



ELECTRONIC DATA GATHERING, ANALYSIS, AND RETRIEVAL

**EDGAR®**

**Public Dissemination  
Service (PDS) Technical  
Specification**

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## **Summary of Changes**

The following changes have been implemented:

- Updated the length of FILENAME data element from 32 to 40 characters in section 3.3.2.

## 1. PDS OVERVIEW

The United States Securities and Exchange Commission (SEC) has designed the Electronic Data Gathering, Analysis, and Retrieval (EDGAR) System to support the assembly, transmission, validation, acceptance, and dissemination of public documents as filed by public companies, management firms, and individuals pursuant to SEC securities regulations. Once received and accepted by EDGAR, public submissions are disseminated to all interested parties (subscribers) external to the SEC EDGAR network. The EDGAR Public Dissemination Service (PDS) receives a direct feed from the EDGAR Host and initiates the data -dissemination to Subscribers as soon as reasonably feasible. All PDS Subscribers are managed through this remote site.

This document describes the format for various files disseminated to the Subscribers. It also provides the definitions for each element in the file.

Attain, LLC is the primary contractor in support of the development of the SEC's PDS System. The original PDS was developed in 1992. Attain, LLC assumed full responsibility for support of PDS on July 1, 2014.

EDGAR accepts and disseminates approximately 2,000-4,000 live public submissions per day during non-peak periods and 4,000-15,000 live submissions per day during peak periods<sup>1</sup>. During these "high-activity" periods, EDGAR may receive up to 500-1500 MB of live, public data in one hour or up to 12 GB of data in a single business day. Disseminated submissions may be as small as 1 KB or as large as 400 MB, depending on their purpose, and contain only public documents<sup>2</sup>. The average submission size is approximately 800 KB. Submissions, which are composed of a header and concatenated documents, are disseminated in ASCII text (no binary is disseminated without being UUencoded first). Concatenated documents can have ASCII/SGML, HTML, XML, XBRL, or UUencoded PDF, JPG, or GIF formats. Rendered XBRL documents may also be concatenated, which may be of the following types: HTML, XML, CSS, JS, UUencoded PNG, UUencoded XLSX or UUencoded ZIP. ASCII/SGML documents are no wider than 80 characters per line, except in specifically designated sections of document text, identified as tables (<TABLE>), where a 132-character width limit is

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<sup>1</sup> There are several peak submission periods throughout the calendar year, including the following:

- Four 10-Q peaks (40-45 days after the 1<sup>st</sup> – 4<sup>th</sup> calendar quarter: May, August, November, and February, respectively, with each quarterly peak having an accelerated filing period 30-35 days after the quarter end).
- One 10-K/24F-2NT peak (from March 26-31, usually consisting of very large 10-K submissions, with an associated accelerated filing period from March 15-16).
- Two N-SAR peaks (February 25-28 and August 28-31).
- One SC 13G William's Act peak (February 10-14, usually the highest volume of submissions, but they are very small).
- Four Ownership peaks (Two business days following the end of each calendar quarter).
- One N-PX peak (at the end of August).

See the SEC Public Website, [www.sec.gov](http://www.sec.gov), for more information on peak submission periods.

<sup>2</sup> Private documents that are part of Filer submissions are not disseminated with the original submission (\*.dissem file). They are stored internally at the SEC for a period of time, and then upon SEC discretion, some are released as a separate dissemination file (\*.pr file).

supported. HTML, XML, and XBRL document text has no inherent width limits. UUencoded document text is 64 characters wide.

After receiving a submission via the internet or SSH, EDGAR assigns an Accession Number (ex: 000035001-05-00100) to the submission, then parses it to extract key information from the header and document. This information is then loaded into the EDGAR database and subsequently run through a rigorous series of syntactic and semantic validation rules before being accepted by EDGAR. After acceptance, the submission is then reassembled with informative header tags and the original public documents before being disseminated to the PDS and the SEC.gov site.

EDGAR transmits the dissemination stream to the PDS server, and PDS disseminates EDGAR files to the Subscribers.

## 2. SUBMISSION INTERFACE FILE FORMAT

There are four (4) types of public disseminations from EDGAR and one (1) daily audit file that are disseminated to the Subscribers by the PDS:

1. Live, accepted submissions and amendments, named *[ACCESSION-NUMBER].dissem*<sup>3</sup>
2. Live, accepted paper submissions and amendments, named *[ACCESSION-NUMBER].paper*
3. “Public-ready” disseminations, named *[ACCESSION-NUMBER]DDHHMMSS.pr*  
(DD: Date; HH: Hour; MM: Minute; SS: Second)
  - A. Disseminated Correspondence and Cover Letters (Filer Submitted)
  - B. Disseminated SEC-Uploads (Acc# always begins with 0000000000-\*)
4. Post-acceptance corrections (PACs), named *[ACCESSION-NUMBER]DDHHMMSS.pc* (DD: Date; HH: Hour; MM: Minute; SS: Second)
  - A. Disseminated submission deletions
  - B. Disseminated submission modifications
5. Daily Audit file, named *dissem2\_MM-DD-YYYY.EOD*  
(MM: Month; DD: Date; YYYY: Year)

An electronically transmitted<sup>4</sup> live, accepted submission or a live, accepted submission amendment (i.e., *0000350001-05-001234.dissem*) that is publicly disseminated consists of a 256-byte control block, a

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<sup>3</sup> [ACCESSION-NUMBER] has the following format: #####-YY-SSSSS, where ##### is the unique 10-digit Central Index Key (CIK) of the entity (the Filer or a filing agent – not necessarily related to the CIKs within the filing) that has submitted the filing and is composed of the digits 0-9, YY is the last two digits of the year the submission was filed, and SSSSS is the sequence number (up to 6 digits, left-padded by zeros) of the submission within the year it was filed.

<sup>4</sup> Electronically-transmitted by the Filer to EDGAR over the internet or Leased Line.

submission header, and a set of one (1) or more public document(s). There are 421 electronic form types supported by the SEC, each of which contains a mandatory primary document (i.e., a 10-Q submission must contain a 10-Q document) and various supplemental documents (e.g., an attached exhibit (EX-\*) document). See Section 3.0 EDGAR Public Submission Types for a complete listing of all active form types accepted by EDGAR. See Section 3.1 EDGAR Public Document Types for a complete listing of all active public document types that may accompany these form types. For a comprehensive update and definition of all active form types and document types, see the SEC website, <https://www.sec.gov/>, and go to the EDGAR information page (<https://www.sec.gov/info/edgar.shtml>).

Submissions received in paper are entered into EDGAR by the SEC. After acceptance, EDGAR will generate and disseminate an official abbreviated version of the paper submission (i.e., *0000350001-05-001234.paper*). These submissions will have a control-block and header that is similar to their electronic submission counterparts, but will not contain the actual documents received. Only one “stub” document will represent the actual documents attached. Paper submissions are disseminated (or made available) via another SEC service<sup>5</sup>. Subscribers will need to use the enclosed film-number (Document Control Number (DCN)) when contacting the SEC’s paper-dissemination service to properly reference all associated documents for that paper submission.

Public-Ready Dissemination files (i.e., *0000350001-05-00123406102010.pr* or *00000000000-05-00012306101515.pr*) represent actions taken by the SEC to disseminate specific private documents via the EDGAR public dissemination feed. The private documents, which may consist of Correspondence documents, Cover letters, and SEC Uploads, will consist of documents that are generated at the SEC and documents that were filed with the SEC. EDGAR will attach a public dissemination control block and header to each disseminated document in order to standardize the private-to-public dissemination effort for the Subscribers and the [www.sec.gov](https://www.sec.gov) website. Please see <https://www.sec.gov/news/press/2004-89.htm> for more information on this SEC initiative. \*.pr files are structured similarly to Post-Acceptance corrections but contain specific CIK and Accession-Number information for which this “private” information is associated.

Post-Acceptance Corrections (PAC) (i.e., *0000350001-01-00123501091243.pc*) are structured similarly to the live, accepted submissions described above, but only consist of header tag changes to previously-filed submissions, deletion notices for previously-filed submissions, or form/document type changes for previously-filed submissions. No document text is updated in a PAC.

The audit file (i.e., *dissem2\_04-10-2003.EOD*) is the last transmission from EDGAR for each day and its presence indicates the end of the EDGAR business day. It contains an ASCII listing of all disseminated submissions (\*.dissem, \*.pr, \*.paper & \*.pc submissions) since 6:00 a.m. that day. Each filename listed in the audit file is delimited by a Carriage-Return and Line Feed.

Live, accepted electronic submission filenames (\*.dissem) are 27 characters long, live, accepted paper submission filenames (\*.paper) are 26 characters long, while PAC and “Public-Ready filenames (\*.pc and

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<sup>5</sup> Subscribers will need to contact the SEC for more information about obtaining hard copies of accepted paper submissions.

*\*.pr, respectively*) are 31 characters long. Daily audit filenames (*dissem\*.EOD*) are 21 characters long. The Subscriber's server must be able to support 31-character filenames.

All EDGAR transmissions, except for the daily audit file, use a Standard Generalized Markup Language (SGML) tagging scheme to deliver company and submission information to the SEC and all Subscribers. See Section 4.3.1 for a complete listing and description of all active SGML tags used in EDGAR submissions. EDGAR disseminates submission information in the following format to all PDS Subscribers.

Publicly disseminated submissions (\*.dissem):

Section	Length
Control Block	266 Bytes
<SUBMISSION>... Submission SGML header information	Various lengths
<DOCUMENT> <TYPE> ..... Document #1 text </DOCUMENT> <DOCUMENT> <TYPE> ..... Document #2 text </DOCUMENT> ...Repeated for all documents attached to submission	Various lengths
</SUBMISSION>	13 chars + EOF

Table 1 - Publicly Disseminated Submissions

Publicly disseminated paper submissions (\*.paper):

Section	Length
Control Block	266 Bytes
<SUBMISSION>... Submission SGML header information	Various lengths
<DOCUMENT> <TYPE> ..... 1 Document stub (containing DCN only) </DOCUMENT>	Various lengths
</SUBMISSION>	13 chars + EOF

Table 2 - Publicly Disseminated Paper Submissions

Public-Ready Disseminations (\*.pr):

Section	Length
Control Block	266 Bytes
<SUBMISSION> <TIMESTAMP>... <PRIVATE-TO-PUBLIC>... ... Correction to SGML header info <FILED-FOR> <PUBLIC-REFERENCE-ACC> { Required only for UPLOAD}  <DOCUMENT> {Optional, used to transfer Document types}	Various lengths
</SUBMISSION>	13 chars + EOF

Table 3 - Public-Ready Disseminations





Acceptance Time	6	Time (EST) at which the submission was accepted by EDGAR. Format is HHMMSS.
Build Time	6	Time (EST) at which the submission was built on EDGAR. Format is HHMMSS.
Reserved	6	Blank-filled or a repeat of BuildTime (Unused)
Priority	1	The submission priority; format is binary. Values are: 3- Post-acceptance correction 4- Low 8- Medium 12- High 16- High priority company
Public/Private Flag	1	A flag indicating whether the submission is public or private; format is binary. Values are:  Public Private
Transaction Type	1	An indicator describing the transaction type; format is binary. Values are: Submission Retransmission Correction Deletion Submission Form Type Transfer Document Type Transfer
SRO Distribution List	4	[OBE, Unused]
Reserved	65	Unused, Blank-filled

Table 6 - Control Block Field Definitions

## 2.2 Submission Header Format

Each submission or PAC header consists of SGML tags and their values (if necessary). All EDGAR SGML header tags are identified and defined in Sections 4.2 EDGAR Header and Document SGML Tag Identification and 4.3 EDGAR Header and Document Tag Definitions.

