	pricingServiceStateCountry		CHOICE	m	m	1
7	4	String	pricingServiceState		<a href="#">ISO STATE AND OUTLYING AREA CODE USA</a>	m	m	1
7	4	String	pricingServiceCountry		"US"	m	m	1
7	4	String	pricingServiceCountry		CHOICE <a href="#">ISO FOREIGN COUNTRY CODE</a>	m	m	1
7	5	String	isPricingServiceAffiliated		<a href="#">YES_NO_TYPE</a>	m	m	1
5	31	String	isPricingServiceHiredOrTerminated		<a href="#">YES_NO_TYPE</a>	m	m	1
5	32	NV	custodians			m#	m#	1
6	1	NV	custodian			m	m	1000
7	1	String	custodianName	150		m	m	1
7	2	String	custodianLei	20	LEI_TYPE_RSS_N A defined in eis_NCEN_Common.xsd	m	m	1



Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
7	3	NV	custodianStateCountry		CHOICE	m	m	1
7	3	attr String	custodianState		<a href="#">ISO STATE AND OUTLYING AREA CODE USA</a>	m	m	1
7	3	attr String	custodianCountry		"US"	m	m	1
7	3	String	custodianCountry		CHOICE <a href="#">ISO FOREIGN COUNTRY CODE</a>	m	m	1
7	4	String	isCustodianAffiliated		<a href="#">YES_NO_TYPE</a>	m	m	1
7	5	String	isSubCustodian		<a href="#">YES_NO_TYPE</a>	m	m	1
7	6	String	custodyType		<a href="#">CUSTODY_TYPE</a>	m	m	1
7	7	String	otherCustodianDesc	5000		m#9	m#9	1
5	33	String	isCustodianHiredOrTerminated		<a href="#">YES_NO_TYPE</a>	m#	m#	1
5	34	NV	shareholderServicingAgents			o	o	1
6	1	NV	shareholderServicingAgent			m#	m#	1000
7	1	String	shareholderServiceAgentName	150		m	m	1
7	2	String	shareholderServiceAgentLei	100		m	m	1
7	3	String	shareholderServiceIdNumberDesc	500		o	o	1
7	4	NV	shareholderServiceAgentStateCountry		CHOICE	m	m	1
7	4	String	shareholderServiceAgentState		<a href="#">ISO STATE AND OUTLYING AREA CODE USA</a>	m	m	1
7	4	String	shareholderServiceAgentCountry		"US"	m	m	1
7	4	String	shareholderServiceAgentCountry		CHOICE <a href="#">ISO FOREIGN COUNTRY CODE</a>	m	m	1
7	5	String	isShareholderServiceAgentAffiliated		<a href="#">YES_NO_TYPE</a>	m	m	1
7	6	String	isShareholderServiceAgentSubshare		<a href="#">YES_NO_TYPE</a>	m	m	1
5	35	String	isShareholderServiceHiredTerminated		<a href="#">YES_NO_TYPE</a>	m#	m#	1
5	36	NV	admins			o	o	1
6	1	NV	admin			m#	m#	1000
7	1	String	adminName	150		m	m	1
7	2	String	adminLei	100		m	m	1
7	3	String	idNumberDesc	500		o	o	1
7	4	NV	adminStateCountry		CHOICE	m	m	1
7	4	attr String	adminState		<a href="#">ISO STATE AND OUTLYING AREA CODE USA</a>	m	m	1
7	4	attr String	adminCountry		"US"	m	m	1
7	4	String	adminCountry		CHOICE <a href="#">ISO FOREIGN COUNTRY CODE</a>	m	m	1
7	5	String	isAdminAffiliated		<a href="#">YES_NO_TYPE</a>	m	m	1
7	6	String	isAdminSubAdmin		<a href="#">YES_NO_TYPE</a>	m	m	1

Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
5	37	String	isAdminHiredOrTerminated		<a href="#">YES_NO_TYPE</a>	m#	m#	1
5	38	NV	brokerDealers			o	o	1
6	1	NV	brokerDealer			m#	m#	1000
7	1	String	brokerDealerName	150		m	m	1
7	2	String	brokerDealerFileNo	17	FILE_NUMBER_T YPE defined in eis_Common.xsd	m	m	1
7	3	String	brokerDealerCrdNo	9	CRD_NUMBER_T YPE defined in eis_NCEN_Commo n.xsd	m	m	1
7	4	String	brokerDealerLei	20	LEI_TYPE_RSS_N A defined in eis_NCEN_Commo n.xsd	m	m	1
7	5	NV	brokerDealerStateCountry		CHOICE	m	m	1
7	5	attr String	brokerDealerState		<a href="#">ISO STATE AND OUTLYING AREA _CODE USA</a>	m	m	1
7	5	attr String	brokerDealerCountry		"US"	m	m	1
7	5	String	brokerDealerCountry		CHOICE <a href="#">ISO FOREIGN C OUNTRY CODE</a>	m	m	1
7	6	Decimal	brokerDealerCommission	36, 12		m	m	1
5	39	NV	brokers			o	o	1
6	1	NV	broker			m#	m#	10
7	1	String	brokerName	150		m	m	1
7	2	String	brokerFileNo	17	FILE_NUMBER_T YPE defined in eis_Common.xsd	m	m	1
7	3	String	brokerCrdNo	9	CRD_NUMBER_T YPE defined in eis_NCEN_Commo n.xsd	m	m	1
7	4	String	brokerLei	20	LEI_TYPE_RSS_N A defined in eis_NCEN_Commo n.xsd	m	m	1
7	5	NV	brokerStateCountry		CHOICE	m	m	1
7	5	attr String	brokerState		<a href="#">ISO STATE AND OUTLYING AREA _CODE USA</a>	m	m	1
7	5	attr String	brokerCountry		"US"	m	m	1
7	5	String	brokerCountry		CHOICE	m	m	1

Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
					<a href="#">ISO FOREIGN COUNTRY CODE</a>			
7	6	Decimal	grossCommission	36, 12		m	m	1
5	40	Decimal	aggregateCommission	36, 12		m#	m#	1
5	41	NV	principalTransactions			o	o	1
6	1	NV	principalTransaction			m#	m#	10
7	1	String	principalName	150		m	m	1
7	2	String	principalFileNo	17	FILE_NUMBER_TYPE defined in eis_Common.xsd	m	m	1
7	3	String	principalCrdNo	9	CRD_NUMBER_TYPE defined in eis_NCEN_Common.xsd	m	m	1
7	4	String	principalLei	20	LEI_TYPE_RSS_NA defined in eis_NCEN_Common.xsd	m	m	1
7	5	NV	principalStateCountry		CHOICE	m	m	1
7	5	String	principalState		<a href="#">ISO STATE AND OUTLYING AREA CODE USA</a>	m	m	1
7	5	String	principalCountry		"US"	m	m	1
7	5	String	principalCountry		CHOICE <a href="#">ISO FOREIGN COUNTRY CODE</a>	m	m	1
7	6	Decimal	principalTotalPurchaseSale	36, 12		m	m	1
5	42	Decimal	principalAggregatePurchase	36, 12		m#	m#	1
5	43	String	isBrokerageResearchPayment		<a href="#">YES_NO TYPE</a>	m#	m#	1
5	44	Decimal	mnthlyAvgNetAssets	36, 12		na#3	na#3	1
5	45	Decimal	dailyAvgNetAssets	36, 12		m#10	m#10	1
5	46	String	hasLineOfCredit		CHOICE "N"	o#2	o#2	1
5	46	NV	lineOfCredit		CHOICE	o#2	o#2	1
5	46	attr String	hasLineOfCredit		"Y"	m	m	1
6	1	NV	lineOfCreditDetails			m	m	1
7	1	NV	lineOfCreditDetail			m	m	1000
8	1	String	isCreditLineCommitted		<a href="#">CREDIT LINE COMMITTED TYPE</a>	m	m	1
8	2	Decimal	lineOfCreditSize	36, 12		m	m	1
8	3	NV	lineOfCreditInstitutions			m	m	1
9	1	NV	lineOfCreditInstitution			m	m	1000
9	1	attr String	creditInstitutionName			m	m	1

Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
8	4	NV	soleCreditType		CHOICE	m	m	1
8	4	attr String	creditType		"Sole"	m	m	1
8	4	NV	sharedCreditType		CHOICE	m	m	1
8	4	attr String	creditType		"Shared"	m	m	1
9	1	NV	creditUser			m	m	1000
9	1	attr String	fundName	150		m	m	1
9	1	attr String	secFileNo	17		m	m	1
8	5	String	isCreditLineUsed		<a href="#">YES_NO_TYPE</a>	m	m	1
8	6	Decimal	averageCreditLineUsed	36, 12		m	m	1
8	7	integer	daysCreditUsed	5		m	m	1
5	47	String	isInterfundLending		CHOICE "N"	m#25	m#25	1
5	47	NV	interfundLendingDetails		CHOICE	m#25	m#25	1
5	47	attr String	isInterfundLending		"Y"	m	m	1
6	1	NV	interfundLending			m	m	1000
6	1	attr Decimal	interfundLendingLoanAverage	36, 12		m	m	1
6	1	attr integer	interfundLendingDaysOutstanding	5		m	m	1
5	48	String	isInterfundBorrowing		CHOICE "N"	m#25	m#25	1
5	48	NV	interfundBorrowingDetails		CHOICE	m#25	m#25	1
5	48	attr String	isInterfundBorrowing		"Y"	m	m	1
6	1	NV	interfundBorrowing			m	m	1000
6	1	attr	interfundBorrowingLoanAverage	36, 12		m	m	1
6	1	attr	interfundBorrowingDaysOutstanding	5		m	m	1
5	49	String	isSwingPricing		CHOICE "N"	o#3	o#3	1
5	49	NV	swingPricingDetail		CHOICE	o#3	o#3	1
5	49	attr String	isSwingPricing		"Y"	m	m	1
5	49	attr Decimal	swingUpperLimit	36, 12		m	m	1
3	4	NV	closedEndManagementInvestment			na#4	na#4	1
4	1	NV	securityRelatedItems			m#1	m#1	1
5	1	NV	securityRelatedItem			m#	m#	1000
6	1	NV	description		<a href="#">SECURITY_TYPE</a>	m	m	1
6	2	String	securityClassTitle			m	m	1
6	3	NV	commonStocks			m	m	1
7	1	NV	commonStock			m	m	1000
7	1	attr String	commonStockExchange		<a href="#">ISO_EXCHANGE_CODE</a>	m	m	1

Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
7	1	attr String	commonStockTickerSymbol	12		m	m	1
6	4	String	otherSecurityDescription	5000		m#11	m#11	1
4	2	String	isRightsOffering		CHOICE "N"	m#	m#	1
4	2	NV	rightsOfferingFunds		CHOICE	m#	m#	1
4	2	attr String	isRightsOffering		"Y"	m	m	1
5	1	NV	rightsOfferingFund			m	m	1000
6	1	NV	rightsOfferingTypes			m	m	1
7	1	NV	rightsOfferingType		<a href="#">SECURITY_TYPE</a>	m	m	6
7	2	String	rightsOfferingDesc	5000		m#12	m#12	1
6	2	Decimal	rightsOfferingParticipationPercent	36, 12		m	m	1
4	3	String	isSecondaryOffering		CHOICE "N"	m#	m#	1
4	3	NV	secondaryOfferings		CHOICE	m#	m#	1
4	3	attr String	isSecondaryOffering		"Y"	m	m	1
5	1	String	secondaryOfferingType		<a href="#">SECURITY_TYPE</a>	m	m	6
5	2	String	otherSecondaryOfferingDesc	5000		m#13	m#13	1
4	4	NV	repurchaseSecurities		CHOICE	m#	m#	1
4	4	attr String	isRepurchaseSecurity		"Y"	m	m	1
5	1	String	repurchaseSecurityType		<a href="#">SECURITY_TYPE</a>	m#	m#	6
5	2	String	otherRepurchaseSecurityDesc	5000		m#14	m#14	1
4	4	String	isRepurchaseSecurity		CHOICE "N"	m#	m#	1
4	5	NV	longTermDebtDefault		CHOICE	m#	m#	1
4	5	attr String	isDefaultLongTermDebt		"Y"	m	m	1
5	1	NV	longTermDebtDefaults			m	m	1
6	1	NV	longTermDebtDefault			m	m	1000
6	1	attr String	defaultNature	5000		m	m	1
6	1	attr date	defaultDate		YYYY-MM-DD	m	m	1
6	1	attr Decimal	defaultPerThousandAmount	36, 12		m	m	1
6	1	attr Decimal	defaultTotalAmount	36, 12		m	m	1
4	5	String	isDefaultLongTermDebt		CHOICE "N"	m#	m#	1
4	6	NV	divdlnArrears		CHOICE	m#	m#	1
4	6	String attr	isDividendslnArrears		"Y"	m	m	1
5	1	NV	dividendslnArrears			m	m	1
6	1	NV	dividendslnArrear			m	m	1000
6	1	attr String	dividendIssueTitle	150		m	m	1

Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
6	1	attr Decimal	dividendAmountPerShareInArrear	36, 12		m	m	1
4	6	String	isDividendsInArrears		CHOICE "N"	m#	m#	1
4	7	String	isSecuritiesModified		<a href="#">YES_NO_TYPE</a>	m#	m#	1
4	8	Decimal	managementFee	36, 12		m#15	m#15	1
4	9	Decimal	netOperatingExpenses	36, 12		m#	m#	1
4	10	Decimal	marketPricePerShare	36, 12	Decimal or N/A	m#16	m#16	1
4	11	Decimal	netAssetValuePerShare	36, 12		m#	m#	1
4	12	NV	smallInvestmentAdvisers			o#4	o#4	1
5	1	NV	smallInvestmentAdviser			m#	m#	1000
6	1	String	smallInvestmentAdviserName	150		m	m	1
6	2	Strng	smallInvestmentAdviserFileNo	17	FILE_NUMBER_T YPE defined in eis_Common.xsd	m	m	1
6	3	String	smallInvestmentAdviserCrdNo	9	CRD_NUMBER_T YPE defined in eis_NCEN_Commo n.xsd	m	m	1
6	4	String	smallInvestmentAdviserLei	20	LEI_TYPE_RSS_N A defined in eis_NCEN_Commo n.xsd	m	m	1
6	5	NV	smallInvestmentAdviserStateCountry		CHOICE	m	m	1
6	5	attr String	smallInvestmentAdviserState		<a href="#">ISO STATE AND OUTLYING AREA _CODE USA</a>	m	m	1
6	5	attr String	smallInvestmentAdviserCountry		"US"	m	m	1
6	5	String	smallInvestmentAdviserCountry		CHOICE <a href="#">ISO FOREIGN C OUNTRY CODE</a>	m	m	1
6	6	NV	smallInvestmentAdviserHired		CHOICE	m	m	1
6	6	attr String	isSmallInvestmentAdviserHired		"Y"	m	m	1
6	6	attr date	smallInvestmentAdviserStartDate		YYYY-MM-DD	m	m	1
6	6	String	isSmallInvestmentAdviserHired		CHOICE "N"	m	m	1
4	13	NV	terminatedSmallInvAdvisers			o#4	o#4	1
5	1	NV	terminatedSmallInvAdviser			m#	m#	1000
6	1	String	smallInvestmentAdviserTerminatedName	150		m	m	1
6	2	String	smallInvestmentAdviserTerminatedFileNo	17	FILE_NUMBER_T YPE defined in eis_Common.xsd	m	m	1
6	3	String	smallInvestmentAdviserTerminatedCrdNo	9	CRD_NUMBER_T YPE	m	m	1

Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
					defined in eis_NCEN_Common.xsd			
6	4	String	smallInvestmentAdviserTerminatedLei	20	LEI_TYPE_RSS_NA defined in eis_NCEN_Common.xsd	m	m	1
6	5	NV	smallInvestmentAdviserTerminatedStateCountry		CHOICE	m	m	1
6	5	attr String	smallInvestmentAdviserTerminatedState		<a href="#">ISO STATE AND OUTLYING AREA CODE USA</a>	m	m	1
6	5	attr String	smallInvestmentAdviserTerminatedCountry		"US"	m	m	1
6	5	String	smallInvestmentAdviserTerminatedCountry		CHOICE <a href="#">ISO FOREIGN COUNTRY CODE</a>	m	m	1
6	6	date	smallInvestmentAdviserTerminatedDate		YYYY-MM-DD	m	m	1
4	14	NV	smallSubAdvisers			o#4	o#4	1
5	1	NV	smallSubAdviser			m#	m#	1000
6	1	String	smallSubAdviserName	150		m	m	1
6	2	String	smallSubAdviserFileNo	17	FILE_NUMBER_TYPE defined in eis_Common.xsd	m	m	1
6	3	String	smallSubAdviserCrdNo	9	CRD_NUMBER_TYPE defined in eis_NCEN_Common.xsd	m	m	1
6	4	String	smallSubAdviserLei	20	LEI_TYPE_RSS_NA defined in eis_NCEN_Common.xsd	m	m	1
6	5	NV	smallSubAdviserStateCountry		CHOICE	m	m	1
6	5	attr String	smallSubAdviserState		<a href="#">ISO STATE AND OUTLYING AREA CODE USA</a>	m	m	1
6	5	attr String	smallSubAdviserCountry		"US"	m	m	1
6	5	String	smallSubAdviserCountry		CHOICE <a href="#">ISO FOREIGN COUNTRY CODE</a>	m	m	1
6	6	String	isSmallSubAdviserAffiliated		<a href="#">YES_NO_TYPE</a>	m	m	1
6	7	NV	smallSubAdviserHired		CHOICE	m	m	1
6	7	attr String	isSmallSubAdviserHired		"Y"	m	m	1
6	7	attr date	smallSubAdviserStartDate		YYYY-MM-DD	m	m	1
6	7	String	isSmallSubAdviserHired		CHOICE "N"	m	m	1

Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
4	15	NV	terminatedSmallSubAdvisers			o#4	o#4	1
5	1	NV	terminatedSmallSubAdviser			m#	m#	1000
6	1	String	smallSubAdviserTerminatedName	150		m	m	1
6	2	String	smallSubAdviserTerminatedFileNo	17	FILE_NUMBER_T YPE defined in eis_Common.xsd	m	m	1
6	3	String	smallSubAdviserTerminatedCrdNo	9	CRD_NUMBER_T YPE defined in eis_NCEN_Commo n.xsd	m	m	1
6	4	String	smallSubAdviserTerminatedLei	20	LEI_TYPE_RSS_N A defined in eis_NCEN_Commo n.xsd	m	m	1
6	5	NV	smallSubAdviserTerminatedStateCountry		CHOICE	m	m	1
6	5	attr String	smallSubAdviserTerminatedState		<a href="#">ISO STATE AND OUTLYING AREA CODE USA</a>	m	m	1
6	5	attr String	smallSubAdviserTerminatedCountry		"US"	m	m	1
6	5	String	smallSubAdviserTerminatedCountry		CHOICE <a href="#">ISO FOREIGN C OUNTRY CODE</a>	m	m	1
6	6	date	smallSubAdviserTerminatedDate		YYYY-MM-DD	m	m	1
4	16	NV	smallTransferAgents			o#4	o#4	1
5	1	NV	smallTransferAgent			m#	m#	1000
6	1	String	smallTransferAgentName	150		m	m	1
6	2	String	smallTransferAgentFileNo	17	FILE_NUMBER_T YPE defined in eis_Common.xsd	m	m	1
6	3	String	smallTransferAgentLei	20	LEI_TYPE_RSS_N A defined in eis_NCEN_Commo n.xsd	m	m	1
6	4	NV	smallTransferAgentStateCountry		CHOICE	m	m	1
7	1	String	smallTransferAgentState		<a href="#">ISO STATE AND OUTLYING AREA CODE USA</a>	m	m	1
7	2	String	smallTransferAgentCountry		"US"	m	m	1
6	4	String	smallTransferAgentCountry		CHOICE <a href="#">ISO FOREIGN C OUNTRY CODE</a>	m	m	1
6	5	String	isSmallTransferAgentAffiliated		<a href="#">YES_NO TYPE</a>	m	m	1
6	6	String	isSmallTransferAgentSubAdmin		<a href="#">YES_NO TYPE</a>	m	m	1
4	17	String	isSmallTransferAgentHiredOrTerminated		<a href="#">YES_NO TYPE</a>	c#5	c#5	1



Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
4	18	NV	smallCustodians			c#5	c#5	1
5	1	NV	smallCustodian			m#	m#	1000
6	1	String	smallCustodianName	150		m	m	1
6	2	String	smallCustodianLei	20	LEI_TYPE_RSS_N A defined in eis_NCEN_Common.xsd	m	m	1
6	3	NV	smallCustodianStateCountry		CHOICE	m	m	1
6	3	attr String	smallCustodianState		<a href="#">ISO STATE AND OUTLYING AREA CODE USA</a>	m	m	1
6	3	attr String	smallCustodianCountry		"US"	m	m	1
6	3	String	smallCustodianCountry		CHOICE <a href="#">ISO FOREIGN COUNTRY CODE</a>	m	m	1
6	4	String	isSmallCustodianAffiliated		<a href="#">YES_NO_TYPE</a>	m	m	1
6	5	String	isSmallCustodianSub		<a href="#">YES_NO_TYPE</a>	m	m	1
6	6	NV	custodyType		<a href="#">CUSTODY_TYPE</a>	m	m	1
6	7	String	otherSmallCustodianDesc	5000		m#17	m#17	1
4	19	String	isSmallCustodianHiredTerminated		<a href="#">YES_NO_TYPE</a>	o#4	o#4	1
3	5	NV	exchangeSeriesInfo			c#4	c#4	1
4	1	NV	exchangeTradedFund			o	o	1000
5	1	String	fundName	150		m#18	m#18	1
5	2	NV	securityExchanges			m#	m#	1
6	1	NV	securityExchange			m#	m#	1000
6	1	attr String	fundExchange		<a href="#">ISO EXCHANGE CODE</a>	m	m	1
6	1	attr String	fundsTickerSymbol	12		m	m	1
5	3	NV	authorizedParticipants			m	m	1
6	1	NV	authorizedParticipant			m#	m#	1000
6	1	attr String	authorizedParticipantName	150		m	m	1
6	1	attr String	authorizedParticipantFileNo	17	FILE_NUMBER_TYPE defined in eis_Common.xsd	m	m	1
6	1	attr String	authorizedParticipantCrdNo	9	CRD_NUMBER_TYPE defined in eis_NCEN_Common.xsd	m	m	1
6	1	attr String	authorizedParticipantLei	20	LEI_TYPE_RSS_N A defined in eis_NCEN_Common.xsd	M	m	1

Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
6	1	attr Decimal	authorizedParticipantPurchaseValue	36, 12		M	m	1
6	1	attr Decimal	authorizedParticipantRedeemValue	36, 12		M	m	1
5	4	String	isCollateralRequired		<a href="#">YES_NO_TYPE</a>	M	m	1
5	5	Decimal	creationUnitNumOfShares	36, 12		M	m	1
5	6	Decimal	averagePercentagePurchased	36, 12		M	m	1
5	7	Decimal	standardDeviationPurchased	36, 12		M	m	1
5	8	Decimal	creationUnitPurchasedInKind	36, 12		M	m	1
5	9	Decimal	creationUnitPurchasedSDInKind	36, 12		M	m	1
5	10	Decimal	averagePercentageRedeemed	36, 12		M	m	1
5	11	Decimal	percentSDRedeemed	36, 12		M	m	1
5	12	Decimal	creationUnitPercentageRedeemedInKind	36, 12		M	m	1
5	13	Decimal	creationUnitSDRedeemedInKind	36, 12		M	m	1
5	14	Decimal	creationUnitTransactionFeePerUnit	36, 12	Non Neg Decimal or N/A	M	m	1
5	15	Decimal	creationUnitTransactionFeeManyUnits	36, 12	Non Neg Decimal or N/A	M	m	1
5	16	Decimal	creationUnitTransactionFeePercentagePerUnit	36, 12	Non Neg Decimal or N/A	M	m	1
5	17	Decimal	creationUnitTransactionFeeCashPerUnit	36, 12	Non Neg Decimal or N/A	M	m	1
5	18	Decimal	creationUnitTransactionFeeCashManyUnits	36, 12	Non Neg Decimal or N/A	M	m	1
5	19	Decimal	creationUnitTransactionFeeCashPercentagePerUnit	36, 12	Non Neg Decimal or N/A	M	m	1
5	20	Decimal	purchaseCreationUnitDollarPerUnit	36, 12	Non Neg Decimal or N/A	M	m	1
5	21	Decimal	purchaseCreationUnitDollarPerMoreUnits	36, 12	Non Neg Decimal or N/A	M	m	1
5	22	Decimal	purchaseCreationUnitDollarPercentagePerUnit	36, 12	Non Neg Decimal or N/A	M	m	1
5	23	Decimal	purchaseCreationUnitCashPerUnit	36, 12	Non Neg Decimal or N/A	M	m	1
5	24	Decimal	purchaseCreationUnitCashPerMoreUnits	36, 12	Non Neg Decimal or N/A	M	m	1
5	25	Decimal	purchaseCreationUnitCashPercentagePerUnit	36, 12	Non Neg Decimal or N/A	M	m	1
5	26	String	isByAffiliatedPerson		<a href="#">YES_NO_TYPE</a>	m#19	m#19	1
5	27	String	isExclusiveFund		<a href="#">YES_NO_TYPE</a>	m#19	m#19	1
5	28	Decimal	beforeFundFeesExpensesDiff	36, 12		m#19	m#19	1
5	29	Decimal	afterFundFeesExpensesDiff	36, 12		m#19	m#19	1
5	30	Decimal	beforeFundFeesExpensesSd	36, 12		m#19	m#19	1
5	31	Decimal	afterFundFeesExpensesSd	36, 12		m#19	m#19	1
5	32	String	isInKindETF		<a href="#">YES_NO_TYPE</a>	o#5	o#5	1
3	6	NV	unitInvestmentTrust			na#5	na#5	1
4	1	NV	depositors			o#6	o#6	1

Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
5	1	NV	depositor			m#	m#	1000
6	1	String	depositorName	150		m	m	1
6	2	String	depositorCrdNo	9	CRD_NUMBER_T YPE defined in eis_NCEN_Commo n.xsd	m	m	1
6	3	String	depositorLei	20	LEI_TYPE_RSS_N A defined in eis_NCEN_Commo n.xsd	m	m	1
6	4	String	depositorStateCountry		CHOICE	m	m	1
6	4	attr String	depositorState		<a href="#">ISO STATE AND OUTLYING AREA _CODE USA</a>	m	m	1
6	4	attr String	depositorCountry		"US"	m	m	1
6	4	String	depositorCountry		CHOICE <a href="#">ISO FOREIGN C OUNTRY CODE</a>	m	m	1
6	5	String	depositorUltimateParentname	150		m	m	1
4	2	NV	uitAdmins			o#6	o#6	1
5	1	NV	uitAdmin			m#	m#	1000
6	1	String	uitAdminName	150		m	m	1
6	2	String	uitAdminLei	100		m	m	1
6	3	String	uitAdminDescOtherNumber	5000		o	o	1
6	4	NV	uitAdminStateCountry		CHOICE	m	m	1
6	4	attr String	uitAdminState		<a href="#">ISO STATE AND OUTLYING AREA _CODE USA</a>	m	m	1
6	4	attr String	uitAdminCountry		"US"	m	m	1
6	4	String	uitAdminCountry		CHOICE <a href="#">ISO FOREIGN C OUNTRY CODE</a>	m	m	1
6	5	String	isUitAdminAffiliated		<a href="#">YES_NO_TYPE</a>	m	m	1
6	6	String	isUitAdminSubAdmin		<a href="#">YES_NO_TYPE</a>	m	m	1
4	3	String	isUitAdminHiredTerminated		<a href="#">YES_NO_TYPE</a>	na#6	na#6	1
4	4	NV	registrantSeparateInsuranceAccount		CHOICE	na#6	na#6	1
4	4	attr String	isRegistrantSeparateInsuranceAccount		"Y"	m	m	1
4	4	attr Strng	separateAccountSeriesId	10	SERIES_ID_TYPE defined in eis_Common_SC.x sd	m	m	1
4	4	NV	notRegistrantSeparateInsuranceAccount		CHOICE	na#6	na#6	1
4	4	attr String	isRegistrantSeparateInsuranceAccount		"N"	m	m	1

Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
5	1	NV	sponsors			o	o	1
6	1	NV	sponsor			m#	m#	1000
7	1	String	sponsorName	150		m	m	1
7	2	String	sponsorCrdNo	9	CRD_NUMBER_T YPE defined in eis_NCEN_Commo n.xsd	m	m	1
7	2	String	sponsorLei	20	LEI_TYPE_RSS_N A defined in eis_NCEN_Commo n.xsd	m	m	1
7	4	NV	sponsorStateCountry		CHOICE	m	m	1
7	4	attr String	sponsorState		<a href="#">ISO STATE AND OUTLYING AREA CODE USA</a>	m	m	1
7	4	attr String	sponsorCountry		"US"	m	m	1
7	4	String	sponsorCountry		CHOICE <a href="#">ISO FOREIGN C OUNTRY CODE</a>	m	m	1
5	2	NV	trustees			o	o	1
6	1	NV	trustee			m#	m#	1000
7	1	String	trusteeName	150		m	m	1
7	2	NV	trusteeStateCountry		CHOICE	m	m	1
7	2	attr String	trusteeState		<a href="#">ISO STATE AND OUTLYING AREA CODE USA</a>	m	m	1
7	2	attr String	trusteeCountry		"US"	m	m	1
7	2	String	trusteeCountry		CHOICE <a href="#">ISO FOREIGN C OUNTRY CODE</a>	m	m	1
5	3	integer	numOfExistingSeries	5	INTEGER_NONNE GATIVE_5 defined in eis_NCEN_Commo n.xsd	m	m	1
5	4	NV	seriesCIKs			m#20	m#20	1
6	1	NV	seriesCIK			m#	m#	5000
6	1	attr String	cik	10		m	m	1
5	6	integer	numOfNewSeriesRegistration	5	INTEGER_NONNE GATIVE_5 defined in eis_NCEN_Commo n.xsd	m	m	1
5	7	Decimal	newSeriesAggregateValue	36, 12		m	m	1
5	8	integer	numOfSeriesCurrentProspectus	5	INTEGER_NONNE GATIVE_5 defined in	m	m	1

Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
					eis_NCEN_Common.xsd			
5	9	integer	numOfExistingSeriesAdditionalUnits	5	INTEGER_NONNEGATIVE_5 defined in eis_NCEN_Common.xsd	m	m	1
5	10	Decimal	additionalUnitsTotalValue	36, 12		m	m	1
5	11	Decimal	unitInPortfolioValue	36, 12		m	m	1
5	12	Decimal	totalAssetsSeries	36, 12		m	m	1
4	5	integer	numOfContracts	5	INTEGER_NONNEGATIVE_5 defined in eis_NCEN_Common.xsd	m#21	m#21	1
4	6	NV	contractSecurities			m#21	m#21	1
5	1	NV	contractSecurity			m#	m#	1000
5	1	attr String	separateAccountSecurityName	150		m	m	1
5	1	attr String	separateAccountContractId	10	CLASS_ID_TYPE defined in eis_Common_SC.xsd	m	m	1
5	1	attr Decimal	separateAccountTotalAsset	36, 12		m	m	1
5	1	attr integer	numContractsSold	5	INTEGER_NONNEGATIVE_5 defined in eis_NCEN_Common.xsd	m	m	1
5	1	attr Decimal	grossPremiumReceived	36, 12		m	m	1
5	1	attr Decimal	grossPremiumReceivedSection1035	36, 12		m	m	1
5	1	attr integer	numContractsAffected	5	INTEGER_NONNEGATIVE_5 defined in eis_NCEN_Common.xsd	m	m	1
5	1	attr Decimal	contractValueRedeemed	36, 12		m	m	1
5	1	attr Decimal	contractValueRedeemedSection1035	36, 12		m	m	1
5	1	attr integer	numContractsAffectedRedeemed	5		m	m	1
4	7	String	isRule6C7Reliance		<a href="#">YES_NO_TYPE</a>	m#21	m#21	1
4	8	String	isRule11A2Reliance		<a href="#">YES_NO_TYPE</a>	m#21	m#21	1
4	9	NV	divestments			o#6	o#6	1
5	1	NV	divestment			m#	m#	1000
5	1	attr String	divestmentSecurityName	150		m	m	1
5	1	attr	divestmentSecurityTickerSymbol	12		m	m	1

Level	Order	Data Type	Element/Attribute Length	Max Length	Choice List	N-CEN	N-CEN/A	Max Occur
		String						
5	1	attr String	divestmentSecurityCusipNo	10		m	m	1
5	1	attr Decimal	divestedNumShares	36, 12		m	m	1
5	1	attr date	divestedDate		YYYY-MM-DD	m	m	1
5	1	attr String	divestmentStatuteName	150		m	m	1
4	10	NV	registrantHeldSecurities			o#7	o#7	1
5	1	NV	registrantHeldSecurity			m#	m#	1000
5	1	attr String	registrantHeldSecurityTickerSymbol	12		m	m	1
5	1	attr String	registrantHoldsSecurityCusipNo	10		m	m	1
5	1	attr Decimal	registrantNumShare	36, 12		m	m	1
3	7	NV	attachmentsTab			o	o	1
4	1	Boolean	isLegalProceedings		"true" or "false"	o	o	1
4	2	Boolean	isProvisionFinancialSupport		"true" or "false"	o	o	1
4	3	Boolean	isIPAReportInternalControl		"true" or "false"	o	o	1
4	4	Boolean	isChangeAccPrinciples		"true" or "false"	o	o	1
4	5	Boolean	isInfoRequiredEO		"true" or "false"	o	o	1
4	6	Boolean	isOtherInfoRequired		"true" or "false"	o	o	1
4	7	Boolean	isMaterialAmendments		"true" or "false"	o#8	o#8	1
4	8	Boolean	isInstDefiningRights		"true" or "false"	o#8	o#8	1
4	9	Boolean	isNewOrAmendedInvAdvContracts		"true" or "false"	o#8	o#8	1
4	10	Boolean	isInfoltem405		"true" or "false"	o#8	o#8	1
4	11	Boolean	isCodeOfEthics		"true" or "false"	o#8	o#8	1
3	8	NV	signature			m	m	1
3	8	attr String	registrantSignedName	150		m	m	1
3	8	attr date	signedDate		YYYY-MM-DD	m	m	1
3	8	attr String	signature	150		m	m	1
3	8	attr String	title	150		m	o	1
2	4	NV	documents			o	o	1
3	1	NV	document			m#	m#	unbounded
4	1	String	conformedName	32		m#	m#	1
4	2	String	conformedDocumentType			m#	m#	1
4	3	String	description	255		o	o	1
4	4	String	contents			m#	m#	1

## 4 N-CEN SCHEMA DATA VALUE CONSTRAINTS

### 4.1 SUBMISSION\_TYPE

These are the valid values for elements with type <SUBMISSION\_TYPE> in the submission file:

VALUE	CODE DESCRIPTION
N-CEN	Annual Report for Registered Investment Companies
N-CEN/A	Amendment to Annual Report for Registered Investment Companies

### 4.2 COMPANY\_CLASSIFICATION\_TYPE

These are the valid values for elements with type <COMPANY\_CLASSIFICATION\_TYPE> in the submission file:

VALUE
N-1A
N-2
N-3
N-4
N-5
N-6
S-6

### 4.3 CREDIT\_LINE\_COMMITTED\_TYPE

These are the valid values for elements with type <CREDIT\_LINE\_COMMITTED\_TYPE> in the submission file:

VALUE
Committed
Uncommitted

### 4.4 ASSET\_TYPE

These are the valid values for elements with type <ASSET\_TYPE> in the submission file:

VALUE
Short-term investment vehicle
Equity-common
Equity-preferred
Debt
Derivative-commodity
Derivative-credit
Derivative-equity
Derivative-foreign exchange

VALUE
Derivative-interest rate
Derivative-other
Structured note
Loan
ABS-mortgage backed security
ABS-asset backed commercial paper
ABS-collateralized bond/debt obligation
ABS-other
Commodity
Real estate
Other

#### 4.5 CUSTODY\_TYPE

These are the valid values for elements with type <CUSTODY\_TYPE> in the submission file:

VALUE
Bank - section 17(f)(1) (15 U.S.C. 80a-17(f)(1))
Member national securities exchange - rule 17f-1 (17 CFR 270.17f-1)
Self - rule 17f-2 (17 CFR 270.17f-2)
Securities depository - rule 17f-4 (17 CFR 270.17f-4)
Foreign custodian - rule 17f-5 (17 CFR 270.17f-5)
Futures commission merchants and commodity clearing organizations - rule 17f-6 (17 CFR 270.17f-6)
Foreign securities depository - rule 17f-7 (17 CFR 270.17f-7)
Insurance company sponsor - rule 26a-2 (17 CFR 270.26a-2)
Other

#### 4.6 RELY\_ON\_RULE\_TYPE

These are the valid values for elements with type <RELY\_ON\_RULE\_TYPE> in the submission file:

VALUE
Rule 10f-3 (17 CFR 270.10f-3)
Rule 12d1-1 (17 CFR 270.12d1-1)
Rule 15a-4 (17 CFR 270.15a-4)
Rule 17a-6 (17 CFR 270.17a-6)
Rule 17a-7 (17 CFR 270.17a-7)
Rule 17a-8 (17 CFR 270.17a-8)
Rule 17e-1 (17 CFR 270.17e-1)
Rule 22d-1 (17 CFR 270.22d-1)
Rule 23c-1 (17 CFR 270.23c-1)



VALUE
Rule 32a-4 (17 CFR 270.32a-4)

#### 4.7 PAYMENT\_TO\_AGENT\_MANAGER\_TYPE

These are the valid values for elements with type <PAYMENT\_TO\_AGENT\_MANAGER\_TYPE> in the submission file:

VALUE
Revenue sharing split
Non-revenue sharing split (other than administrative fee)
Administrative fee
Cash collateral reinvestment fee
Indemnification fee
Other

#### 4.8 FUND\_TYPE

These are the valid values for elements with type <FUND\_TYPE> in the submission file:

VALUE
Exchange-Traded Fund
Exchange-Traded Managed Fund
Inverse of a benchmark
Interval Fund
Fund of Funds
Money Market Fund
Target Date Fund
Underlying fund

#### 4.9 SECURITY\_TYPE

These are the valid values for elements with type <SECURITY\_TYPE> in the submission file:

VALUE
Common stock
Preferred stock
Warrants
Convertible securities
Bonds
Other

## 5 COMMON SCHEMA DATA VALUE CONSTRAINTS

### 5.1 YES\_NO\_TYPE

These are the valid values for elements with type <YES\_NO\_TYPE> in the submission file:

VALUE
Y
N

## 6 ISO EXCHANGE LIST SCHEMA DATA VALUE CONSTRAINTS

### 6.1 ISO\_EXCHANGE\_CODE

These are the valid values for elements with type <ISO\_EXCHANGE\_CODE> in the submission file:

VALUE	CODE DESCRIPTION	COUNTRY
N/A	N/A	N/A
DGCX	TIRANA STOCK EXCHANGE	ALBANIA
DIFX	ALGIERS STOCK EXCHANGE	ALGERIA
DUMX	BOLSA DE DIVIDA E VALORES DE ANGOLA (BODIVA) - ANGOLA SECURITIES EXCHANGE	ANGOLA
XADS	BOLSA DE CEREALES DE BUENOS AIRES	ARGENTINA
XDFM	BOLSA DE COMERCIO DE SANTA FE	ARGENTINA
XTIR	MERCADO DE VALORES DEL LITORAL S.A.	ARGENTINA
XARM	ROSARIO FUTURE EXCHANGE	ARGENTINA
XBDV	BOLSA DE COMERCIO DE CORDOBA	ARGENTINA
BACE	MERCADO DE VALORES DE CORDOBA S.A.	ARGENTINA
BCFS	BOLSA DE COMERCIO DE MENDOZA S.A.	ARGENTINA
XMVL	MERCADO DE VALORES DE MENDOZA S.A.	ARGENTINA
ROFX	BOLSA DE COMERCIO DE BUENOS AIRES	ARGENTINA
XBCC	MERCADO DE VALORES DE BUENOS AIRES S.A.	ARGENTINA
MVCX	BOLSA DE COMERCIO CONFEDERADA S.A.	ARGENTINA
XBCM	MERCADO ABIERTO ELECTRONICO S.A.	ARGENTINA
XBCX	MERCADO A TERMINO DE BUENOS AIRES S.A.	ARGENTINA
XBUE	BOLSA DE COMERCIO ROSARIO	ARGENTINA
XMEV	MERCADO DE VALORES DE ROSARIO S.A.	ARGENTINA
XCNF	NUEVA BOLSA DE COMERCIO DE TUCUMAN S.A.	ARGENTINA
XMAB	NASDAQ OMX ARMENIA	ARMENIA
XMTB	SYDNEY STOCK EXCHANGE LIMITED	AUSTRALIA
XROS	AUSTRALIAN WHEAT BOARD	AUSTRALIA
XROX	AUSTRALIAN WOOL EXCHANGE	AUSTRALIA
XTUC	BLOCK EVENT	AUSTRALIA
EGSI	CITI MATCH AUSTRALIA	AUSTRALIA
XWBO	CHI-X AUSTRALIA	AUSTRALIA
EXAA	CHI-X MARKET AUSTRALIA - LIMIT VENUE	AUSTRALIA
WBDM	CHI-X VWAP	AUSTRALIA
XVIE	CHI-X MOC	AUSTRALIA
WBGF	CHI-X AUSTRALIA MID-POINT VENUE	AUSTRALIA
WBAH	CHI-X AUSTRALIA PRIMARY PEG (NEARPOINT) VENUE	AUSTRALIA
APXL	CHI-X AUSTRALIA MARKET PEG (FARPOINT) VENUE	AUSTRALIA

VALUE	CODE DESCRIPTION	COUNTRY
AWBX	CHI-X AUSTRALIA - WARRANTS	AUSTRALIA
AWEX	CHI-X AUSTRALIA - TRANSFERABLE CUSTODY RECEIPT MARKET	AUSTRALIA
BLEV	CHI-X AUSTRALIA -QUOTED MANAGED FUNDS	AUSTRALIA
CGMA	CLSA AUSTRALIA - DARK	AUSTRALIA
CHIA	CREDIT SUISSE EQUITIES (AUSTRALIA) LIMITED	AUSTRALIA
CXAQ	CROSSFINDER AUSTRALIA	AUSTRALIA
CXAC	MACQUARIE INTERNAL MARKETS (AUSTRALIA)	AUSTRALIA
CXAW	MORGAN STANLEY AUSTRALIA SECURITIES LIMITED	AUSTRALIA
CXAV	BENDIGO STOCK EXCHANGE LIMITED	AUSTRALIA
CXAM	SIGMA X AUSTRALIA	AUSTRALIA
CXAR	SIM VENTURE SECURITIES EXCHANGE	AUSTRALIA
CXAP	ASX - ALL MARKETS	AUSTRALIA
CXAN	ASX - CENTER POINT	AUSTRALIA
CXAF	ASX - PUREMATCH	AUSTRALIA
CLAU	ASX TRADEMATCH	AUSTRALIA
CSAU	ASX - VOLUMEMATCH	AUSTRALIA
CFAU	ASX - TRADE24	AUSTRALIA
MAQX	ASX BOOKBUILD	AUSTRALIA
MSAL	FINANCIAL AND ENERGY EXCHANGE GROUP	AUSTRALIA
NSXB	NATIONAL STOCK EXCHANGE OF AUSTRALIA LIMITED	AUSTRALIA
SIGA	YIELDBROKER PTY LTD	AUSTRALIA
SIMV	ERSTE GROUP BANK AG	AUSTRIA
XASX	WIENER BOERSE AG	AUSTRIA
ASXV	WIENER BOERSE AG, AUSTRIAN ENERGY EXCHANGE	AUSTRIA
XSFE	WIENER BOERSE AG AMTLICHER HANDEL (OFFICIAL MARKET)	AUSTRIA
ASXT	WIENER BOERSE AG DRITTER MARKT (THIRD MARKET)	AUSTRIA
ASXP	WIENER BOERSE AG GEREGLTER FREIVERKEHR (SECOND REGULATED MARKET)	AUSTRIA
ASXC	WIENER BOERSE AG, WERTPAPIERBOERSE (SECURITIES EXCHANGE)	AUSTRIA
ASXB	BAKU STOCK EXCHANGE	AZERBAIJAN
XFEX	BAKU INTERBANK CURRENCY EXCHANGE	AZERBAIJAN
XNEC	BAHAMAS INTERNATIONAL SECURITIES EXCHANGE	BAHAMAS
XYIE	BAHRAIN FINANCIAL EXCHANGE	BAHRAIN
BSEX	BAHRAIN BOURSE	BAHRAIN
XIBE	CHITTAGONG STOCK EXCHANGE LTD.	BANGLADESH
XBLB	DHAKA STOCK EXCHANGE LTD	BANGLADESH

VALUE	CODE DESCRIPTION	COUNTRY
BLBF	BARBADOS STOCK EXCHANGE	BARBADOS
XSSE	BARBADOS STOCK EXCHANGE - JUNIOR MARKET	BARBADOS
XBAB	BELARUS CURRENCY AND STOCK EXCHANGE	BELARUS
BAJM	BELGIAN POWER EXCHANGE	BELGIUM
XCHG	MTS BELGIUM	BELGIUM
XDHA	MTS DENMARK	BELGIUM
BLPX	MTS FINLAND	BELGIUM
BMTS	EURONEXT - EURONEXT BRUSSELS	BELGIUM
MTSD	EURONEXT - ALTERNEXT BRUSSELS	BELGIUM
MTSF	EURONEXT - EASY NEXT	BELGIUM
XBRU	EURONEXT - MARCHE LIBRE BRUSSELS	BELGIUM
ENXB	EURONEXT - TRADING FACILITY BRUSSELS	BELGIUM
MLXB	EURONEXT - VENTES PUBLIQUES BRUSSELS	BELGIUM
TNLB	EURONEXT - EURONEXT BRUSSELS - DERIVATIVES	BELGIUM
XBRD	BERMUDA STOCK EXCHANGE LTD	BERMUDA
ALXB	BOLSA BOLIVIANA DE VALORES S.A.	BOLIVIA
VPXB	BANJA LUKA STOCK EXCHANGE	BOSNIA AND HERZEGOVINA
IBEX	BANJA LUKA STOCK EXCHANGE - FREE MARKET	BOSNIA AND HERZEGOVINA
MBUL	SARAJEVO STOCK EXCHANGE	BOSNIA AND HERZEGOVINA
XBUL	BOTSWANA STOCK EXCHANGE	BOTSWANA
ABUL	BOTSWANA STOCK EXCHANGE - VENTURE CAPITAL	BOTSWANA
BFEX	BOTSWANA STOCK EXCHANGE - EXCHANGE TRADED FUNDS (ETF)	BOTSWANA
XBAH	BOLSA DE CEREAIS E MERCADORIAS DE MARINGÁ	BRAZIL
XBDA	BOLSA DE VALORES MINAS-ESPÍRITO SANTO-BRASÍLIA	BRAZIL
XBOL	BRAZILIAN ENERGY EXCHANGE	BRAZIL
BCMM	BM&FBOVESPA S.A. - BOLSA DE VALORES, MERCADORIAS E FUTUROS	BRAZIL
BOVM	CETIP S.A. - MERCADOS ORGANIZADOS	BRAZIL
BRIX	SISTEMA ESPECIAL DE LIQUIDACAO E CUSTODIA DE TITULOS PUBLICOS	BRAZIL
BVMF	INDEPENDENT BULGARIAN ENERGY EXCHANGE	BULGARIA
CETI	MTF SOFIA	BULGARIA
SELC	BULGARIAN STOCK EXCHANGE	BULGARIA
XBAA	BULGARIAN STOCK EXCHANGE - ALTERNATIVE MARKET	BULGARIA
XBOT	CAMBODIA SECURITIES EXCHANGE	CAMBODIA

VALUE	CODE DESCRIPTION	COUNTRY
BOTV	DOUALA STOCK EXCHANGE	CAMEROON
BOTE	CANDEAL.CA INC	CANADA
BCSE	CANNEX FINANCIAL EXCHANGE LTS	CANADA
CAND	CHI-X CANADA ATS	CANADA
CANX	CX2	CANADA
CHIC	BMO CAPITAL MARKETS - CAD OTC TRADES	CANADA
XCX2	ICE FUTURES CANADA	CANADA
COTC	INVESCO CANADA PTF TRADES	CANADA
IFCA	LIQUIDNET CANADA ATS	CANADA
IVZX	MATCH NOW	CANADA
LICA	AEQUITAS NEO EXCHANGE	CANADA
MATN	NATURAL GAS EXCHANGE	CANADA
NEOE	OMEGA ATS	CANADA
NGXC	LYNX ATS	CANADA
OMGA	TMX SELECT	CANADA
LYNX	ALPHA EXCHANGE	CANADA
TMXS	PERIMETER FINANCIAL CORP. - BLOCKBOOK ATS	CANADA
XATS	CANADIAN NATIONAL STOCK EXCHANGE	CANADA
XBBK	PURE TRADING	CANADA
XCNQ	NASDAQ CXD	CANADA
PURE	INSTINET CANADA CROSS	CANADA
XCXD	MONTREAL CLIMATE EXCHANGE	CANADA
XICX	THE MONTREAL EXCHANGE / BOURSE DE MONTREAL	CANADA
XMOC	TORONTO STOCK EXCHANGE	CANADA
XMOD	TSX VENTURE EXCHANGE	CANADA
XTSE	TSX VENTURE EXCHANGE - NEX	CANADA
XTSX	CAPE VERDE STOCK EXCHANGE	CAPE VERDE
XTNX	CAYMAN ISLANDS STOCK EXCHANGE	CAYMAN ISLANDS
AIXE	BOLSA DE CORREDORES - BOLSA DE VALORES	CHILE
DOTS	LA BOLSA ELECTRONICA DE CHILE	CHILE
EUCH	SANTIAGO STOCK EXCHANGE	CHILE
EUSC	CHINA FINANCIAL FUTURES EXCHANGE	CHINA
EUSP	CHINA STAINLESS STEEL EXCHANGE	CHINA
EURM	SHANGHAI GOLD EXCHANGE	CHINA
S3FM	CHINA FOREIGN EXCHANGE TRADE SYSTEM	CHINA
STOX	DALIAN COMMODITY EXCHANGE	CHINA
XSTX	SHANGHAI FUTURES EXCHANGE	CHINA
XSCU	SHANGHAI INTERNATIONAL ENERGY EXCHANGE	CHINA

VALUE	CODE DESCRIPTION	COUNTRY
XSTV	SHENZHEN STOCK EXCHANGE	CHINA
UBSG	SHENZHEN STOCK EXCHANGE - SHENZHEN - HONG KONG STOCK CONNECT	CHINA
UBSF	SHANGHAI STOCK EXCHANGE	CHINA
UBSC	SHANGHAI STOCK EXCHANGE - SHANGHAI - HONG KONG STOCK CONNECT	CHINA
VLEX	ZHENGZHOU COMMODITY EXCHANGE	CHINA
XBRN	BOLSA DE VALORES DE COLOMBIA	COLOMBIA
XSWX	BOLSA NACIONAL DE VALORES, S.A.	COSTA RICA
XBTR	CROATIAN POWER EXCHANGE	CROATIA
XQMH	ZAGREB MONEY AND SHORT TERM SECURITIES MARKET INC	CROATIA
XICB	ZAGREB STOCK EXCHANGE	CROATIA
XSWM	THE ZAGREB STOCK EXCHANGE MTF	CROATIA
XSLs	DUTCH CARIBBEAN SECURITIES EXCHANGE	CURACAO
XVTX	CYPRUS STOCK EXCHANGE	CYPRUS
ZKBX	CYPRUS STOCK EXCHANGE - OTC	CYPRUS
KMUX	MTF - CYPRUS EXCHANGE	CYPRUS
XBRV	42 FINANCIAL SERVICES	CZECH REPUBLIC
BOVA	PRAGUE STOCK EXCHANGE	CZECH REPUBLIC
XBCL	PRAGUE STOCK EXCHANGE - MTF	CZECH REPUBLIC
XSGO	POWER EXCHANGE CENTRAL EUROPE	CZECH REPUBLIC
XDSX	RM-SYSTEM CZECH STOCK EXCHANGE	CZECH REPUBLIC
CCFX	RM-SYSTEM CZECH STOCK EXCHANGE (MTF)	CZECH REPUBLIC
CSSX	DANSKE BANK A/S - SYSTEMATIC INTERNALISER	DENMARK
SGEX	DANSK OTC	DENMARK
XCFE	GXG MARKETS A/S	DENMARK
XDCE	GXG MTF FIRST QUOTE	DENMARK
XSGE	GXG MTF	DENMARK
XINE	GASPOINT NORDIC A/S	DENMARK
XSHE	NASDAQ COPENHAGEN A/S	DENMARK
XSEC	NASDAQ COPENHAGEN A/S - NORDIC@MID	DENMARK
XSHG	FIRST NORTH DENMARK	DENMARK
XSSC	FIRST NORTH DENMARK - NORDIC@MID	DENMARK
XZCE	NASDAQ COPENHAGEN A/S – AUCTION ON DEMAND	DENMARK
XBOG	FIRST NORTH DENMARK – AUCTION ON DEMAND	DENMARK
XBNV	BOLSA DE VALORES DE LA REPUBLICA DOMINICANA SA.	DOMINICAN REPUBLIC
XBVC	BOLSA DE VALORES DE GUAYAQUIL	ECUADOR

VALUE	CODE DESCRIPTION	COUNTRY
DCSX	BOLSA DE VALORES DE QUITO	ECUADOR
XCYS	NILE STOCK EXCHANGE	EGYPT
XECM	EGYPTIAN EXCHANGE	EGYPT
XCYO	EL SALVADOR STOCK EXCHANGE	EL SALVADOR
FTFS	NASDAQ TALLINN AS	ESTONIA
XPRA	FIRST NORTH ESTONIA	ESTONIA
XPRM	THE FAROESE SECURITIES MARKET	FAROE ISLANDS
XPXE	SOUTH PACIFIC STOCK EXCHANGE	FIJI
XRMZ	KAASUPORSSI - FINNISH GAS EXCHANGE	FINLAND
XRMO	NASDAQ HELSINKI LTD	FINLAND
360T	FIRST NORTH FINLAND	FINLAND
CATS	NASDAQ HELSINKI LTD - NORDIC@MID	FINLAND
DBOX	FIRST NORTH FINLAND - NORDIC@MID	FINLAND
AUTO	NASDAQ HELSINKI LTD – AUCTION ON DEMAND	FINLAND
ECAG	FIRST NORTH FINLAND – AUCTION ON DEMAND	FINLAND
FICX	LA COTE ALPHA	FRANCE
TGAT	EPEX SPOT SE	FRANCE
XGRM	MTS FRANCE SAS	FRANCE
XGAT	GALAXY	FRANCE
XBER	LCH.CLEARNET	FRANCE
ZOBX	ALTERNATIVA FRANCE	FRANCE
BERC	BLUENEXT	FRANCE
XEQT	EURONEXT - EURONEXT PARIS	FRANCE
BERB	EURONEXT - ALTERNEXT PARIS	FRANCE
EQTA	BONDMATCH	FRANCE
EQTD	EURONEXT PARIS MATIF	FRANCE
EQTB	EURONEXT - MARCHE LIBRE PARIS	FRANCE
EQTC	EURONEXT PARIS MONEP	FRANCE
BERA	EURONEXT STRUCTURED PRODUCTS MTF	FRANCE
XDUS	POWERNEXT	FRANCE
DUSD	POWERNEXT - GAS SPOT AND FUTURES	FRANCE
DUSC	POWERNEXT - OTF	FRANCE
DUSB	GEORGIA STOCK EXCHANGE	GEORGIA
DUSA	360T	GERMANY
XQTX	CATS	GERMANY
XECB	DEUTSCHE BANK OFF EXCHANGE TRADING	GERMANY
XECC	AUTOBAHN FX	GERMANY
XEEE	EUREX CLEARING AG	GERMANY



VALUE	CODE DESCRIPTION	COUNTRY
XEE0	FINANCIAL INFORMATION CONTRIBUTORS EXCHANGE	GERMANY
XEER	TRADEGATE EXCHANGE	GERMANY
XETR	TRADEGATE EXCHANGE - FREIVERKEHR	GERMANY
XEUB	TRADEGATE EXCHANGE - REGULIERTER MARKT	GERMANY
XETA	BOERSE BERLIN	GERMANY
XETB	BOERSE BERLIN - REGULIERTER MARKT	GERMANY
XEUP	BOERSE BERLIN - FREIVERKEHR	GERMANY
XERE	BOERSE BERLIN - BERLIN SECOND REGULATED MARKET	GERMANY
XEUM	BOERSE BERLIN EQUIDUCT TRADING - REGULIERTER MARKT	GERMANY
XERT	BOERSE BERLIN EQUIDUCT TRADING - BERLIN SECOND REGULATED MARKET	GERMANY
XEUR	BOERSE BERLIN EQUIDUCT TRADING - FREIVERKEHR	GERMANY
XFRA	BOERSE BERLIN EQUIDUCT TRADING - OTC	GERMANY
XDBC	BOERSE BERLIN EQUIDUCT TRADING	GERMANY
FRAA	ZOBEX	GERMANY
XDBX	BOERSE DUESSELDORF	GERMANY
XDBV	BOERSE DUESSELDORF - REGULIERTER MARKT	GERMANY
FRAB	BOERSE DUESSELDORF - FREIVERKEHR	GERMANY
XHAM	BOERSE DUESSELDORF - QUOTRIX - REGULIERTER MARKT	GERMANY
HAMM	BOERSE DUESSELDORF - QUOTRIX MTF	GERMANY
HAML	BOERSE DUESSELDORF - QUOTRIX	GERMANY
HAMN	ECB EXCHANGE RATES	GERMANY
HAMA	EUROPEAN COMMODITY CLEARING AG	GERMANY
HAMB	EUROPEAN ENERGY EXCHANGE	GERMANY
XHAN	EUROPEAN ENERGY EXCHANGE - NON-MTF MARKET	GERMANY
HANB	EUROPEAN ENERGY EXCHANGE - REGULATED MARKET	GERMANY
HANA	XETRA	GERMANY
XINV	EUREX BONDS	GERMANY
XMUN	XETRA - REGULIERTER MARKT	GERMANY
MUNC	XETRA - FREIVERKEHR	GERMANY
MUND	EUREX REPO GMBH	GERMANY
MUNA	EUREX REPO SECLEND MARKET	GERMANY
MUNB	EUREX REPO - FUNDING AND FINANCING PRODUCTS	GERMANY
XSCO	EUREX REPO - TRIPARTY	GERMANY
XSC1	EUREX DEUTSCHLAND	GERMANY
XSC2	DEUTSCHE BOERSE AG	GERMANY

