

# **EDGAR®** Ownership XML Technical Specification

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This draft EDGARLink Online XML Technical Specification, posted before Commission approval of potential regulatory changes in this release, is provided as a service to our filing community to assist filers, agents, and software developers in their preparation of responses to potential changes the staff anticipates. Since this is a draft technical specification, the SEC retains the right to change any part of the technical specification before the new system release is made final. In addition, the final EDGARLink online XML Technical Specification is subject to Commission approval and may be revised before approval or not approved at all. Similarly, the posting of the draft technical specification does not indicate Commission approval of any pending proposed changes relating to the potential changes reflected in the draft technical specification. The changes outlined in this draft technical specification, if approved, are scheduled to take effect on March 20, 2023. The final version of the technical specification will be made available if approved by the Commission on or about March 20, 2023, on the SEC's Public Website

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#### 1. INTRODUCTION

## 1.1 Purpose

This document details the valid structure and content of the six Electronic Data Gathering, Analysis, and Retrieval (EDGAR) Ownership Extensible Markup Language (XML) submission types:

Submission Type	Description
3	Initial Statement of Beneficial Ownership of Securities
3/A	Amendment of a previous Form 3
4	Statement of Changes of Beneficial Ownership of Securities
4/A	Amendment of a previous Form 4
5	Annual Statement of Beneficial Ownership of Securities
5/A	Amendment of a previous Form 5

This specification provides, to those filers who are interested, a basis for creating XML submissions without the use of the EDGAR OnlineForms/XML Website. The expectation is that software developers, working on behalf of filers, will construct software that will generate an XML Ownership submission that can be successfully parsed by the EDGAR system.

The Ownership submission file must conform to the EDGAR Ownership Submission Taxonomy. The primary enclosed document for the submission must adhere to the EDGAR Ownership Document XML Taxonomy. These taxonomies are a collection of XML Schema Definition (.xsd.xml) files that define the structures of EDGAR Ownership submissions.

For specific information about the data content of the Ownership submission types, refer to the EDGAR Filer Manual Volume II available on the SEC's Public Website (<a href="http://www.sec.gov">http://www.sec.gov</a>) and the online help files available on the EDGAR OnlineForms/XML Website.

## 1.2 Summary of Changes

On September March 2020, 20212023, EDGAR Release 21.323.1 introduced the following changes:

- Text for Country TAIWAN, PROVICE OF CHINA is changed to TAIWAN in ownershipDocumentCommon.xsd.xml file.
- Code F5 is changed to TAIWAN in APPENDIX A.STATE AND COUNTRY CODES.
- Table 3.5, Appendix C and D are updated to include element "aff10b5One" to the Submission Form Types 4, 4/A, 5 and 5/A.

## 2. EDGAR SCHEMA FILES

These are the schema files that the EDGAR system uses to validate Ownership submissions. They are considered part of this specification and are distributed with this document.

XML Schema File	Scope of File
edgarSubmission.xsd.xml	Defines the submission "header" fields that can be
	included in the submission file for all 6 ownership types
ownershipDocumentCommon.xsd.xml	Defines elements that are common to all ownership
	primary documents. Each submission-specific schema
	file includes a reference to this file
ownership3Document.xsd.xml	Defines the structure of the primary document in a
	submission of type "3"
ownership3ADocument.xsd.xml	Defines the structure of the primary document in a
	submission of type "3/A"
ownership4Document.xsd.xml	Defines the structure of the primary document in a
	submission of type "4"
ownership4ADocument.xsd.xml	Defines the structure of the primary document in a
	submission of type "4/A"
ownership5Document.xsd.xml	Defines the structure of the primary document in a
	submission of type "5"
ownership5ADocument.xsd.xml	Defines the structure of the primary document in a
	submission of type "5/A"

These files define the valid data elements for an Ownership submission, the hierarchy and sequencing of these elements, data types, valid values, maximum lengths, number of occurrences, etc.

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

EDGAR does perform 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 Reporting Owner Central Index Key (CIK)/CIK Confirmation Code (CCC) pair is valid.

## 2.1 Key Schema Indicators

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 <a href="http://www.w3schools.com/">http://www.w3schools.com/</a>.

We would, however, like to highlight the schema language features used most heavily in the EDGAR Ownership submission schema files. These are:

Indicator	Purpose
<sequence></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 Sections 3.4 and 3.5.
<choice></choice>	Specifies that either one child element or another can occur
<minoccurs></minoccurs>	Specifies the minimum number of times that an element can occur
<maxoccurs></maxoccurs>	Specifies the maximum number of times that an element can occur

The default value for both the <minOccurs> and <maxOccurs> occurrence indicator is 1. An optional field will have a <minOccurs> value of zero.

This excerpt from the ownershipDocumentCommon.xsd.xml schema file includes all four of these indicators:

```
<xs:complexType name="UNDERLYING SECURITY">
   <xs:sequence>
      <xs:element name="underlyingSecurityTitle" type="SECURITY TITLE"/>
        <xs:choice>
          <xs:element name="underlyingSecurityShares" type="OPT NUMBER WITH FOOTNOTE"</pre>
                                                       minOccurs="0"/>
          <xs:element name="underlyingSecurityValue" type="OPT NUMBER WITH FOOTNOTE"</pre>
                                                       minOccurs="0"/>
        </xs:choice>
   </xs:sequence>
</xs:complexType>
<xs:complexType name="NUMBER WITH FOOTNOTE">
   <xs:sequence>
                                 type="xs:decimal" minOccurs="0"/>
      <xs:element name="value"</pre>
      <xs:element name="footnoteId" type="FOOTNOTE_ID" minOccurs="0" maxOccurs="99"/>
   </xs:sequence>
</xs:complexType>
```

This is a section of XML that conforms to the schema definition given above:

## 3. XML SCHEMAS

This section summarizes the restrictions and constraints imposed on the content of the six Ownership 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 defines the columns in the two schema summation tables provided in Sections 3.4 and 3.5:

Column Name	Description
Level	Depth of element in the XML node hierarchy
Order	Order in which elements must appear
Data Type	See the Data Type Constraints table for a detailed description
Element Name	Name of the XML element. This is case-sensitive
Max Length	Maximum length for String fields. EDGAR database stores
	up to this number of characters
Choice List	This name refers to a list of valid values for this field. The
	Choice List Values section provides the valid value lists
Max Occur	Maximum times a set of elements may be repeated
3	Indicates applicability of this field to this submission type
3/A	Indicates applicability of this field to this submission type
4	Indicates applicability of this field to this submission type
4/A	Indicates applicability of this field to this submission type
5	Indicates applicability of this field to this submission type
5/A	Indicates applicability of this field to this submission type

# **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 SUSPENSE 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 SUSPENSE error. Do not include a date element at all if your goal is to not provide an optional date.
decimal	Only valid characters are 0-9 and a period. Cannot contain commas, a minus sign, a dollar sign, or parentheses. EDGAR stores up to four decimal places.  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.  Minimum allowable value = 0.0  Maximum allowable value = 99999999999999999999999999999999999
string	Should be no longer than the length shown in the tables in Sections 3.4 and 3.5. EDGAR stores values in the <footnote>, <signaturename>, and <contactemailaddress> elements exactly as provided. All other values are stored in the database as uppercase. You must use special escape sequences to represent these four characters:  For the &lt; character use the escape sequence "&lt;" or "&lt;". For the &gt; character use the escape sequence "&gt;" or "&gt;". For the &amp; character use the escape sequence "&amp;" or "&amp;". For the "character use the escape sequence """ or """.</contactemailaddress></signaturename></footnote>
ID, IDREF	Used for linking footnotes to data fields. Must start with a capital "F," which must be followed by a number from 1 to 99
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.

# 3.3 Applicability of Schema Elements

Each entry in the six submission/document types columns in the tables in Sections 3.4 and 3.5 will have one of these values:

Value	Description
m	Mandatory
cm	Conditional Mandatory. The element is mandatory if its parent element is included. The element cannot be included if its parent is not included. This basic rule applies to next eight rows that detail additional "Conditional Mandatory" rules.
cm(1)	For the <reportingownerrelationship> group, at least one of the four boolean child elements must be true.</reportingownerrelationship>
cm(2)	If <reportingownerrelationship.isofficer> is true, then <officertitle> becomes mandatory.</officertitle></reportingownerrelationship.isofficer>
cm(3)	If <reportingownerrelationship.isother> is true, then <othertext> becomes mandatory.</othertext></reportingownerrelationship.isother>
cm(4)	If the conditional mandatory <transactionamounts> group is used for a <derivativetransaction>, you must provide a value for either <transactionshares> or <transactiontotalvalue>. You cannot provide a value for both.</transactiontotalvalue></transactionshares></derivativetransaction></transactionamounts>
cm(5)	If the value of <directorindirectownership> is "D," do not supply a <ownershipnature.natureofownership> value. You may either include the tag element with no data value or not include the tag element at all. If you supply a value for the tag element, the submission will be suspended.</ownershipnature.natureofownership></directorindirectownership>
	If the value of <directorindirectownership> is "I," <ownershipnature.natureofownership> is mandatory. The submission will be suspended if the tag element is not included or the value of the tag element has no value.</ownershipnature.natureofownership></directorindirectownership>
cm(6)	In the mandatory <underlyingsecurity> group, you must provide a value for either <underlyingsecurityshares> or <underlyingsecurityvalue>. You cannot provide a value for both.</underlyingsecurityvalue></underlyingsecurityshares></underlyingsecurity>
cm(7)	In the mandatory <posttransactionamounts> group, you must provide a value for either <sharesownedfollowingtransaction> or <valueownedfollowingtransaction>. You cannot provide a value for both.</valueownedfollowingtransaction></sharesownedfollowingtransaction></posttransactionamounts>

Value	Description
cm(8)	If nothing is provided for the <value>, then the element must be footnoted.</value>
О	Optional
o(1)	The <reportingowner.rptownerccc> is optional in the schemas, but it is truly mandatory for input processing. It is marked as optional so that the CCC can be removed from the version of the document that is disseminated. In this way, the disseminated document will still conform to this specification.</reportingowner.rptownerccc>
NA	Does not apply to submission type. EDGAR uses this field for server-side processing. Do not provide a value for this element.
(*)	The maximum total number of transactions and/or holdings reported on a form may not exceed 60. The total number of rows in the Non-Derivative Table (Table 1 on the printed form) cannot exceed 30. This would include both <nonderivativetransaction> and <nonderivativeholding> entries. The total number of rows in the Derivative Table (Table 2 on the printed form) cannot exceed 30. This would include both <derivativetransaction> and <derivativeholding> entries.</derivativeholding></derivativetransaction></nonderivativeholding></nonderivativetransaction>
blank	Does not apply to submission type

# 3.4 Mapping of Ownership Submission Schemas to Submission Types

Level	Order	Data Type	Element Name	Max Length	Choice List	Max Occur	Submission Type 3	Submission Type 3/A	Submission Type 4	Submission Type 4/A	Submission Type 5	Submission Type 5/A
1	1	NV	edgarSubmission				m	m	m	m	m	m
2	1	string	submissionType	3	<u>SubTypeList</u>		m	m	m	m	m	m
2	2	string	testOrLive	4	<u>TestLiveList</u>		m	m	m	m	m	m
2	3	NV	pointOfContact				0	0	0	0	0	0
3	1	string	contactName	30			0	0	0	0	0	0
3	2	string	contactPhoneNumber	20			0	0	0	0	0	0
3	3	string	contactEmailAddress	80			0	0	0	0	0	0
2	4	boolean	returnCopy				0	0	0	0	0	0
2	5	NV	notificationAddresses				0	0	0	0	0	0
3	1	string	notificationEmailAddress	80		30	0	0	0	0	0	0
2	6	NV	edgarDocument			611	m	m	m	m	m	m
3	1	string	documentName	32			m	m	m	m	m	m
3	2	string	documentType	20	<u>DocTypeList</u>		m	m	m	m	m	m
3	3	string	documentDescription	255			0	0	0	0	0	0
3	4	string	documentMimeBlock	unlimited			m	m	m	m	m	m