## 2.3 Supported Document Formats

### 2.3.1 ASCII/SGML (\*.txt or \*.fil)

Each ASCII/SGML document consists of free-formatted text (i.e., 10-Q, 10-K, S-1, etc.), SGML-formatted text (i.e., EX-27 documents), or columnar formatted text (i.e., N-SAR documents). All document text is 80-characters wide except when between <TABLE> tags, where the width is set to 132 characters. All EDGAR SGML document tags are identified and defined in Sections 4.2 EDGAR Header and Document SGML Tag Identification and 4.3 EDGAR Header and Document Tag Definitions.

### 2.3.2 HTML or Inline XBRL (\*.htm)

See the EDGAR Filer Manual Volume II chapter entitled “Constructing Attached Documents and Document Types” for information regarding the preparation of submissions formatted in HTML and Inline XBRL. The EDGAR Filer Manual can be downloaded from the SEC’s Public Website at

<https://www.sec.gov/info/edgar.shtml>. An Inline XBRL document with suffix ".htm" can be distinguished from an HTML document because its header will have an XBRL Indicator (see "Table 9 - Document Header Tag Elements").

### **2.3.3 JPEG/GIF (\*.jpg or \*.gif)**

EDGAR supports the JPEG/GIF graphic file formats within HTML documents. Upon attachment to the submission, these documents are UUencoded. See the EDGAR Filer Manual Volume II for more information.

### **2.3.4 XML (\*.xml)**

An XML reporting format, based on an approved XML schema, is mandated by SEC/EDGAR for selected primary documents. With every XML-formatted document mandated by the SEC, there is a supporting set of schema files (\*.xsd) and, optionally, a set of style sheets (\*.xsl), that are available from Attain, LLC. XML Technical Specifications can be downloaded from the SEC's Public Website at <https://www.sec.gov/info/edgar.shtml>.

### **2.3.5 XBRL (\*.xml and \*.xsd)**

These filer-provided documents, with <TYPE> matching EX-101.\*, EX-99.K SDR.\*, EX-99.L SDR.\*, are marked by an <XBRL> indicator tag (Table 9 - Document Header Tag Elements).

### **2.3.6 PDF (\*.pdf)**

EDGAR supports filings with attached unofficial Portable Document Format (pdf) documents. See the EDGAR Filer Manual Volume II chapter entitled "Constructing Attached Documents and Document Types" for information regarding the preparation of submissions with attached unofficial PDF documents. The EDGAR Filer Manual can be downloaded from the SEC's Public Website at <https://www.sec.gov/info/edgar.shtml>.

### **2.3.7 PROCESSED XBRL (\*.xml,\*.htm,\*.xlsx,\*.css,\*.js,\*.json,\*.png,\*.zip)**

EDGAR processes all valid XBRL documents provided by filers, and includes various output documents in the dissemination file. The eight document types listed are all possible outputs of the XBRL processing. The rendered documents are used to display the filer provided XBRL attachments in interactive views. All processed XBRL documents have a "<DESCRIPTION>IDEA: XBRL DOCUMENT" tag. The table below shows the various types of rendered documents that may be included in the dissemination file, along with when they are applicable and their <TYPE> tag value in the dissemination file.

<b>File Names</b>	<b>Included in a .dissem File with XBRL documents</b>	<b>&lt;TYPE&gt;</b>
FilingSummary.xml	Always	XML
R1.htm,R2.htm,...,R9999.htm	Always	XML
Report.css	Always	XML
Show.js	Always	XML
Financial_Report.xlsx	Always, except for 485BPOS and 497 submissions	EXCEL
BarChart1.png, BarChart2.png, BarChart3.png, etc ...	Only for 485BPOS and 497 submissions	GRAPHIC
{accession_number}-xbrl.zip	Always	ZIP
MetaLinks.json	Only when there is an Inline XBRL .htm document.	XML
{...}_htm.xml	Only when there is an Inline XBRL .htm document	XML

Note: {accession\_number}-xbrl.zip contains all filer-submitted XBRL, all Inline XBRL formatted documents, and all .jpg and .gif files referenced from XBRL text blocks, footnotes, and Inline XBRL elements. It does not contain any processing outputs.

Note: When the primary document with name xyz.htm or any attached exhibit is an Inline XBRL file, then: (a) there are no input attachments named "EX-\*.INS", and a file xyz\_htm.xml is part of the processing output.

Note: \*.pdf, \*.gif, \*.jpg, \*.png,\*.xlsx and \*.zip files are uuencoded.

Here is an example of what a rendered XBRL document may look in the .dissem file:

```

<DOCUMENT>
<TYPE>XML
<SEQUENCE>12
<FILENAME>R2.htm
<DESCRIPTION>IDEA: XBRL DOCUMENT
<TEXT>

...content of the R2.htm file goes here

</TEXT>
</DOCUMENT>

```

### 3. EDGAR PUBLIC SUBMISSION TYPES

All live, accepted public submissions (electronic and paper) are disseminated to Subscribers through PDS. For a complete definition of these form types, see the SEC website, <https://www.sec.gov/info/edgar/forms/edgform.pdf>

#### 3.1 EDGAR Public Document Types

All live, accepted public documents are disseminated as part of a total submission and are disseminated to Subscribers through PDS. The following is a list of all active public documents that are accepted and disseminated by the EDGAR system.

A. Official Document Types Supported by EDGAR are \*.txt or \*.htm attachments to a submission:

[For electronic submissions (\*.dissem), primary documents are the same type as the submission type.].

[For paper submissions (\*.paper), the single document type supported will be the same as their respective paper submission type. These documents are only stub representations of the actual documents that were submitted to the SEC in paper format. The actual paper documents must be retrieved from an SEC paper dissemination service].

The following exhibit document types are considered supplemental/optional to the submission. These document types can include an optional suffix consisting of a "." and free text up to a total document type length of 20 characters:

EX-1 EX-2 EX-3 EX-4 EX-5 EX-6 EX-7 EX-8 EX-9 EX-10 EX-11 EX-12 EX-13 EX-14 EX-15  
EX-16 EX-17 EX-18 EX-19 EX-20 EX-21 EX-22 EX-23 EX-24 EX-25 EX-25/AEX-26 EX-28  
EX-29 EX-31 EX-32 EX-33 EX-34 EX-35 EX-36 EX-95 EX-99 EX-101 EX-102 EX-103 EX-  
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B. Official GRAPHIC Document Types Supported as \*.jpg or \*.gif attachments to a submission:

GRAPHIC [May only be attached if there is a reference to the GRAPHIC document from within an HTML document].

C. Official Private Document Types such as COVER, CORRESP etc may be disseminated in a \*.pr file upon SEC approval.

D. Unofficial Public Document Types Disseminated in a \*.dissem file:

[All \*.pdf attachments, which may be unofficial versions of any document type referenced in section 1 above].

## 3.2 EDGAR Header and Document SGML Tag Identification

The following is a list of all SGML tags used within EDGAR submission headers and ASCII/SGML documents. For a complete definition of these tags, see Section 4.3 EDGAR Header and Document Tag Definitions.

### 3.2.1 Symbology

Symbol	Definition
Blank	Required
?	Optional
+	Tag and element are required and repeatable.
*.	Tag and element are optional and repeatable.
1	Each of these fields/tags, which include FILER, FILED-BY, SUBJECT-COMPANY, REPORTING-OWNER, ISSUER, SERIAL-COMPANY, FILED-FOR, and SERIES-AND-CLASSES-CONTRACTS-DATA elements may be exclusive with respect to one or more of the others depending on the submission type.
2	Selection and placement of tag and tag value is at the discretion of author of filing text.

Table 7 - Symbology

### 3.2.2 Submission Header Tag Elements

Symbol	Field	SGML Tag
?	CORRECTION	<SUBMISSION> <CORRECTION>
?	TIME STAMP	<TIMESTAMP>
?	PAPER	<PAPER>
?	PRIVATE-TO-PUBLIC	<PRIVATE-TO-PUBLIC>
	ACCESSION NUMBER	<ACCESSION-NUMBER>
?	DELETION	<DELETION>
	CONFORMED SUBMISSION TYPE	<TYPE>
?	CATEGORY	<CATEGORY>

?	CONFIRMING COPY	<CONFIRMING COPY>
	PUBLIC DOCUMENT COUNT	<PUBLIC-DOCUMENT-COUNT>
	CALENDAR-YEAR-ENDING	<CALENDAR-YEAR-ENDING>
?	REFERENCE 462B	<REFERENCE-462B>
*	REFERENCES 429	<REFERENCES-429>
?	PERIOD OF REPORT	<PERIOD>
?	DEPOSITOR CIK	<DEPOSITOR-CIK>
?	SPONSOR CIK	<SPONSOR-CIK>
*	ITEM INFORMATION	<ITEMS>
?	MA-I INDIVIDUAL	<MA-I_INDIVIDUAL>
	FILED AS OF DATE	<FILING-DATE>
?	DATE AS OF CHANGE	<DATE-OF-FILING-DATE-CHANGE>
?	ACTION DATE	<ACTION-DATE>
?	RECEIVED DATE	<RECEIVED-DATE>
?	EFFECTIVENESS DATE	<EFFECTIVENESS-DATE>
?	RESOURCE-EXT-ISSUER	<RESOURCE-EXT-ISSUER>
*	GROUP MEMBERS	<GROUP-MEMBERS>
?	ABS RULE	<ABS-RULE>
?	PERIOD START	<PERIOD-START>
?	NO INITIAL PERIOD ACTIVITY	<NO-INITIAL-PERIOD-ACTIVITY>
?	NO ANNUAL ACTIVITY	<NO-ANNUAL-ACTIVITY>
?	NO QUARTERLY ACTIVITY	<NO-QUARTERLY-ACTIVITY>
?	REGISTERED ENTITY	<REGISTERED-ENTITY>
?	ABS ASSET CLASS	<ABS-ASSET-CLASS>

?	ISSUING ENTITY NAME	<ISSUING-ENTITY-NAME>
1+	FILER	<FILER>
?	DELETION	<DELETION>
	COMPANY DATA	<COMPANY-DATA>
	COMPANY CONFORMED NAME	<CONFORMED-NAME>
	CIK	<CIK>
	SIC	<ASSIGNED-SIC>
	ORGANIZATION NAME	<ORGANIZATION-NAME>
	RELATIONSHIP	<RELATIONSHIP>
?	IRS NUMBER	<IRS-NUMBER>
?	STATE OF INCORPORATION	<STATE-OF-INCORPORATION>
?	FISCAL YEAR END	<FISCAL-YEAR-END>
	END COMPANY DATA	</COMPANY-DATA>
	FILING VALUES	<FILING-VALUES>
?	DELETION	<DELETION>
	FORM TYPE	<FORM-TYPE>
	SEC ACT	<ACT>
	SEC FILE NUMBER	<FILE-NUMBER>
	FILM NUMBER	<FILM-NUMBER>
	END FILING VALUES	</FILING-VALUES>
?	BUSINESS ADDRESS	<BUSINESS-ADDRESS>
?	STREET1	<STREET1>
?	STREET2	<STREET2>
?	CITY	<CITY>



?	STATE	<STATE>
?	ZIP	<ZIP>
?	PHONE	<PHONE>
?	END BUSINESS ADDRESS	</BUSINESS-ADDRESS>
?	MAIL ADDRESS	<MAIL-ADDRESS>
?	STREET1	<STREET1>
?	STREET2	<STREET2>
?	CITY	<CITY>
?	STATE	<STATE>
?	ZIP	<ZIP>
?	END MAIL ADDRESS	</MAIL-ADDRESS>
*	FORMER COMPANY	<FORMER-COMPANY>
	FORMER CONFORMED NAME	<FORMER-CONFORMED-NAME>
	DATE OF NAME CHANGE	<DATE-CHANGED>
	END FORMER COMPANY	</FORMER-COMPANY>
	END FILER	</FILER>
1	DEPOSITOR	<DEPOSITOR>
	COMPANY DATA	<COMPANY-DATA>
	COMPANY CONFORMED NAME	<CONFORMED-NAME>
	CIK	<CIK>
	SIC	<ASSIGNED-SIC>
	ORGANIZATION NAME	<ORGANIZATION_NAME>
?	IRS NUMBER	<IRS-NUMBER>