VALUE	CODE DESCRIPTION	COUNTRY
XSC3	BOERSE FRANKFURT - REGULIERTER MARKT	GERMANY
XSTU	BOERSE FRANKFURT - FREIVERKEHR	GERMANY
STUD	DEUTSCHE BOERSE AG - CUSTOMIZED INDICES	GERMANY
STUC	DEUTSCHE BOERSE AG - VOLATILITY INDICES	GERMANY
XSTF	DEUTSCHE BOERSE AG - INDICES	GERMANY
EUWX	HANSEATISCHE WERTPAPIERBOERSE HAMBURG	GERMANY
STUA	BOERSE HAMBURG - REGULIERTER MARKT	GERMANY
STUB	BOERSE HAMBURG - FREIVERKEHR	GERMANY
XXSC	BOERSE HAMBURG - LANG AND SCHWARZ EXCHANGE	GERMANY
DASI	BOERSE HAMBURG - LANG AND SCHWARZ EXCHANGE - REGULIERTER MARKT	GERMANY
DKTC	BOERSE HAMBURG - LANG AND SCHWARZ EXCHANGE - FREIVERKEHR	GERMANY
GXGR	NIEDERSAECHSISCHE BOERSE ZU HANNOVER	GERMANY
GXGF	BOERSE HANNOVER - REGULIERTER MARKT	GERMANY
GXGM	BOERSE HANNOVER - FREIVERKEHR	GERMANY
NPGA	INVESTRO	GERMANY
XCSE	BOERSE MUENCHEN	GERMANY
DCSE	BOERSE MUENCHEN - REGULIERTER MARKT	GERMANY
MNDK	BOERSE MUENCHEN - FREIVERKEHR	GERMANY
DNDK	BOERSE MUENCHEN - MARKET MAKER MUNICH - REGULIERTER MARKT	GERMANY
FNDK	BOERSE MUENCHEN - MARKET MAKER MUNICH - FREIVERKEHR MARKT	GERMANY
MCSE	BOERSE FRANKFURT WARRANTS TECHNICAL	GERMANY
XBVR	BOERSE FRANKFURT WARRANTS TECHNICAL 1	GERMANY
XALG	BOERSE FRANKFURT WARRANTS TECHNICAL 2	GERMANY
XGUA	BOERSE FRANKFURT WARRANTS TECHNICAL 3	GERMANY
XQUI	BOERSE STUTTGART	GERMANY
XTAL	EUWAX	GERMANY
FNEE	BOERSE STUTTGART - REGULIERTER MARKT	GERMANY
NILX	BOERSE STUTTGART - FREIVERKEHR	GERMANY
XCAI	BOERSE STUTTGART - TECHNICAL PLATFORM 2	GERMANY
BMEX	BOERSE STUTTGART - REGULIERTER MARKT - TECHNICAL PLATFORM 2	GERMANY
XVAL	BOERSE STUTTGART - FREIVERKEHR - TECHNICAL PLATFORM 2	GERMANY
XMRV	FRANKFURT CEF SC	GERMANY
XMCE	GHANA STOCK EXCHANGE	GHANA
XMAD	THE GIBRALTAR STOCK EXCHANGE	GIBRALTAR

VALUE	CODE DESCRIPTION	COUNTRY
XLAT	ATHENS STOCK EXCHANGE	GREECE
MARF	ATHENS EXCHANGE ALTERNATIVE MARKET	GREECE
XDRF	HELLENIC EXCHANGE OTC MARKET	GREECE
XBIL	ATHENS EXCHANGE S.A. DERIVATIVES MARKET	GREECE
XBAR	ATHENS EXCHANGE S.A. CASH MARKET	GREECE
BMCL	HELEX ELECTRONIC BOOK BUILDING	GREECE
MABX	ELECTRONIC SECONDARY SECURITIES MARKET (HDAT)	GREECE
MERF	LAGIE - OPERATOR OF THE ENERGY MARKET S.A.	GREECE
SEND	BOLSA DE VALORES NACIONAL SA	GUATEMALA
SBAR	CHANNEL ISLANDS STOCK EXCHANGE	GUERNSEY, C.I.
XMPW	THE GUYANA ASSOCIATION OF SECURITIES COMPANIES AND INTERMEDIARIES INC.	GUYANA
SBIL	BOLSA CENTROAMERICANA DE VALORES S.A.	HONDURAS
IBGH	CITI MATCH	HONG KONG
MIBG	CLSA HONG KONG - DARK	HONG KONG
OMEL	CREDIT SUISSE SECURITIES (HONG KONG) LIMITED	HONG KONG
PAVE	CROSSFINDER HONG KONG	HONG KONG
XDPA	DEUTSCHE BANK HONG KONG ATS	HONG KONG
XNAF	E-OTC	HONG KONG
FGEX	GSX HONG KONG	HONG KONG
XHEL	HSBC-X HONG KONG	HONG KONG
FNFI	JP MORGAN - JPMI MARKET	HONG KONG
MNFI	MACQUARIE INTERNAL MARKETS (HONG KONG)	HONG KONG
MHEL	SIGMA X HONG KONG	HONG KONG
DHEL	TORA CROSSPOINT	HONG KONG
DNFI	UBS CROSS	HONG KONG
XSPS	CHINESE GOLD & SILVER EXCHANGE SOCIETY	HONG KONG
VMFX	HONG KONG FUTURES EXCHANGE LTD.	HONG KONG
COAL	HONG KONG EXCHANGES AND CLEARING LTD	HONG KONG
EPEX	HONG KONG GROWTH ENTERPRISES MARKET	HONG KONG
FMTS	STOCK EXCHANGE OF HONG KONG LIMITED - SHANGHAI - HONG KONG STOCK CONNECT	HONG KONG
GMTF	STOCK EXCHANGE OF HONG KONG LIMITED - SHENZHEN - HONG KONG STOCK CONNECT	HONG KONG
LCHC	INSTINET PACIFIC LTD	HONG KONG
XAFR	POSIT - ASIA PACIFIC	HONG KONG
XBLN	BETA MARKET	HUNGARY
XPAR	HUNGARIAN POWER EXCHANGE	HUNGARY

VALUE	CODE DESCRIPTION	COUNTRY
ALXP	KELER CCP	HUNGARY
XSPM	BUDAPEST STOCK EXCHANGE	HUNGARY
MTCH	CENTRAL EASTERN EUROPEAN GAS EXCHANGE LTD	HUNGARY
XMAT	NASDAQ ICELAND HF.	ICELAND
XMON	NASDAQ ICELAND HF. - NORDIC@MID	ICELAND
XMLI	FIRST NORTH ICELAND	ICELAND
XPOW	FIRST NORTH ICELAND - NORDIC@MID	ICELAND
XPSF	NASDAQ ICELAND HF. – AUCTION ON DEMAND	ICELAND
XPOT	FIRST NORTH ICELAND – AUCTION ON DEMAND	ICELAND
AFDL	ACE DERIVATIVES & COMMODITY EXCHANGE LTD	INDIA
AQXE	CLEARCORP DEALING SYSTEMS (INDIA) LTD.	INDIA
ARAX	CLEARCORP DEALING SYSTEMS INDIA LIMITED – FX-CLEAR	INDIA
ATLB	CLEARCORP DEALING SYSTEMS INDIA LIMITED – FX-SWAP	INDIA
AUTX	CLEARCORP DEALING SYSTEMS INDIA LIMITED – ASTROID	INDIA
AUTP	INDIAN COMMODITY EXCHANGE LTD.	INDIA
AUTB	INTER-CONNECTED STOCK EXCHANGE OF INDIA LTD	INDIA
BALT	MCX STOCK EXCHANGE LTD	INDIA
BLTX	NATIONAL BOARD OF TRADE LIMITED	INDIA
BCXE	NATIONAL MULTI-COMMODITY EXCHANGE OF INDIA	INDIA
BATE	OTC EXCHANGE OF INDIA	INDIA
CHIX	POWER EXCHANGE INDIA LTD.	INDIA
BARO	BANGALORE STOCK EXCHANGE LTD	INDIA
BATF	BSE LTD	INDIA
CHIO	BSE SME	INDIA
BOTC	CALCUTTA STOCK EXCHANGE	INDIA
LISX	DELHI STOCK EXCHANGE	INDIA
CHID	MULTI COMMODITY EXCHANGE OF INDIA LTD.	INDIA
BATD	MADRAS STOCK EXCHANGE	INDIA
BART	NATIONAL COMMODITY & DERIVATIVES EXCHANGE LTD	INDIA
BARK	NATIONAL STOCK EXCHANGE OF INDIA	INDIA
BATP	UNITED STOCK EXCHANGE	INDIA
BGCI	INDONESIA COMMODITY AND DERIVATIVES EXCHANGE	INDONESIA
BGCB	JAKARTA FUTURES EXCHANGE (BURSA BERJANGKA JAKARTA)	INDONESIA
BLOX	INDONESIA STOCK EXCHANGE	INDONESIA
BMTF	JAKARTA NEGOTIATED BOARD	INDONESIA

VALUE	CODE DESCRIPTION	COUNTRY
BOAT	IRAN MERCANTILE EXCHANGE	IRAN
BOSC	TEHRAN STOCK EXCHANGE	IRAN
BRNX	IRAQ STOCK EXCHANGE	IRAQ
BTEE	AREX - AUTOMATED RECEIVABLES EXCHANGE	IRELAND
EBSX	POSIT	IRELAND
CCO2	BAXTER FINANCIAL SERVICES	IRELAND
CGME	IRISH STOCK EXCHANGE - ALL MARKET	IRELAND
CHEV	IRISH STOCK EXCHANGE - GEM - XETRA	IRELAND
BLNK	DUBLIN - IRISH STOCK EXCHANGE - ENTREPRISE SECURITIES MARKET (ESM)- ISE XETRA	IRELAND
CMEE	DUBLIN - IRISH STOCK EXCHANGE - MAIN SECURITIES MARKET (MSM)- ISE XETRA	IRELAND
CMEC	ATLANTIC SECURITIES MARKET	IRELAND
CMED	ENERGY BROKING IRELAND GAS TRADING PLATFORM	IRELAND
CMMT	TEL AVIV STOCK EXCHANGE	ISRAEL
CRYP	CASSA DI COMPENSAZIONE E GARANZIA SPA	ITALY
CSEU	CASSA DI COMPENSAZIONE E GARANZIA SPA - EQUITY CCP SERVICE	ITALY
CSBX	CASSA DI COMPENSAZIONE E GARANZIA SPA - BONDS CCP SERVICE	ITALY
CSCF	CASSA DI COMPENSAZIONE E GARANZIA SPA - EURO BONDS CCP SERVICE	ITALY
DBIX	CASSA DI COMPENSAZIONE E GARANZIA SPA - TRIPARTY REPO CCP SERVICE	ITALY
DBCR	CASSA DI COMPENSAZIONE E GARANZIA SPA - CCP EQUITY DERIVATIVES	ITALY
DBCX	CASSA DI COMPENSAZIONE E GARANZIA SPA - CCP ENERGY DERIVATIVES	ITALY
DBDC	CASSA DI COMPENSAZIONE E GARANZIA SPA - CCP AGRICULTURAL COMMODITY DERIVATIVES	ITALY
DBSE	CASSA DI COMPENSAZIONE E GARANZIA SPA - COLLATERALIZED MONEY MARKET GUARANTEE SERVICE	ITALY
DBMO	E-MID	ITALY
EMBX	E-MID - E-MIDER MARKET	ITALY
ENCL	E-MID REPO	ITALY
EQLD	E-MID - BANCA D'ITALIA SHARES TRADING MARKET	ITALY
EXEU	EUROTLX	ITALY
EXMP	HI-MTF	ITALY
EXOR	HI-MTF ORDER DRIVEN	ITALY
EXVP	HI-MTF RFQ	ITALY

VALUE	CODE DESCRIPTION	COUNTRY
EXBO	MTS S.P.A.	ITALY
EXDC	BONDVISION ITALIA	ITALY
EXCP	MTS ITALIA	ITALY
EXSI	MTS CORPORATE MARKET	ITALY
EXLP	BONDVISION ITALIA MTF	ITALY
FAIR	GESTORE MERCATO ELETTRICO - ITALIAN POWER EXCHANGE	ITALY
GEMX	BORSA ITALIANA S.P.A.	ITALY
GFIC	BORSA ITALIANA EQUITY MTF	ITALY
GFIN	ELECTRONIC OPEN-END FUNDS AND ETC MARKET	ITALY
GFIF	MARKET FOR INVESTMENT VEHICLES	ITALY
GFIR	ELECTRONIC BOND MARKET	ITALY
GMEG	ELECTRONIC SHARE MARKET	ITALY
XLDX	SECURITISED DERIVATIVES MARKET	ITALY
XGCX	AIM ITALIA - MERCATO ALTERNATIVO DEL CAPITALE	ITALY
XGSX	ITALIAN DERIVATIVES MARKET	ITALY
XGDX	EXTRAMOT	ITALY
GRIF	BOURSE REGIONALE DES VALEURS MOBILIERES	IVORY COAST
GRIO	JAMAICA STOCK EXCHANGE	JAMAICA
GRSE	BLOOMBERG TRADEBOOK JAPAN LIMITED	JAPAN
GSIL	CHI-X JAPAN	JAPAN
GSBX	CHI-X JAPAN VWAP CROSSING	JAPAN
GSSI	CHI-X JAPAN SELECT	JAPAN
HPCS	KAI-X	JAPAN
HSXE	CITI MATCH	JAPAN
IBAL	CITI DARK	JAPAN
ICAP	CLSA JAPAN - DARK	JAPAN
ICSE	CLEAR MARKETS JAPAN, INC.	JAPAN
ICTQ	CREDIT SUISSE EQUITIES (JAPAN) LIMITED	JAPAN
WCLK	CROSSFINDER JAPAN	JAPAN
ICAH	DAIWA DRECT	JAPAN
ICEN	BARCLAYS LX JAPAN	JAPAN
IGDL	MACQUARIE INTERNAL MARKETS (JAPAN)	JAPAN
ISDX	MIZUHO INTERNAL CROSSING	JAPAN
IFEU	MORGAN STANLEY MUFG SECURITIES CO., LTD	JAPAN
CXRT	NOMURA SECURITIES CO LTD	JAPAN
IMCO	NX JAPAN	JAPAN
IFUT	NX VWAP	JAPAN
CXOT	NX SELECT JAPAN	JAPAN

VALUE	CODE DESCRIPTION	COUNTRY
IFLL	SBI JAPANNEXT-J-MARKET	JAPAN
IFLX	SBI JAPANNEXT - X - MARKET	JAPAN
IFLO	SBI JAPANNEXT - VWAP CROSSING	JAPAN
IFEN	SBI JAPANNEXT - U - MARKET	JAPAN
ISWA	SIGMA X JAPAN	JAPAN
JPSI	FUKUOKA STOCK EXCHANGE	JAPAN
KLEU	INSTINET JAPAN	JAPAN
LCUR	JAPANCROSSING	JAPAN
LIQU	JAPAN EXCHANGE GROUP	JAPAN
LIQH	TOKYO STOCK EXCHANGE JASDAQ	JAPAN
LIQF	OSAKA EXCHANGE	JAPAN
LMAX	OSAKA EXCHANGE J-NET	JAPAN
LMAF	TOKYO STOCK EXCHANGE-TOKYO PRO MARKET	JAPAN
LMAO	TOKYO STOCK EXCHANGE - TOSTNET-1	JAPAN
LMAD	TOKYO STOCK EXCHANGE - TOSTNET-2	JAPAN
LMAE	TOKYO STOCK EXCHANGE - TOSTNET-3	JAPAN
LMEC	TOKYO STOCK EXCHANGE	JAPAN
LOTG	OSAKA DOJIMA COMMODITY EXCHANGE	JAPAN
PLDX	NAGOYA STOCK EXCHANGE	JAPAN
LPPM	CENTRAL JAPAN COMMODITIES EXCHANGE	JAPAN
MAEL	SAPPORO SECURITIES EXCHANGE	JAPAN
MFGL	TOKYO FINANCIAL EXCHANGE	JAPAN
MLXN	TOKYO COMMODITY EXCHANGE	JAPAN
MLAX	AMMAN STOCK EXCHANGE	JORDAN
MLEU	ETS EURASIAN TRADING SYSTEM COMMODITY EXCHANGE	KAZAKHSTAN
MLVE	KAZAKHSTAN STOCK EXCHANGE	KAZAKHSTAN
MSIP	NAIROBI STOCK EXCHANGE	KENYA
MYTR	KOREA FREEBOARD MARKET	KOREA, REPUBLIC OF
N2EX	KOREA EXCHANGE (STOCK MARKET)	KOREA, REPUBLIC OF
NDCM	KOREA EXCHANGE (FUTURES MARKET)	KOREA, REPUBLIC OF
NEXS	KOREA EXCHANGE (KOSDAQ)	KOREA, REPUBLIC OF
NOFF	KOREA NEW EXCHANGE	KOREA, REPUBLIC OF
NOSI	KOREA EXCHANGE COMMODITY MARKET	KOREA, REPUBLIC OF
NURO	KOREA EXCHANGE EMISSIONS MARKET	KOREA, REPUBLIC OF
XNLX	KUWAIT STOCK EXCHANGE	KUWAIT
NURD	KYRGYZ STOCK EXCHANGE	KYRGYZSTAN
NXEU	LAO SECURITIES EXCHANGE	LAOS
OTCE	NASDAQ RIGA AS	LATVIA

VALUE	CODE DESCRIPTION	COUNTRY
PEEL	FIRST NORTH LATVIA	LATVIA
XRSP	BOURSE DE BEYROUTH - BEIRUT STOCK EXCHANGE	LEBANON
XPHX	LIBYAN STOCK MARKET	LIBYAN ARAB JAMAHIRIYA
PIEU	LGT BANK AG - SYSTEMATIC INTERNALISER	LIECHTENSTEIN
PIRM	BALTPOL	LITHUANIA
QWIX	LITHUANIAN NATURAL GAS EXCHANGE	LITHUANIA
RBCE	AB NASDAQ VILNIUS	LITHUANIA
RBSX	FIRST NORTH LITHUANIA	LITHUANIA
RTSL	FINESTI S.A.	LUXEMBOURG
TRFW	LUXEMBOURG STOCK EXCHANGE	LUXEMBOURG
TRAL	EURO MTF	LUXEMBOURG
SECF	VESTIMA	LUXEMBOURG
SGMX	MACEDONIAN STOCK EXCHANGE	MACEDONIA
SHAR	MARCHE INTERBANCAIRE DES DEVISES M.I.D.	MADAGASCAR
SPEC	MALAWI STOCK EXCHANGE	MALAWI
SPRZ	BURSA MALAYSIA	MALAYSIA
SSEX	ACE MARKET	MALAYSIA
SWAP	LABUAN INTERNATIONAL FINANCIAL EXCHANGE	MALAYSIA
TFSV	RINGGIT BOND MARKET	MALAYSIA
FXOP	MALDIVES STOCK EXCHANGE	MALDIVES
TPIE	EUROPEAN WHOLESALE SECURITIES MARKET	MALTA
TRDE	MALTA STOCK EXCHANGE	MALTA
TFSG	PROSPECTS	MALTA
TCDS	BOURSE AFRICA LIMITED	MAURITIUS
TRDX	AFRICAN STOCK EXCHANGE	MAURITIUS
VOLA	STOCK EXCHANGE OF MAURITIUS LTD	MAURITIUS
NAVE	CITI MEXICO RPI (RETAIL PRICE IMPROVEMENT)	MEXICO
PARX	MERCADO MEXICANO DE DERIVADOS	MEXICO
EMCH	BOLSA MEXICANA DE VALORES (MEXICAN STOCK EXCHANGE)	MEXICO
ELIX	MOLDOVA STOCK EXCHANGE	MOLDOVA, REPUBLIC OF
TREU	MONGOLIAN STOCK EXCHANGE	MONGOLIA
TREO	MONTENEGRO STOCK EXCHANGE	MONTENEGRO, REPUBLIC OF
TREA	CASABLANCA STOCK EXCHANGE	MOROCCO
TRQX	MOZAMBIQUE STOCK EXCHANGE	MOZAMBIQUE
TRQM	NAMIBIAN STOCK EXCHANGE	NAMIBIA
UBSL	NEPAL STOCK EXCHANGE	NEPAL