# 3.5 Mapping of Ownership Document Schemas to Document Types

		Data		Max		Max	Submission	Submission	Submission	Submission	Submission	Submission
Level	Order	Type	Element Name	Length	<b>Choice List</b>	Occur	Type 3	Type 3/A	Type 4	Type 4/A	Type 5	Type 5/A
1	1	NV	ownershipDocument				m	m	m	m	m	m
2	1	string	schemaVersion	5			NA	NA	NA	NA	NA	NA
2	2	string	documentType	3			m	m	m	m	m	m
2	3	date	periodOfReport	10			m	m	m	m	m	m
2	4	date	dateOfOriginalSubmission	10				m		m		m
2	5	boolean	noSecuritiesOwned				NA	NA				
2	6	boolean	notSubjectToSection16						0	0	0	0
2	7	boolean	form3HoldingsReported								NA	NA
2	8	boolean	form4TransactionsReported								NA	NA
2	9	NV	issuer				m	m	m	m	m	m
3	1	string	issuerCik	10			m	m	m	m	m	m
3	2	string	issuerName	150			NA	NA	NA	NA	NA	NA
3	3	string	issuerTradingSymbol	10			m	m	m	m	m	m
2	10	NV	reportingOwner			10	m	m	m	m	m	m
3	1	NV	reportingOwnerId				m	m	m	m	m	m
4	1	string	rptOwnerCik	10			m	m	m	m	m	m
4	2	string	rptOwnerCcc	8			o(1)	o(1)	o(1)	o(1)	o(1)	o(1)
4	3	string	rptOwnerName	150			NA	NA	NA	NA	NA	NA
3	2	NV	reportingOwnerAddress				0	0	0	0	0	0
4	1	string	rptOwnerStreet1	40			0	0	0	0	0	0
4	2	string	rptOwnerStreet2	40			0	0	0	0	0	0
4	3	string	rptOwnerCity	30			0	0	0	0	0	0

Lovel	Order	Data	Element Name	Max	Choice List	Max Occur	Submission Type 3	Submission Type 3/A		Submission Type 4/A	Submission Type 5	Submission Type 5/A
Level	Order	Туре	Element Name		StateCodeLis	Occur	Type 3	Type 5/A	Type 4	Type 4/A	Type 5	Type 5/A
4	4	string	rptOwnerState	2			0	0	0	0	0	0
4	5	string	rptOwnerZipCode	10			0	0	0	0	0	0
4	6	String	rptOwnerStateDescription	50			NA	NA	NA	NA	NA	NA
4	7	boolean	rptOwnerGoodAddress				NA	NA	NA	NA	NA	NA
3	3	NV	reportingOwnerRelationship				m	m	m	m	m	m
4	1	boolean	isDirector				cm(1)	cm(1)	cm(1)	cm(1)	cm(1)	cm(1)
4	2	boolean	isOfficer				cm(1)	cm(1)	cm(1)	cm(1)	cm(1)	cm(1)
4	3	boolean	isTenPercentOwner				cm(1)	cm(1)	cm(1)	cm(1)	cm(1)	cm(1)
4	4	boolean	isOther				cm(1)	cm(1)	cm(1)	cm(1)	cm(1)	cm(1)
4	5	string	officerTitle	30			cm(2)	cm(2)	cm(2)	cm(2)	cm(2)	cm(2)
4	6	string	otherText	30			cm(3)	cm(3)	cm(3)	cm(3)	cm(3)	cm(3)
2	<u>11</u>	<u>boolean</u>	aff10b5One				<u>NA</u>	<u>NA</u>	<u>R</u>	<u>R</u>	<u>R</u>	<u>R</u>
2	<u> 1112</u>	NV	nonDerivativeTable				0	0	0	0	0	0
3	1	NV	nonDerivativeTransaction			30(*)			0	0	0	0
4	1	NV	securityTitle						cm	cm	cm	cm
5	1	string	value	60					cm	cm	cm	cm
5	2	IDREF	footnoteld			99			0	0	0	0
4	2	NV	transactionDate						cm	cm	cm	cm
5	1	date	value	10					cm	cm	cm	cm
5	2	IDREF	footnoteld			99			0	0	0	0
4	3	NV	deemedExecutionDate						0	0	0	0
5	1	date	value	10					0	0	0	0
5	2	IDREF	footnoteld			99			0	0	0	0
4	4	NV	transactionCoding						cm	cm	cm	cm

Level	Order	Data Type	Element Name	Max Length Choice List	Max Occur	Submission Type 3	Submission Type 3/A	Submission Type 4	Submission Type 4/A	Submission Type 5	Submission Type 5/A
5		string	transactionFormType	1 FormTypeList				cm	cm	cm	cm
		_		TransCodeLi							
5	2	string	transactionCode	1 <u>st</u>				cm	cm	cm	cm
5	3	boolean	equitySwapInvolved					cm	cm	cm	cm
5		IDREF	footnoteld		99			0	0	0	0
4	5	NV	transactionTimeliness					0	0	0	0
5	1	string	value	<u>TimelinessLis</u> 1 <u>t</u>				0	0	0	0
5	2	IDREF	footnoteld		99			0	0		
4	6	NV	transactionAmounts					cm	cm	cm	cm
5	1	NV	transactionShares					cm	cm	cm	cm
6	1	decimal	value					cm	cm	cm	cm
6	2	IDREF	footnoteld		99			cm	cm	cm	cm
5	2	NV	transactionPricePerShare					cm	cm	cm	cm
6	1	decimal	value					cm(8)	cm(8)	cm(8)	cm(8)
6	2	IDREF	footnoteld		99			cm(8)	cm(8)	cm(8)	cm(8)
5	3	NV	transactionAcquiredDisposedC ode					cm	cm	cm	cm
6	1	string	value	1 AcqDispList				cm	cm	cm	cm
6	2	IDREF	footnoteld		99			0	0	0	0
4	7	NV	postTransactionAmounts					cm	cm	cm	cm
5	1	NV	sharesOwnedFollowingTransa ction					cm(7)	cm(7)	cm(7)	cm(7)
6	1	decimal	value					cm(7)	cm(7)	cm(7)	cm(7)
6	2	IDREF	footnoteld		99			0	0	0	0

		Data		Max		Max	Submission	Submission	Submission	Submission	Submission	Submission
Level	Order	Type	Element Name	Length	<b>Choice List</b>	Occur	Type 3	Type 3/A	Type 4	Type 4/A	Type 5	Type 5/A
5	2	NV	valueOwnedFollowingTransact ion						cm(7)	cm(7)	cm(7)	cm(7)
6	1	decimal	value						cm(7)	cm(7)	cm(7)	cm(7)
6	2	IDREF	footnoteld			99			0	0	0	0
4	8	NV	ownershipNature						cm	cm	cm	cm
5	1	NV	directOrIndirectOwnership						cm	cm	cm	cm
6	1	string	value		OwnerTypeLi st				cm	cm	cm	cm
6	2	IDREF	footnoteld			99			0	0	0	0
5	2	NV	natureOfOwnership						cm(5)	cm(5)	cm(5)	cm(5)
6	1	string	value	100					cm(5)	cm(5)	cm(5)	cm(5)
6	2	IDREF	footnoteld			99			0	0	0	0
3		NV	nonDerivativeHolding			30(*)	0	0	0	0	0	0
4		NV	securityTitle				cm	cm	cm	cm	cm	cm
5		string	value	60			cm	cm	cm	cm	cm	cm
5		IDREF	footnoteld			99	0	0	0	0	0	0
4	2	NV	transactionCoding								cm	cm
5	1	string	transactionFormType	1	FormTypeList						cm	cm
5	2	IDREF	footnoteld			99					0	0
4	3	NV	postTransactionAmounts				cm	cm	cm	cm	cm	cm
5	1	NV	sharesOwnedFollowingTransa ction				cm(7)	cm(7)	cm(7)	cm(7)	cm(7)	cm(7)
6	1	decimal	value				cm(7)	cm(7)	cm(7)	cm(7)	cm(7)	cm(7)
6	2	IDREF	footnoteld			99	0	0	0	0	0	0

		Data		Max		Max	Submission	Submission	Submission	Submission	Submission	Submission
Level	Order	Type	Element Name	Length	Choice List	Occur	Type 3	Type 3/A	Type 4	Type 4/A	Type 5	Type 5/A
5	2	NV	valueOwnedFollowingTransact ion				cm(7)	cm(7)	cm(7)	cm(7)	cm(7)	cm(7)
6	1	decimal	value				cm(7)	cm(7)	cm(7)	cm(7)	cm(7)	cm(7)
6	2	IDREF	footnoteld			99	0	0	0	0	0	0
4	4	NV	ownershipNature				cm	cm	cm	cm	cm	cm
5	1	NV	directOrIndirectOwnership				cm	cm	cm	cm	cm	cm
6	1	string	value		OwnerTypeLi st		cm	cm	cm	cm	cm	cm
6	2	IDREF	footnoteld			99	0	0	0	0	0	0
5	2	NV	natureOfOwnership				cm(5)	cm(5)	cm(5)	cm(5)	cm(5)	cm(5)
6	1	string	value	100			cm(5)	cm(5)	cm(5)	cm(5)	cm(5)	cm(5)
6	2	IDREF	footnoteld			99	0	0	0	0	0	0
2	<del>12</del> 13	NV	derivativeTable				0	0	0	0	0	0
3	1	NV	derivativeTransaction			30(*)			0	0	0	0
4	1	NV	securityTitle						cm	cm	cm	cm
5	1	string	value	60					cm	cm	cm	cm
5	2	IDREF	footnoteld			99			0	0	0	О
4	2	NV	conversionOrExercisePrice						cm	cm	cm	cm
5	1	decimal	value						cm(8)	cm(8)	cm(8)	cm(8)
5	2	IDREF	footnoteld			99			cm(8)	cm(8)	cm(8)	cm(8)
4	3	NV	transactionDate						cm	cm	cm	cm
5	1	date	value	10					cm	cm	cm	cm
5	2	IDREF	footnoteld			99			0	0	0	О
4	4	NV	deemedExecutionDate						0	0	0	0

		Data		Max		Max		Submission	Submission	Submission	Submission	Submission
Level	Order	Type	Element Name	Length	Choice List	Occur	Type 3	Type 3/A	Type 4	Type 4/A	Type 5	Type 5/A
5	1	date	value	10					0	0	0	0
5	2	IDREF	footnoteld			99			0	0	0	0
4	5	NV	transactionCoding						cm	cm	cm	cm
5	1	string	transactionFormType	1	FormTypeList				cm	cm	cm	cm
	_	_			<u>TransCodeLi</u>							
5	2	string	transactionCode	1	<u>st</u>				cm	cm	cm	cm
5	3	boolean	equitySwapInvolved						cm	cm	cm	cm
5	4	IDREF	footnoteld			99			0	0	0	0
4	6	NV	transactionTimeliness						0	0	0	0
_		-4	alia		TimelinessLis				_	_	_	_
5	1	string	value	1	<u>T</u>				0	0	0	0
5	2	IDREF	footnoteld			99			0	0		
4	7	NV	transactionAmounts						cm	cm	cm	cm
5	1	NV	transactionShares						cm(4)	cm(4)	cm(4)	cm(4)
6	1	decimal	value						cm(4)	cm(4)	cm(4)	cm(4)
6	2	IDREF	footnoteld			99			0	0	0	0
5	2	NV	transactionTotalValue						cm(4)	cm(4)	cm(4)	cm(4)
6	1	decimal	value						cm(4)	cm(4)	cm(4)	cm(4)
6	2	IDREF	footnoteld			99			0	0	0	0
5	3	NV	transactionPricePerShare						cm	cm	cm	cm
6	1	decimal	value						cm(8)	cm(8)	cm(8)	cm(8)
	<u> </u>					00			` '		`	
6	2	IDREF	footnoteld			99			cm(8)	cm(8)	cm(8)	cm(8)
			transactionAcquiredDisposedC									
5	4	NV	ode						cm	cm	cm	cm
6	1	string	value	1	<u>AcqDispList</u>				cm	cm	cm	cm
4	8	NV	exerciseDate						cm	cm	cm	cm
5	1	date	value	10					cm(8)	cm(8)	cm(8)	cm(8)