?	STATE OF INCORPORATION	<STATE-OF-INCORPORATION>
?	FISCAL YEAR END	<FISCAL-YEAR-END>
	END COMPANY DATA	</COMPANY-DATA>
	FILING VALUES	<FILING-VALUES>
	FORM TYPE	<FORM-TYPE>
	SEC ACT	<ACT>
?	FILE NUMBER	<FILE-NUMBER>
	END FILING VALUES	</FILING-VALUES>
?	BUSINESS ADDRESS	<BUSINESS-ADDRESS>
?	STREET1	<STREET1>
?	STREET2	<STREET2>
?	CITY	<CITY>
?	STATE	<STATE>
?	ZIP	<ZIP>
?	PHONE	<PHONE>
?	END BUSINESS ADDRESS	</BUSINESS-ADDRESS>
?	MAIL ADDRESS	<MAIL-ADDRESS>
?	STREET1	<STREET1>
?	STREET2	<STREET2>
?	CITY	<CITY>
?	STATE	<STATE>
?	ZIP	<ZIP>

?	END MAIL ADDRESS	</MAIL-ADDRESS>
*	FORMER COMPANY	<FORMER-COMPANY>
	FORMER CONFORMED NAME	<FORMER-CONFORMED-NAME>
	DATE OF NAME CHANGE	<DATE-CHANGED>
	END FORMER COMPANY	</FORMER-COMPANY>
	END DEPOSITOR	</DEPOSITOR>
1	SECURITIZER	< SECURITIZER>
	COMPANY DATA	<COMPANY-DATA>
	COMPANY CONFORMED NAME	<CONFORMED-NAME>
	CIK	<CIK>
	SIC	<ASSIGNED-SIC>
	ORGANIZATION NAME	<ORGANIZATION_NAME>
?	IRS NUMBER	<IRS-NUMBER>
?	STATE OF INCORPORATION	<STATE-OF-INCORPORATION>
?	FISCAL YEAR END	<FISCAL-YEAR-END>
	END COMPANY DATA	</COMPANY-DATA>
	FILING VALUES	<FILING-VALUES>
	FORM TYPE	<FORM-TYPE>
	SEC ACT	<ACT>
?	FILE NUMBER	<FILE-NUMBER>
	END FILING VALUES	</FILING-VALUES>
?	BUSINESS ADDRESS	<BUSINESS-ADDRESS>

?	STREET1	<STREET1>
?	STREET2	<STREET2>
?	CITY	<CITY>
?	STATE	<STATE>
?	ZIP	<ZIP>
?	PHONE	<PHONE>
?	END BUSINESS ADDRESS	</BUSINESS-ADDRESS>
?	MAIL ADDRESS	<MAIL-ADDRESS>
?	STREET1	<STREET1>
?	STREET2	<STREET2>
?	CITY	<CITY>
?	STATE	<STATE>
?	ZIP	<ZIP>
?	END MAIL ADDRESS	</MAIL-ADDRESS>
*	FORMER COMPANY	<FORMER-COMPANY>
	FORMER CONFORMED NAME	<FORMER-CONFORMED-NAME>
	DATE OF NAME CHANGE	<DATE-CHANGED>
	END FORMER COMPANY	</FORMER-COMPANY>
	END SECURITIZER	</ SECURITIZER>
1	ISSUING ENTITY	<ISSUING_ENTITY>
	COMPANY DATA	<COMPANY-DATA>
	COMPANY CONFORMED NAME	<CONFORMED-NAME>

	CIK	<CIK>
	SIC	<ASSIGNED-SIC>
	ORGANIZATION NAME	<ORGANIZATION_NAME>
?	IRS NUMBER	<IRS-NUMBER>
?	STATE OF INCORPORATION	<STATE-OF-INCORPORATION>
?	FISCAL YEAR END	<FISCAL-YEAR-END>
	END COMPANY DATA	</COMPANY-DATA>
	FILING VALUES	<FILING-VALUES>
	FORM TYPE	<FORM-TYPE>
	SEC ACT	<ACT>
?	FILE NUMBER	<FILE-NUMBER>
	END FILING VALUES	</FILING-VALUES>
?	BUSINESS ADDRESS	<BUSINESS-ADDRESS>
?	STREET1	<STREET1>
?	STREET2	<STREET2>
?	CITY	<CITY>
?	STATE	<STATE>
?	ZIP	<ZIP>
?	PHONE	<PHONE>
?	END BUSINESS ADDRESS	</BUSINESS-ADDRESS>
?	MAIL ADDRESS	<MAIL-ADDRESS>
?	STREET1	<STREET1>

?	STREET2	<STREET2>
?	CITY	<CITY>
?	STATE	<STATE>
?	ZIP	<ZIP>
?	END MAIL ADDRESS	</MAIL-ADDRESS>
*	FORMER COMPANY	<FORMER-COMPANY>
	FORMER CONFORMED NAME	<FORMER-CONFORMED-NAME>
	DATE OF NAME CHANGE	<DATE-CHANGED>
	END FORMER COMPANY	</FORMER-COMPANY>
	END ISSUING ENTITY	</ISSUING_ENTITY >
1	UNDERWRITER	<UNDERWRITER>
	COMPANY DATA	<COMPANY-DATA>
	COMPANY CONFORMED NAME	<CONFORMED-NAME>
	CIK	<CIK>
	SIC	<ASSIGNED-SIC>
	ORGANIZATION NAME	<ORGANIZATION_NAME>
?	IRS NUMBER	<IRS-NUMBER>
?	STATE OF INCORPORATION	<STATE-OF-INCORPORATION>
?	FISCAL YEAR END	<FISCAL-YEAR-END>
	END COMPANY DATA	</COMPANY-DATA>
	FILING VALUES	<FILING-VALUES>
	FORM TYPE	<FORM-TYPE>

	SEC ACT	<ACT>
	END FILING VALUES	</FILING-VALUES>
?	BUSINESS ADDRESS	<BUSINESS-ADDRESS>
?	STREET1	<STREET1>
?	STREET2	<STREET2>
?	CITY	<CITY>
?	STATE	<STATE>
?	ZIP	<ZIP>
?	PHONE	<PHONE>
?	END BUSINESS ADDRESS	</BUSINESS-ADDRESS>
?	MAIL ADDRESS	<MAIL-ADDRESS>
?	STREET1	<STREET1>
?	STREET2	<STREET2>
?	CITY	<CITY>
?	STATE	<STATE>
?	ZIP	<ZIP>
?	END MAIL ADDRESS	</MAIL-ADDRESS>
*	FORMER COMPANY	<FORMER-COMPANY>
	FORMER CONFORMED NAME	<FORMER-CONFORMED-NAME>
	DATE OF NAME CHANGE	<DATE-CHANGED>
	END FORMER COMPANY	</FORMER-COMPANY>
	END UNDERWRITER	</UNDERWRITER>

1	FILED BY	<FILED-BY>
?	DELETION	<DELETION>
	COMPANY DATA	<COMPANY-DATA>
	COMPANY CONFORMED NAME	<CONFORMED-NAME>
	CIK	<CIK>
	SIC	<SIC>
?	IRS NUMBER	<IRS-NUMBER>
?	STATE OF INCORPORATION	<STATE-OF-INCORPORATION>
?	FISCAL YEAR END	<FISCAL-YEAR-END>
	END COMPANY DATA	</COMPANY-DATA>
	FILING VALUES	<FILING-VALUES>
?	DELETION	<DELETION>
	FORM TYPE	<FORM-TYPE>
	END FILING VALUES	</FILING-VALUES>
?	BUSINESS ADDRESS	<BUSINESS-ADDRESS>
?	STREET1	<STREET1>
?	STREET2	<STREET2>
?	CITY	<CITY>
?	STATE	<STATE>
?	ZIP	<ZIP>
?	PHONE	<PHONE>
?	END BUSINESS ADDRESS	</BUSINESS-ADDRESS>
?	MAIL ADDRESS	<MAIL-ADDRESS>
?	STREET1	<STREET1>



?	STREET2	<STREET2>
?	CITY	<CITY>
?	STATE	<STATE>
?	ZIP	<ZIP>
?	END MAIL ADDRESS	</MAIL-ADDRESS>
*	FORMER COMPANY	<FORMER-COMPANY>
	FORMER CONFORMED NAME	<FORMER-CONFORMED-NAME>
	DATE OF NAME CHANGE	<DATE-CHANGED>
	END FORMER COMPANY	</FORMER-COMPANY>
	END FILED BY	</FILED-BY>
1*	SERIAL COMPANY	<SERIAL-COMPANY>
?	DELETION	<DELETION>
	COMPANY DATA	<COMPANY-DATA>
	COMPANY CONFORMED NAME	<CONFORMED-NAME>
	CIK	<CIK>
	SIC	<ASSIGNED-SIC>
	ORGANIZATION NAME	<ORGANIZATION_NAME>
?	IRS NUMBER	<IRS-NUMBER>
?	STATE OF INCORPORATION	<STATE-OF-INCORPORATION>
?	FISCAL YEAR END	<FISCAL-YEAR-END>
	END COMPANY DATA	</COMPANY-DATA>
	FILING VALUES	<FILING-VALUES>
?	DELETION	<DELETION>
	FORM TYPE	<FORM-TYPE>

	SEC ACT	<ACT>
	SEC FILE NUMBER	<FILE-NUMBER>
	FILM NUMBER	<FILM-NUMBER>
	END FILING VALUES	</FILING-VALUES>
?	BUSINESS ADDRESS	<BUSINESS-ADDRESS>
?	STREET1	<STREET1>
?	STREET2	<STREET2>
?	CITY	<CITY>
?	STATE	<STATE>
?	ZIP	<ZIP>
?	PHONE	<PHONE>
?	END BUSINESS ADDRESS	</BUSINESS-ADDRESS>
?	MAIL ADDRESS	<MAIL-ADDRESS>
?	STREET1	<STREET1>
?	STREET2	<STREET2>
?	CITY	<CITY>
?	STATE	<STATE>
?	ZIP	<ZIP>
?	END MAIL ADDRESS	</MAIL-ADDRESS>
*	FORMER COMPANY	<FORMER-COMPANY>
	FORMER CONFORMED NAME	<FORMER-CONFORMED-NAME>
	DATE OF NAME CHANGE	<DATE-CHANGED>
	END FORMER COMPANY	</FORMER-COMPANY>
	END SERIAL COMPANY	</SERIAL-COMPANY>

1*	SUBJECT COMPANY	<SUBJECT-COMPANY>
?	DELETION	<DELETION>
	COMPANY DATA	<COMPANY-DATA>
	COMPANY CONFORMED NAME	<CONFORMED-NAME>
	CIK	<CIK>
	SIC	<ASSIGNED-SIC>
	ORGANIZATION NAME	<ORGANIZATION_NAME>
?	IRS NUMBER	<IRS-NUMBER>
?	STATE OF INCORPORATION	<STATE-OF-INCORPORATION>
?	FISCAL YEAR END	<FISCAL-YEAR-END>
	END COMPANY DATA	</COMPANY-DATA>
	FILING VALUES	<FILING-VALUES>
?	DELETION	<DELETION>
	FORM TYPE	<FORM-TYPE>
	SEC ACT	<ACT>
	SEC FILE NUMBER	<FILE-NUMBER>
	FILM NUMBER	<FILM-NUMBER>
	END FILING VALUES	</FILING-VALUES>
?	BUSINESS ADDRESS	<BUSINESS-ADDRESS>
?	STREET1	<STREET1>
?	STREET2	<STREET2>
?	CITY	<CITY>
?	STATE	<STATE>
?	ZIP	<ZIP>