VALUE	CODE DESCRIPTION	COUNTRY
UBSE	NEW ZEALAND FUTURES & OPTIONS	NEW ZEALAND
UKPX	NEW ZEALAND EXCHANGE LTD	NEW ZEALAND
VEGA	BOLSA DE VALORES DE NICARAGUA	NICARAGUA
WINS	NASD OTC MARKET	NIGERIA
XALT	THE NIGERIAN STOCK EXCHANGE	NIGERIA
XCOR	FISH POOL ASA	NORWAY
XGCL	FISHEX	NORWAY
XLBM	ICAP ENERGY AS	NORWAY
XLCH	NOREXECO ASA	NORWAY
XLDN	NORD POOL SPOT AS	NORWAY
XLME	NASDAQ OMX COMMODITIES	NORWAY
XLON	NASDAQ COMMODITIES - EUR POWER/ENERGY	NORWAY
XLOD	NASDAQ COMMODITIES - SEK POWER/ENERGY	NORWAY
XMTS	NASDAQ COMMODITIES - NOK POWER/ENERGY	NORWAY
HUNG	NASDAQ COMMODITIES - GBP POWER/ENERGY	NORWAY
RMTS	NASDAQ COMMODITIES - FREIGHT COMMODITY	NORWAY
MTSS	NASDAQ COMMODITIES - BULK COMMODITY	NORWAY
MTSG	NASDAQ COMMODITIES - STEEL COMMODITY	NORWAY
MTSA	NOS CLEARING ASA	NORWAY
MCZK	NORWEGIAN OVER THE COUNTER MARKET	NORWAY
GMTS	SIX X-CLEAR AG	NORWAY
VMTS	INTERNATIONAL MARTIME EXCHANGE	NORWAY
UKGD	OSLO BORS ASA	NORWAY
IMTS	NORDIC ALTERNATIVE BOND MARKET	NORWAY
SMTS	OSLO AXESS	NORWAY
AMTS	OSLO CONNECT	NORWAY
EMTS	NORWEGIAN INTER BANK OFFERED RATE	NORWAY
MTSW	OSLO AXESS NORTH SEA - DARK POOL	NORWAY
PORT	OSLO BORS NORTH SEA - DARK POOL	NORWAY
BVUK	MERKUR MARKET - DARK POOL	NORWAY
XSGA	MERKUR MARKET	NORWAY
XSMP	MUSCAT SECURITIES MARKET	OMAN
XSWB	PAKISTAN MERCANTILE EXCHANGE	PAKISTAN
XTUP	THE PAKISTAN STOCK EXCHANGE LIMITED	PAKISTAN
TBEN	PALESTINE SECURITIES EXCHANGE	PALESTINIAN TERRITORY, OCCUPIED
TPEQ	BOLSA DE VALORES DE PANAMA, S.A.	PANAMA
XTPE	PORT MORESBY STOCK EXCHANGE	PAPUA NEW GUINEA
TPSD	BOLSA DE VALORES Y PRODUCTOS DE ASUNCION SA	PARAGUAY

VALUE	CODE DESCRIPTION	COUNTRY
TPRE	BOLSA DE VALORES DE LIMA	PERU
TPFD	CLSA PHILIPPINES - DARK	PHILIPPINES
TPCD	PHILIPPINE DEALING AND EXCHANGE CORP	PHILIPPINES
TBLA	PHILIPPINE STOCK EXCHANGE, INC.	PHILIPPINES
TPEL	INFOENGINE OTC	POLAND
TPSL	KDPW_CCP	POLAND
XUBS	POLISH TRADING POINT	POLAND
XGSE	WARSAW STOCK EXCHANGE/EQUITIES/MAIN MARKET	POLAND
XCIE	WARSAW STOCK EXCHANGE/COMMODITIES/POLISH POWER EXCHANGE/ENERGY MARKET	POLAND
XGHA	WARSAW STOCK EXCHANGE/BONDS/CATALYST/BONDSPOT/MTF	POLAND
GSXL	WARSAW STOCK EXCHANGE/BONDS/CATALYST/BONDSPOT/REGULATED MARKET	POLAND
ASEX	WARSAW STOCK EXCHANGE/BONDS/BONDSPOT/TREASURY BOND MARKET	POLAND
ENAX	WARSAW STOCK EXCHANGE/ EQUITIES/NEW CONNECT-MTF	POLAND
XADE	WARSAW STOCK EXCHANGE/ BONDS/CATALYST/MAIN MARKET	POLAND
HOTC	WARSAW STOCK EXCHANGE/FINANCIAL DERIVATIVES	POLAND
XATH	WARSAW STOCK EXCHANGE/ ETPS	POLAND
XIPO	WARSAW STOCK EXCHANGE/COMMODITIES/POLISH POWER EXCHANGE/GAS	POLAND
HDAT	WARSAW STOCK EXCHANGE/INDICES	POLAND
HEMO	WARSAW STOCK EXCHANGE/BONDS/CATALYST/MTF	POLAND
XGTG	WARSAW STOCK EXCHANGE/BONDS/CATALYST/LISTING	POLAND
GSCI	WARSAW STOCK EXCHANGE/COMMODITIES/POLISH POWER EXCHANGE/COMMODITY DERIVATIVES	POLAND
CGMH	THE IBERIAN ENERGY CLEARING HOUSE	PORTUGAL
CLHK	PEX-PRIVATE EXCHANGE	PORTUGAL
CSHK	EURONEXT - EURONEXT LISBON	PORTUGAL
CFHK	EURONEXT - ALTERNEXT LISBON	PORTUGAL
DBHK	EURONEXT - EASYNEXT LISBON	PORTUGAL
EOTC	EURONEXT - MERCADO DE FUTUROS E OPÇÕES	PORTUGAL
GSXH	OPERADOR DE MERCADO IBERICO DE ENERGIA - PORTUGAL	PORTUGAL
HSXA	EURONEXT - MARKET WITHOUT QUOTATIONS LISBON	PORTUGAL
JPMI	QATAR EXCHANGE	QATAR

VALUE	CODE DESCRIPTION	COUNTRY
MAQH	TROP-X	REPUBLIC OF SEYCHELLES
SIGH	SIBIU MONETARY- FINANCIAL AND COMMODITIES EXCHANGE	ROMANIA
TOCP	BMFMS-ATS	ROMANIA
UBSX	DERIVATIVES REGULATED MARKET - BMFMS	ROMANIA
XCGS	SPOT REGULATED MARKET - BMFMS	ROMANIA
XHKF	ROMANIAN COMMODITIES EXCHANGE	ROMANIA
XHKG	SPOT REGULATED MARKET - BVB	ROMANIA
SZSC	DERIVATIVES REGULATED MARKET - BVB	ROMANIA
SHSC	CAN-ATS	ROMANIA
XGEM	RASDAQ	ROMANIA
XIHK	ROMANIAN POWER MARKET	ROMANIA
XPST	MOSCOW EXCHANGE	RUSSIA
XBCV	MOSCOW EXCHANGE-DERIVATIVES AND CLASSICA MARKET	RUSSIA
XCRO	NATIONAL MERCANTILE EXCHANGE	RUSSIA
XTRZ	MOSCOW ENERGY EXCHANGE	RUSSIA
XZAG	NON-PROFIT PARTNERSHIP FOR THE DEVELOPMENT OF FINANCIAL MARKET RTS	RUSSIA
XZAM	ST. PETERSBURG INTERNATIONAL MERCANTILE EXCHANGE	RUSSIA
BETA	MOSCOW STOCK EXCHANGE	RUSSIA
HUPX	SAINT PETERSBURG EXCHANGE	RUSSIA
KCCP	SAINT-PETERSBURG CURRENCY EXCHANGE	RUSSIA
XBUD	INTERNET DIRECT-ACCESS EXCHANGE	RUSSIA
XGAS	SAMARA CURRENCY INTERBANK EXCHANGE	RUSSIA
ICDX	SIBERIAN EXCHANGE	RUSSIA
XBBJ	RWANDA OTC MARKET	RWANDA
XIDX	RWANDA STOCK EXCHANGE	RWANDA
XJNB	EASTERN CARIBBEAN SECURITIES EXCHANGE	SAINT KITTS AND NEVIS
AREX	SAUDI STOCK EXCHANGE	SAUDI ARABIA
XPOS	BELGRADE STOCK EXCHANGE	SERBIA (REPUBLIC OF)
XCDE	CLEARTRADE EXCHANGE	SINGAPORE
XDUB	EUREX CLEARING ASIA PTE. LTD.	SINGAPORE
XEYE	EUREX EXCHANGE ASIA PTE. LTD.	SINGAPORE
XMSM	ICE FUTURES SINGAPORE	SINGAPORE
XESM	JOINT ASIAN DERIVATIVES EXCHANGE	SINGAPORE
XATL	SINGAPORE MERCANTILE EXCHANGE PTE LTD	SINGAPORE
XEBI	TFS GREEN AUSTRALIAN GREEN MARKETS	SINGAPORE

VALUE	CODE DESCRIPTION	COUNTRY
XTAE	SINGAPORE EXCHANGE	SINGAPORE
ACEX	SINGAPORE COMMODITY EXCHANGE	SINGAPORE
CDSL	SINGAPORE CATALIST MARKET	SINGAPORE
ASTR	SINGAPORE EXCHANGE DERIVATIVES CLEARING LIMITED	SINGAPORE
FXSW	SPX	SLOVAKIA
FXCL	BRATISLAVA STOCK EXCHANGE	SLOVAKIA
ICXL	BRATISLAVA STOCK EXCHANGE-MTF	SLOVAKIA
ISEX	LJUBLJANA STOCK EXCHANGE (OFFICIAL MARKET)	SLOVENIA
MCXX	SI ENTER	SLOVENIA
NBOT	BSP REGIONAL ENERGY EXCHANGE - SOUTH POOL	SLOVENIA
NMCE	JOHANNESBURG STOCK EXCHANGE	SOUTH AFRICA
OTCX	JSE ALTERNATE EXCHANGE	SOUTH AFRICA
PXIL	JSE CASH BOND MARKET	SOUTH AFRICA
XBAN	JSE EQUITY DERIVATIVES MARKET	SOUTH AFRICA
XBOM	JSE COMMODITY DERIVATIVES MARKET	SOUTH AFRICA
BSME	JSE INTEREST RATE DERIVATIVES MARKET	SOUTH AFRICA
XCAL	BME - BOLSAS Y MERCADOS ESPANOL	SPAIN
XDES	MERCADO ALTERNATIVO BURSATIL	SPAIN
XIMC	SEND - SISTEMA ELECTRONICO DE NEGOCIACION DE DEUDA	SPAIN
XMDS	BOLSA DE BARCELONA	SPAIN
XNCD	BOLSA DE VALORES DE BILBAO	SPAIN
XNSE	AIAF - MERCADO DE RENTA FIJA	SPAIN
XUSE	LATIBEX	SPAIN
XIQS	BOLSA DE MADRID	SPAIN
IMEX	MERCADO CONTINUO ESPANOL - CONTINUOUS MARKET	SPAIN
XTEH	MEFF FINANCIAL DERIVATIVES	SPAIN
XICE	BOLSA DE VALENCIA	SPAIN
DICE	MERCADO ELECTRONICO DE RENTA FIJA	SPAIN
MICE	MERCADO ALTERNATIVO DE RENTA FIJA	SPAIN
DNIS	BME CLEARING S.A.	SPAIN
FNIS	MEFF POWER DERIVATIVES	SPAIN
MNIS	BOLSA DE BARCELONA RENTA FIJA	SPAIN
CGIT	BOLSA DE BILBAO RENTA FIJA	SPAIN
CGQT	IBERIAN GAS HUB	SPAIN
CGDB	MERCADO ORGANIZADO DEL GAS	SPAIN
CGEB	OMI POLO ESPANOL S.A. (OMIE)	SPAIN

VALUE	CODE DESCRIPTION	COUNTRY
CGTR	ALTERNATIVE PLATFORM FOR SPANISH SECURITIES	SPAIN
CGQD	CADE - MERCADO DE DEUDA PUBLICA ANOTADA	SPAIN
CGCM	SISTEMA ESPANOL DE NEGOCIACION DE ACTIVOS FINANCIEROS	SPAIN
CGGD	COLOMBO STOCK EXCHANGE	SRI LANKA
CGND	KHARTOUM STOCK EXCHANGE	SUDAN
EMID	SWAZILAND STOCK EXCHANGE	SWAZILAND
EMIR	CRYEX - FX AND DIGITAL CURRENCIES	SWEDEN
EMIB	CRYEX	SWEDEN
EMDR	SEB - LIQUIDITY POOL	SWEDEN
ETLX	SEB ENSKILDA	SWEDEN
HMTF	NORDIC GROWTH MARKET	SWEDEN
HRFQ	NORDIC MTF	SWEDEN
HMOD	NORDIC DERIVATIVES EXCHANGE	SWEDEN
MTSO	NORDIC MTF REPORTING	SWEDEN
MTSM	AKTIETORGET	SWEDEN
SSOB	NASDAQ STOCKHOLM AB	SWEDEN
BOND	FIRST NORTH SWEDEN	SWEDEN
MTSC	OTC PUBLICATION VENUE	SWEDEN
XGME	NASDAQ CLEARING AB	SWEDEN
XMIL	NASDAQ STOCKHOLM AB - NORDIC@MID	SWEDEN
XMOT	FIRST NORTH SWEDEN - NORDIC@MID	SWEDEN
MTAH	NASDAQ STOCKHOLM AB – AUCTION ON DEMAND	SWEDEN
XDMI	FIRST NORTH SWEDEN – AUCTION ON DEMAND	SWEDEN
XAIM	NASDAQ STOCKHOLM AB - DANISH EQ DERIVATIVES	SWEDEN
SEDX	NASDAQ STOCKHOLM AB - FINNISH EQ DERIVATIVES	SWEDEN
MTAA	NASDAQ STOCKHOLM AB - NORWEGIAN EQ DERIVATIVES	SWEDEN
MOTX	NASDAQ STOCKHOLM AB - SWEDISH EQ DERIVATIVES	SWEDEN
MIVX	NASDAQ STOCKHOLM AB - PAN-NORDIC EQ DERIVATIVES	SWEDEN
ETFP	NASDAQ STOCKHOLM AB - EUR WB EQ DERIVATIVES	SWEDEN
XJAM	NASDAQ STOCKHOLM AB - USD WB EQ DERIVATIVES	SWEDEN
XAMM	NASDAQ STOCKHOLM AB - DANISH FI DERIVATIVES	SWEDEN
BETP	NASDAQ STOCKHOLM AB - EUR FI DERIVATIVES	SWEDEN
CHIJ	NASDAQ STOCKHOLM AB - NORWEGIAN FI DERIVATIVES	SWEDEN
CHIS	AIXECUTE	SWITZERLAND
KAIX	SWISS DOTS BY CATS	SWITZERLAND

VALUE	CODE DESCRIPTION	COUNTRY
CHIV	EUREX ZURICH	SWITZERLAND
CITX	EUREX OTC SPOT MARKET	SWITZERLAND
CITD	EUREX REPO MARKET	SWITZERLAND
CLJP	EUREX CH SECLEND MARKET	SWITZERLAND
CMET	SOCIETY3 FUNDERSMART	SWITZERLAND
CSJP	STOXX LIMITED	SWITZERLAND
CFJP	STOXX LIMITED - CUSTOMIZED INDICES	SWITZERLAND
DRCT	STOXX LIMITED - VOLATILITY INDICES	SWITZERLAND
LXJP	STOXX LIMITED - INDICES	SWITZERLAND
MAQJ	UBS TRADING	SWITZERLAND
MIZX	UBS FX	SWITZERLAND
MSMS	UBS PIN-FX	SWITZERLAND
NMRJ	VONTOBEL LIQUIDITY EXTENDER	SWITZERLAND
NXJP	BX SWISS AG	SWITZERLAND
NXVW	SIX SWISS EXCHANGE	SWITZERLAND
NXSE	SIX SWISS EXCHANGE – STRUCTURED PRODUCTS	SWITZERLAND
SBIJ	SIX SWISS EXCHANGE - BLUE CHIPS SEGMENT	SWITZERLAND
SBIU	SIX SWISS BILATERAL TRADING PLATFORM FOR STRUCTURED OTC PRODUCTS	SWITZERLAND
XSBI	SIX CORPORATE BONDS AG	SWITZERLAND
SBIV	SIX SWISS EXCHANGE - SIX SWISS EXCHANGE AT MIDPOINT	SWITZERLAND
SIGJ	SIX SWISS EXCHANGE - SLS	SWITZERLAND
XFKA	ZURCHER KANTONALBANK SECURITIES EXCHANGE	SWITZERLAND
XIJP	ZURCHER KANTONALBANK - EKMU-X	SWITZERLAND
JASR	DAMASCUS SECURITIES EXCHANGE	SYRIAN ARAB REPUBLIC
XJPX	TAIPEI EXCHANGE	TAIWAN
XTK2	TAIWAN FUTURES EXCHANGE	TAIWAN
XTAM	TAIWAN STOCK EXCHANGE	TAIWAN
XTK1	DAR ES SALAAM STOCK EXCHANGE	TANZANIA
XTK3	AGRICULTURAL FUTURES EXCHANGE OF THAILAND	THAILAND
XTKS	BOND ELECTRONIC EXCHANGE	THAILAND
XJAS	THAILAND FUTURES EXCHANGE	THAILAND
XOSE	STOCK EXCHANGE OF THAILAND	THAILAND
XOSJ	STOCK EXCHANGE OF THAILAND - FOREIGN BOARD	THAILAND
XKAC	MARKET FOR ALTERNATIVE INVESTMENT	THAILAND
XNGO	CLIMEX	THE NETHERLANDS
XNKS	ICE CLEAR NETHERLANDS B.V.	THE NETHERLANDS
XSAP	ICE ENDEX DERIVATIVES B.V.	THE NETHERLANDS

VALUE	CODE DESCRIPTION	COUNTRY
XTFF	ICE MARKETS EQUITY	THE NETHERLANDS
XTKT	ICE ENDEX GAS B.V.	THE NETHERLANDS
XNAI	APX POWER NL	THE NETHERLANDS
XKSE	TOM MTF CASH MARKETS	THE NETHERLANDS
XCSX	TOM MTF DERIVATIVES MARKET	THE NETHERLANDS
XECS	EURONEXT - EURONEXT AMSTERDAM	THE NETHERLANDS
XKFB	EURONEXT - ALTERNEXT AMSTERDAM	THE NETHERLANDS
XKRX	EURONEXT - TRADED BUT NOT LISTED AMSTERDAM	THE NETHERLANDS
XKON	EURONEXT COM, COMMODITIES FUTURES AND OPTIONS	THE NETHERLANDS
XKFE	EURONEXT EQF, EQUITIES AND INDICES DERIVATIVES	THE NETHERLANDS
XKCM	EURONEXT IRF, INTEREST RATE FUTURE AND OPTIONS	THE NETHERLANDS
XKEM	EMS EXCHANGE	THE NETHERLANDS
XKOS	NXCHANGE	THE NETHERLANDS
XKUW	TRINIDAD AND TOBAGO STOCK EXCHANGE	TRINIDAD AND TOBAGO
XCAY	BOURSE DE TUNIS	TUNISIA
ETSC	ENERGY EXCHANGE ISTANBUL	TURKEY
XKAZ	ELECTRICITY INTRA-DAY MARKET	TURKEY
XLAO	ELECTRICITY DAY-AHEAD MARKET	TURKEY
XBEY	BORSA ISTANBUL	TURKEY
XLGT	BORSA ISTANBUL - FUTURES AND OPTIONS MARKET	TURKEY
XCOL	BORSA ISTANBUL - EQUITY MARKET	TURKEY
BAPX	BORSA ISTANBUL - DEBT SECURITIES MARKET	TURKEY
GETB	BORSA ISTANBUL - PRECIOUS METALS AND DIAMONDS MARKETS	TURKEY
XLIT	ALT XCHANGE (U)	UGANDA
FNLT	UGANDA SECURITIES EXCHANGE	UGANDA
CCLX	EAST EUROPEAN STOCK EXCHANGE	UKRAINE
XLUX	PFTS STOCK EXCHANGE	UKRAINE
EMTF	PFTS QUOTE DRIVEN	UKRAINE
XVES	STOCK EXCHANGE PERSPECTIVA	UKRAINE
XRIS	UKRAINIAN EXCHANGE	UKRAINE
FNLV	JOINT-STOCK COMPANY "STOCK EXCHANGE INNEX"	UKRAINE
XLSM	KHARKOV COMMODITY EXCHANGE	UKRAINE
XCAS	KIEV UNIVERSAL EXCHANGE	UKRAINE
XMOL	KIEV INTERNATIONAL STOCK EXCHANGE	UKRAINE
XMNX	ODESSA COMMODITY EXCHANGE	UKRAINE
XMDG	PRIDNEPROVSK COMMODITY EXCHANGE	UKRAINE