Level	Order	Data Type	Element Name	Max Length	Choice List	Max Occur	Submission Type 3	Submission Type 3/A	Submission Type 4	Submission Type 4/A	Submission Type 5	Submission Type 5/A
5	2	IDREF	footnoteld			99			cm(8)	cm(8)	cm(8)	cm(8)
4	9	NV	expirationDate						cm	cm	cm	cm
5	1	date	value	10					cm(8)	cm(8)	cm(8)	cm(8)
5	2	IDREF	footnoteld			99			cm(8)	cm(8)	cm(8)	cm(8)
4	10	NV	underlyingSecurity						cm	cm	cm	cm
5	1	NV	underlyingSecurityTitle						cm	cm	cm	cm
6	1	string	value	60					cm	cm	cm	cm
6	2	IDREF	footnoteld			99			0	0	0	0
5	2	NV	underlyingSecurityShares						cm(6,8)	cm(6,8)	cm(6,8)	cm(6,8)
6	1	decimal	value						cm(6,8)	cm(6,8)	cm(6,8)	cm(6,8)
6	2	IDREF	footnoteld			99			cm(8)	cm(8)	cm(8)	cm(8)
5	3	NV	underlyingSecurityValue						cm(6,8)	cm(6,8)	cm(6,8)	cm(6,8)
6	1	decimal	value						cm(6,8)	cm(6,8)	cm(6,8)	cm(6,8)
6	2	IDREF	footnoteld			99			cm(8)	cm(8)	cm(8)	cm(8)
4	11	NV	postTransactionAmounts						cm	cm	cm	cm
5	1	NV	sharesOwnedFollowingTransa ction						cm(7)	cm(7)	cm(7)	cm(7)
6	1	decimal	value						cm(7)	cm(7)	cm(7)	cm(7)
6	2	IDREF	footnoteld			99			0	0	0	0
5	2	NV	valueOwnedFollowingTransact ion						cm(7)	cm(7)	cm(7)	cm(7)
6	1	decimal	value						cm(7)	cm(7)	cm(7)	cm(7)
6	2	IDREF	footnoteld			99			0	0	0	0
4	12	NV	ownershipNature			J-9			cm	cm	cm	cm
5	1	NV	directOrIndirectOwnership						cm	cm	cm	cm

		Data		Max		Max	Submission	Submission	Submission	Submission	Submission	Submission
Level	Order	Type	Element Name	Length		Occur	Type 3	Type 3/A	Type 4	Type 4/A	Type 5	Type 5/A
6	1	string	value	1	OwnerTypeLi st				cm	cm	cm	cm
6	2	IDREF	footnoteld			99			0	0	0	0
5	2	NV	natureOfOwnership						cm(5)	cm(5)	cm(5)	cm(5)
6	1	string	value	100					cm(5)	cm(5)	cm(5)	cm(5)
6	2	IDREF	footnoteld			99			0	0	0	0
3	1	NV	derivativeHolding			30(*)	0	0	0	0	0	0
4	1	NV	securityTitle				cm	cm	cm	cm	cm	cm
5	1	string	value	60			cm	cm	cm	cm	cm	cm
5	2	IDREF	footnoteld			99	0	0	0	0	0	0
4	2	NV	conversionOrExercisePrice				cm	cm	cm	cm	cm	cm
5	1	decimal	value				cm(8)	cm(8)	cm(8)	cm(8)	cm(8)	cm(8)
5	2	IDREF	footnoteld			99	cm(8)	cm(8)	cm(8)	cm(8)	cm(8)	cm(8)
4	3	NV	transactionCoding								cm	cm
5	1	boolean	transactionFormType	1	FormTypeList						cm	cm
5	2	IDREF	footnoteld			99					0	0
4	4	NV	exerciseDate				cm	cm	cm	cm	cm	cm
5	1	date	value	10			cm(8)	cm(8)	cm(8)	cm(8)	cm(8)	cm(8)
5	2	IDREF	footnoteld			99	cm(8)	cm(8)	cm(8)	cm(8)	cm(8)	cm(8)
4	5	NV	expirationDate				cm	cm	cm	cm	cm	cm
5	1	date	value	10			cm(8)	cm(8)	cm(8)	cm(8)	cm(8)	cm(8)
5	2	IDREF	footnoteld			99	cm(8)	cm(8)	cm(8)	cm(8)	cm(8)	cm(8)
4	6	NV	underlyingSecurity				cm	cm	cm	cm	cm	cm
5	1	NV	underlyingSecurityTitle				cm	cm	cm	cm	cm	cm
6	1	string	value	60			cm	cm	cm	cm	cm	cm
6	2	IDREF	footnoteld			99	cm	cm	cm	cm	cm	cm

		Data		Max		Max		Submission			Submission	
Level	Order	Type	Element Name	Length	Choice List	Occur	Type 3	Type 3/A	Type 4	Type 4/A	Type 5	Type 5/A
5	2	NV	underlyingSecurityShares				cm(6,8)	cm(6,8)	cm(6,8)	cm(6,8)	cm(6,8)	cm(6,8)
6	1	decimal	value				cm(6,8)	cm(6,8)	cm(6,8)	cm(6,8)	cm(6,8)	cm(6,8)
6	2	IDREF	footnoteld			99	cm(8)	cm(8)	cm(8)	cm(8)	cm(8)	cm(8)
5	3	NV	underlyingSecurityValue				cm(6,8)	cm(6,8)	cm(6,8)	cm(6,8)	cm(6,8)	cm(6,8)
6	1	decimal	value				cm(6,8)	cm(6,8)	cm(6,8)	cm(6,8)	cm(6,8)	cm(6,8)
6	2	IDREF	footnoteld			99	cm(8)	cm(8)	cm(8)	cm(8)	cm(8)	cm(8)
4	7	NV	postTransactionAmounts						cm	cm	cm	cm
5	1	NV	sharesOwnedFollowingTransa ction						cm(7)	cm(7)	cm(7)	cm(7)
6	1	decimal	value						cm(7)	cm(7)	cm(7)	cm(7)
6	2	IDREF	footnoteld			99			0	0	0	0
5	2	NV	valueOwnedFollowingTransact ion						cm(7)	cm(7)	cm(7)	cm(7)
6	1	decimal	value						cm(7)	cm(7)	cm(7)	cm(7)
6	2	IDREF	footnoteld			99			0	0	0	0
4	8	NV	ownershipNature				cm	cm	cm	cm	cm	cm
5	1	NV	directOrIndirectOwnership				cm	cm	cm	cm	cm	cm
6	1	string	value	1	OwnerTypeLi st		cm	cm	cm	cm	cm	cm
6	2	IDREF	footnoteld			99	0	0	0	0	0	0
5	2	NV	natureOfOwnership				cm(5)	cm(5)	cm(5)	cm(5)	cm(5)	cm(5)
6	1	string	value	100			cm(5)	cm(5)	cm(5)	cm(5)	cm(5)	cm(5)
6	2	IDREF	footnoteld			99	0	0	0	0	0	0
2	<del>13</del> 14	NV	footnotes				0	0	0	0	0	0

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		Data		Max		Max	Submission	Submission	Submission	Submission	Submission	Submission
Level	Order	Type	<b>Element Name</b>	Length	<b>Choice List</b>	Occur	Type 3	Type 3/A	Type 4	Type 4/A	Type 5	Type 5/A
3	1	string	footnote	1000		99	0	0	0	0	0	0
2	<del>14</del> 15	string	remarks	2000			0	0	0	0	0	0
2	<del>15</del> 16	NV	ownerSignature			10	m	m	m	m	m	m
3	1	string	signatureName	255			m	m	m	m	m	m
3	2	date	signatureDate	10			m	m	m	m	m	m

## 3.6 Choice List Values

## 3.6.1 AcqDispList

These are the valid values for a <transactionAcquiredDisposedCode> element in the primary document:

Value	Meaning
A	Acquired
D	Disposed

## 3.6.2 DocTypeList

This list, which is actually a combination of two sets of values, defines the valid entries for a <edgarDocument.documentType> element in the submission file.

The <documentType> of the primary document must match the submission type, so it must be one of these values:

Value for Primary Document
3
3/A
4
4/A
5
5/A

The <documentType> of a supporting document must be one of these values:

Value for Supporting Document
CORRESP
COVER
EX-24
EX-99
GRAPHIC

You can actually append optional text to these DocType values. This optional text must begin with a period. The overall length of the DocType value cannot exceed 20 characters. Some examples of a valid DocType are:

COVER.i\_wrote\_this COVER.1 EX-99.myExhibit

## 3.6.3 FormTypeList

These are the valid values for a <transactionFormType> element in the primary document:

Submission Type	Transaction Value	Holding Value
4, 4/A	4, 5	
5, 5/A	4, 5	3

You can report a "5" <derivativeTransaction> or <nonDerivativeTransaction> via a "4" submission.

You can report a "4" <derivativeTransaction> or <nonDerivativeTransaction> transaction via a "5" submission.

You can report a "3" <derivativeHolding> or <nonDerivativeHolding> via a "5" submission.

#### 3.6.4 OwnerTypeList

These are the valid values for a <directOrIndirectOwnership> element in the primary document:

Value	Meaning
D	Direct
I	Indirect

#### 3.6.5 StateCodeList

EDGAR recognizes 309 two-character designators for the <rptOwnerState> element in the primary document. These are provided in Appendix A. These codes are actually a combination of values for the 50 US states, the Canadian Provinces, and other countries and territories.

## 3.6.6 SubTypeList

These are the valid values for the <submissionType> element in the submission document and the <documentType> element in the primary document:

Value		
3		
3/A		
4		
4/A		
5		
5/A		

#### 3.6.7 TestLiveList

These are the valid values for the <testOrLive> element in the submission file:

Value	
LIVE	

TEST

## 3.6.8 TimelinessList

These are the valid values for a <transactionTimeliness> element in the primary document:

Value	Meaning
Е	Early
L	Late
empty	On-time

## 3.6.9 TransCodeList

These are the valid values for a <transactionCode> element in the primary document:

Value	Meaning
A	Grant, award or other acquisition pursuant to Rule 16b-3(d)
С	Conversion of derivative security
D	Disposition to the issuer of issuer equity securities pursuant to Rule 16b-3(e)
Е	Expiration of short derivative position
F	Payment of exercise price or tax liability by delivering or withholding securities incident to the receipt, exercise or vesting of a security issued in accordance with Rule 16b-3
G	Bona fide gift
Н	Expiration (or cancellation) of long derivative position with value received
I	Discretionary transaction in accordance with Rule 16b-3(f) resulting in acquisition or disposition of issuer securities
J	Other acquisition or disposition (describe transaction)
L	Small acquisition under Rule 16a-6
M	Exercise or conversion of derivative security exempted pursuant to Rule 16b-3
О	Exercise of out-of-the-money derivative security
Р	Open market or private purchase of non-derivative or derivative security
S	Open market or private sale of non-derivative or derivative security
U	Disposition pursuant to a tender of shares in a change of control transaction

Value	Meaning
	Acquisition or disposition by will or the laws of descent and distribution
X	Exercise of in-the-money or at-the-money derivative security
Z	Deposit into or withdrawal from voting trust

#### 4. BASIC SUBMISSION CONSTRUCTION

## 4.1 General Formatting of XML Files

These rules apply to both the submission file and the primary document of an XML-format Ownership 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 and document files 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. The SEC will not be reformatting XML files for readability. 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 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 Reporting Owner CIK value which cannot be longer than 10 characters, this specification is correct:

```
<rptOwnerCik>1212121212
```

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.

```
<rptOwnerCik>
1212121212
</rptOwnerCik>
```

#### 4.2 XML Submission File Rules

These rules are specific to the submission file:

- 1. The submission file must contain a single "primary" XML document.
- 2. The submission file may also contain additional supporting documents.
- 3. The order of any <notificationEmailAddress> elements does not matter.
- 5. The order of the <edgarDocument> specifications does not matter. The primary XML document does not have to be specified in the first <edgarDocument> block.
- 6. The names of attached document files must follow the EDGAR file naming convention:

- 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.
- File extension of the primary document must be .xml.
- File extension of all other documents must be .txt, .htm, .jpg, or .gif.
- 7. The submission file must conform to the edgarSubmission.xsd.xml XML schema file. Any violation of this schema will result in the suspension of the filing.

## 4.2.1 Enclosing a Document

The XML for an enclosed document looks like this:

The <documentDescription> is optional, but all other elements must be present and must have a value.

The <documentMimeBlock> element must contain a MIME encoded document. You can use any standard 64-character set based MIME encoding algorithm to create a MIME document.

You may enclose no more than 611 documents (one primary plus 610 supporting documents).

#### 4.2.1.1 Primary Document

- 1. The single primary document file must end with an .xml extension.
- 2. The document type must match the submission type.
- 3. The file must conform to the ownershipDocument.xsd.xml XML schema file. Any violation of this schema will result in the suspension of the filing.

# 4.2.1.2 Supporting Documents

1. Allowable file extensions are .txt, .htm, .jpg, and .gif.

**Note:** The six Ownership types do not allow the inclusion of Portable Document Format (PDF) documents. EDGAR will discard any attached PDF documents and issue a WARNING to that effect.