?	PHONE	<PHONE>
?	END BUSINESS ADDRESS	</BUSINESS-ADDRESS>
?	MAIL ADDRESS	<MAIL-ADDRESS>
?	STREET1	<STREET1>
?	STREET2	<STREET2>
?	CITY	<CITY>
?	STATE	<STATE>
?	ZIP	<ZIP>
?	END MAIL ADDRESS	</MAIL-ADDRESS>
*	FORMER COMPANY	<FORMER-COMPANY>
	FORMER CONFORMED NAME	<FORMER-CONFORMED-NAME>
	DATE OF NAME CHANGE	<DATE-CHANGED>
	END FORMER COMPANY	</FORMER-COMPANY>
	END SUBJECT COMPANY	</SUBJECT-COMPANY>
1*	REPORTING OWNER	<REPORTING-OWNER>
?	DELETION	<DELETION>
	OWNER DATA	<OWNER-DATA>
	CONFORMED NAME	<CONFORMED-NAME>
	CIK	<CIK>
?	SIC	<ASSIGNED-SIC>
	ORGANIZATION NAME	<ORGANIZATION_NAME>
?	STATE OF INCORPORATION	<STATE-OF-INCORPORATION>
?	FISCAL YEAR END	<FISCAL-YEAR-END>
	END OWNER DATA	</OWNER-DATA>

	FILING VALUES	<FILING-VALUES>
?	DELETION	<DELETION>
	FORM TYPE	<FORM-TYPE>
	SEC ACT	<ACT>
	SEC FILE NUMBER	<FILE-NUMBER>
	FILM NUMBER	<FILM-NUMBER>
	END FILING VALUES	</FILING-VALUES>
?	BUSINESS ADDRESS	<BUSINESS-ADDRESS>
?	STREET1	<STREET1>
?	STREET2	<STREET2>
?	CITY	<CITY>
?	STATE	<STATE>
?	ZIP	<ZIP>
?	PHONE	<PHONE>
?	END BUSINESS ADDRESS	</BUSINESS-ADDRESS>
?	MAIL ADDRESS	<MAIL-ADDRESS>
?	STREET1	<STREET1>
?	STREET2	<STREET2>
?	CITY	<CITY>
?	STATE	<STATE>
?	ZIP	<ZIP>
?	END MAIL ADDRESS	</MAIL-ADDRESS>
*	FORMER NAME	<FORMER-NAME>
	FORMER CONFORMED NAME	<FORMER-CONFORMED-NAME>

	DATE OF NAME CHANGE	<DATE-CHANGED>
	END FORMER NAME	</FORMER-NAME>
	END REPORTING-OWNER	</REPORTING-OWNER>
1	ISSUER	<ISSUER>
?	DELETION	<DELETION>
	COMPANY DATA	<COMPANY-DATA>
	COMPANY CONFORMED NAME	<CONFORMED-NAME>
	CIK	<CIK>
	SIC	<ASSIGNED-SIC>
	ORGANIZATION NAME	<ORGANIZATION_NAME>
?	IRS NUMBER	<IRS-NUMBER>
?	STATE OF INCORPORATION	<STATE-OF-INCORPORATION>
?	FISCAL YEAR END	<FISCAL-YEAR-END>
	END COMPANY DATA	</COMPANY-DATA>
?	BUSINESS ADDRESS	<BUSINESS-ADDRESS>
?	STREET1	<STREET1>
?	STREET2	<STREET2>
?	CITY	<CITY>
?	STATE	<STATE>
?	ZIP	<ZIP>
?	PHONE	<PHONE>
?	END BUSINESS ADDRESS	</BUSINESS-ADDRESS>
?	MAIL ADDRESS	<MAIL-ADDRESS>
?	STREET1	<STREET1>

?	STREET2	<STREET2>
?	CITY	<CITY>
?	STATE	<STATE>
?	ZIP	<ZIP>
?	END MAIL ADDRESS	</MAIL-ADDRESS>
*	FORMER COMPANY	<FORMER-COMPANY>
	FORMER CONFORMED NAME	<FORMER-CONFORMED-NAME>
	DATE OF NAME CHANGE	<DATE-CHANGED>
	END FORMER COMPANY	</FORMER-COMPANY>
	END ISSUER	</ISSUER>
1*	FILED-FOR (SEC-UPLOADS)	<FILED-FOR>
	COMPANY DATA	<COMPANY-DATA>
	COMPANY CONFORMED NAME	<CONFORMED-NAME>
	CIK	<CIK>
	SIC	<ASSIGNED-SIC>
	ORGANIZATION NAME	<ORGANIZATION_NAME>
?	IRS NUMBER	<IRS-NUMBER>
?	STATE OF INCORPORATION	<STATE-OF-INCORPORATION>
?	FISCAL YEAR END	<FISCAL-YEAR-END>
	END COMPANY DATA	</COMPANY-DATA>
	FILING VALUES	<FILING-VALUES>
?	DELETION	<DELETION>
	FORM TYPE	<FORM-TYPE>
	SEC ACT	<ACT>

	SEC FILE NUMBER	<FILE-NUMBER>
	FILM NUMBER	<FILM-NUMBER>
	END FILING VALUES	</FILING-VALUES>
?	BUSINESS ADDRESS	<BUSINESS-ADDRESS>
?	STREET1	<STREET1>
?	STREET2	<STREET2>
?	CITY	<CITY>
?	STATE	<STATE>
?	ZIP	<ZIP>
?	PHONE	<PHONE>
?	END BUSINESS ADDRESS	</BUSINESS-ADDRESS>
?	MAIL ADDRESS	<MAIL-ADDRESS>
?	STREET1	<STREET1>
?	STREET2	<STREET2>
?	CITY	<CITY>
?	STATE	<STATE>
?	ZIP	<ZIP>
?	END MAIL ADDRESS	</MAIL-ADDRESS>
*	FORMER COMPANY	<FORMER-COMPANY>
	FORMER CONFORMED NAME	<FORMER-CONFORMED-NAME>
	DATE OF NAME CHANGE	<DATE-CHANGED>
	END FORMER COMPANY	</FORMER-COMPANY>
	END FILED-FOR	</FILED-FOR>
?	PUBLIC-REFERENCE-ACC#	<PUBLIC-REFERENCE-ACC>



1	SERIES AND CLASSES CONTRACTS DATA	<SERIES-AND-CLASSES-CONTRACTS-DATA>
?	NEW SERIES AND CLASSES CONTRACTS	<NEW-SERIES-AND-CLASSES-CONTRACTS>
	OWNER CIK	<OWNER-CIK>
*	NEW SERIES	<NEW-SERIES>
	SERIES ID	<SERIES-ID>
*	CLASS CONTRACT	<CLASS-CONTRACT>
	CLASS CONTRACT ID	<CLASS-CONTRACT-ID>
	CLASS CONTRACT NAME	<CLASS-CONTRACT-NAME>
	END CLASS CONTRACT	</CLASS-CONTRACT>
	END NEW SERIES	</NEW-SERIES>
*	NEW CLASSES CONTRACTS	<NEW-CLASSES-CONTRACTS>
	SERIES ID	<SERIES-ID>
	SERIES NAME	<SERIES-NAME>
*	CLASS CONTRACT	<CLASS-CONTRACT>
	CLASS CONTRACT ID	<CLASS-CONTRACT-ID>
	CLASS CONTRACT NAME	<CLASS-CONTRACT-NAME>
	END CLASS CONTRACT	</CLASS-CONTRACT>
	END NEW CLASSES CONTRACTS	</NEW-CLASSES-CONTRACTS>
	END NEW SERIES AND CLASSES CONTRACTS	</NEW-SERIES-AND-CLASSES-CONTRACTS>
?	EXISTING SERIES AND CLASSES CONTRACTS	<EXISTING-SERIES-AND-CLASSES-CONTRACTS>
+	SERIES	<SERIES>
	OWNER CIK	<OWNER-CIK>

	SERIES ID	<SERIES-ID>
	SERIES NAME	<SERIES-NAME>
+	CLASS CONTRACT	<CLASS-CONTRACT>
	CLASS CONTRACT ID	<CLASS-CONTRACT-ID>
	CLASS CONTRACT NAME	<CLASS-CONTRACT-NAME>
?	CLASS CONTRACT TICKER SYMBOL	<CLASS-CONTRACT-TICKER-SYMBOL>
	END CLASS CONTRACT	</CLASS-CONTRACT>
	END SERIES	</SERIES>
	END EXISTING SERIES AND CLASSES CONTRACTS	</EXISTING-SERIES-AND-CLASSES-CONTRACTS>
?	MERGER SERIES AND CLASSES CONTRACTS	<MERGER-SERIES-AND-CLASSES-CONTRACTS>
+	MERGER	<MERGER>
	ACQUIRING DATA	<ACQUIRING-DATA>
	CIK	<CIK>
	SERIES	<SERIES>
	SERIES ID	<SERIES-ID>
	SERIES NAME	<SERIES-NAME>
	CLASS CONTRACT	<CLASS-CONTRACT>
	CLASS CONTRACT ID	<CLASS-CONTRACT-ID>
	CLASS CONTRACT NAME	<CLASS-CONTRACT-NAME>
?	CLASS CONTRACT TICKER SYMBOL	<CLASS-CONTRACT-TICKER-SYMBOL>
	END CLASS CONTRACT	</CLASS-CONTRACT>
	END SERIES	</SERIES>
	END ACQUIRING DATA	</ACQUIRING-DATA>

+	TARGET DATA	<TARGET-DATA>
	CIK	<CIK>
+	SERIES	<SERIES>
	SERIES ID	<SERIES-ID>
	SERIES NAME	<SERIES-NAME>
+	CLASS CONTRACT	<CLASS-CONTRACT>
	CLASS CONTRACT ID	<CLASS-CONTRACT-ID>
	CLASS CONTRACT NAME	<CLASS-CONTRACT-NAME>
?	CLASS CONTRACT TICKER SYMBOL	<CLASS-CONTRACT-TICKER-SYMBOL>
	END CLASS CONTRACT	</CLASS-CONTRACT>
	END SERIES	</SERIES>
	END TARGET DATA	</TARGET-DATA>
	END MERGER	</MERGER>
	END MERGER SERIES AND CLASSES CONTRACTS	</MERGER-SERIES-AND-CLASSES-CONTRACTS>
	END SERIES AND CLASSES CONTRACTS DATA	</SERIES-AND-CLASSES-CONTRACTS-DATA>
?	MULTI ACCESSION NUMBERS	<MULTI-ACCESSION-NUMBERS>
*,	ACCESSION_NUMBER	<ACCESSION-NUMBER>
	END MULTI ACCESSION NUMBERS	</MULTI-ACCESSION-NUMBERS>
?	WITHDRAWN ACCESSION NUMBER	<WITHDRAWN-ACCESSION-NUMBER>
?	PREVIOUS-ACCESSION-NUMBER	<PREVIOUS-ACCESSION-NUMBER>
?	FILER WELL-KNOWN SEASONED ISSUER	<IS-FILER-A-WELL-KNOWN-SEASONED-ISSUER>
?	FILER NEW REGISTRANT	<IS-FILER-A-NEW-REGISTRANT>

?	FILER PURSUANT TO GENERAL INSTRUCTIONS	<FILED-PURSUANT-TO-GENERAL-INSTRUCTION-A2>
?	FILER FUND 24F-2 ELIGIBLE	<IS-FUND-24F2-ELIGIBLE>

Table 8 - Submission Header Tag Elements

### 3.2.3 Document Header Tag Elements

Symbol	Field	SGML Tag
+	DOCUMENT	<DOCUMENT>
	CONFORMED DOCUMENT TYPE	<TYPE>
	DOCUMENT SEQUENCE	<SEQUENCE>
	DOCUMENT FILENAME	<FILENAME>
?	DESCRIPTION	<DESCRIPTION>
?	RENDERED XBRL DOCUMENT	<DESCRIPTION>IDEA:XBRL DOCUMENT
	DOCUMENT TEXT	<TEXT>
?	PDF INDICATOR	<PDF>
?	END PDF	</PDF>
?	XML INDICATOR	<XML>
?	END XML	</XML>
?	XBRL INDICATOR	<XBRL>
?	END XBRL	</XBRL>
	END DOCUMENT TEXT	</TEXT>
	END DOCUMENT	</DOCUMENT>
	END SUBMISSION	</SUBMISSION>

Table 9 - Document Header Tag Elements

### 3.2.4 Document Text Tag Elements

Unlike submission and document headers, the ordering of legal document text tags depends almost entirely on the needs or preferences of the author of the filing text. The ordering presented below is arbitrary. Certain restrictions do apply to ordering within table sections, as specified in the Document Type Definition (DTD) (see 4.4 EDGAR SGML Document Type Definition). However, <PAGE> and footnote (<FN>) tags are permitted virtually anywhere within the document text irrespective of table sections.