VALUE	CODE DESCRIPTION	COUNTRY
XMAE	UKRAINIAN STOCK EXCHANGE	UKRAINE
XULA	UKRAINIAN UNIVERSAL COMMODITY EXCHANGE	UKRAINE
EWSM	DUBAI GOLD & COMMODITIES EXCHANGE DMCC	UNITED ARAB EMIRATES
XMAL	NASDAQ DUBAI	UNITED ARAB EMIRATES
PROS	DUBAI MERCANTILE EXCHANGE	UNITED ARAB EMIRATES
GBOT	ABU DHABI SECURITIES EXCHANGE	UNITED ARAB EMIRATES
XAFX	DUBAI FINANCIAL MARKET	UNITED ARAB EMIRATES
XMAU	ABIDE FINANCIAL DRSP LIMITED APA	UNITED KINGDOM
MALX	AQUIS EXCHANGE	UNITED KINGDOM
XMSW	ARAX COMMODITIES LTD	UNITED KINGDOM
CGMX	ATLANTIC BROKERS LTD	UNITED KINGDOM
XEMD	AUTILLA	UNITED KINGDOM
XMEX	AUTILLA - PRECIOUS METALS	UNITED KINGDOM
XKLS	AUTILLA - BASE METALS	UNITED KINGDOM
MESQ	THE BALTIC EXCHANGE	UNITED KINGDOM
XLFX	BALTEX - FREIGHT DERIVATIVES MARKET	UNITED KINGDOM
XRBM	BATS EUROPE	UNITED KINGDOM
XBVM	BATS EUROPE -BXE ORDER BOOKS	UNITED KINGDOM
XNAM	BATS EUROPE - CXE ORDER BOOKS	UNITED KINGDOM
NASX	BATS EUROPE -BXE DARK ORDER BOOK	UNITED KINGDOM
XNSA	BATS EUROPE - CXE DARK ORDER BOOK	UNITED KINGDOM
XMAN	BATS EUROPE – BATS OFF-BOOK	UNITED KINGDOM
CLMX	BATS EUROPE - CXE - OFF-BOOK	UNITED KINGDOM
HCHC	OFF EXCHANGE IDENTIFIER FOR OTC TRADES REPORTED TO BATS EUROPE	UNITED KINGDOM
NDEX	BATS EUROPE - BXE PERIODIC	UNITED KINGDOM
IMEQ	BATS EUROPE - REGULATED MARKET OFF BOOK	UNITED KINGDOM
NDXS	BATS EUROPE - REGULATED MARKET DARK BOOK	UNITED KINGDOM
NLPX	BATS EUROPE - REGULATED MARKET INTEGRATED BOOK	UNITED KINGDOM
TOMX	BATS EUROPE - LIS SERVICE	UNITED KINGDOM
TOMD	BGC BROKERS LP	UNITED KINGDOM
XAMS	BGC BROKERS LP - TRAYPORT	UNITED KINGDOM
XEUE	BLOCKMATCH	UNITED KINGDOM
XEUC	BLOOMBERG TRADING FACILITY LIMITED	UNITED KINGDOM
TNLA	CINNOBER BOAT	UNITED KINGDOM
ALXA	BONDSCAPE	UNITED KINGDOM
XEUI	BERNSTEIN CROSS (BERN-X)	UNITED KINGDOM
XEMS	BROKERTEC EU MTF	UNITED KINGDOM



VALUE	CODE DESCRIPTION	COUNTRY
XNXC	EBS MTF	UNITED KINGDOM
FISH	CANTORCO2E.COM LIMITED	UNITED KINGDOM
FSHX	CITI MATCH	UNITED KINGDOM
ICAS	CA CHEUVREUX	UNITED KINGDOM
NEXO	BLINK MTF	UNITED KINGDOM
NOPS	CME EUROPE	UNITED KINGDOM
NORX	CME CLEARING EUROPE	UNITED KINGDOM
STEE	CME EUROPE - DERIVATIVES	UNITED KINGDOM
BULK	CLEAR MARKETS EUROPE LIMITED	UNITED KINGDOM
ELUK	CRYPTO FACILITIES	UNITED KINGDOM
ELNO	CREDIT SUISSE (EUROPE)	UNITED KINGDOM
ELSE	CREDIT SUISSE AES CROSSFINDER EUROPE	UNITED KINGDOM
FREI	CREDIT SUISSE AES EUROPE BENCHMARK CROSS	UNITED KINGDOM
ELEU	DEUTSCHE BANK INTERNALISATION	UNITED KINGDOM
NOSC	DEUTSCHE BANK - DIRECT CAPITAL ACCESS	UNITED KINGDOM
NOTC	DEUTSCHE BANK - CLOSE CROSS	UNITED KINGDOM
OSLC	DEUTSCHE BANK - CENTRAL RISK BOOK	UNITED KINGDOM
XIMA	DEUTSCHE BANK - MANUAL OTC	UNITED KINGDOM
XOSL	DEUTSCHE BANK - SUPERX EU	UNITED KINGDOM
XOAS	EMERGING MARKETS BOND EXCHANGE LIMITED	UNITED KINGDOM
XOAM	ENCLEAR	UNITED KINGDOM
XOSD	EQUILEND EUROPE LIMITED	UNITED KINGDOM
MERK	EXANE BNP PARIBAS	UNITED KINGDOM
XOSC	EXANE BNP PARIBAS - MID POINT	UNITED KINGDOM
XOAD	EXANE BNP PARIBAS - CHILD ORDER CROSSING	UNITED KINGDOM
NIBR	EXANE BNP PARIBAS - VOLUME PROFILE CROSSING	UNITED KINGDOM
MERD	EXANE BNP PARIBAS - BID-OFFER CROSSING	UNITED KINGDOM
XNEP	EXANE BNP PARIBAS - SYSTEMATIC INTERNALISER	UNITED KINGDOM
NZFX	EXANE BNP PARIBAS - CLOSING PRICE	UNITED KINGDOM
XNZE	EXANE BNP PARIBAS - LIQUIDITY PROVISION	UNITED KINGDOM
XMUS	EXANE BNP PARIBAS - DIRECT CAPITAL ACCESS	UNITED KINGDOM
XPTY	CANTOR SPREADFAIR	UNITED KINGDOM
XLIM	GEMMA (GILT EDGED MARKET MAKERS'ASSOCIATION)	UNITED KINGDOM
XPOM	GFI CREDITMATCH	UNITED KINGDOM
CLPH	GFI FOREXMATCH	UNITED KINGDOM
PDEX	GFI ENERGYMATCH	UNITED KINGDOM
XPHS	GFI RATESMATCH	UNITED KINGDOM
NCEL	GMEX EXCHANGE	UNITED KINGDOM

VALUE	CODE DESCRIPTION	COUNTRY
XKAR	LONDON DERIVATIVES EXCHANGE	UNITED KINGDOM
IENG	GLOBAL DERIVATIVES EXCHANGE	UNITED KINGDOM
KDPW	GLOBAL SECURITIES EXCHANGE	UNITED KINGDOM
PTPG	GLOBAL COMMODITIES EXCHANGE	UNITED KINGDOM
XWAR	GRIFFIN MARKETS LIMITED	UNITED KINGDOM
TBSP	GRIFFIN MARKETS LIMITED - OTF	UNITED KINGDOM
PLPD	THE GREEN STOCK EXCHANGE - ACB IMPACT MARKETS	UNITED KINGDOM
WGAS	GOLDMAN SACHS INTERNATIONAL	UNITED KINGDOM
WIND	GOLDMAN SACHS INTERNATIONAL - SYSTEMATIC INTERNALISER	UNITED KINGDOM
RPWC	GOLDMAN SACHS INTERNATIONAL - SIGMA BCN	UNITED KINGDOM
WETP	HPC SA	UNITED KINGDOM
WDER	HSBC-X UNITED KINGDOM	UNITED KINGDOM
WMTF	ICE BENCHMARK ADMINISTRATION	UNITED KINGDOM
XNCO	ICAP EUROPE	UNITED KINGDOM
PLPX	TRAYPORT	UNITED KINGDOM
WBCL	ICAP ENERGY	UNITED KINGDOM
BOSP	ICAP SECURITIES	UNITED KINGDOM
WBON	ICAP TRUEQUOTE	UNITED KINGDOM
XPAE	ICAP WCLK	UNITED KINGDOM
OMIC	ICAP SECURITIES & DERIVATIVES EXCHANGE LIMITED	UNITED KINGDOM
OPEX	ICAP GLOBAL DERIVATIVES LIMITED	UNITED KINGDOM
XLIS	ICE FUTURES EUROPE	UNITED KINGDOM
ALXL	CREDITEX BROKERAGE LLP - MTF	UNITED KINGDOM
ENXL	ICE MARKETS COMMODITIES	UNITED KINGDOM
MFOX	ICE FUTURES EUROPE - EQUITY PRODUCTS DIVISION	UNITED KINGDOM
WQXL	ICE FUTURES EUROPE - FINANCIAL PRODUCTS DIVISION	UNITED KINGDOM
OMIP	ICE FUTURES EUROPE - EUROPEAN UTILITIES DIVISION	UNITED KINGDOM
XVPA	ICE FUTURES EUROPE - AGRICULTURAL PRODUCTS DIVISION	UNITED KINGDOM
DSMD	ICE FUTURES EUROPE - OIL AND REFINED PRODUCTS DIVISION	UNITED KINGDOM
BMFX	CREDITEX BROKERAGE LLP - OTF	UNITED KINGDOM
SBMF	I-SWAP	UNITED KINGDOM
BMFM	J.P. MORGAN SECURITIES PLC	UNITED KINGDOM
BMFA	KNIGHT LINK EUROPE	UNITED KINGDOM
XBRM	CURRENEX LDFX	UNITED KINGDOM

VALUE	CODE DESCRIPTION	COUNTRY
XBSE	LIQUIDNET SYSTEMS	UNITED KINGDOM
XBSD	LIQUIDNET H20	UNITED KINGDOM
XRAS	LIQUIDNET EUROPE LIMITED	UNITED KINGDOM
XCAN	LMAX	UNITED KINGDOM
XRPM	LMAX - DERIVATIVES	UNITED KINGDOM
XBEL	LMAX - EQUITIES	UNITED KINGDOM
MISX	LMAX - FX	UNITED KINGDOM
RTSX	LMAX - INDICES/RATES/COMMODITIES	UNITED KINGDOM
NAMX	LME CLEAR	UNITED KINGDOM
RPDX	OTC MARKET	UNITED KINGDOM
RUSX	PLUS DERIVATIVES EXCHANGE	UNITED KINGDOM
SPIM	LONDON PLATINUM AND PALLADIUM MARKET	UNITED KINGDOM
XMOS	MARKETAXESS EUROPE LIMITED	UNITED KINGDOM
XPET	MF GLOBAL ENERGY MTF	UNITED KINGDOM
XPIC	BANK OF AMERICA - MERRILL LYNCH INSTINCT X - EUROPE	UNITED KINGDOM
XRUS	BANK OF AMERICA - MERRILL LYNCH AUCTION CROSS	UNITED KINGDOM
XSAM	BANK OF AMERICA - MERRILL LYNCH OTC - EUROPE	UNITED KINGDOM
XSIB	BANK OF AMERICA - MERRILL LYNCH VWAP CROSS - EUROPE	UNITED KINGDOM
ROTC	MORGAN STANLEY AND CO. INTERNATIONAL PLC	UNITED KINGDOM
RSEX	MYTREASURY	UNITED KINGDOM
XSAU	N2EX	UNITED KINGDOM
TRPX	ICE ENDEX GAS SPOT LTD	UNITED KINGDOM
XKHA	NEX SEF	UNITED KINGDOM
CRYD	NOMURA OTC TRADES	UNITED KINGDOM
CRYX	NOMURA SYSTEMATIC INTERNALISER	UNITED KINGDOM
SEBX	NASDAQ OMX EUROPE	UNITED KINGDOM
ENSX	NASDAQ OMX NLX	UNITED KINGDOM
XNGM	NASDAQ EUROPE (NURO) DARK	UNITED KINGDOM
NMTF	NX	UNITED KINGDOM
XNDX	OTCEX	UNITED KINGDOM
XNMR	PEEL HUNT LLP UK	UNITED KINGDOM
XSAT	PEEL HUNT RETAIL	UNITED KINGDOM
XSTO	PEEL HUNT CROSSING	UNITED KINGDOM
XOPV	ARITAS FINANCIAL LTD	UNITED KINGDOM
NOED	PIRUM	UNITED KINGDOM
MNSE	Q-WIXX PLATFORM	UNITED KINGDOM
MSTO	RBC EUROPE LIMITED	UNITED KINGDOM

VALUE	CODE DESCRIPTION	COUNTRY
CSTO	RBS CROSS	UNITED KINGDOM
PNED	REUTERS TRANSACTION SERVICES LIMITED	UNITED KINGDOM
FIED	REUTERS TRANSACTION SERVICES LIMITED - FORWARDS MATCHING	UNITED KINGDOM
FNSE	REUTERS TRANSACTION SERVICES LIMITED - FXALL RFQ	UNITED KINGDOM
SEED	SECFINEX	UNITED KINGDOM
DNSE	SIGMA X MTF	UNITED KINGDOM
DSTO	ASSET MATCH	UNITED KINGDOM
DKFI	SPECTRONLIVE	UNITED KINGDOM
DKED	SPREADZERO	UNITED KINGDOM
EUWB	SOCIAL STOCK EXCHANGE	UNITED KINGDOM
EBON	SWAPSTREAM	UNITED KINGDOM
USWB	VOLBROKER	UNITED KINGDOM
NOFI	TRADITION-NEX OTF	UNITED KINGDOM
CLTD	THE PROPERTY INVESTMENT EXCHANGE	UNITED KINGDOM
ECAL	TRADITION ELECTRONIC TRADING PLATFORM	UNITED KINGDOM
EEAL	NAVESIS-MTF	UNITED KINGDOM
IFSG	TRADITION CDS	UNITED KINGDOM
JADX	TRAD-X	UNITED KINGDOM
SMEX	TRADITION - VOLATIS	UNITED KINGDOM
TFSA	TRADITION ENERGY	UNITED KINGDOM
XSES	PARFX	UNITED KINGDOM
XSCE	ELIXIUM	UNITED KINGDOM
XSIM	FINACOR EMATCH	UNITED KINGDOM
XSCA	TRADEWEB EUROPE LIMITED	UNITED KINGDOM
XLJU	TRADEWEB EUROPE LIMITED - APA	UNITED KINGDOM
XLJM	TRADEWEB EUROPE LIMITED - OTF	UNITED KINGDOM
XSOP	TURQUOISE	UNITED KINGDOM
SPXE	TURQUOISE DARK	UNITED KINGDOM
XBRA	UBS EMEA EQUITIES TRADING	UNITED KINGDOM
EBRA	UBS PIN (EMEA)	UNITED KINGDOM
XSVA	APX POWER UK	UNITED KINGDOM
XDSE	VEGA-CHI	UNITED KINGDOM
XSWA	WINTERFLOOD SECURITIES LIMITED	UNITED KINGDOM
AFET	ALTEX-ATS	UNITED KINGDOM
BEEX	ICMA	UNITED KINGDOM
TFEX	GLOBAL COAL LIMITED	UNITED KINGDOM
XBKK	LONDON BULLION MARKET	UNITED KINGDOM

VALUE	CODE DESCRIPTION	COUNTRY
XMAI	LCH.CLEARNET LTD	UNITED KINGDOM
XBKF	EURONEXT - EURONEXT LONDON	UNITED KINGDOM
XTUN	LONDON METAL EXCHANGE	UNITED KINGDOM
EXTR	LONDON STOCK EXCHANGE	UNITED KINGDOM
XEID	LONDON STOCK EXCHANGE - DERIVATIVES MARKET	UNITED KINGDOM
XEDA	EUROMTS LTD	UNITED KINGDOM
XIST	MTS HUNGARY	UNITED KINGDOM
XPMS	UK GILTS MARKET	UNITED KINGDOM
XDSM	MTS NETHERLANDS	UNITED KINGDOM
XEQY	EUROMTS	UNITED KINGDOM
XFNO	MTS GERMANY	UNITED KINGDOM
XTRN	MTS IRELAND	UNITED KINGDOM
ROCO	MTS CZECH REPUBLIC	UNITED KINGDOM
XTAF	MTS AUSTRIA	UNITED KINGDOM
XTAI	MTS GREECE	UNITED KINGDOM
XDAR	MTS INTERDEALER SWAPS MARKET	UNITED KINGDOM
EESE	MTS ISRAEL	UNITED KINGDOM
PFTS	MTS SPAIN	UNITED KINGDOM
PFTQ	MTS SLOVENIA	UNITED KINGDOM
SEPE	BONDVISION UK	UNITED KINGDOM
UKEX	MTS PORTUGAL	UNITED KINGDOM
XDFB	MTS SWAP MARKET	UNITED KINGDOM
XKHR	ALPHA Y	UNITED KINGDOM
XKIE	SMARTPOOL	UNITED KINGDOM
XKIS	SWX SWISS BLOCK	UNITED KINGDOM
XODE	TULLETT PREBON PLC	UNITED KINGDOM
XPRI	TULLETT PREBON PLC - TP EQUITYTRADE	UNITED KINGDOM
XUAX	TULLETT PREBON PLC - TP ENERGY	UNITED KINGDOM
XUKR	TULLETT PREBON PLC - TP TRADEBLADE	UNITED KINGDOM
ULTX	TULLETT PREBON PLC - TP CREDITDEAL	UNITED KINGDOM
XUGA	TULLETT PREBON PLC - TP FORWARDDEAL	UNITED KINGDOM
AATS	TULLETT PREBON PLC - TP REPO	UNITED KINGDOM
AQUA	TULLETT PREBON PLC - TP SWAPDEAL	UNITED KINGDOM
ATDF	TULLETT PREBON PLC - TP ENERGYTRADE	UNITED KINGDOM
CORE	TULLETT PREBON PLC – TULLETT PREBON (EUROPE) LIMITED	UNITED KINGDOM
BAML	TULLETT PREBON PLC – TULLETT PREBON (SECURITIES) LIMITED	UNITED KINGDOM
MLVX	UBS MTF	UNITED KINGDOM