2. The allowable document types are shown in the DocTypeList table in Section 3.6.2.

3. The document count limits by type are:

Document Type	Maximum Allowed
CORRESP	100
COVER	10
EXHIBIT (EX-24 or EX-99)	500
plus GRAPHIC	

## 4.3 XML Primary Document Rules

The primary document must conform to the ownershipDocument.xsd.xml XML schema file. Any violation of this schema will result in the suspension of the filing.

The table in Section 3.5 provides a detailed summary of the XML elements that apply to each submission type. The following sections reinforce and supplement the contents of this table.

The <schemaVersion> element should not be included. If you do provide a value for this element, EDGAR will generate a WARNING and discard the value. Additionally, if the value you provide does not match the current version of the schema file being used by EDGAR, then EDGAR will generate a second WARNING. EDGAR will insert the correct value for this element into the "document of record" that gets disseminated.

The <documentType> element must have the same value as provided in the <submissionType> element of the submission file.

Do not include the <noSecuritiesOwned> element in a "3" or "3/A" document. EDGAR will determine the value for this element based on the number of entries in the <nonDerivativeTable> and <derivativeTable> sections of the document. If either table has at least one valid entry, EDGAR will set this element to true. Otherwise, it will be set to false. EDGAR will insert this element into the "document of record" that gets disseminated.

Do not include the <form3HoldingsReported> element in a "5" or "5/A" document. EDGAR will determine the value for this element based on the number of <nonDerivativeHolding> and <derivativeHolding> elements with a <transactionFormType> value of "3." If at least one "3" holding is being reported, EDGAR will set this element to true. Otherwise, it will be set to false. EDGAR will insert this element into the "document of record" that gets disseminated.

Do not include the <form4TransactionsReported> element in a "5" or "5/A" document. EDGAR will determine the value for this element based on the number of <nonDerivativeTransaction> and <derivativeTransaction> elements with a <transactionFormType> value of "4." If at least one "4" transaction is being reported, EDGAR will set this element to true. Otherwise, it will be set to false. EDGAR will insert this element into the "document of record" that is disseminated.

In a "4," "4/A," "5," or "5/A" submission, include the <notSubjectToSection16> element with a value of "true" if you are not including any transactions or holdings in the <nonDerivativeTable> or <derivativeTable> blocks. EDGAR will SUSPEND the submission if it has no transactions or holdings and the <notSubjectToSection16> element is not included with a value of "true."

## 4.3.1 Specifying Issuer

You must provide a CIK and Trading Symbol. The CIK does not have to be conformed with leading zeroes.

Do not provide an Issuer Name. EDGAR will insert the Issuer Name associated with the provided CIK into the "document of record" that is disseminated. If you do include a value for the <issuerName> element, EDGAR will issue a WARNING and discard the provided value.

#### 4.3.2 Specifying a Reporting Owner

You must provide a CIK and CCC. The CIK does not have to be conformed with leading zeroes. EDGAR removes the CCC from the "document of record" that is disseminated.

Do not provide a Reporting Owner Name. EDGAR will insert the Owner Name associated with the provided CIK into the "document of record" that get disseminated. If you do include a value for the <rptOwnerName> element, EDGAR will issue a WARNING and discard the provided value.

The order of multiple Reporting Owners is not important. There is no "primary" owner.

Each Reporting Owner can only be included once. A duplicate Reporting Owner CIK will cause a SUSPENSE error.

The address information is optional. If you provide no address information at all, EDGAR will retrieve the address of record for the provided CIK and insert that address into the "document of record" that is disseminated.

If you provide any one of the <rptOwnerStreet1>, <rptOwnerStreet2>, <rptOwnerCity>, <rptOwnerState>, or <rptOwnerZipCode> elements, EDGAR will not retrieve the address of record. The "document of record" will simply contain the address information you provide. Remember the <rptOwnerState> element is limited to the values provided in Appendix A.

## 4.3.3 Specifying Non-Derivative Transactions and Holdings

The order of the transactions and holdings does not matter.

You must provide at least one valid <nonDerivativeTransaction> or <derivativeTransaction> specification in a "4," "4/A," "5," or "5/A" submission. If not, EDGAR will SUSPEND the submission. This constraint does not apply if you provide a <notSubjectToSection16> element with a value of "true."

## 4.3.4 Specifying Derivative Transactions and Holdings

The order of the transactions and holdings does not matter.

You must provide at least one valid <nonDerivativeTransaction> or <derivativeTransaction> specification in a "4," "4/A," "5," or "5/A" submission. If not, EDGAR will SUSPEND the submission. This constraint does not apply if you provide a <notSubjectToSection16> element with a value of "true."

## 4.3.5 Specifying Footnotes

You may specify up to 99 footnotes.

The format of all Footnote ID's is an uppercase "F" followed by a number between 1 and 99 (e.g., "F1," "F2," "F88"). Any ID not conforming to this format (e.g., "f3," "1," "(5)," "F01," "F99") will cause a SUSPENSE error.

This is a section of XML that defines five footnotes;

```
<footnotes>
    <footnote id="F1">This is a footnote for the Security Title field.</footnote>
    <footnote id="F2">Footnote for number of securities.</footnote>
    <footnote id="F3">Footnote for value of securities.</footnote>
    <footnote id="F4">Footnote for expiration date.</footnote>
    <footnote id="F4">Footnote for expiration date.</footnote>
    </footnote>>
```

This example will cause a SUSPENSE error since "F2" is defined twice:

```
<footnotes>
    <footnote id="F1">This is a footnote for the Security Title field.</footnote>
    <footnote id="F2">Footnote for number of securities.</footnote>
    <footnote id="F3">Footnote for value of securities.</footnote>
    <footnote id="F2">Footnote for expiration date.</footnote>
</footnotes>
```

## 4.3.6 Referencing Footnotes

Practically every element in the <nonDerivativeTransaction>, <derivativeTransaction>, <nonDerivativeHolding>, and <derivativeHolding> structures can reference one or more footnotes.

The linkage between transaction and holding elements and footnotes is made via schema "ID" and "IDREF" tags. The format of all Footnote ID's is an uppercase "F" followed by a number between 1 and 99 (e.g., "F1," "F2," "F88"). Any ID not conforming to this format (e.g., "f3," "1," "(5)," "F01," "F99") will cause a SUSPENSE error.

A single field may be associated with multiple footnotes:

Multiple fields may be associated with the same footnote:

A single field cannot reference the same footnote more than once. This example will result in a SUSPENSE error since footnote "F1" is referenced twice by a single <exerciseDate> element:

## 4.3.7 Specifying Signatures

A signature is not "tied" to a Reporting Owner. So, the order of multiple signatures does not matter.

The number of signatures does not need to be the same as the number of Reporting Owners.

The <signatureName> element will accept up to 255 characters, so you may include a Title for the signatory if you wish.

## 4.3.8 Specifying Transaction Code

EDGAR will create the actual Transaction Code for a reported <nonDerivativeTransaction> or <derivativeTransaction> based upon the data provided in the <transactionCoding> and <transactionTimeliness> elements.

For a <nonDerivativeHolding> or <derivativeHolding>, you only provide a <transactionCoding> element for the special case of reporting a "late" holding via a "5" submission. In this case, you are reporting a holding on a "5" that should really have been reported earlier via a "3" submission.

This is a section of XML from a "5" submission that shows all the elements pertinent to determining an actual Transaction Code:

```
<transactionCoding>
    <transactionFormType>5</transactionFormType>
    <transactionCode>A</transactionCode>
    <equitySwapInvolved>0</equitySwapInvolved>
</transactionCoding>
    <transactionTimeliness>
         <value>L</value>
</transactionTimeliness>
</transactionTimeliness>
```

## 4.3.8.1 Submission Types "3" and "3/A"

Holdings reported in "3" and "3/A" submissions do not have <transactionCoding> or <transactionTimeliness> elements.

## 4.3.8.2 Submission Types "4" and "4/A"

Holdings reported in "4" and "4/A" submissions do not have <transactionCoding> or <transactionTimeliness> elements.

Transactions are subject to these rules:

- The <transactionFormType> is mandatory and must be "4" or "5."
- The <transactionCode> element is mandatory and is limited to the values shown in Section 3.6.9, the TransCodeList choices.
- The <equitySwapInvolved> element is mandatory and must be set to "1" or "true" if the transaction involves an equity swap. EDGAR will add a "K" to the generated transaction code if an equity swap is involved.
- The <transactionTimeliness.value> element is optional and should be left empty.
- By definition, a "4" transaction is on time. Provide no value for this case.
- By definition, a "5" transaction is early. You do not have to provide a value of "E," but you can if you wish. A value other than "E" will cause a SUSPENSE error. EDGAR will add a "V" to the generated transaction code for an early "5" transaction.

Form Type	Transaction Code	Equity Swap	Timeliness
4	See Section 3.6.9	0 or 1	On-time by definition, so leave empty
5	See Section 3.6.9	0 or 1	Early by definition, so leave empty or set to "E"

## 4.3.8.3 Submission Types "5" and "5/A"

Holdings reported in "5" and "5/A" submissions do not have <transactionCoding> or <transactionTimeliness> elements with one exception. You can report a late "3" holding via a "5" submission. To distinguish such a holding from other holdings, you must provide a <transactionFormType> value of "3."

Transactions are subject to these rules:

- The <transactionFormType> is mandatory and must be "4" or "5."
- The <transactionCode> element is mandatory and is limited to the values shown in Section 3.6.9, the TransCodeList choices.
- The <equitySwapInvolved> element is mandatory and must be set to "1" or "true" if the transaction involves an equity swap. EDGAR will add a "K" to the generated transaction code if an equity swap is involved.
- The <transactionTimeliness.value> element is optional.
- By definition, EDGAR treats a "4" transaction as late. You do not have to provide a value of "L," but you can if you wish. A value other than "L" will cause a SUSPENSE error.
- By definition, EDGAR treats a "5" transaction as timely. To report a late "5" transaction, you must provide a value of "L." A value other than "L" will cause a SUSPENSE error.

Form Type	Transaction Code	Equity Swap	Timeliness
Type	Code	Swap	1 illienness
4	See Section 3.6.9	0 or 1	Late by definition, so leave empty or set to "L."
5	See Section 3.6.9	0 or 1	Leave empty for on time or set to "L" for late.

## 5. ERROR REPORTING

EDGAR will generate an error for each violation of an XML schema constraint, as well as for each violation of an Ownership 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.