Symbol	Field	SGML Tag
2	TABLE	<TABLE>
2	CAPTION	<CAPTION>

2	S	<S>
2	C	<C>
2	FN	<FN>
2	END TABLE	</TABLE>
2	FOOTNOTES	<F1> - <F99>
2	PAGE	<PAGE

Table 10 - Document Text Tag Elements

### 3.3 EDGAR Header and Document Tag Definitions

The following is a list of tag definitions for all SGML tags used within EDGAR submission headers and documents. These tag definitions are specific to the EDGAR Dissemination Output.

The information for each tag includes:

DATA ELEMENT:	Name of the element
TAG:	SGML Tag
DESCRIPTION:	Brief description of the type of data in the field.
LENGTH:	Maximum length of the field
END TAG:	Associated end tag if applicable. Not all tags require end tags.
CHARACTERISTIC:	Special characteristics of the data, i.e. alphanumeric, numeric etc.
LIMITS:	Specifies any limits associated with the data.
FORMAT:	Illustrates, if applicable, a standardized format for the data.

#### 3.3.1 Submission Header Tags

DATA ELEMENT:	SUBMISSION
TAG:	<SUBMISSION>
DESCRIPTION:	Initial dissemination tag. Required.
LENGTH:	Tag only
END TAG:	</SUBMISSION>
CHARACTERISTIC:	NA
LIMITS:	NA
FORMAT:	NA

DATA ELEMENT:	CORRECTION
TAG:	<CORRECTION>
DESCRIPTION:	Identifies post acceptance correction transaction. This tag is only present for a correction to a filing. Optional.
LENGTH:	Tag only
END TAG:	NA

CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: TIMESTAMP  
TAG: <TIMESTAMP>

DESCRIPTION: Edgar Dissemination date-time, used for Post Acceptance Corrections only. Defines the time which the correction is disseminated by EDGAR, supplied by the R/A Subsystem. Optional.

LENGTH: 15  
END TAG: NA  
CHARACTERISTIC: Date  
LIMITS: NA  
FORMAT: YYYYMMDD:HHMMSS

DATA ELEMENT: PAPER  
TAG: <PAPER>  
DESCRIPTION: Identifies the submission as a Paper submission. Optional.  
LENGTH: Tag only  
END TAG: NA  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: PRIVATE-TO-PUBLIC  
TAG: <PRIVATE-TO-PUBLIC>  
DESCRIPTION: Identifies an SEC-approved private-to-public document dissemination. This tag is only present in a \*.pr dissemination (a private-to-public dissemination). Optional.  
LENGTH: Tag only  
END TAG: NA  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: ACCESSION NUMBER  
TAG: <ACCESSION-NUMBER>  
DESCRIPTION: EDGAR assigned identifier unique to each submission. Required.  
LENGTH: 20  
END TAG: NA  
CHARACTERISTIC: Alpha-  
Numeric LIMITS: NA

FORMAT: (10-Char CIK)+"-"+YY+"-"+(6-Char sequence #)

DATA ELEMENT: DELETION  
TAG: <DELETION>  
DESCRIPTION: Identifies post acceptance correction filing deletion. This tag is present after accession number only when the filing is being deleted. Optional.  
LENGTH: Tag only  
END TAG: NA  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: CONFORMED SUBMISSION TYPE  
TAG: <TYPE>  
DESCRIPTION: Conformed type of submission being disseminated. Required.  
LENGTH: 20  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric, spaces and hyphens allowed.  
LIMITS: Refer to EDGAR Filer Manual Volume II chapter entitled "Index To Forms".  
FORMAT: NA

DATA ELEMENT: CATEGORY  
TAG: <CATEGORY>  
DESCRIPTION: Category of submission being disseminated. Optional.  
LENGTH: 20  
END TAG: NA  
CHARACTERISTIC: Alphanumeric, spaces and hyphens allowed.  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: CONFIRMING COPY  
TAG: <CONFIRMING-COPY>  
DESCRIPTION: This tag defines this submission as being a confirming copy to a paper submission.  
LENGTH: Tag only  
END TAG: NA  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: PUBLIC DOCUMENT COUNT  
TAG: <PUBLIC-DOCUMENT-COUNT>  
DESCRIPTION: Number of PUBLIC documents in the submission, including rendered XBRL documents; if any.  
LENGTH: 3  
END TAG: NA  
CHARACTERISTIC: Numeric  
LIMITS: 001-999  
FORMAT: NA

DATA ELEMENT: CALENDAR YEAR ENDING  
TAG: <CALENDAR-YEAR-ENDING>  
DESCRIPTION: Calendar Year End. Optional.  
LENGTH: 4  
END TAG: NA  
CHARACTERISTIC: Date  
LIMITS: NA  
FORMAT: YYYY

DATA ELEMENT: REFERENCE 462B  
TAG: <REFERENCE-462B>  
DESCRIPTION: Refers to a prospectus relating to a registration statement updated pursuant to Rule 462B. The value represents the file number of the prior registration statement. Optional.  
LENGTH: 15  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric  
LIMITS: NA  
FORMAT: ###-#####[#][-XX[X][X]] where # is a number, [] is optional, and X is alphanumeric.

DATA ELEMENT: REFERENCES 429  
TAG: <REFERENCES-429>  
DESCRIPTION: Refers to a prospectus relating to two or more registration statements updated pursuant to Rule 429. The value represents the file numbers of the prior registration statements. Optional & Repeatable.  
LENGTH: 15  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric  
LIMITS: NA  
FORMAT: ###-#####[#][-XX[X][X]] where # is a number, [] is optional, and X



is alphanumeric.

DATA ELEMENT: CONFORMED PERIOD OF REPORT  
TAG: <PERIOD>  
DESCRIPTION: End date of reporting period of filing. Optional.  
LENGTH: 8  
END TAG: NA  
CHARACTERISTIC: Date  
LIMITS: NA  
FORMAT: YYYYMMDD

DATA ELEMENT: DEPOSITOR CIK  
TAG: <DEPOSITOR-CIK>  
DESCRIPTION: The Central Index Key of the Depositor of an asset-backed securities offering. Optional  
LENGTH: 10  
END TAG: NA  
CHARACTERISTIC: Numeric  
LIMITS: 0000000001-9999999999  
FORMAT: NA

DATA ELEMENT: SPONSOR CIK  
TAG: <SPONSOR-CIK>  
DESCRIPTION: The Central Index Key of the Sponsor of an asset-backed securities offering. Optional  
LENGTH: 10  
END TAG: NA  
CHARACTERISTIC: Numeric  
LIMITS: 0000000001-9999999999  
FORMAT: NA

DATA ELEMENT: ITEM  
INFORMATION TAG: <ITEMS>  
DESCRIPTION: Identifies 1 or more items declared in the filings. Optional & Repeatable.  
Applies to forms: 1-U, 1-U/A, 8-K, 8-K/A, 8-K12B, 8-K12B/A, 8-K12G3, 8-K12G3/A, 8-K15D5, 8-K15D5/A, ABS-15G, ABS-15G/A, D, D/A, REGDEX, REGDEX/A, SD, SD/A  
LENGTH: 4  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric  
LIMITS: NA  
FORMAT: #.##

DATA ELEMENT: MA-I INDIVIDUAL  
TAG: <MA-I\_INDIVIDUAL>  
DESCRIPTION: This element specifies the filer supplied name of the individual for whom an MA-I or MA-I/A submission was submitted. Optional.  
LENGTH: 8  
END TAG: NA  
CHARACTERISTIC: Date  
LIMITS: NA  
FORMAT: YYYYMMDD

DATA ELEMENT: FILED AS OF DATE  
TAG: <FILING-DATE>  
DESCRIPTION: EDGAR assigned official filing date, or post acceptance new filing date (Post Acceptance Correction). Required.  
LENGTH: 8  
END TAG: NA  
CHARACTERISTIC: Date  
LIMITS: NA  
FORMAT: YYYYMMDD

DATA ELEMENT: DATE AS OF CHANGE  
TAG: <DATE-OF-FILING-DATE-CHANGE>  
DESCRIPTION: Date when the last Post Acceptance occurred. Optional.  
LENGTH: 8  
END TAG: NA  
CHARACTERISTIC: Date  
LIMITS: NA  
FORMAT: YYYYMMDD

DATA ELEMENT: EFFECTIVENESS DATE  
TAG: <EFFECTIVENESS-DATE>  
DESCRIPTION: The effective date of the submission. Optional.  
LENGTH: 8  
END TAG: NA  
CHARACTERISTIC: Date  
LIMITS: NA  
FORMAT: YYYYMMDD

DATA ELEMENT: ACTION DATE  
TAG: <ACTION-DATE>  
DESCRIPTION: The grant or issue date for Orders or Notices. Optional.

LENGTH: 8  
END TAG: NA  
CHARACTERISTIC: Date  
LIMITS: NA  
FORMAT: YYYYMMDD

DATA ELEMENT: RECEIVED DATE  
TAG: <RECEIVED-DATE>  
DESCRIPTION: The received date for Orders or Notices. Optional.  
LENGTH: 8  
END TAG: NA  
CHARACTERISTIC: Date  
LIMITS: NA  
FORMAT: YYYYMMDD

DATA ELEMENT: GROUP MEMBERS  
TAG: <GROUP-MEMBERS>  
DESCRIPTION: This identifies group members in this submission.  
Optional and repeatable.  
LENGTH: 60  
END TAG: NA  
CHARACTERISTIC: Alphanumeric  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: ABS PUBLIC DOCUMENT COUNT

TAG: <ABS-RULE>  
DESCRIPTION: This element identifies the ABS rule selected for the submission. Optional.  
LENGTH: 10  
END TAG: </ABS-RULE>  
CHARACTERISTIC: Alphanumeric  
LIMITS: The valid values for this element are RULE-15GA1 or RULE-15GA2.  
FORMAT: NA

DATA ELEMENT: PERIOD START  
TAG: <PERIOD-START>  
DESCRIPTION: This identifies start date of reporting for the submission. Optional.  
LENGTH: 8  
END TAG: NA  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: YYYYMMDD

DATA ELEMENT: NO INITIAL PERIOD ACTIVITY  
TAG: <NO-INITIAL-PERIOD-ACTIVITY>  
DESCRIPTION: Identifies if the Securitizer has any activity to report for the initial period pursuant to Rule 15Ga-1(c)(1). Optional.  
LENGTH: 1  
END TAG: NA  
CHARACTERISTIC: Alphanumeric  
LIMITS: The valid values for this element are "Y" or "N".  
FORMAT: NA

DATA ELEMENT: NO QUARTERLY ACTIVITY  
TAG: <NO-QUARTERLY-ACTIVITY>  
DESCRIPTION: Identifies if the Securitizer has any activity to report for the quarterly period pursuant to Rule 15Ga-1(c)(2)(i). Optional.  
LENGTH: 1  
END TAG: NA  
CHARACTERISTIC: Alphanumeric  
LIMITS: The valid values for this element are "Y" or "N".  
FORMAT: NA