VALUE	CODE DESCRIPTION	COUNTRY
MLCO	ASSENT ATS	UNITED STATES OF AMERICA
BARX	AQUA EQUITIES L.P.	UNITED STATES OF AMERICA
BARL	AUTOMATED TRADING DESK FINANCIAL SERVICES, LLC	UNITED STATES OF AMERICA
BARD	ATD - CITIGROUP AGENCY OPTION AND EQUITIES ROUTING ENGINE	UNITED STATES OF AMERICA
BCDX	BANK OF AMERICA - MERRILL LYNCH INSTINCT X ATS	UNITED STATES OF AMERICA
BATS	BANK OF AMERICA - MERRILL LYNCH VWAP CROSS	UNITED STATES OF AMERICA
BATO	BANK OF AMERICA - MERRILL LYNCH OTC	UNITED STATES OF AMERICA
BATY	BARCLAYS ATS	UNITED STATES OF AMERICA
BZXD	BARCLAYS FX – TRADING	UNITED STATES OF AMERICA
BYXD	BARCLAYS LIQUID MARKETS	UNITED STATES OF AMERICA
BBSF	BARCLAYS DIRECT EX ATS	UNITED STATES OF AMERICA
BGCF	BATS Z-EXCHANGE	UNITED STATES OF AMERICA
BGCD	BZX OPTIONS MARKET	UNITED STATES OF AMERICA
BHSF	BATS Y-EXCHANGE, INC.	UNITED STATES OF AMERICA
BIDS	BATS Z-EXCHANGE DARK	UNITED STATES OF AMERICA
BLTD	BATS Y-EXCHANGE DARK	UNITED STATES OF AMERICA
BPOL	BLOOMBERG SEF LLC	UNITED STATES OF AMERICA
BNYC	BGC FINANCIAL INC	UNITED STATES OF AMERICA
VTEX	BGC DERIVATIVE MARKETS L.P.	UNITED STATES OF AMERICA
NYFX	BATS HOTSPOT SEF LLC	UNITED STATES OF AMERICA
BTEC	BIDS TRADING L.P.	UNITED STATES OF AMERICA
ICSU	BLOOMBERG TRADEBOOK LLC	UNITED STATES OF AMERICA
CDED	BLOOMBERG BPOOL	UNITED STATES OF

VALUE	CODE DESCRIPTION	COUNTRY
		AMERICA
CGMI	CONVERGEX	UNITED STATES OF AMERICA
CICX	VORTEX	UNITED STATES OF AMERICA
LQFI	MILLENNIUM	UNITED STATES OF AMERICA
CBLC	ICAP ELECTRONIC BROKING (US)	UNITED STATES OF AMERICA
CMSF	ICAP SEF (US) LLC.	UNITED STATES OF AMERICA
CRED	CITADEL SECURITIES	UNITED STATES OF AMERICA
CSLP	CITIGROUP GLOBAL MARKETS	UNITED STATES OF AMERICA
CAES	CITI CROSS	UNITED STATES OF AMERICA
DBSX	CITI LIQUIFI	UNITED STATES OF AMERICA
DEAL	CITIBLOC	UNITED STATES OF AMERICA
EDGE	CLEAR MARKETS NORTH AMERICA, INC.	UNITED STATES OF AMERICA
EDDP	CREDIT SUISSE (US)	UNITED STATES OF AMERICA
EDGA	CREDIT SUISSE AES CROSSFINDER	UNITED STATES OF AMERICA
EDGD	CREDIT SUISSE LIGHT POOL	UNITED STATES OF AMERICA
EDGX	DEUTSCHE BANK SUPER X	UNITED STATES OF AMERICA
EDGO	DCX (DERIVATIVES CURRENCY EXCHANGE)	UNITED STATES OF AMERICA
EGMT	BATS DIRECT EDGE	UNITED STATES OF AMERICA
ERIS	EDGX EXCHANGE DARK	UNITED STATES OF AMERICA
FAST	EDGA EXCHANGE	UNITED STATES OF AMERICA
FINR	EDGA EXCHANGE DARK	UNITED STATES OF AMERICA
OOTC	EDGX EXCHANGE	UNITED STATES OF AMERICA
FINO	EDGX OPTIONS MARKET	UNITED STATES OF AMERICA

VALUE	CODE DESCRIPTION	COUNTRY
FINN	EG MARKET TECHNOLOGIES	UNITED STATES OF AMERICA
FINY	ERIS EXCHANGE	UNITED STATES OF AMERICA
XADF	FASTMATCH	UNITED STATES OF AMERICA
FSEF	FINRA	UNITED STATES OF AMERICA
FXAL	FINRA/NASDAQ TRF(TRADE REPORTING FACILITY)	UNITED STATES OF AMERICA
FXCM	FINRA ORF (TRADE REPORTING FACILITY)	UNITED STATES OF AMERICA
G1XX	FINRA/NYSE TRF (TRADE REPORTING FACILITY)	UNITED STATES OF AMERICA
GLLC	FINRA ALTERNATIVE DISPLAY FACILITY (ADF)	UNITED STATES OF AMERICA
GLPS	OTHER OTC	UNITED STATES OF AMERICA
GLPX	FTSEF LLC	UNITED STATES OF AMERICA
GOVX	FXALL	UNITED STATES OF AMERICA
GREE	FXCM	UNITED STATES OF AMERICA
GSEF	G1 EXECUTION SERVICES	UNITED STATES OF AMERICA
GTCO	GATE US LLC	UNITED STATES OF AMERICA
GTSX	ESSEX RADEZ, LLC	UNITED STATES OF AMERICA
GTXS	ACS EXECUTION SERVICES, LLC	UNITED STATES OF AMERICA
HEGX	GOVEX	UNITED STATES OF AMERICA
HPPO	THE GREEN EXCHANGE	UNITED STATES OF AMERICA
HSFX	GFI SWAPS EXCHANGE, LLC	UNITED STATES OF AMERICA
ICEL	KCG AMERICAS LLC	UNITED STATES OF AMERICA
IEXG	GTSX	UNITED STATES OF AMERICA
IFUS	GTX SEF, LLC	UNITED STATES OF AMERICA
IMCC	NADEX	UNITED STATES OF



VALUE	CODE DESCRIPTION	COUNTRY
		AMERICA
ICES	POTAMUS TRADING LLC	UNITED STATES OF AMERICA
IFED	HOTSPOT FX	UNITED STATES OF AMERICA
IMCG	ISLAND ECN LTD, THE	UNITED STATES OF AMERICA
IMIR	INVESTORS EXCHANGE	UNITED STATES OF AMERICA
IMCR	ICE FUTURES U.S.	UNITED STATES OF AMERICA
IMFX	INTERCONTINENTAL EXCHANGE	UNITED STATES OF AMERICA
IMEN	ICE MARKETS FOREIGN EXCHANGE	UNITED STATES OF AMERICA
IMAG	ICE MARKETS AGRICULTURE	UNITED STATES OF AMERICA
IMBD	ICE MARKETS BONDS	UNITED STATES OF AMERICA
IEPA	ICE MARKETS CREDIT	UNITED STATES OF AMERICA
ISDA	ICE MARKETS ENERGY	UNITED STATES OF AMERICA
ITGI	ICE MARKETS RATES	UNITED STATES OF AMERICA
JEFX	ICE FUTURES U.S. ENERGY DIVISION	UNITED STATES OF AMERICA
JPBX	CREDITEX LLC	UNITED STATES OF AMERICA
JPMX	CREDITEX SECURITIES CORPORATION	UNITED STATES OF AMERICA
JSES	ICE SWAP TRADE LLC	UNITED STATES OF AMERICA
JSJX	ISDAFIX	UNITED STATES OF AMERICA
KNIG	ITG - POSIT	UNITED STATES OF AMERICA
ACKF	JETX	UNITED STATES OF AMERICA
KNCM	JPBX	UNITED STATES OF AMERICA
KNEM	JPMX	UNITED STATES OF AMERICA
KNLI	JANE STREET EXECUTION SERVICES LLC	UNITED STATES OF AMERICA

VALUE	CODE DESCRIPTION	COUNTRY
KNMX	JANE STREET JX	UNITED STATES OF AMERICA
LASF	KNIGHT	UNITED STATES OF AMERICA
LEVL	KNIGHT CAPITAL MARKETS LLC	UNITED STATES OF AMERICA
LIUS	KNIGHT EQUITY MARKETS LP	UNITED STATES OF AMERICA
LIUH	KNIGHT LINK	UNITED STATES OF AMERICA
LIFI	KNIGHT MATCH ATS	UNITED STATES OF AMERICA
LQED	KCG ACKNOWLEDGE FI	UNITED STATES OF AMERICA
LTAA	LATAM SEF	UNITED STATES OF AMERICA
LMNX	LEVEL ATS	UNITED STATES OF AMERICA
MIHI	LIQUIDNET, INC.	UNITED STATES OF AMERICA
XMIO	LIQUIDNET, INC. H2O ATS	UNITED STATES OF AMERICA
MPRL	LIQUIDNET, INC. FIXED INCOME ATS	UNITED STATES OF AMERICA
MSCO	LIQUIDITYEDGE	UNITED STATES OF AMERICA
MSLP	LUMINEX TRADING & ANALYTICS LLC	UNITED STATES OF AMERICA
MSTX	LUMINEX TRADING & ANALYTICS LLC - ATS	UNITED STATES OF AMERICA
MSPL	MIAMI INTERNATIONAL HOLDINGS, INC.	UNITED STATES OF AMERICA
MSRP	MIAMI INTERNATIONAL SECURITIES EXCHANGE	UNITED STATES OF AMERICA
MTUS	MIAX PEARL, LLC	UNITED STATES OF AMERICA
MTSB	MORGAN STANLEY AND CO. LLC	UNITED STATES OF AMERICA
BVUS	MS POOL	UNITED STATES OF AMERICA
MTXX	MS RETAIL POOL	UNITED STATES OF AMERICA
MTXC	MS TRAJECTORY CROSS	UNITED STATES OF AMERICA
MTXM	MORGAN STANLEY AUTOMATED LIQUIDITY PROVISION	UNITED STATES OF

VALUE	CODE DESCRIPTION	COUNTRY
		AMERICA
MTXA	MTS US	UNITED STATES OF AMERICA
MTXS	BONDVISION US	UNITED STATES OF AMERICA
NBLX	MTS BONDS.COM	UNITED STATES OF AMERICA
NFSC	MARKETAXESS CORPORATION	UNITED STATES OF AMERICA
XSTM	MARKETAXESS CORPORATION MID-X TRADING SYSTEM	UNITED STATES OF AMERICA
NFSD	MARKETAXESS CORPORATION SINGLE-NAME CDS CENTRAL LIMIT ORDER	UNITED STATES OF AMERICA
NFSA	MARKETAXESS SEF CORPORATION	UNITED STATES OF AMERICA
NMRA	MARKETAXESS CANADA COMPANY	UNITED STATES OF AMERICA
NODX	NOBLE EXCHANGE	UNITED STATES OF AMERICA
NXUS	NATIONAL FINANCIAL SERVICES, LLC	UNITED STATES OF AMERICA
NYPC	FIDELITY CROSSSTREAM	UNITED STATES OF AMERICA
OLLC	FIDELITY DARK	UNITED STATES OF AMERICA
OPRA	FIDELITY CROSSSTREAM ATS	UNITED STATES OF AMERICA
OTCM	NOMURA SECURITIES INTERNATIONAL	UNITED STATES OF AMERICA
CAVE	NODAL EXCHANGE	UNITED STATES OF AMERICA
OTCB	NX ATS - CROSSING PLATFORM	UNITED STATES OF AMERICA
PINI	NEW YORK PORTFOLIO CLEARING	UNITED STATES OF AMERICA
OTCQ	OTCEX LLC	UNITED STATES OF AMERICA
PINL	OPTIONS PRICE REPORTING AUTHORITY	UNITED STATES OF AMERICA
PINX	OTC MARKETS	UNITED STATES OF AMERICA
PSGM	OTCQB MARKETPLACE	UNITED STATES OF AMERICA
PINC	OTCQX MARKETPLACE	UNITED STATES OF AMERICA

VALUE	CODE DESCRIPTION	COUNTRY
PDQX	OTC PINK CURRENT	UNITED STATES OF AMERICA
PDQD	OTC PINK NO INFORMATION	UNITED STATES OF AMERICA
PIPE	OTC PINK LIMITED	UNITED STATES OF AMERICA
PRSE	OTC PINK MARKETPLACE	UNITED STATES OF AMERICA
PULX	OTC GREY MARKET	UNITED STATES OF AMERICA
RICX	CAVEAT EMPTOR	UNITED STATES OF AMERICA
RICD	CODA MARKETS	UNITED STATES OF AMERICA
SCXS	CODA MARKETS ATS DARK	UNITED STATES OF AMERICA
SGMA	ARITAS SECURITIES LLC	UNITED STATES OF AMERICA
SGMT	PRAGMA ATS	UNITED STATES OF AMERICA
SHAW	BLOCKCROSS ATS	UNITED STATES OF AMERICA
SHAD	RIVERCROSS	UNITED STATES OF AMERICA
SOHO	RIVERCROSS DARK	UNITED STATES OF AMERICA
SSTX	SEED SEF LLC	UNITED STATES OF AMERICA
TERA	GOLDMAN SACH MTF	UNITED STATES OF AMERICA
TFSU	SIGMA X2	UNITED STATES OF AMERICA
THRE	D.E. SHAW	UNITED STATES OF AMERICA
TMID	D.E. SHAW DARK	UNITED STATES OF AMERICA
TPSE	TWO SIGMA SECURITIES, LLC	UNITED STATES OF AMERICA
TRCK	E-EXCHANGE	UNITED STATES OF AMERICA
TRUX	TERAEXCHANGE	UNITED STATES OF AMERICA
TRU1	TFS GREEN UNITED STATES GREEN MARKETS	UNITED STATES OF AMERICA
TRU2	THOMSON REUTERS (SEF) LLC	UNITED STATES OF

VALUE	CODE DESCRIPTION	COUNTRY
		AMERICA
TRWB	TRUMID ATS	UNITED STATES OF AMERICA
BNDD	TP SEF, INC.	UNITED STATES OF AMERICA
TWSF	TRACK ECN	UNITED STATES OF AMERICA
DWSF	TRUEEX LLC	UNITED STATES OF AMERICA
TSAD	TRUEEX LLC - DESIGNATED CONTRACT MARKET (DMC)	UNITED STATES OF AMERICA
TSBX	TRUEEX LLC - SEF (SWAP EXECUTION FACILITY)	UNITED STATES OF AMERICA
TSEF	TRADEWEB LLC	UNITED STATES OF AMERICA
UBSA	TRADEWEB DIRECT LLC	UNITED STATES OF AMERICA
UBSP	TW SEF LLC	UNITED STATES OF AMERICA
VFCM	DW SEF LLC	UNITED STATES OF AMERICA
VIRT	TRADITION SECURITIES AND DERIVATIVES INC.	UNITED STATES OF AMERICA
WEED	TRIPLESHOT	UNITED STATES OF AMERICA
XWEE	TRADITION SEF	UNITED STATES OF AMERICA
WELX	UBS ATS	UNITED STATES OF AMERICA
WSAG	UBS PIN (UBS PRICE IMPROVEMENT NETWORK)	UNITED STATES OF AMERICA
XAQS	VIRTU FINANCIAL CAPITAL MARKETS LLC	UNITED STATES OF AMERICA
XBOX	VIRTU FINANCIAL BD	UNITED STATES OF AMERICA
XCBO	WEEDEN AND CO MARKETS	UNITED STATES OF AMERICA
XCBF	WEEDEN ATS	UNITED STATES OF AMERICA
CBSX	WELLS FARGO LIQUIDITY CROSS ATS	UNITED STATES OF AMERICA
C2OX	WALL STREET ACCESS	UNITED STATES OF AMERICA
XCBT	AUTOMATED EQUITY FINANCE MARKETS	UNITED STATES OF AMERICA

VALUE	CODE DESCRIPTION	COUNTRY
XKBT	BOSTON OPTIONS EXCHANGE	UNITED STATES OF AMERICA
FCBT	CHICAGO BOARD OPTIONS EXCHANGE	UNITED STATES OF AMERICA
XCFF	C2 OPTIONS EXCHANGE INC.	UNITED STATES OF AMERICA
XCHI	CBOE STOCK EXCHANGE	UNITED STATES OF AMERICA
XCIS	CBOE FUTURES EXCHANGE	UNITED STATES OF AMERICA
XCME	CHICAGO BOARD OF TRADE	UNITED STATES OF AMERICA
CMES	CHICAGO BOARD OF TRADE (FLOOR)	UNITED STATES OF AMERICA
CBTS	KANSAS CITY BOARD OF TRADE	UNITED STATES OF AMERICA
XIOM	CANTOR FINANCIAL FUTURES EXCHANGE	UNITED STATES OF AMERICA
XIMM	CHICAGO STOCK EXCHANGE, INC	UNITED STATES OF AMERICA
CECS	NATIONAL STOCK EXCHANGE, INC.	UNITED STATES OF AMERICA
GLBX	CHICAGO MERCANTILE EXCHANGE	UNITED STATES OF AMERICA
NYMS	CHICAGO MERCANTILE EXCHANGE (FLOOR)	UNITED STATES OF AMERICA
FCME	CME GLOBEX	UNITED STATES OF AMERICA
XCUR	INTERNATIONAL MONETARY MARKET	UNITED STATES OF AMERICA
XELX	INDEX AND OPTIONS MARKET	UNITED STATES OF AMERICA
XFCI	CME SWAPS MARKETS (CME)	UNITED STATES OF AMERICA
XGMX	CME SWAPS MARKETS (CBOT)	UNITED STATES OF AMERICA
XINS	CME SWAPS MARKETS (COMEX)	UNITED STATES OF AMERICA
ICBX	CME SWAPS MARKETS (NYMEX)	UNITED STATES OF AMERICA
IBLX	CURRENEX	UNITED STATES OF AMERICA
ICRO	ELX	UNITED STATES OF AMERICA
IIDX	FINANCIALCONTENT INDEXES	UNITED STATES OF

VALUE	CODE DESCRIPTION	COUNTRY
		AMERICA
MOCX	GLOBALCLEAR MERCANTILE EXCHANGE	UNITED STATES OF AMERICA
RCBX	INSTINET	UNITED STATES OF AMERICA
XISX	INSTINET BLX	UNITED STATES OF AMERICA
XISA	INSTINET CBX (US)	UNITED STATES OF AMERICA
XISE	INSTINET VWAP CROSS	UNITED STATES OF AMERICA
GMNI	INSTINET IDX	UNITED STATES OF AMERICA
MCRY	INSTINET RETAIL CBX	UNITED STATES OF AMERICA
XMER	MOC CROSS	UNITED STATES OF AMERICA
XMGE	INTERNATIONAL SECURITIES EXCHANGE, LLC	UNITED STATES OF AMERICA
XNAS	INTERNATIONAL SECURITIES EXCHANGE, LLC - ALTERNATIVE MARKETS	UNITED STATES OF AMERICA
ESPD	INTERNATIONAL SECURITIES EXCHANGE, LLC - EQUITIES	UNITED STATES OF AMERICA
BOSD	ISE GEMINI EXCHANGE	UNITED STATES OF AMERICA
NASD	ISE MERCURY, LLC	UNITED STATES OF AMERICA
XBRT	MERCHANTS' EXCHANGE	UNITED STATES OF AMERICA
XNCM	MINNEAPOLIS GRAIN EXCHANGE	UNITED STATES OF AMERICA
XPHL	NASDAQ - ALL MARKETS	UNITED STATES OF AMERICA
XBOS	NASDAQ OMX BX OPTIONS	UNITED STATES OF AMERICA
XPBT	NASDAQ OMX BX DARK	UNITED STATES OF AMERICA
XPSX	NSDQ DARK	UNITED STATES OF AMERICA
XPHO	BRUT ECN	UNITED STATES OF AMERICA
XNMS	NASDAQ CAPITAL MARKET	UNITED STATES OF AMERICA
XNIM	NASDAQ OPTIONS MARKET	UNITED STATES OF AMERICA