Elements not in sequence prescribed in Sections 3.4 and 3.5  Inclusion of XML-stylesheet reference or any other Processing Instruction Inclusion of an element not prescribed in the schema SUSPENSE String value exceeds maximum length constraint SUSPENSE String value exceeds maximum length constraint SUSPENSE Suspenst Element constrained by a Choice List has an invalid value SUSPENSE Mandatory element has no value or an invalid value SUSPENSE Mandatory element has no value or an invalid value SUSPENSE Special character (&, <, >) not provided as escape sequence SUSPENSE Date, Boolean, or Decimal element does not have a value SUSPENSE Duplicate Reporting Owner CIK Suspense Duplicate Notification Address Uspense Inclusion of a footnote that is never referenced Suspense Inclusion of a footnote that is never referenced Suspense Multiple references to the same footnote from within a single element Suspense "NA" or blank field has a value Warning Invalid Issuer CIK Suspense Invalid Reporting Owner CIK and/or CCC Suspense Inclusion of a PDF document Exceeding a "Max Occur" limit from Section 3.4 and 3.5 (e.g., more than 10 Reporting Owners or more than 30 Derivative Securities) Invalid content in an enclosed ASCII document. Refer to the EDGAR Filer Manual for details. Warning Invalid content in an enclosed HTML document. Refer to the EDGAR Filer Manual for details.  Enclosed graphic document that is not referenced by an HTML document Suspense Any XML schema violation not mentioned in previous table row Suspense of <directorindirectownership> is "D"</directorindirectownership>	Error Condition	Severity
Inclusion of an element not prescribed in the schema  SUSPENSE String value exceeds maximum length constraint  SUSPENSE Element constrained by a Choice List has an invalid value  SUSPENSE Mandatory element has no value or an invalid value  SUSPENSE Special character (&, <, >) not provided as escape sequence  SUSPENSE Date, Boolean, or Decimal element does not have a value  SUSPENSE Duplicate Reporting Owner CIK  SUSPENSE Duplicate Notification Address Invalid footnote ID (must be "F" followed by number from 1 to 99)  SUSPENSE Duplicate footnote ID  SUSPENSE  Multiple references to the same footnote from within a single element  SUSPENSE  "NA" or blank field has a value  WARNING Invalid Issuer CIK  SUSPENSE Invalid Reporting Owner CIK and/or CCC  SUSPENSE Invalid Reporting Owner CIK and/or CCC  SUSPENSE Inclusion of a PDF document  Exceeding a "Max Occur" limit from Section 3.4 and 3.5 (e.g., more than 10 Reporting Owners or more than 30 Derivative Securities)  Invalid content in an enclosed ASCII document. Refer to the EDGAR Filer Manual for details.  Invalid content in an enclosed HTML document. Refer to the EDGAR Filer Manual for details.  Enclosed graphic document that is not referenced by an HTML document SUSPENSE Inclusion of value for <ome <ome="" an="" enclosed="" for="" inclusion="" of="" suspense="" suspense<="" td="" value=""><td>Elements not in sequence prescribed in Sections 3.4 and 3.5</td><td>SUSPENSE</td></ome>	Elements not in sequence prescribed in Sections 3.4 and 3.5	SUSPENSE
String value exceeds maximum length constraint  Element constrained by a Choice List has an invalid value  SUSPENSE  Mandatory element has no value or an invalid value  SUSPENSE  Special character (&, <, >) not provided as escape sequence  Suspense  Date, Boolean, or Decimal element does not have a value  Suspense  Duplicate Reporting Owner CIK  Suspense  Duplicate Notification Address  Invalid footnote ID (must be "F" followed by number from 1 to 99)  Suspense  Marning  Inclusion of a footnote that is never referenced  Suspense  "NA" or blank field has a value  Invalid Issuer CIK  Invalid Issuer CIK  Invalid Reporting Owner CIK and/or CCC  Suspense  Invalid Reporting Owner CIK and/or CCC  Suspense  Inclusion of a PDF document  Exceeding a "Max Occur" limit from Section 3.4 and 3.5 (e.g., more than 10 Reporting Owners or more than 30 Derivative Securities)  Invalid content in an enclosed ASCII document. Refer to the EDGAR Filer Manual for details.  Invalid content in an enclosed HTML document. Refer to the EDGAR  Filer Manual for details.  Enclosed graphic document that is not referenced by an HTML document  Suspense  Inclusion of value for <omennment <omennment="" any="" for="" for<="" in="" inclusion="" mentioned="" not="" of="" one="" previous="" row="" schema="" suspense="" table="" td="" value="" violation="" xml=""><td>Inclusion of XML-stylesheet reference or any other Processing Instruction</td><td>SUSPENSE</td></omennment>	Inclusion of XML-stylesheet reference or any other Processing Instruction	SUSPENSE
Element constrained by a Choice List has an invalid value  Mandatory element has no value or an invalid value  SUSPENSE  Special character (&, <, >) not provided as escape sequence  SUSPENSE  Date, Boolean, or Decimal element does not have a value  SUSPENSE  Duplicate Reporting Owner CIK  SUSPENSE  Duplicate Notification Address  WARNING  Invalid footnote ID (must be "F" followed by number from 1 to 99)  SUSPENSE  Duplicate footnote ID (must be "F" followed by number from 1 to 99)  SUSPENSE  Inclusion of a footnote that is never referenced  SUSPENSE  Multiple references to the same footnote from within a single element  "NA" or blank field has a value  WARNING  Invalid Issuer CIK  SUSPENSE  Invalid Reporting Owner CIK and/or CCC  SUSPENSE  Inclusion of a PDF document  Exceeding a "Max Occur" limit from Section 3.4 and 3.5 (e.g., more than 10 Reporting Owners or more than 30 Derivative Securities)  Invalid content in an enclosed ASCII document. Refer to the EDGAR Filer  Manual for details.  WARNING  Invalid content in an enclosed HTML document. Refer to the EDGAR  Filer Manual for details.  WARNING  Enclosed graphic document that is not referenced by an HTML document  SUSPENSE  Inclusion of value for <ownershipnature.natureofownership> when value  SUSPENSE</ownershipnature.natureofownership>	Inclusion of an element not prescribed in the schema	SUSPENSE
Mandatory element has no value or an invalid value  Suspense Special character (&, <, >) not provided as escape sequence Suspense Date, Boolean, or Decimal element does not have a value Suspense Duplicate Reporting Owner CIK Suspense Duplicate Notification Address Warning Invalid footnote ID (must be "F" followed by number from 1 to 99) Suspense Inclusion of a footnote that is never referenced Suspense Duplicate footnote ID Suspense Multiple references to the same footnote from within a single element Suspense Warning Invalid Issuer CIK Suspense Invalid Reporting Owner CIK and/or CCC Suspense Inclusion of a PDF document Exceeding a "Max Occur" limit from Section 3.4 and 3.5 (e.g., more than 10 Reporting Owners or more than 30 Derivative Securities) Invalid content in an enclosed ASCII document. Refer to the EDGAR Filer Manual for details. Varning Invalid content in an enclosed HTML document. Refer to the EDGAR Filer Manual for details. Suspense Any XML schema violation not mentioned in previous table row Suspense Inclusion of value for <ownershipnature.natureofownership> when value Suspense Suspense</ownershipnature.natureofownership>	String value exceeds maximum length constraint	SUSPENSE
Special character (&, <, >) not provided as escape sequence  Date, Boolean, or Decimal element does not have a value  SUSPENSE  Duplicate Reporting Owner CIK  Suspense  Duplicate Notification Address  Invalid footnote ID (must be "F" followed by number from 1 to 99)  Invalid footnote ID (must be "F" followed by number from 1 to 99)  Suspense  Inclusion of a footnote that is never referenced  Suspense  Duplicate footnote ID  Suspense  Multiple references to the same footnote from within a single element  "NA" or blank field has a value  WARNING  Invalid Issuer CIK  Invalid Reporting Owner CIK and/or CCC  Improperly formatted email address  Inclusion of a PDF document  Exceeding a "Max Occur" limit from Section 3.4 and 3.5 (e.g., more than 10 Reporting Owners or more than 30 Derivative Securities)  Invalid content in an enclosed ASCII document. Refer to the EDGAR Filer Manual for details.  Invalid content in an enclosed HTML document. Refer to the EDGAR  Filer Manual for details.  Suspense or WARNING  Enclosed graphic document that is not referenced by an HTML document  Suspense  Inclusion of value for <ownershipnature.natureofownership> when value  Suspense  Suspense</ownershipnature.natureofownership>	Element constrained by a Choice List has an invalid value	SUSPENSE
Date, Boolean, or Decimal element does not have a value  Duplicate Reporting Owner CIK  Duplicate Notification Address  Invalid footnote ID (must be "F" followed by number from 1 to 99)  Inclusion of a footnote that is never referenced  SUSPENSE  Duplicate footnote ID  SUSPENSE  Multiple references to the same footnote from within a single element  SUSPENSE  "NA" or blank field has a value  WARNING  Invalid Issuer CIK  Invalid Reporting Owner CIK and/or CCC  Improperly formatted email address  Inclusion of a PDF document  Exceeding a "Max Occur" limit from Section 3.4 and 3.5 (e.g., more than 10 Reporting Owners or more than 30 Derivative Securities)  Invalid content in an enclosed ASCII document. Refer to the EDGAR Filer Manual for details.  Invalid content in an enclosed HTML document. Refer to the EDGAR Filer Manual for details.  Enclosed graphic document that is not referenced by an HTML document  SUSPENSE  Inclusion of value for <ownershipnature.natureofownership> when value  SUSPENSE  Inclusion of value for <ownershipnature.natureofownership> when value  SUSPENSE</ownershipnature.natureofownership></ownershipnature.natureofownership>	Mandatory element has no value or an invalid value	SUSPENSE
Duplicate Reporting Owner CIK  Duplicate Notification Address  Invalid footnote ID (must be "F" followed by number from 1 to 99)  SUSPENSE  Inclusion of a footnote that is never referenced  SUSPENSE  Duplicate footnote ID  SUSPENSE  Multiple references to the same footnote from within a single element  SUSPENSE  "NA" or blank field has a value  WARNING  Invalid Issuer CIK  SUSPENSE  Invalid Reporting Owner CIK and/or CCC  SUSPENSE  Inclusion of a PDF document  Exceeding a "Max Occur" limit from Section 3.4 and 3.5 (e.g., more than 10 Reporting Owners or more than 30 Derivative Securities)  Invalid content in an enclosed ASCII document. Refer to the EDGAR Filer Manual for details.  Invalid content in an enclosed HTML document. Refer to the EDGAR  Filer Manual for details.  WARNING  Enclosed graphic document that is not referenced by an HTML document  SUSPENSE  Inclusion of value for <ownershipnature.natureofownership> when value  SUSPENSE  Inclusion of value for <ownershipnature.natureofownership> when value</ownershipnature.natureofownership></ownershipnature.natureofownership>		SUSPENSE
Duplicate Notification Address  Invalid footnote ID (must be "F" followed by number from 1 to 99)  SUSPENSE Inclusion of a footnote that is never referenced  SUSPENSE  Duplicate footnote ID  SUSPENSE  Multiple references to the same footnote from within a single element  SUSPENSE  "NA" or blank field has a value  WARNING Invalid Issuer CIK  Invalid Reporting Owner CIK and/or CCC  SUSPENSE  Inclusion of a PDF document  Exceeding a "Max Occur" limit from Section 3.4 and 3.5 (e.g., more than 10 Reporting Owners or more than 30 Derivative Securities)  Invalid content in an enclosed ASCII document. Refer to the EDGAR Filer  Manual for details.  WARNING  Invalid content in an enclosed HTML document. Refer to the EDGAR Filer Manual for details.  Enclosed graphic document that is not referenced by an HTML document  SUSPENSE  Inclusion of value for <ownershipnature.natureofownership> when value  SUSPENSE  Inclusion of value for <ownershipnature.natureofownership> when value</ownershipnature.natureofownership></ownershipnature.natureofownership>	Date, Boolean, or Decimal element does not have a value	SUSPENSE
Invalid footnote ID (must be "F" followed by number from 1 to 99)  Inclusion of a footnote that is never referenced  SUSPENSE  Duplicate footnote ID  SUSPENSE  Multiple references to the same footnote from within a single element  SUSPENSE  "NA" or blank field has a value  WARNING  Invalid Issuer CIK  Invalid Reporting Owner CIK and/or CCC  Improperly formatted email address  Inclusion of a PDF document  Exceeding a "Max Occur" limit from Section 3.4 and 3.5 (e.g., more than 10 Reporting Owners or more than 30 Derivative Securities)  Invalid content in an enclosed ASCII document. Refer to the EDGAR Filer  Manual for details.  Invalid content in an enclosed HTML document. Refer to the EDGAR  Filer Manual for details.  WARNING  Enclosed graphic document that is not referenced by an HTML document  SUSPENSE  Inclusion of value for <ownershipnature.natureofownership> when value  SUSPENSE  Inclusion of value for <ownershipnature.natureofownership> when value</ownershipnature.natureofownership></ownershipnature.natureofownership>	Duplicate Reporting Owner CIK	SUSPENSE
Inclusion of a footnote that is never referenced  Duplicate footnote ID  SUSPENSE  Multiple references to the same footnote from within a single element  SUSPENSE  "NA" or blank field has a value  WARNING  Invalid Issuer CIK  SUSPENSE  Invalid Reporting Owner CIK and/or CCC  SUSPENSE  Improperly formatted email address  Inclusion of a PDF document  Exceeding a "Max Occur" limit from Section 3.4 and 3.5 (e.g., more than 10 Reporting Owners or more than 30 Derivative Securities)  Invalid content in an enclosed ASCII document. Refer to the EDGAR Filer  Manual for details.  Invalid content in an enclosed HTML document. Refer to the EDGAR  Filer Manual for details.  WARNING  Enclosed graphic document that is not referenced by an HTML document  SUSPENSE  Any XML schema violation not mentioned in previous table row  SUSPENSE  Inclusion of value for <ownershipnature.natureofownership> when value</ownershipnature.natureofownership>		WARNING
Duplicate footnote ID  Multiple references to the same footnote from within a single element  "NA" or blank field has a value  WARNING  Invalid Issuer CIK  Invalid Reporting Owner CIK and/or CCC  Improperly formatted email address  Inclusion of a PDF document  Exceeding a "Max Occur" limit from Section 3.4 and 3.5 (e.g., more than 10 Reporting Owners or more than 30 Derivative Securities)  Invalid content in an enclosed ASCII document. Refer to the EDGAR Filer Manual for details.  Invalid content in an enclosed HTML document. Refer to the EDGAR  Filer Manual for details.  UNARNING  SUSPENSE or WARNING  Filer Manual for details.  Enclosed graphic document that is not referenced by an HTML document  SUSPENSE  Any XML schema violation not mentioned in previous table row  Inclusion of value for <omensurable row="" suspense.<="" td=""><td></td><td>SUSPENSE</td></omensurable>		SUSPENSE
Multiple references to the same footnote from within a single element  "NA" or blank field has a value  WARNING  Invalid Issuer CIK  Invalid Reporting Owner CIK and/or CCC  SUSPENSE  Improperly formatted email address  Inclusion of a PDF document  Exceeding a "Max Occur" limit from Section 3.4 and 3.5 (e.g., more than 10 Reporting Owners or more than 30 Derivative Securities)  Invalid content in an enclosed ASCII document. Refer to the EDGAR Filer Manual for details.  Invalid content in an enclosed HTML document. Refer to the EDGAR  Filer Manual for details.  UNARNING  Enclosed graphic document that is not referenced by an HTML document  Any XML schema violation not mentioned in previous table row  SUSPENSE  Inclusion of value for <ownershipnature.natureofownership> when value  SUSPENSE</ownershipnature.natureofownership>		
"NA" or blank field has a value Invalid Issuer CIK Invalid Reporting Owner CIK and/or CCC Improperly formatted email address Inclusion of a PDF document Exceeding a "Max Occur" limit from Section 3.4 and 3.5 (e.g., more than 10 Reporting Owners or more than 30 Derivative Securities) Invalid content in an enclosed ASCII document. Refer to the EDGAR Filer Manual for details. USPENSE or WARNING Invalid content in an enclosed HTML document. Refer to the EDGAR Filer Manual for details. USPENSE or Filer Manual for details. USPENSE or WARNING Enclosed graphic document that is not referenced by an HTML document Any XML schema violation not mentioned in previous table row Inclusion of value for <ownershipnature.natureofownership> when value SUSPENSE</ownershipnature.natureofownership>	Duplicate footnote ID	SUSPENSE
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Invalid Reporting Owner CIK and/or CCC Improperly formatted email address Inclusion of a PDF document  Exceeding a "Max Occur" limit from Section 3.4 and 3.5 (e.g., more than 10 Reporting Owners or more than 30 Derivative Securities)  Invalid content in an enclosed ASCII document. Refer to the EDGAR Filer Manual for details.  Invalid content in an enclosed HTML document. Refer to the EDGAR Filer Manual for details.  Enclosed graphic document that is not referenced by an HTML document  Any XML schema violation not mentioned in previous table row Inclusion of value for <omensured <omensured="" for="" inclusion="" of="" suspense="" suspense<="" td="" value=""><td>"NA" or blank field has a value</td><td>WARNING</td></omensured>	"NA" or blank field has a value	WARNING
Improperly formatted email address  Inclusion of a PDF document  Exceeding a "Max Occur" limit from Section 3.4 and 3.5 (e.g., more than 10 Reporting Owners or more than 30 Derivative Securities)  Invalid content in an enclosed ASCII document. Refer to the EDGAR Filer Manual for details.  Invalid content in an enclosed HTML document. Refer to the EDGAR  Filer Manual for details.  Enclosed graphic document that is not referenced by an HTML document SUSPENSE or WARNING  Enclosed graphic document that is not referenced by an HTML document SUSPENSE  Any XML schema violation not mentioned in previous table row  Inclusion of value for <omenshipnature.natureofownership> when value  SUSPENSE</omenshipnature.natureofownership>	Invalid Issuer CIK	
Inclusion of a PDF document  Exceeding a "Max Occur" limit from Section 3.4 and 3.5 (e.g., more than 10 Reporting Owners or more than 30 Derivative Securities)  Invalid content in an enclosed ASCII document. Refer to the EDGAR Filer Manual for details.  Invalid content in an enclosed HTML document. Refer to the EDGAR Filer Manual for details.  UNARNING  SUSPENSE or WARNING Filer Manual for details.  Enclosed graphic document that is not referenced by an HTML document  Any XML schema violation not mentioned in previous table row  Inclusion of value for <omenshipnature.natureofownership> when value  SUSPENSE</omenshipnature.natureofownership>		SUSPENSE
Exceeding a "Max Occur" limit from Section 3.4 and 3.5 (e.g., more than 10 Reporting Owners or more than 30 Derivative Securities)  Invalid content in an enclosed ASCII document. Refer to the EDGAR Filer Manual for details.  Invalid content in an enclosed HTML document. Refer to the EDGAR SUSPENSE or Filer Manual for details.  Enclosed graphic document that is not referenced by an HTML document SUSPENSE Any XML schema violation not mentioned in previous table row  Inclusion of value for <omenshipnature.natureofownership> when value  SUSPENSE  SUSPENSE  SUSPENSE  SUSPENSE</omenshipnature.natureofownership>	- · · ·	SUSPENSE
10 Reporting Owners or more than 30 Derivative Securities)  Invalid content in an enclosed ASCII document. Refer to the EDGAR Filer Manual for details.  Invalid content in an enclosed HTML document. Refer to the EDGAR SUSPENSE or Filer Manual for details.  Enclosed graphic document that is not referenced by an HTML document SUSPENSE Any XML schema violation not mentioned in previous table row  Inclusion of value for <omenshipnature.natureofownership> when value  SUSPENSE  SUSPENSE</omenshipnature.natureofownership>		WARNING
Invalid content in an enclosed ASCII document. Refer to the EDGAR Filer Manual for details.  Invalid content in an enclosed HTML document. Refer to the EDGAR SUSPENSE or Filer Manual for details.  Enclosed graphic document that is not referenced by an HTML document SUSPENSE Any XML schema violation not mentioned in previous table row  Inclusion of value for <omenshipnature.natureofownership> when value  SUSPENSE  SUSPENSE</omenshipnature.natureofownership>		SUSPENSE
Manual for details.  Invalid content in an enclosed HTML document. Refer to the EDGAR Filer Manual for details.  Enclosed graphic document that is not referenced by an HTML document Any XML schema violation not mentioned in previous table row Inclusion of value for <omenshipnature.natureofownership> when value  WARNING SUSPENSE SUSPENSE</omenshipnature.natureofownership>		
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Filer Manual for details.  Enclosed graphic document that is not referenced by an HTML document  Any XML schema violation not mentioned in previous table row  Inclusion of value for <ownershipnature.natureofownership> when value  SUSPENSE  SUSPENSE</ownershipnature.natureofownership>		
Enclosed graphic document that is not referenced by an HTML document  Any XML schema violation not mentioned in previous table row  SUSPENSE  Inclusion of value for <ownershipnature.natureofownership> when value  SUSPENSE</ownershipnature.natureofownership>	Invalid content in an enclosed HTML document. Refer to the EDGAR	SUSPENSE or
Any XML schema violation not mentioned in previous table row SUSPENSE Inclusion of value for <ownershipnature.natureofownership> when value SUSPENSE</ownershipnature.natureofownership>		WARNING
Inclusion of value for <ownershipnature.natureofownership> when value</ownershipnature.natureofownership>		SUSPENSE
		SUSPENSE
	Inclusion of value for <ownershipnature.natureofownership> when value of <directorindirectownership> is "D"</directorindirectownership></ownershipnature.natureofownership>	SUSPENSE