DATA ELEMENT: NO ANNUAL ACTIVITY  
TAG: <NO-ANNUAL-ACTIVITY>  
DESCRIPTION: Identifies if the Securitizer has any activity to report for the annual period pursuant to Rule 15Ga-1(c)(2)(ii). Optional.  
LENGTH: 1  
END TAG: NA  
CHARACTERISTIC: Alphanumeric  
LIMITS: The valid values for this element are "Y" or "N".  
FORMAT: NA

DATA ELEMENT: REGISTERED ENTITY  
TAG: <REGISTERED-ENTITY>  
DESCRIPTION: This element identifies if the ABS-15Ga-2 submission is for a registered or unregistered entity. Optional.  
LENGTH: 1  
END TAG: NA  
CHARACTERISTIC: Alphanumeric  
LIMITS: The valid values for this element are "Y" or "N".  
FORMAT: NA

DATA ELEMENT: ABS ASSET CLASS  
TAG: <ABS-ASSET-CLASS>  
DESCRIPTION: This element specifies the ABS Asset Class for the submission. Optional.  
LENGTH: 50  
END TAG: </ABS-ASSET-CLASS>  
CHARACTERISTIC: Alphanumeric  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: ISSUING ENTITY NAME  
TAG: <ISSUING-ENTITY-NAME>  
DESCRIPTION: This element specifies the filer supplied name of the Issuing Entity associated with the submission. Optional.  
LENGTH: 150  
END TAG: NA  
CHARACTERISTIC: Alphanumeric  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: FILER  
TAG: <FILER>  
DESCRIPTION: Initial tag for nested Filer information. Related data will be grouped together depending on submission type. The relevant tag will be reported for each grouping of company data. The tag is required and repeatable as a filing is being made on behalf of more than one Filer (person or entity).  
LENGTH: Tag only  
END TAG: </FILER>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: DEPOSITOR  
TAG: <DEPOSITOR>  
DESCRIPTION: Initial tag for nested Depositor information. Related data will be grouped together depending on submission type. The tag is optional.  
LENGTH: Tag only  
END TAG: </DEPOSITOR>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: SECURITIZER  
TAG: <SECURITIZER>

DESCRIPTION: Initial tag for nested Securitizer information. Related data will be grouped together depending on submission type. The tag is optional.  
LENGTH: Tag only  
END TAG: </SECURITIZER>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: ISSUING\_ENTITY  
TAG: <ISSUING\_ENTITY>  
DESCRIPTION: Initial tag for nested Issuing Entity information. Related data will be grouped together depending on submission type. The tag is optional.  
LENGTH: Tag only  
END TAG: </ISSUING\_ENTITY>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: UNDERWRITER  
TAG: <UNDERWRITER>  
DESCRIPTION: Initial tag for nested Underwriter information. Related data will be grouped together depending on submission type. The tag is optional.  
LENGTH: Tag only  
END TAG: </UNDERWRITER>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: FILED BY  
TAG: <FILED-BY>  
DESCRIPTION: Initial tag for nested company information that filed the submission. The relevant tag is required as a filing is being made on behalf of more than one Filer (person or entity).  
LENGTH: Tag only  
END TAG: </FILED-BY>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: SUBJECT COMPANY  
TAG: <SUBJECT-COMPANY>  
DESCRIPTION: Initial tag for nested company information. Related data will be grouped together depending on submission type. The relevant tag is optional and repeatable as a filing is being made on behalf of more than one

Filer (person or entity).  
LENGTH: Tag only  
END TAG: </SUBJECT-COMPANY>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: REPORTING OWNER  
TAG: <REPORTING-OWNER>  
DESCRIPTION: Initial tag for nested owner information. Related data will be grouped together depending on submission type. The relevant tag will be reported for each grouping of company data. The relevant tag is optional and repeatable as a filing is being made on behalf of more than one Filer (person or entity).

LENGTH: Tag only  
END TAG: </REPORTING-OWNER>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: ISSUER  
TAG: <ISSUER>  
DESCRIPTION: Initial tag for nested company information. Related data will be grouped together depending on submission type. The relevant tag is required as a filing is being made on behalf of more than one Filer (person or entity).

LENGTH: Tag only  
END TAG: </ISSUER>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: SERIAL COMPANY  
TAG: <SERIAL-COMPANY>  
DESCRIPTION: Initial tag for nested company information. Related data will be grouped together depending on submission type. The relevant tag will be reported for each grouping of company data. The relevant tag is optional and repeatable as a filing is being made on behalf of more than one Filer (person or entity).

LENGTH: Tag only  
END TAG: </SERIAL-COMPANY>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: FILED FOR  
TAG: <FILED-FOR>  
DESCRIPTION: Initial tag for nested company information. Related data will be grouped together depending on submission type. The relevant tag will be reported for each grouping of company data. The relevant tag is optional and repeatable as a filing is being made on behalf of more than one Filer (person or entity). This tag nest is used only in dissem headers for SEC Uploads (<CONFORMED- SUBMISSION-TYPE>UPLOAD).  
LENGTH: Tag only  
END TAG: </FILED-FOR>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: COMPANY DATA  
TAG: <COMPANY-DATA>  
DESCRIPTION: Initial tag for nested company information, related data will be grouped together. The information enclosed in this grouping represent the latest company conformed data submitted to the SEC. Required in each Filer nest.  
LENGTH: Tag only  
END TAG: </COMPANY-DATA>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: OWNER DATA  
TAG: <OWNER-DATA>  
DESCRIPTION: Initial tag for nested owner information, related data will be grouped together. The information enclosed in this grouping represents the latest owner conformed data submitted to the SEC. Required in each reporting- owner nest.  
LENGTH: Tag only  
END TAG: </OWNER-DATA>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: COMPANY/OWNER CONFORMED  
NAME TAG: <CONFORMED-NAME>



DESCRIPTION: Filer/Registrant/Owner conformed name as it appears in the SEC's database.  
 Required in each company data nest.

LENGTH: 150  
 END TAG: NA  
 CHARACTERISTIC: Alpha-Numeric  
 LIMITS: NA  
 FORMAT: NA

DATA ELEMENT: CIK  
 TAG: <CIK>  
 DESCRIPTION: Filer/Registrant Central Index Key, which was supplied by the SEC following receipt of the Form ID. Required in each company data nest and Merger series and classes (contracts) information.

LENGTH: 10  
 END TAG: NA  
 CHARACTERISTIC: Numeric  
 LIMITS: 0000000001-9999999999  
 FORMAT: NA

DATA ELEMENT: SIC  
 TAG: <ASSIGNED-SIC>  
 DESCRIPTION: Company's Standard Industrial Classification code. Required in each company data nest.

LENGTH: 4  
 END TAG: NA  
 CHARACTERISTIC: Numeric  
 LIMITS: Values taken from the SIC code file/table on  
 EDGAR. FORMAT: NA

DATA ELEMENT: RESOURCE-EXT-ISSUER  
 TAG: <RESOURCE-EXT-ISSUER>  
 DESCRIPTION: Specifies if the resource extraction issuer is controlled by another resource extraction issuer that has submitted a Form SD disclosing the information required by Item 2.01 for the controlled entity? Values are "Y" and "N".

LENGTH: 1  
 END TAG: NA  
 CHARACTERISTIC: Character  
 LIMITS: NA  
 EDGAR. FORMAT: NA

DATA ELEMENT: ORGANIZATION NAME  
 TAG: <ORGANIZATION-NAME>  
 DESCRIPTION: The EDGAR CIK Owner Organization Name when it is associated with the CF branch.  
 LENGTH: 60  
 END TAG: NA  
 CHARACTERISTIC: Alpha Numeric plus special characters.  
 LIMITS: Values taken from EDGAR database. If the company is not associated with the CF branch, then this value will be empty.  
 FORMAT: NA

DATA ELEMENT: RELATIONSHIP  
 TAG: <RELATIONSHIP>  
 DESCRIPTION: Identifies the filer's relationship with the company, e.g., Director, Officer etc.  
 LENGTH: 10  
 END TAG: NA  
 CHARACTERISTIC: Alpha-Numeric  
 LIMITS: NA  
 FORMAT: NA

DATA ELEMENT: IRS NUMBER  
 TAG: <IRS-NUMBER>  
 DESCRIPTION: Filer/Registrant/Subject Company/Issuer IRS number. Required in each subject company tag nest. Serial Company IRS Number is not disseminated.  
 LENGTH: 10  
 END TAG: NA  
 CHARACTERISTIC: Alpha-Numeric  
 LIMITS: NA  
 FORMAT: 99-9999999

DATA ELEMENT: STATE OF INCORPORATION  
 TAG: <STATE-OF-INCORPORATION>  
 DESCRIPTION: Company State of Incorporation. Optional.  
 LENGTH: 2  
 END TAG: NA  
 CHARACTERISTIC: Alpha-Numeric  
 LIMITS: Values from the State and Country Codes held in EDGAR.

FORMAT: NA

DATA ELEMENT: FISCAL YEAR END  
TAG: <FISCAL-YEAR-END>  
DESCRIPTION: Company Fiscal Year End. Optional.  
LENGTH: 4  
END TAG: NA  
CHARACTERISTIC: Date  
LIMITS: NA  
FORMAT: MMDD

DATA ELEMENT: FILING-VALUES  
TAG: <FILING-VALUES>  
DESCRIPTION: Initial tag for nested filing values. A form may be filed under more than 1 act. Required and Repeatable within each filer nest, except filed by LENGTH: Tag only  
END TAG: </FILING-VALUES>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: DELETION  
TAG: <DELETION>  
DESCRIPTION: Identifies post acceptance correction file number deletion. This tag is present after filing values to specify the file number deleted.  
Optional.  
LENGTH: Tag only  
END TAG: NA  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: FORM TYPE  
TAG: <FORM-TYPE>  
DESCRIPTION: Used to identify the form type filed for each filer. Required by Filer.  
LENGTH: 10  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric, spaces and hyphens allowed. Required in each filing values tag nest.  
LIMITS: Refer to EDGAR Filer Manual Volume II chapter entitled "Index To Forms".  
FORMAT: NA

DATA ELEMENT: SEC ACT

TAG: <ACT>  
DESCRIPTION: Identification of the act(s) under which certain IM filings are made. The form type may be filed under more than one act. Required in each filing values tag nest.  
LENGTH: 2  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric  
LIMITS: Refer to FTTD published by SEC.  
FORMAT: NA

DATA ELEMENT: SEC FILE NUMBER  
TAG: <FILE-NUMBER>  
DESCRIPTION: SEC Conformed File Number. Required in each filing values tag nest.  
LENGTH: 15  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric  
LIMITS: NA  
FORMAT: ###-#####[#][-XX[X][X]] where # is a number, [] is optional, and X is alphanumeric.

DATA ELEMENT: FILM NUMBER  
TAG: <FILM-NUMBER>  
DESCRIPTION: Also known as the Document Control Number (DCN) Microfilm number assigned to submission. Required for each Subject Company or Registrant, or Owner, not for Filed By or Issuer.  
LENGTH: 10  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric  
LIMITS: NA  
FORMAT: YY#####

DATA ELEMENT: BUSINESS ADDRESS  
TAG: <BUSINESS-ADDRESS>  
DESCRIPTION: Company Business Address. Optional.  
LENGTH: Tag Only  
END TAG: </BUSINESS-ADDRESS>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: BUSINESS STREET 1  
TAG: <STREET1>  
DESCRIPTION: Company Business Street 1. Optional.