VALUE	CODE DESCRIPTION	COUNTRY
XNGS	NASDAQ/NGS (GLOBAL SELECT MARKET)	UNITED STATES OF AMERICA
XNDQ	NASDAQ INTERMARKET	UNITED STATES OF AMERICA
XPOR	NASDAQ/NMS (GLOBAL MARKET)	UNITED STATES OF AMERICA
XBXO	NASDAQ OMX FUTURES EXCHANGE	UNITED STATES OF AMERICA
XNYM	NASDAQ OMX PHLX	UNITED STATES OF AMERICA
XNYE	PHILADELPHIA OPTIONS EXCHANGE	UNITED STATES OF AMERICA
XNYL	PORTAL	UNITED STATES OF AMERICA
XCEC	NASDAQ OMX PSX	UNITED STATES OF AMERICA
XNYS	NASDAQ OMX BX	UNITED STATES OF AMERICA
NYSD	NASDAQ OMX ESPEED	UNITED STATES OF AMERICA
XNLI	NEW YORK MERCANTILE EXCHANGE	UNITED STATES OF AMERICA
XASE	COMMODITIES EXCHANGE CENTER	UNITED STATES OF AMERICA
ARCX	NEW YORK MERCANTILE EXCHANGE - OTC MARKETS	UNITED STATES OF AMERICA
ARCO	NEW YORK MERCANTILE EXCHANGE - ENERGY MARKETS	UNITED STATES OF AMERICA
ARCD	NEW YORK STOCK EXCHANGE, INC.	UNITED STATES OF AMERICA
AMXO	NYSE ALTERNEXT DARK	UNITED STATES OF AMERICA
ALDP	NYSE AMEX OPTIONS	UNITED STATES OF AMERICA
XOCH	ARCA DARK	UNITED STATES OF AMERICA
XOTC	NYSE ARCA OPTIONS	UNITED STATES OF AMERICA
XSEF	NYSE ARCA	UNITED STATES OF AMERICA
BVUR	NYSE DARK	UNITED STATES OF AMERICA
UFEX	NYSE MKT LLC	UNITED STATES OF AMERICA
XMNT	NYSE LIFFE	UNITED STATES OF



VALUE	CODE DESCRIPTION	COUNTRY
		AMERICA
XCET	ONECHICAGO, LLC	UNITED STATES OF AMERICA
XCUE	OTCBB	UNITED STATES OF AMERICA
XKCE	SWAPEX, LLC	UNITED STATES OF AMERICA
XSTE	BOLSA ELECTRONICA DE VALORES DEL URUGUAY	URUGUAY
XUNI	UFEX	URUGUAY
BVCA	BOLSA DE VALORES DE MONTEVIDEO	URUGUAY
HSTC	UZBEK COMMODITY EXCHANGE	UZBEKISTAN
XHNX	UZBEKISTAN REPUBLICAN CURRENCY EXCHANGE	UZBEKISTAN
XSTC	KHOREZM INTERREGION COMMODITY EXCHANGE	UZBEKISTAN
GXMA	REPUBLICAN STOCK EXCHANGE	UZBEKISTAN
XJSE	UNIVERSAL BROKER'S EXCHANGE 'TASHKENT'	UZBEKISTAN
YLDX	GX MARKETCENTER	VANUATU
ALTX	CARACAS STOCK EXCHANGE	VENEZUELA
XBES	HANOI STOCK EXCHANGE	VIET NAM
XSFA	HANOI STOCK EXCHANGE (UNLISTED PUBLIC COMPANY TRADING PLATFORM)	VIET NAM
XSAF	HOCHIMINH STOCK EXCHANGE	VIET NAM
XLUS	LUSAKA STOCK EXCHANGE	ZAMBIA
XZIM	ZIMBABWE STOCK EXCHANGE	ZIMBABWE
XOFF	OFF-EXCHANGE TRANSACTIONS - LISTED INSTRUMENTS	ZZ
XXXX	NO MARKET (E.G. UNLISTED)	ZZ

## 7 ISO STATE CODES SCHEMA DATA VALUE CONSTRAINTS

### 7.1 ISO\_COUNTRY\_CODE

These are the valid values for elements with type <ISO\_COUNTRY\_CODE> element in the submission file:

VALUE	CODE DESCRIPTION
AF	AFGHANISTAN
AX	ALAND ISLANDS
AL	ALBANIA
DZ	ALGERIA
AS	AMERICAN SAMOA
AD	ANDORRA
AO	ANGOLA
AI	ANGUILLA
AQ	ANTARCTICA
AG	ANTIGUA AND BARBUDA
AR	ARGENTINA
AM	ARMENIA
AW	ARUBA
AU	AUSTRALIA
AT	AUSTRIA
AZ	AZERBAIJAN
BS	BAHAMAS
BH	BAHRAIN
BD	BANGLADESH
BB	BARBADOS
BY	BELARUS
BE	BELGIUM
BZ	BELIZE
BJ	BENIN
BM	BERMUDA
BT	BHUTAN
BO	BOLIVIA (PLURINATIONAL STATE OF)
BQ	BONAIRE, SINT EUSTATIUS AND SABA
BA	BOSNIA AND HERZEGOVINA
BW	BOTSWANA
BV	BOUVET ISLAND
BR	BRAZIL
IO	BRITISH INDIAN OCEAN TERRITORY

VALUE	CODE DESCRIPTION
BN	BRUNEI DARUSSALAM
BG	BULGARIA
BF	BURKINA FASO
BI	BURUNDI
CV	CABO VERDE
KH	CAMBODIA
CM	CAMEROON
CA	CANADA
KY	CAYMAN ISLANDS
CF	CENTRAL AFRICAN REPUBLIC
TD	CHAD
CL	CHILE
CN	CHINA
CX	CHRISTMAS ISLAND
CC	COCOS (KEELING) ISLANDS
CO	COLOMBIA
KM	COMOROS
CG	CONGO
CD	CONGO, THE DEMOCRATIC REPUBLIC OF THE
CK	COOK ISLANDS
CR	COSTA RICA
CI	COTE D'IVOIRE
HR	CROATIA
CU	CUBA
CW	CURACAO
CY	CYPRUS
CZ	CZECHIA
DK	DENMARK
DJ	DJIBOUTI
DM	DOMINICA
DO	DOMINICAN REPUBLIC
EC	ECUADOR
EG	EGYPT
SV	EL SALVADOR
GQ	EQUATORIAL GUINEA
ER	ERITREA
EE	ESTONIA
ET	ETHIOPIA

VALUE	CODE DESCRIPTION
FK	FALKLAND ISLANDS (MALVINAS)
FO	FAROE ISLANDS
FJ	FIJI
FI	FINLAND
FR	FRANCE
GF	FRENCH GUIANA
PF	FRENCH POLYNESIA
TF	FRENCH SOUTHERN TERRITORIES
GA	GABON
GM	GAMBIA
GE	GEORGIA
DE	GERMANY
GH	GHANA
GI	GIBRALTAR
GR	GREECE
GL	GREENLAND
GD	GRENADA
GP	GUADELOUPE
GU	GUAM
GT	GUATEMALA
GG	GUERNSEY
GN	GUINEA
GW	GUINEA-BISSAU
GY	GUYANA
HT	HAITI
HM	HEARD ISLAND AND MCDONALD ISLANDS
VA	HOLY SEE (VATICAN CITY STATE)
HN	HONDURAS
HK	HONG KONG
HU	HUNGARY
IS	ICELAND
IN	INDIA
ID	INDONESIA
IR	IRAN, ISLAMIC REPUBLIC OF
IQ	IRAQ
IE	IRELAND
IM	ISLE OF MAN
IL	ISRAEL

VALUE	CODE DESCRIPTION
IT	ITALY
JM	JAMAICA
JP	JAPAN
JE	JERSEY
JO	JORDAN
KZ	KAZAKSTAN
KE	KENYA
KI	KIRIBATI
KP	KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF
KR	KOREA, REPUBLIC OF
KW	KUWAIT
KG	KYRGYZSTAN
LA	LAO PEOPLE'S DEMOCRATIC REPUBLIC
LV	LATVIA
LB	LEBANON
LS	LESOTHO
LR	LIBERIA
LY	LIBYAN ARAB JAMAHIRIYA
LI	LIECHTENSTEIN
LT	LITHUANIA
LU	LUXEMBOURG
MO	MACAU
MK	MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF
MG	MADAGASCAR
MW	MALAWI
MY	MALAYSIA
MV	MALDIVES
ML	MALI
MT	MALTA
MH	MARSHALL ISLANDS
MQ	MARTINIQUE
MR	MAURITANIA
MU	MAURITIUS
YT	MAYOTTE
MX	MEXICO
FM	MICRONESIA, FEDERATED STATES OF
MD	MOLDOVA, REPUBLIC OF
MC	MONACO

VALUE	CODE DESCRIPTION
MN	MONGOLIA
ME	MONTENEGRO
MS	MONTSERRAT
MA	MOROCCO
MZ	MOZAMBIQUE
MM	MYANMAR
NA	NAMIBIA
NR	NAURU
NP	NEPAL
NL	NETHERLANDS
NC	NEW CALEDONIA
NZ	NEW ZEALAND
NI	NICARAGUA
NE	NIGER
NG	NIGERIA
NU	NIUE
NF	NORFOLK ISLAND
MP	NORTHERN MARIANA ISLANDS
NO	NORWAY
OM	OMAN
PK	PAKISTAN
PW	PALAU
PS	PALESTINIAN TERRITORY, OCCUPIED
PA	PANAMA
PG	PAPUA NEW GUINEA
PY	PARAGUAY
PE	PERU
PH	PHILIPPINES
PM	PITCAIRN
PL	POLAND
PT	PORTUGAL
PR	PUERTO RICO
QA	QATAR
RE	REUNION
RO	ROMANIA
RU	RUSSIAN FEDERATION
RW	RWANDA
BL	SAINT BARTHELEMY

VALUE	CODE DESCRIPTION
SH	SAINT HELENA
KN	SAINT KITTS AND NEVIS
LC	SAINT LUCIA
MF	SAINT MARTIN
PM	SAINT PIERRE AND MIQUELON
VC	SAINT VINCENT AND THE GRENADINES
WS	SAMOA
SM	SAN MARINO
ST	SAO TOME AND PRINCIPE
SA	SAUDI ARABIA
SN	SENEGAL
RS	SERBIA
SC	SEYCHELLES
SL	SIERRA LEONE
SG	SINGAPORE
SX	SINT MAARTEN (DUTCH PART)
SK	SLOVAKIA
SI	SLOVENIA
SB	SOLOMON ISLANDS
SO	SOMALIA
ZA	SOUTH AFRICA
GS	SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS
SS	SOUTH SUDAN
ES	SPAIN
LK	SRI LANKA
SD	SUDAN
SR	SURINAME
SJ	SVALBARD AND JAN MAYEN
SZ	SWAZILAND
SE	SWEDEN
CH	SWITZERLAND
SY	SYRIAN ARAB REPUBLIC
TW	TAIWAN, PROVINCE OF CHINA
TJ	TAJIKISTAN
TZ	TANZANIA, UNITED REPUBLIC OF
TH	THAILAND
TL	TIMOR-LESTE
TG	TOGO

VALUE	CODE DESCRIPTION
TK	TOKELAU
TO	TONGA
TT	TRINIDAD AND TOBAGO
TN	TUNISIA
TR	TURKEY
TM	TURKMENISTAN
TC	TURKS AND CAICOS ISLANDS
TV	TUVALU
UG	UGANDA
UA	UKRAINE
AE	UNITED ARAB EMIRATES
GB	UNITED KINGDOM
US	UNITES STATES OF AMERICA
UM	UNITED STATES MINOR OUTLYING ISLANDS
UY	URUGUAY
UZ	UZBEKISTAN
VU	VANUATU
VE	VENEZUELA
VN	VIET NAM
VG	VIRGIN ISLANDS, BRITISH
VI	VIRGIN ISLANDS, U.S.
WF	WALLIS AND FUTUNA
EH	WESTERN SAHARA
YE	YEMEN
ZM	ZAMBIA
ZW	ZIMBABWE
XX	UNKNOWN
C2	ASHMORE & CARTIER IS
E5	CANAL ZONE
E6	MONTREAL, CANADA
E7	CANTON/ENDERBURY IS
2N	CZECH REPUBLIC
G5	CZECHOSLOVAKIA
I7	GAZA STRIP
X9	GERMANY (BERLIN)
I8	GERMANY (WEST)
I9	GERMANY, FED. REP.
L1	IRAQ-SAUDI



VALUE	CODE DESCRIPTION
L4	ISRAEL-JORDAN
L5	ISRAEL-SYRIA
M1	JOHNSTON ATOLL
O6	MIDWAY ISLAND
P8	NETHERLANDS ANTILLES
Q9	PACIFIC ISLANDS TRU
R3	PARACEL ISLANDS
T4	SOUTHERN RHODESIA
U2	SOVIET UNION
U4	SPANISH NORTH AFRICA
U6	SPRATLY ISLAND
X7	WAKE ISLAND
2F	EAST TIMOR
Y2	YUGOSLAVIA

## 7.2 ISO\_FOREIGN\_COUNTRY\_CODE

The valid values for the element type <ISO\_FOREIGN\_COUNTRY\_CODE> in the submission file are the same as for ISO\_COUNTRY\_CODE excluding “US”.

## 7.3 ISO\_STATE\_AND\_OUTLYING\_AREA\_CODE\_USA

These are the valid values for the <ISO\_STATE\_AND\_OUTLYING\_AREA\_CODE\_USA> element in the submission file:

VALUE	CODE DESCRIPTION
US-AL	ALABAMA
US-AK	ALASKA
US-AZ	ARIZONA
US-AR	ARKANSAS
US-CA	CALIFORNIA
US-CO	COLORADO
US-CT	CONNECTICUT
US-DE	DELAWARE
US-DC	DISTRICT OF COLUMBIA
US-FL	FLORIDA
US-GA	GEORGIA
US-HI	HAWAII
US-ID	IDAHO
US-IL	ILLINOIS

VALUE	CODE DESCRIPTION
US-IN	INDIANA
US-IA	IOWA
US-KS	KANSAS
US-KY	KENTUCKY
US-LA	LOUISIANA
US-ME	MAINE
US-MD	MARYLAND
US-MA	MASSACHUSETTS
US-MI	MICHIGAN
US-MN	MINNESOTA
US-MS	MISSISSIPPI
US-MO	MISSOURI
US-MT	MONTANA
US-NE	NEBRASKA
US-NV	NEVADA
US-NH	NEW HAMPSHIRE
US-NJ	NEW JERSEY
US-NM	NEW MEXICO
US-NY	NEW YORK
US-NC	NORTH CAROLINA
US-ND	NORTH DAKOTA
US-OH	OHIO
US-OK	OKLAHOMA
US-OR	OREGON
US-PA	PENNSYLVANIA
US-RI	RHODE ISLAND
US-SC	SOUTH CAROLINA
US-SD	SOUTH DAKOTA
US-TN	TENNESSEE
US-TX	TEXAS
US-UT	UTAH
US-VT	VERMONT
US-VA	VIRGINIA
US-WA	WASHINGTON
US-WV	WEST VIRGINIA
US-WI	WISCONSIN
US-WY	WYOMING
US-AS	AMERICAN SAMOA

VALUE	CODE DESCRIPTION
US-GU	GUAM
US-MP	NORTHERN MARIANA ISLANDS
US-PR	PUERTO RICO
US-UM	UNITED STATES MINOR OUTLYING ISLANDS
US-VI	VIRGIN ISLANDS, U.S.

## 8 BASIC SUBMISSION CONSTRUCTION

### 8.1 General Formatting of XML Files

The following rules apply to the submission file of an XML-format Form N-CEN submission:

1. The filename must end with an “.xml” extension.
2. The file cannot be compressed in any fashion.
3. We strongly recommend you format the submission as shown in the provided sample files. This makes the raw XML files easier to view in a text editor. The submission of ASCII XML files with no line breaks, while legal XML is strongly discouraged. XML filings are required to be posted on public websites. While usually formatted via style sheets, the raw XML is frequently available for inspection and should be readable by a person. A single line XML file is not viewer-friendly and should be avoided.
4. The `<?xml version="1.0"?>` declaration line is optional; however, if it is included it must be the first line in the file. Any text entered before this line, even white space, will cause a SUSPENSE error. The version value must be “1.0”. Any other value for version will cause a SUSPENSE error.
5. For an XML element with a data value, keep the begin tag, data value, and end tag on the same line of text. Otherwise, you could get a schema violation error. As an example, for a filer ID value which cannot be longer than 10 characters, this specification is correct:

```
<cik>1212121212</cik>
```

6. The specification below will result in a parsing error because the extraneous white space and line feeds will be counted as part of the length of the data value. In other words, the CIK value will be regarded as longer than 10 characters.

```
<cik>
1212121212
</cik>
```

### 8.2 XML Submission File Rules

The following rules apply to the supporting document XML-format:

1. The `<?xml version="1.0"?>` declaration line is optional; however, if it is included it must be the first line in the file. Any text entered before this line, even white space, will cause an error. The version value must be “1.0”. Any other value for version will cause an error.
2. The XML elements cannot have any namespaces.  
For e.g.: It has to be `<contactName>` and not `<ns1:contactName>`
3. The order of any `<notificationEmailAddress>` elements does not matter.
4. The submission file must conform to the XML schema files. Any violation of this schema will result in the suspension of the filing.

### 8.2.1 Enclosing a Document

1. Allowable file extensions are .pdf, .txt, .htm, .jpg, .xml and .gif.
2. The names of attached document files must follow the EDGAR file naming conventions:
  - File names cannot exceed 32 characters, including the file extension.
  - Valid characters are lowercase letters, digits 0-9, up to one underscore, up to one hyphen, and up to one period.
  - First character must be a letter.
  - Spaces are not allowed.
  - File name must have a file type extension of .xml.
3. The <description> is optional, but all other elements must be present and must have a value.
4. The <contents> element must contain a MIME encoded document. You can use any standard 64-character set based MIME encoding algorithm to create a MIME document.
5. The XML for an enclosed supporting document looks like this:

```
<documents>
  <document>
    < conformedName>test1.txt</ conformedName>
    < conformedDocumentType>????</ conformedDocumentType>
    < description> Description field text here... </ description>
    < contents> dGVzdGA= </ contents>
  </document>
  document>
    < conformedName>test2.txt</ conformedName>
    < conformedDocumentType>????</ conformedDocumentType>
    < description> Description field text here... </ description>
    < contents> dGVzdGA= </ contents>
  </document>
</documents>
```

## 9 ERROR REPORTING

EDGAR will generate an error for each violation of an XML schema constraint, as well as for each violation of an N-CEN filing business rule. The schema files do not enforce all error checks, so it is possible to construct a submission that meets all the schema constraints yet is still SUSPENDED.

This table summarizes the errors that can result from violations of schema constraints and EDGAR business rules. This is not an all-inclusive list.

**Table 9-1: Submission Errors and Severity**

Error Condition	Severity
Elements not in sequence prescribed in Section 3.4	SUSPENDED
Inclusion of XML-stylesheet reference or any other Processing Instruction	SUSPENDED
Inclusion of an element not prescribed in the schema	SUSPENDED
String value exceeds maximum length constraint	SUSPENDED
Element constrained by a Choice List has an invalid value	SUSPENDED
Mandatory element has no value or an invalid value	SUSPENDED
Special character (&, <, >) not provided as escape sequence	SUSPENDED
Date, Boolean, or Decimal element does not have a value	SUSPENDED
Duplicate Notification Address	WARNING
"NA" or blank field has a value	WARNING
Invalid Issuer CIK	SUSPENDED
Improperly formatted email address	SUSPENDED
Exceeding a "Max Occur" limit from Section 3.4	SUSPENDED

You may sometimes get multiple error messages reporting the same error. The XML parser EDGAR used to process an N-CEN submission generates messages that are rather technical in nature and require an understanding of the XML schema language. Whenever possible, EDGAR generates a more "friendly" error message to give a precise description of the error.

## Appendix A. ACRONYMS

Acronym	Description
ASCII	American Standard Code for Information Interchange
CCC	CIK Confirmation Code
CIK	Central Index Key
EDGAR	Electronic Data Gathering, Analysis, and Retrieval
PDF	Portable Document Format
SEC	Securities and Exchange Commission
XML	Extensible Markup Language
XBRL	eXtensible Business Reporting Language