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

## 6. EXAMPLE OWNERSHIP SUBMISSION FILES

These are examples, for all six Ownership submission types, of a submission file and a primary document:

<b>Submission Type</b>	<b>Submission File</b>	<b>Primary Document</b>
3	filing3.xml	doc3.xml
3/A	filing3a.xml	doc3a.xml
4	filing4.xml	doc4.xml
4/A	filing4a.xml	doc4a.xml
5	filing5.xml	doc5.xml
5/A	filing5a.xml	doc5a.xml

The submission files contain MIME versions of the primary documents. These MIME data blocks were copied from a 64-character set MIME version of the primary document and pasted into the submission file.

**APPENDICES** 

#### APPENDIX A. STATE AND COUNTRY CODES

These are the valid designators for the <rptOwnerState> element in the primary document. These codes are actually a combination of values for the 50 U.S. states, the Canadian Provinces, and other countries and territories.

Code	State or Country Name	
AL	ALABAMA	
AK	ALASKA	
AZ	ARIZONA	
AR	ARKANSAS	
CA	CALIFORNIA	
CO	COLORADO	
CT	CONNECTICUT	
DE	DELAWARE	
DC	DISTRICT OF COLUMBIA	
FL	FLORIDA	
GA	GEORGIA	
HI	HAWAII	
ID	IDAHO	
IL	ILLINOIS	
IN	INDIANA	
IA	IOWA	
KS	KANSAS	
KY	KENTUCKY	
LA	LOUISIANA	
ME	MAINE	
MD	MARYLAND	
MA	MASSACHUSETTS	
MI	MICHIGAN	
MN	MINNESOTA	
MS	MISSISSIPPI	
МО	MISSOURI	
MT	MONTANA	
NE	NEBRASKA	
NV	NEVADA	
NH	NEW HAMPSHIRE	
NJ	NEW JERSEY	
NM	NEW MEXICO	
NY	NEW YORK	
NC	NORTH CAROLINA	
ND	NORTH DAKOTA	
ОН	ОНЮ	
OK	OKLAHOMA	

Code	State or Country Name	
OR	OREGON	
PA	PENNSYLVANIA	
RI	RHODE ISLAND	
SC	SOUTH CAROLINA	
SD	SOUTH DAKOTA	
TN	TENNESSEE	
TX	TEXAS	
X1	UNITED STATES	
UT	UTAH	
VT	VERMONT	
VA	VIRGINIA	
WA	WASHINGTON	
WV	WEST VIRGINIA	
WI	WISCONSIN	
WY	WYOMING	
A0	ALBERTA, CANADA	
A1	BRITISH COLUMBIA, CANADA	
Z4	CANADA (FEDERAL LEVEL)	
A2	MANITOBA, CANADA	
A3	NEW BRUNSWICK, CANADA	
A4	NEWFOUNDLAND, CANADA	
A5	NOVA SCOTIA, CANADA	
A6	ONTARIO, CANADA	
A7	PRINCE EDWARD ISLAND, CANADA	
A8	QUEBEC, CANADA	
A9	SASKATCHEWAN, CANADA	
B0	YUKON, CANADA	
B2	AFGHANISTAN	
Y6	ALAND ISLANDS	
B3	ALBANIA	
B4	ALGERIA	
B5	AMERICAN SAMOA	
B6	ANDORRA	
B7	ANGOLA	
1A	ANGUILLA	
B8	ANTARCTICA	
B9	ANTIGUA AND BARBUDA	
C1	ARGENTINA	
1B	ARMENIA	
1C	ARUBA	
C3	AUSTRALIA	
C4	AUSTRIA	
1D	AZERBAIJAN	
	p (D) ((d) (()	

Code	State or Country Name		
C5	BAHAMAS		
C6	BAHRAIN		
C7	BANGLADESH		
C8	BARBADOS		
1F	BELARUS		
C9	BELGIUM		
D1	BELIZE		
G6	BENIN		
D0	BERMUDA		
D2	BHUTAN		
D3	BOLIVIA		
1E	BOSNIA AND HERZEGOVINA		
B1	BOTSWANA		
D4	BOUVET ISLAND		
D5	BRAZIL		
D6	BRITISH INDIAN OCEAN TERRITORY		
D9	BRUNEI DARUSSALAM		
E0	BULGARIA		
X2	BURKINA FASO		
E2	BURUNDI		
E3	CAMBODIA		
E4	CAMEROON		
E8	CAPE VERDE		
E9	CAYMAN ISLANDS		
F0	CENTRAL AFRICAN REPUBLIC		
F2	CHAD		
F3	CHILE		
F4	CHINA		
F6	CHRISTMAS ISLAND		
F7	COCOS (KEELING) ISLANDS		
F8	COLOMBIA		
F9	COMOROS		
G0	CONGO		
Y3	CONGO, THE DEMOCRATIC REPUBLIC OF THE		
G1	COOK ISLANDS		
G2	COSTA RICA		
L7	COTE D'IVOIRE		
1M	CROATIA		
G3	CUBA		
G4	CYPRUS		
2N	CZECH REPUBLIC		
G7	DENMARK		
1G	DJIBOUTI		
<u> </u>	I - PETT		