LENGTH: 40  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: BUSINESS STREET 2  
TAG: <STREET2>  
DESCRIPTION: Company Business Street 2. Optional.  
LENGTH: 40  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: BUSINESS CITY  
TAG: <CITY>  
DESCRIPTION: Company Business City. Optional.  
LENGTH: 30  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: BUSINESS STATE  
TAG: <STATE>  
DESCRIPTION: Company Business State. Optional.  
LENGTH: 2  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric  
LIMITS: Values from the State and Country Codes table held in EDGAR.  
FORMAT: NA

DATA ELEMENT: BUSINESS ZIP  
TAG: <ZIP>  
DESCRIPTION: Company Business Zip. Optional.  
LENGTH: 10  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: BUSINESS PHONE  
TAG: <PHONE>  
DESCRIPTION: Company Business Phone. Optional.  
LENGTH: 12  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: MAIL ADDRESS  
TAG: <MAIL-ADDRESS>  
DESCRIPTION: Company Mail Address. Optional.  
LENGTH: Tag Only  
END TAG: </MAIL-ADDRESS>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: MAIL STREET 1  
TAG: <STREET1>  
DESCRIPTION: Company Mail Street 1. Optional.  
LENGTH: 40  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: MAIL STREET 2  
TAG: <STREET2>  
DESCRIPTION: Company Mail Street 2. Optional.  
LENGTH: 40  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: MAIL CITY  
TAG: <CITY>  
DESCRIPTION: Company Mail City. Optional.  
LENGTH: 30  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric

LIMITS: NA  
FORMAT: NA

DATA ELEMENT: MAIL STATE  
TAG: <STATE>  
DESCRIPTION: Company Mail State. Optional.  
LENGTH: 2  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric  
LIMITS: Values from the State and Country Codes file from OADPS.  
FORMAT: NA

DATA ELEMENT: MAIL ZIP  
TAG: <ZIP>  
DESCRIPTION: Company Mail Zip. Optional.  
LENGTH: 10  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: FORMER COMPANY  
TAG: <FORMER-COMPANY>  
DESCRIPTION: Former company name. Optional and repeatable up to three times.  
LENGTH: Tag only  
END TAG: </FORMER-COMPANY>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: FORMER OWNER NAME  
TAG: <FORMER-NAME>  
DESCRIPTION: Former reporting owner name. Optional and repeatable up to three times.  
LENGTH: Tag only  
END TAG: </FORMER-NAME>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: FORMER CONFORMED NAME  
TAG: <FORMER-CONFORMED-NAME>

DESCRIPTION: Former Company name. Required in each former company tag nest.  
LENGTH: 150  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: DATE OF NAME CHANGE  
TAG: <DATE-CHANGED>  
DESCRIPTION: Date when company name was changed. Required in each former company tag nest.  
LENGTH: 8  
END TAG: NA  
CHARACTERISTIC: Date  
LIMITS: NA  
FORMAT: YYYYMMDD

DATA ELEMENT: PUBLIC REFERENCE ACCESSION NUMBER  
TAG: <PUBLIC-REFERENCE-ACC>  
DESCRIPTION: Present only in SEC UPLOADS. Reference to a specific submission (via Accession number). Optional.  
END TAG: NA  
LENGTH: 20  
CHARACTERISTIC: Alpha-Numeric  
LIMITS: NA  
FORMAT: (10-Char CIK)+"-"+YY+"-"+(6-Char sequence #)

DATA ELEMENT: SERIES AND CLASSES CONTRACTS DATA  
TAG: <SERIES-AND-CLASSES-CONTRACTS-DATA>  
DESCRIPTION: Initial tag for nested series and classes (contracts) information. Related data will be grouped together. The tag is required per relevant form type and investment company type.  
LENGTH: Tag only  
END TAG: </SERIES-AND-CLASSES-CONTRACTS-DATA>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: NEW SERIES AND CLASSES CONTRACTS  
TAG: <NEW-SERIES-AND-CLASSES-CONTRACTS>  
DESCRIPTION: Initial tag for identifying new series and classes (contracts) information. Related data will be grouped together. The tag is optional per relevant form



type.  
 LENGTH: Tag only  
 END TAG: </NEW-SERIES-AND-CLASSES-CONTRACTS>  
 CHARACTERISTIC: NA  
 LIMITS: NA  
 FORMAT: NA

DATA ELEMENT: EXISTING SERIES AND CLASSES CONTRACTS  
 TAG: <EXISTING-SERIES-AND-CLASSES-CONTRACTS>  
 DESCRIPTION: Initial tag for identifying existing series and classes (contracts) information. Related data will be grouped together. The tag is optional per relevant form type.

LENGTH: Tag only  
 END TAG: </EXISTING-SERIES-AND-CLASSES-CONTRACTS>  
 CHARACTERISTIC: NA  
 LIMITS: NA  
 FORMAT: NA

DATA ELEMENT: MERGER SERIES AND CLASSES CONTRACTS  
 TAG: <MERGER-SERIES-AND-CLASSES-CONTRACTS>  
 DESCRIPTION: Initial tag for identifying merger series and classes (contracts) information. Related data will be grouped together. The tag is optional per relevant form type.

LENGTH: Tag only  
 END TAG: </MERGER-SERIES-AND-CLASSES-CONTRACTS>  
 CHARACTERISTIC: NA  
 LIMITS: NA  
 FORMAT: NA

DATA ELEMENT: OWNER CIK  
 TAG: <OWNER-CIK>  
 DESCRIPTION: Series and Classes (Contracts) Owner Central Index Key, which was supplied by the SEC following receipt of the Form ID. Required for identifying new and existing series and classes (contracts).

LENGTH: 10  
 END TAG: NA  
 CHARACTERISTIC: Numeric  
 LIMITS: 0000000001-9999999999  
 FORMAT: NA

DATA ELEMENT: NEW SERIES  
 TAG: <NEW-SERIES>  
 DESCRIPTION: Initial tag for identifying new series information. Required and repeatable

for New Series and Classes Contracts.

LENGTH: Tag only  
END TAG: </NEW-SERIES>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: SERIES ID  
TAG: <SERIES-ID>  
DESCRIPTION: Series ID number, which was supplied by the SEC following receipt of new series information. Required for all scenarios (new, existing, merger) for series and classes (contracts).

LENGTH: 10  
END TAG: NA  
CHARACTERISTIC: AlphaNumeric  
LIMITS: S000000001-S999999999  
FORMAT: S#####

DATA ELEMENT: SERIES NAME  
TAG: <SERIES-NAME>  
DESCRIPTION: Series name, which was supplied by the filer during receipt new series information. Required for all scenarios (new, existing, merger) for series and classes (contracts).

LENGTH: 150  
END TAG: NA  
CHARACTERISTIC: AlphaNumeric  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: NEW CLASSES CONTRACTS  
TAG: <NEW-CLASSES-CONTRACTS>  
DESCRIPTION: Initial tag for identifying new classes (contracts) information. Required and repeatable for New Series and Classes Contracts.

LENGTH: Tag only  
END TAG: </NEW-CLASSES-CONTRACTS>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: CLASS CONTRACT  
TAG: <CLASS-CONTRACT>  
DESCRIPTION: Initial tag for identifying new, existing, or merger class (contract) information. Required and repeatable.

LENGTH: Tag only  
END TAG: </CLASS-CONTRACT>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: CLASS CONTRACT ID  
TAG: <CLASS-CONTRACT-ID>  
DESCRIPTION: Class (contract) ID number, which was supplied by the SEC following receipt of new class (contract) information. Required for all scenarios (new, existing, merger) for series and classes (contracts).

LENGTH: 10  
END TAG: NA  
CHARACTERISTIC: AlphaNumeric  
LIMITS: C000000001-C999999999  
FORMAT: C#####

DATA ELEMENT: CLASS CONTRACT NAME  
TAG: <CLASS-CONTRACT-NAME>  
DESCRIPTION: Class (contract) name, which was supplied by the filer during receipt of new class (contract) information. Required for all scenarios (new, existing, merger) for series and classes (contracts).

LENGTH: 150  
END TAG: NA  
CHARACTERISTIC: AlphaNumeric  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: SERIES  
TAG: <SERIES>  
DESCRIPTION: Initial tag for identifying existing and merger series information. Required and repeatable for Existing and Merger Series and Classes Contracts.

LENGTH: Tag only  
END TAG: </SERIES>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: CLASS CONTRACT TICKER SYMBOL  
TAG: <CLASS-CONTRACT-TICKER-SYMBOL>  
DESCRIPTION: Class (contract) ticker symbol, which was supplied by the filer during receipt of existing class (contract) information. Optional for all existing and merger scenarios for series and classes (contracts).

LENGTH: 10  
END TAG: NA  
CHARACTERISTIC: AlphaNumeric  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: MERGER  
TAG: <MERGER>  
DESCRIPTION: Initial tag for identifying merger series and classes (contracts) information. Required and repeatable for Merger Series and Classes Contracts.

LENGTH: Tag only  
END TAG: </MERGER>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: ACQUIRING DATA  
TAG: <ACQUIRING-DATA>  
DESCRIPTION: Initial tag for identifying the acquiring series and class (contract) information as part of reporting merger information. Required for Merger Series and Classes Contracts.

LENGTH: Tag only  
END TAG: </ACQUIRING-DATA>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: TARGET DATA  
TAG: <TARGET-DATA>  
DESCRIPTION: Initial tag for identifying the target series and class (contract) information as part of reporting merger information. Required and repeatable for Merger Series and Classes Contracts.

LENGTH: Tag only  
END TAG: </TARGET-DATA>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: MULTI ACCESSION NUMBERS  
TAG: <MULTI-ACCESSION-NUMBERS>  
DESCRIPTION: Tag to hold multiple accession numbers for the form types NPORT-EX and NPORT-EX/A  
LENGTH: Tag only  
END TAG: </MULTI-ACCESSION-NUMBERS>

CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: WITHDRAWN ACCESSION NUMBER  
TAG: <WITHDRAWN -ACCESSION-NUMBER>  
DESCRIPTION: Tag to hold the withdrawn accession number for the form type ATS-N-W  
LENGTH: 20  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric  
LIMITS: NA  
FORMAT: (10-Char CIK)+"-"+YY+"-"+(6-Char sequence #)

DATA ELEMENT: PREVIOUS ACCESSION NUMBER  
TAG: <PREVIOUS-ACCESSION-NUMBER>  
DESCRIPTION: Tag to hold the accession number being amended for the form types ATS-N/MA, ATS-N/UA, ATS-N/CA, and ATS-N/OFA.  
LENGTH: 20  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric  
LIMITS: NA  
FORMAT: (10-Char CIK)+"-"+YY+"-"+(6-Char sequence #)

DATA ELEMENT: FILER WELL-KNOWN SEASONED ISSUER  
TAG: <IS-FILER-A-WELL-KNOWN-SEASONED-ISSUER>  
DESCRIPTION: Identifies if the primary registrant meets the well-known seasoned issuer criteria noted in Rule 405 of Regulation C under the Securities Act of 1933 [17 CFR 230.405]. Optional.  
LENGTH: 1  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric  
LIMITS: The valid values for this element are "Y" or "N".  
FORMAT: NA

DATA ELEMENT: FILER NEW REGISTRANT  
TAG: <IS-FILER-A-NEW-REGISTRANT>  
DESCRIPTION: Identifies if the primary registrant has been registered or regulated under the Investment Company Act for less than 12 calendar months preceding the filing. Optional.  
LENGTH: 1  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric  
LIMITS: The valid values for this element are "Y" or "N".  
FORMAT: NA

DATA ELEMENT: FILER PURSUANT TO GENERAL INSTRUCTIONS  
TAG: <FILED-PURSUANT-TO-GENERAL-INSTRUCTION-A2>  
DESCRIPTION: Identifies if the filing is pursuant to General Instruction A.2. Optional.  
LENGTH: 1  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric  
LIMITS: The valid values for this element are "Y" or "N".  
FORMAT: NA

DATA ELEMENT: FILER FUND 24F-2 ELIGIBLE  
TAG: <IS-FUND-24F2-ELIGIBLE>  
DESCRIPTION: Identifies if the fund is 24F-2 eligible. Optional.  
LENGTH: 1  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric  
LIMITS: The valid values for this element are "Y" or "N".  
FORMAT: NA

### 3.3.2 Document Header and Text Tags

The following is a list of each tag and associated tag value information for the document portion of the current disseminated output DTD. This includes the data element, tag, description and other information associated with the tag value.