Code	State or Country Name	
G9	DOMINICA	
G8	DOMINICAN REPUBLIC	
H1	ECUADOR	
H2	EGYPT	
H3	EL SALVADOR	
H4	EQUATORIAL GUINEA	
1J	ERITREA	
1H	ESTONIA	
H5	ETHIOPIA	
H7	FALKLAND ISLANDS (MALVINAS)	
H6	FAROE ISLANDS	
H8	FIJI	
H9	FINLAND	
10	FRANCE	
13	FRENCH GUIANA	
14	FRENCH POLYNESIA	
2C	FRENCH SOUTHERN TERRITORIES	
15	GABON	
16	GAMBIA	
2Q	GEORGIA (COUNTRY)	
2M	GERMANY	
J0	GHANA	
J1	GIBRALTAR	
J3	GREECE	
J4	GREENLAND	
J5	GRENADA	
J6	GUADELOUPE	
GU	GUAM	
J8	GUATEMALA	
Y7	GUERNSEY	
J9	GUINEA	
S0	GUINEA-BISSAU	
K0	GUYANA	
K1	HAITI	
K4	HEARD ISLAND AND MCDONALD ISLANDS	
X4	HOLY SEE (VATICAN CITY STATE)	
K2	HONDURAS	
K3	HONG KONG	
K5	HUNGARY	
K6	ICELAND	
K7	INDIA	
K8	INDONESIA	
K9	IRAN, ISLAMIC REPUBLIC OF	
110	production in the control of	

Code	State or Country Name		
L0	IRAQ		
L2	IRELAND		
Y8	ISLE OF MAN		
L3	ISRAEL		
L6	ITALY		
L8	JAMAICA		
M0	JAPAN		
Y9	JERSEY		
M2	JORDAN		
1P	KAZAKSTAN		
M3	KENYA		
J2	KIRIBATI		
M4	KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF		
M5	KOREA, REPUBLIC OF		
M6	KUWAIT		
1N	KYRGYZSTAN		
M7	LAO PEOPLE'S DEMOCRATIC REPUBLIC		
1R	LATVIA		
M8	LEBANON		
M9	LESOTHO		
N0	LIBERIA		
N1	LIBYAN ARAB JAMAHIRIYA		
N2	LIECHTENSTEIN		
1Q	LITHUANIA		
N4	LUXEMBOURG		
N5	MACAU		
1U	MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF		
N6	MADAGASCAR		
N7	MALAWI		
N8	MALAYSIA		
N9	MALDIVES		
O0	MALI		
O1	MALTA		
1T	MARSHALL ISLANDS		
O2	MARTINIQUE		
O3	MAURITANIA		
04	MAURITIUS		
2P	MAYOTTE		
O5	MEXICO		
1K	MICRONESIA, FEDERATED STATES OF		
1S	MOLDOVA, REPUBLIC OF		
09	MONACO		
P0	MONGOLIA		
· ~	p		

Code	State or Country Name	
Z5	MONTENEGRO	
P1	MONTSERRAT	
P2	MOROCCO	
P3	MOZAMBIQUE	
E1	MYANMAR	
T6	NAMIBIA	
P5	NAURU	
P6	NEPAL	
P7	NETHERLANDS	
P8	NETHERLANDS ANTILLES	
1W	NEW CALEDONIA	
Q2	NEW ZEALAND	
Q3	NICARAGUA	
Q4	NIGER	
Q5	NIGERIA	
Q6	NIUE	
Q7	NORFOLK ISLAND	
1V	NORTHERN MARIANA ISLANDS	
Q8	NORWAY	
P4	OMAN	
R0	PAKISTAN	
1Y	PALAU	
1X	PALESTINIAN TERRITORY, OCCUPIED	
R1	PANAMA	
R2	PAPUA NEW GUINEA	
R4	PARAGUAY	
R5	PERU	
R6	PHILIPPINES	
R8	PITCAIRN	
R9	POLAND	
S1	PORTUGAL	
PR	PUERTO RICO	
S3	QATAR	
S4	REUNION	
S5	ROMANIA	
1Z	RUSSIAN FEDERATION	
S6	RWANDA	
Z0	SAINT BARTHELEMY	
U8	SAINT HELENA	
U7	SAINT KITTS AND NEVIS	
U9	SAINT LUCIA	
Z1	SAINT MARTIN	
V0	SAINT PIERRE AND MIQUELON	
	SAINT PIERRE AND MIQUELON	

G I			
Code	State or Country Name		
V1	SAINT VINCENT AND THE GRENADINES		
Y0	SAMOA		
S8	SAN MARINO		
S9	SAO TOME AND PRINCIPE		
T0	SAUDI ARABIA		
T1	SENEGAL		
Z2	SERBIA		
T2	SEYCHELLES		
T8	SIERRA LEONE		
U0	SINGAPORE		
2B	SLOVAKIA		
2A	SLOVENIA		
D7	SOLOMON ISLANDS		
U1	SOMALIA		
T3	SOUTH AFRICA		
1L	SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS		
U3	SPAIN		
F1	SRI LANKA		
V2	SUDAN		
V3	SURINAME		
L9	SVALBARD AND JAN MAYEN		
V6	SWAZILAND		
V7	SWEDEN		
V8	SWITZERLAND		
V9	SYRIAN ARAB REPUBLIC		
F5	TAIWAN		
2D	TAJIKISTAN		
W0	TANZANIA, UNITED REPUBLIC OF		
W1	THAILAND		
Z3	TIMOR-LESTE		
W2	TOGO		
W3	TOKELAU		
W4	TONGA		
W5	TRINIDAD AND TOBAGO		
W6	TUNISIA		
W8	TURKEY		
2E	TURKMENISTAN		
W7	TURKS AND CAICOS ISLANDS		
2G	TUVALU		
W9	UGANDA		
2H	UKRAINE		
C0	UNITED ARAB EMIRATES		
X0	UNITED KINGDOM		
1			

Code	State or Country Name
2J	UNITED STATES MINOR OUTLYING ISLANDS
Х3	URUGUAY
2K	UZBEKISTAN
2L	VANUATU
X5	VENEZUELA
Q1	VIET NAM
D8	VIRGIN ISLANDS, BRITISH
VI	VIRGIN ISLANDS, U.S.
X8	WALLIS AND FUTUNA
U5	WESTERN SAHARA
T7	YEMEN
Y4	ZAMBIA
Y5	ZIMBABWE
XX	UNKNOWN

#### APPENDIX B. MAPPING OF FORM 3 XML ELEMENTS TO PRINTED FORM

This table maps the XML elements that have a displayable value to their corresponding fields on a printed Form 3. Not all elements map to the printed form, but the schema definition as provided in Section 3.5 is repeated here for completeness.

****** ****	TT 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
XML Element Name	Header Area above Table I
schemaVersion	
periodOfReport	Date of Event Requiring Statement
dateOfOriginalSubmission	5. If Amendment, Date Original Filed
noSecuritiesOwned	Text in "Explanation of Responses" area
issuer	
issuerCik	
issuerName	Issuer Name and Trading Symbol
issuerTradingSymbol	3. Issuer Name and Trading Symbol
reportingOwner	
reportingOwnerId	
rptOwnerCik	
rptOwnerCcc	
rptOwnerName	
reportingOwnerAddress	
rptOwnerStreet1	Name and Address of Reporting Person
rptOwnerStreet2	Name and Address of Reporting Person
rptOwnerCity	Name and Address of Reporting Person
rptOwnerState	Name and Address of Reporting Person
rptOwnerZipCode	Name and Address of Reporting Person
rptOwnerStateDescription	
rptOwnerGoodAddress	
reportingOwnerRelationship	
isDirector	4. Relationship to Issuer
isOfficer	4. Relationship to Issuer
isTenPercentOwner	4. Relationship to Issuer
isOther	4. Relationship to Issuer
officerTitle	4. Relationship to Issuer
otherText	4. Relationship to Issuer

XML Element Name	Table I - Non-Derivative Securities Column	
nonDerivativeTable	Table I - Non-Derivative Securities	
nonDerivativeHolding		
securityTitle		
value	1. Title of Security	
footnoteld		
postTransactionAmounts		
sharesOwnedFollowingTransaction		
value	2. Amount of Securities Beneficially Owned	
footnoteld		
valueOwnedFollowingTransaction		
value	2. Amount of Securities Beneficially Owned	
footnoteld		
ownershipNature		
directOrIndirectOwnership		
value	3. Ownership Form: Direct or Indirect	
footnoteld		
natureOfOwnership		
value	4. Nature of Indirect Beneficial Ownership	
footnoteld		

XML Element Name	Table II - Derivative Securities Columns
derivativeTable	Table II - Derivative Securities
derivativeHolding	
securityTitle	
value	Title of Derivative Security
footnoteld	
conversionOrExercisePrice	
value	4. Conversion or Exercise Price
footnoteld	
exerciseDate	
value	Date Exercisable and Expiration Date
footnoteld	
expirationDate	
value	Date Exercisable and Expiration Date
footnoteld	
underlyingSecurity	
underlyingSecurityTitle	
value	Title and Amount of Underlying Securities
footnoteld	
underlyingSecurityShares	
value	Title and Amount of Underlying Securities
footnoteld	
underlyingSecurityValue	
value	Title and Amount of Underlying Securities
footnoteld	
ownershipNature	
directOrIndirectOwnership	
value	5. Ownership Form: Direct or Indirect
footnoteld	
natureOfOwnership	
value	Nature of Indirect Beneficial Ownership
footnoteld	

XML Element Name	Footer Area below Table II
footnotes	
footnote	Footer Area
remarks	Footer Area
ownerSignature	
signatureName	Footer Area
signatureDate	Footer Area

#### APPENDIX C. MAPPING OF FORM 4 XML ELEMENTS TO PRINTED FORM

This table maps the XML elements that have a displayable value to their corresponding fields on a printed Form 4. Not all elements map to the printed form, but the schema definition as provided in Section 3.5 is repeated here for completeness.

XML Element Name	Header Area above Table I
schemaVersion	
periodOfReport	3. Date of Earliest Transaction
dateOfOriginalSubmission	4. If Amendment, Date Original Filed
notSubjectToSection16	Checkbox in top-left corner
issuer	
issuerCik	O Leave New York Track Control
issuerName	2. Issuer Name and Trading Symbol
issuerTradingSymbol	Issuer Name and Trading Symbol
reportingOwner	
reportingOwnerId	
rptOwnerCik	
rptOwnerCcc	
rptOwnerName	
reportingOwnerAddress	
rptOwnerStreet1	1. Name and Address of Reporting Person
rptOwnerStreet2	Name and Address of Reporting Person
rptOwnerCity	Name and Address of Reporting Person
rptOwnerState	Name and Address of Reporting Person
rptOwnerZipCode	Name and Address of Reporting Person
rptOwnerStateDescription	
rptOwnerGoodAddress	
reportingOwnerRelationship	
isDirector	5. Relationship to Issuer
isOfficer	5. Relationship to Issuer
isTenPercentOwner	5. Relationship to Issuer
isOther	5. Relationship to Issuer
officerTitle	5. Relationship to Issuer
otherText	5. Relationship to Issuer

XML Element Name	Table I - Non-Derivative Securities Column
aff10b5One	Checkbox on top of Table I
nonDerivativeTable	Table I - Non-Derivative Securities
nonDerivativeTransaction	
securityTitle	
value	1. Title of Security
footnoteld	Í
transactionDate	
value	2. Transaction Date
footnoteld	
deemedExecutionDate	
value	2A. Deemed Execution Date
footnoteld	E. I. Doomod Excoduon Dato
transactionCoding	
transactionFormType	3. Transaction Code
transactionCode	3. Transaction Code
equitySwapInvolved	3. Transaction Code
footnoteld	J. Hallsaction Code
transactionTimeliness	
	2. Transaction Code
value	3. Transaction Code
footnoteld	
transactionAmounts	<u> </u>
transactionShares	4.0 - 10 - 4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
value	4. Securities Acquired (A) or Disposed of (D)
footnoteld	
transactionPricePerShare	1 2 11 1 11 11 11
value	4. Securities Acquired (A) or Disposed of (D)
footnoteld	
transactionAcquiredDisposedCode	
value	4. Securities Acquired (A) or Disposed of (D)
footnoteld	
postTransactionAmounts	
sharesOwnedFollowingTransaction	
value	5. Amount owned following Reported Trans
footnoteld	
valueOwnedFollowingTransaction	
value	5. Amount owned following Reported Trans
footnoteld	
ownershipNature	
directOrIndirectOwnership	
value	6. Ownership Form: Direct or Indirect
footnoteld	
natureOfOwnership	
value	7. Nature of Indirect Beneficial Ownership

XML Element Name	Table I - Non-Derivative Securities Column
footnoteld	

XML Element Name	Table I - Non-Derivative Securities Column
nonDerivativeHolding	
securityTitle	
value	1. Title of Security
footnoteId	
postTransactionAmounts	
sharesOwnedFollowingTransaction	
value	5. Amount owned following Reported Trans
footnoteld	
valueOwnedFollowingTransaction	
value	5. Amount owned following Reported Trans
footnoteld	
ownershipNature	
directOrIndirectOwnership	
value	6. Ownership Form: Direct or Indirect
footnoteld	
natureOfOwnership	
value	7. Nature of Indirect Beneficial Ownership
footnoteld	

XML Element Name	Table II - Derivative Securities Columns
derivativeTable	Table II - Derivative Securities
derivativeTransaction	
securityTitle	
value	1. Title of Security
footnoteld	
conversionOrExercisePrice	
value	Conversion or Exercise Price
footnoteld	
transactionDate	
value	3. Transaction Date
footnoteld	
deemedExecutionDate	
value	3A. Deemed Execution Date
footnoteld	
transactionCoding	
transactionFormType	4. Transaction Code
transactionCode	4. Transaction Code
equitySwapInvolved	4. Transaction Code
footnoteld	
transactionTimeliness	
value	4. Transaction Code
footnoteld	
transactionAmounts	

VMI Elman Name	Table H. Darington Co., 44 C. C.
XML Element Name	Table II - Derivative Securities Columns
transactionShares	5 O
value	5. Securities Acquired (A) or Disposed of (D)
footnoteld	
transactionTotalValue	
value	5. Securities Acquired (A) or Disposed of (D)
footnoteId	
transactionPricePerShare	
value	Price of Derivative Security
footnoteld	
transactionAcquiredDisposedCode	
value	5. Securities Acquired (A) or Disposed of (D)
exerciseDate	
value	6. Date Exercisable and Expiration Date
footnoteld	
expirationDate	
value	6. Date Exercisable and Expiration Date
footnoteld	
underlyingSecurity	
underlyingSecurityTitle	
value	7. Title and Amount of Underlying Securities
footnoteld	
underlyingSecurityShares	
value	7. Title and Amount of Underlying Securities
footnoteld	, , , , , , , , , , , , , , , , , , , ,
underlyingSecurityValue	
value	7. Title and Amount of Underlying Securities
footnoteld	
postTransactionAmounts	
sharesOwnedFollowingTransaction	
value	9. Securities owned following Reported Trans
footnoteld	5. Occurries owned following reported Trans
valueOwnedFollowingTransaction	
value	Securities owned following Reported Trans
footnoteld	o. Occurries owned following reported Halls
ownershipNature	
directOrIndirectOwnership	
•	10. Ownership Form: Direct or Indirect
value footnoteld	10. Ownership Form. Direct of maliect
natureOfOwnership	11 Noture of Indirect Denoficial Ownership
value	11. Nature of Indirect Beneficial Ownership
footnoteld	
derivativeHolding	
securityTitle	A Title of Decision Co. 15
value	Title of Derivative Security

XML Element Name	Table II - Derivative Securities Columns
footnoteld	
conversionOrExercisePrice	
value	2. Conversion or Exercise Price
footnoteld	
exerciseDate	
value	6. Date Exercisable and Expiration Date
footnoteld	
expirationDate	
value	6. Date Exercisable and Expiration Date
footnoteld	
underlyingSecurity	
underlyingSecurityTitle	
value	7. Title and Amount of Underlying Securities
footnoteld	
underlyingSecurityShares	
value	7. Title and Amount of Underlying Securities
footnoteld	
underlyingSecurityValue	
value	7. Title and Amount of Underlying Securities
footnoteld	
postTransactionAmounts	
sharesOwnedFollowingTransaction	
value	9. Securities owned following Reported Trans
footnoteld	
valueOwnedFollowingTransaction	
value	Securities owned following Reported Trans
footnoteld	
ownershipNature	
directOrIndirectOwnership	
value	10. Ownership Form: Direct or Indirect
footnoteld	
natureOfOwnership	
value	11. Nature of Indirect Beneficial Ownership
footnoteld	

XML Element Name	Footer Area below Table II
footnotes	
footnote	Footer Area
remarks	Footer Area
ownerSignature	
signatureName	Footer Area
signatureDate	Footer Area

#### APPENDIX D. MAPPING OF FORM 5 XML ELEMENTS TO PRINTED FORM

This table maps the XML elements that have a displayable value to their corresponding fields on a printed Form 5. Not all elements map to the printed form, but the schema definition as provided in Section 3.5 is repeated here for completeness.

XML Element Name	Header Area above Table I
schemaVersion	
periodOfReport	3. Statement for Issuer's Fiscal Year End
dateOfOriginalSubmission	4. If Amendment, Date Original Filed
notSubjectToSection16	Checkbox in top-left corner
form3HoldingsReported	Checkbox in top-left corner
form4TransactionsReported	Checkbox in top-left corner
issuer	
issuerCik	
issuerName	Issuer Name and Trading Symbol
issuerTradingSymbol	Issuer Name and Trading Symbol
reportingOwner	
reportingOwnerId	
rptOwnerCik	
rptOwnerCcc	
rptOwnerName	Name and Address of Reporting Person
reportingOwnerAddress	
rptOwnerStreet1	Name and Address of Reporting Person
rptOwnerStreet2	Name and Address of Reporting Person
rptOwnerCity	Name and Address of Reporting Person
rptOwnerState	Name and Address of Reporting Person
rptOwnerZipCode	Name and Address of Reporting Person
rptOwnerStateDescription	
rptOwnerGoodAddress	
reportingOwnerRelationship	
isDirector	5. Relationship to Issuer
isOfficer	5. Relationship to Issuer
isTenPercentOwner	5. Relationship to Issuer
isOther	5. Relationship to Issuer
officerTitle	5. Relationship to Issuer
otherText	5. Relationship to Issuer

XML Element Name	Table I - Non-Derivative Securities Column
aff10b5One	Checkbox on top of Table I
nonDerivativeTable	
nonDerivativeTransaction	
securityTitle	
value	1. Title of Security
footnoteld	
transactionDate	
value	2. Transaction Date
footnoteld	
deemedExecutionDate	
value	2A. Deemed Execution Date
footnoteld	
transactionCoding	
transactionFormType	3. Transaction Code
transactionCode	3. Transaction Code
equitySwapInvolved	3. Transaction Code
footnoteld	
transactionTimeliness	
value	3. Transaction Code
transactionAmounts	
transactionShares	
value	4. Securities Acquired (A) or Disposed of (D)
footnoteld	
transactionPricePerShare	
value	4. Securities Acquired (A) or Disposed of (D)
footnoteld	
transactionAcquiredDisposedCode	
value	4. Securities Acquired (A) or Disposed of (D)
footnoteld	
postTransactionAmounts	
sharesOwnedFollowingTransaction	
value	5. Securities owned at end of Fiscal Year
footnoteld	
valueOwnedFollowingTransaction	
value	5. Securities owned at end of Fiscal Year
footnoteld	
ownershipNature	
directOrIndirectOwnership	
value	6. Ownership Form: Direct or Indirect
footnoteld	
natureOfOwnership	
value	7. Nature of Indirect Beneficial Ownership
footnoteld	

XML Element Name	Table I - Non-Derivative Securities Column
nonDerivativeHolding	
securityTitle	

XML Element Name	Table I - Non-Derivative Securities Column
value	1. Title of Security
footnoteld	
transactionCoding	
transactionFormType	3. Transaction Code
footnoteld	
postTransactionAmounts	
sharesOwnedFollowingTransaction	
value	5. Securities owned at end of Fiscal Year
footnoteld	
valueOwnedFollowingTransaction	
value	5. Securities owned at end of Fiscal Year
footnoteld	
ownershipNature	
directOrIndirectOwnership	
value	6. Ownership Form: Direct or Indirect
footnoteld	
natureOfOwnership	
value	7. Nature of Indirect Beneficial Ownership
footnoteld	

XML Element Name	Table II - Derivative Securities Columns
derivativeTable	
derivativeTransaction	
securityTitle	
value	1. Title of Security
footnoteId	
conversionOrExercisePrice	
value	2. Conversion or Exercise Price
footnoteld	
transactionDate	
value	3. Transaction Date
footnoteId	
deemedExecutionDate	
value	3A. Deemed Execution Date
footnoteId	
transactionCoding	
transactionFormType	4. Transaction Code
transactionCode	4. Transaction Code

XML Element Name	Table II - Derivative Securities Columns
equitySwapInvolved	4. Transaction Code
footnoteld	
transactionTimeliness	
value	4. Transaction Code
transactionAmounts	
transactionShares	
value	5. Securities Acquired (A) or Disposed of (D)
footnoteld	
transactionTotalValue	
value	5. Securities Acquired (A) or Disposed of (D)
footnoteld	
transactionPricePerShare	
value	8. Price of Derivative Security
footnoteld	
transactionAcquiredDisposedCode	
value	5. Securities Acquired (A) or Disposed of (D)
exerciseDate	
value	6. Date Exercisable and Expiration Date
footnoteId	
expirationDate	
value	6. Date Exercisable and Expiration Date
footnoteld	
underlyingSecurity	
underlyingSecurityTitle	
value	7. Title and Amount of Underlying Securities
footnoteld	
underlyingSecurityShares	
value	7. Title and Amount of Underlying Securities
footnoteld	
underlyingSecurityValue	7 770
value	7. Title and Amount of Underlying Securities
footnoteld	
postTransactionAmounts	
sharesOwnedFollowingTransaction	O Coougition occurred at and of Figure 1 Value
value	Securities owned at end of Fiscal Year
footnoteld	
valueOwnedFollowingTransaction	O Cogurities award at and of Figure Vacu
value	Securities owned at end of Fiscal Year
footnoteld	
ownershipNature	
directOrIndirectOwnership	10. Ownership Form: Direct or Indirect
value	10. Ownership Form: Direct or Indirect
footnoteld	
natureOfOwnership	

XML Element Name	Table II - Derivative Securities Columns
value	11. Nature of Indirect Beneficial Ownership
footnoteld	
derivativeHolding	
securityTitle	
value	Title of Derivative Security
footnoteld	
conversionOrExercisePrice	
value	Conversion or Exercise Price
footnoteld	
transactionCoding	
transactionFormType	4. Transaction Code
footnoteld	
exerciseDate	
value	Date Exercisable and Expiration Date
footnoteld	
expirationDate	
value	Date Exercisable and Expiration Date
footnoteld	
underlyingSecurity	
underlyingSecurityTitle	
value	7. Title and Amount of Underlying Securities
footnoteld	
underlyingSecurityShares	
value	7. Title and Amount of Underlying Securities
footnoteld	
underlyingSecurityValue	
value	7. Title and Amount of Underlying Securities
footnoteld	

XML Element Name	Table II - Derivative Securities Columns
postTransactionAmounts	
sharesOwnedFollowingTransaction	
value	9. Securities owned at end of Fiscal Year
footnoteld	
valueOwnedFollowingTransaction	
value	9. Securities owned at end of Fiscal Year
footnoteld	
ownershipNature	
directOrIndirectOwnership	
value	10. Ownership Form: Direct or Indirect
footnoteld	
natureOfOwnership	
value	11. Nature of Indirect Beneficial Ownership
footnoteld	

XML Element Name	Footer Area below Table II
footnotes	
footnote	Footer Area
remarks	Footer Area
ownerSignature	
signatureName	Footer Area
signatureDate	Footer Area

## APPENDIX E. 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

#### APPENDIX F. EDGAR REDUCED CONTENT XML SCHEMA FILES

Please refer to the "EDGAR Reduced Content XML Schema Files.zip" download for the new XML schema and example files for the Ownership Forms 3, 4, and 5.

#### APPENDIX G. EDGAR REDUCED CONTENT XML STYLESHEETS

Please refer to the "EDGAR Reduced Content XML Stylesheets.zip" download for updated examples of the XML stylesheets for use with the Ownership Forms 3, 4, and 5.