DATA ELEMENT: DOCUMENT  
TAG: <DOCUMENT>  
DESCRIPTION: Initial tag for nested document information. Required and repeatable.  
LENGTH: Tag only  
END TAG: </DOCUMENT>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: CONFORMED DOCUMENT TYPE  
TAG: <TYPE>  
DESCRIPTION: EDGAR conformed document type. Required in each document tag nest.  
LENGTH: 20  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric  
LIMITS: Refer to EDGAR Filer Manual Volume II chapter entitled "Index To Forms".  
FORMAT: NA

DATA ELEMENT: DOCUMENT SEQUENCE  
TAG: <SEQUENCE>  
DESCRIPTION: Document sequence number. Required in each document tag nest.  
LENGTH: 3  
END TAG: NA  
CHARACTERISTIC: Numeric  
LIMITS: 001-999  
FORMAT: NA

DATA ELEMENT: FILENAME  
TAG: <FILENAME>  
DESCRIPTION: Document File name. Required in each document tag nest.  
LENGTH: 40  
END TAG: NA  
CHARACTERISTIC: Alpha-Numeric  
LIMITS: NA

FORMAT: NA

DATA ELEMENT: DOCUMENTDESCRIPTION

TAG: <DESCRIPTION>

DESCRIPTION: Describes what is contained in the document. Optional.

LENGTH: 255

END TAG: NA

CHARACTERISTIC: Alpha-Numeric

LIMITS: NA

FORMAT: NA

DATA ELEMENT: RENDERED XBRL DOCUMENT

TAG: <DESCRIPTION>IDEA: XBRL DOCUMENT

DESCRIPTION: Identifies a Rendered XBRL Document. Required for all Rendered XBRL documents.

LENGTH: Tag only

END TAG: NA

CHARACTERISTICS: NA

LIMITS: NA

FORMAT: NA

DATA ELEMENT: DOCUMENT TEXT

TAG: <TEXT>

DESCRIPTION: Identifies beginning of document text. Required in each document tag nest.

LENGTH: Tag only

END TAG: </TEXT>

CHARACTERISTIC: NA

LIMITS: NA

FORMAT: NA

DATA ELEMENT: PDF

TAG: <PDF>

DESCRIPTION: Identifies beginning of UUencoded PDF document. Optional under Document text.

LENGTH: Tag only

END TAG: </PDF>

CHARACTERISTIC: NA

LIMITS: NA

FORMAT: NA



DATA ELEMENT: XML  
TAG: <XML>  
DESCRIPTION: Identifies beginning of XML document and XML tagging elements. Optional under Document text.  
LENGTH: Tag only  
END TAG: </XML>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: XBRL  
TAG: <XBRL>  
DESCRIPTION: Identifies beginning of XBRL document and XBRL tagging elements. Optional under Document text.  
LENGTH: Tag only  
END TAG: </XBRL>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: TABLE  
TAG: <TABLE>  
DESCRIPTION: Identifies beginning of table in text document. Optional and repeatable in Document text.  
LENGTH: Tag only  
END TAG: </TABLE>  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: CAPTION  
TAG: </CAPTION>  
DESCRIPTION: Identifies a table caption. Optional and repeatable in document text.  
LENGTH: Tag Only  
END TAG: NA  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: STUB  
TAG: <S>  
DESCRIPTION: Identifies a stub header. Optional and repeatable in document text.  
LENGTH: Tag only  
END TAG: NA  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: COLUMN  
TAG: <C>  
DESCRIPTION: Identifies a column header. Optional and repeatable in document text.  
LENGTH: Tag only  
END TAG: NA  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: TABLE FOOTNOTES SECTION  
TAG: <FN>  
DESCRIPTION: Footnotes Section in a table. Optional and repeatable in document text.  
LENGTH: Tag only  
END TAG: NA  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: FOOTNOTES  
TAG: <F1>-<F99>  
DESCRIPTION: Footnotes in document text. Optional and repeatable in document text.  
LENGTH: Tag only  
END TAG: NA  
CHARACTERISTIC: NA  
LIMITS: NA  
FORMAT: NA

DATA ELEMENT: PAGE  
TAG: <PAGE>  
DESCRIPTION: Identifies Filer-indicated page break. Optional and repeatable in document text.

LENGTH: Tag Only  
 END TAG: NA  
 CHARACTERISTIC: NA  
 LIMITS: NA  
 FORMAT: NA

### 3.4 EDGAR SGML Document Type Definition

Standard Generalized Markup Language (SGML) provides standardized, generic coding and generalized markup concepts for a wide variety of data. It provides syntax for describing various elements within a document.

A Document Type Definition (DTD) provides the rules that apply SGML to the markup of particular document types. A DTD should include a formal specification in the form of a document type declaration of elements types, element relationships and attributes, and references that can be represented by the markup. The DTD defines the vocabulary of the markup for which SGML defines the syntax.

```

<!SGML "ISO 8879-1986"
--
!=====
!
!           EDGAR DISSEMINATION
!
!   SGML DECLARATION AND DOCUMENT TYPE DEFINITION
!
!           PUBLIC
!
!!=====
--
CHARSET      BASESET      "ISO646-1983//CHARSETInternational
                Reference Version (IRV)//ESC 2/5 4/0"
                DESCSET    0 9 UNUSED
                9 2 9
                11 2 UNUSED
                13 1 13
                14 18 UNUSED
                32 95 32
                127 1 UNUSED
CAPACITY     PUBLIC      "ISO8879-1986//CAPACITYReference//EN"
SCOPE        DOCUMENT
C-1
SYNTAX
                SHUNCHAR  CONTROLS 0 1 2 3 4 5 6 7 8 9 10 11 12 13
  
```

```

14 15 16 17 18 19 20 21 22 23 24 25 26
27 28 29 30 31 127 255
BASESET "ISO 646-1983//CHARSET International
Reference Version (IRV)//ESC 2/5 4/0"
DESCSET 0 128 0
FUNCTION RE 13
RS 10
SPACE 32
TAB SEPCHAR 9
NAMING LCNMSTRT ""
UCNMSTRT ""
LCNMCHAR "-.&"
LCNMCHAR "-.&" NAMECASE
GENERAL YES
ENTITY NO
DELIM GENERAL
SGMLREF SHORTREF
SGMLREF
NAMES SGMLREF
QUANTITY SGMLREF NAMELEN 40 LITLEN 9000
ATTCNT 40 GRPCNT 350
GRPGTCNT 350
FEATURES -- only OMITTAG --
MINIMIZE DATATAG NO OMITTAG YES RANK NO
SHORTTAG NO
LINK SIMPLE NO IMPLICIT NO EXPLICIT NO
OTHER CONCUR NO SUBDOCNO FORMAL NO
APPINFO NONE
>
<!DOCTYPE submission [
<!--
!===== ENTITES =====

```

Entity references are provided for the '<' and '&' symbols to enable their use when a markup declaration open code or an entity reference open code respectively is not intended.

**Caution:** These reference mechanisms are provided and recommended for use as needed in the preparation of filing text. In the event that filing text presents a valid, yet unintended, entity reference which is not previously declared and no default entity has been defined, the SGML standard requires that

the reference be raised as an error. However, use of these entities to avoid unintended references is not strictly enforced as a condition for acceptance of EDGAR filings.

The text of disseminated filings may include literal sequences of characters containing ampersands. Such sequences could possibly present (unintended) valid entity references per the SGML standard. Any receiver of C-2 EDGAR dissemination data should be prepared to deal with possible exceptions raised as a result of unintended entity references stemming from character sequences with ampersands.

-->

C-2

```
<!ENTITY lt "<" >
<!ENTITY amp "&" >
```

```
<!--
=====
===!
!                PARAMETER      ENTITIES
!=====
===!
-->
```

```
<!ENTITY % pac-id "correction, timestamp" >
```

```
<!ENTITY % subm-front "(%pac-id;)?,
    paper?,
    private-to-public?,
    accession-number,
    deletion?,
    type,
    confirming-copy?,
    public-document-count,
    reference-462B?,
    references-429*,
    period?,
    items*, filing-
    date,
    date-of-filing-date-change?,
    effectiveness-date?,
    action-date?,
    received-date?,
```

group-members\*, abs-  
rule?,  
securitizer-file-number?,  
registered-entity?,  
abs-asset-class?" >

<!ENTITY % registrants "filer\* &  
filed-by\* &  
serial-company\* &  
subject-company\* &  
reporting-owner\* &  
issuer\* &  
filed-for\*" >

<!ENTITY % regist-data "deletion?,  
company-data | owner-data, filing-  
values?,  
business-address?,  
mail-address?,  
former-company\*,  
former-name\*" >

C-3

<!ENTITY % cmpy-data "conformed-name,  
cik,  
assigned-sic?,  
relationship?,  
irs-number?,  
state-of-incorporation?,  
fiscal-year-end?" >

<!ENTITY % filing-id "file-number,  
film-number" >

<!ENTITY % filing-vals "deletion?,  
form-type,  
act,  
(%filing-id;)" >

```
<!ENTITY % address "street1?,
street2?,
city?,
state?,
zip?",
phone? ">
```

```
<!ENTITY % former-data "former-conformed-name, date-
changed" >
```

```
<!ENTITY % pub-acc-ref "public-reference-acc" >
```

```
<!ENTITY % document-hdr "type,
sequence,
filename,
description?" >
```

```
<!ENTITY % footnotes " f1| f2| f3| f4| f5| f6| f7| f8|
f9|f10|f11|f12|f13|f14|f15|f16|f17|f18|f19|f20|f21|f22|f23|f24|f25|f26|f27|f28|f29|f30|f31|f32|f33
|f34|f35|f36|f37|f38|f39|f40|f41|f42|f43|f44|f45|f46|f47|f48|f49|f50|f51|f52|f53|f54|f55|f56|f57|f
58|f59|f60|f61|f62|f63|f64|f65|f66|f67|f68|f69|f70|f71|f72|f73|f74|f75|f76|f77|f78|f79|f80|f81|f8
2|f83|f84|f85|f86|f87|f88|f89|f90|f91|f92|f93|f94|f95|f96|f97|f98|f99 " >
```

```
<!ENTITY % hilites " table | page | %footnotes; ">
```

```
<!ENTITY % text "#PCDATA | %hilites; " >
```

```
<!--
```

```
!=====
! ELEMENT DECLARATIONS
!=====
```

```
-->
```

<!-- NOTE: The "deletion" element is defined for use within the following three tag nests:

- 1) "submission",
- 2) "filer,filed-by, subject-company, reporting-owner, issuer, or serial-company" and
- 3) "filing-values", to accommodate all possible dissemination stream (files).

However, within any SGML document instance, "deletion" will be used in no more than 1 of these three tags nests.

```
-->
```

C-4

|                    |             |              |
|--------------------|-------------|--------------|
| <!-- Elem. NAME(S) | MIN CONTENT | (EXCEPTIONS) |
| Attr. ELEMENT(S)   | NAME VALUE  | DEFAULT -->  |

```
<!ELEMENT submission - - (%subm-front;,
(%registrants;),
is-filer-a-new-registrant?,
is-filer-a-well-known-seasoned-issuer?,
filed-pursuant-to-general-instruction-a2?,
is-fund-24f2-eligible?,
document+ ) >
```

```
<!-- Submission front matter definitions -->
```

```
<!ELEMENT correction - o EMPTY >
<!ELEMENT timestamp - o (#PCDATA) >
<!ELEMENT paper - o EMPTY >
<!ELEMENT private-to-public - o EMPTY >
<!ELEMENT accession-number - o (#PCDATA) >
<!ELEMENT deletion - o EMPTY >
<!ELEMENT type - o (#PCDATA) >
<!ELEMENT confirming-copy - o EMPTY >
<!ELEMENT public-document-count - o (#PCDATA) >
<!ELEMENT (references-429,
reference-462B,
period,
items, filing-
date,
date-of-filing-date-change,
action-date,
received-date,
effectiveness-date,
group-members, abs-
rule,
securitizer-file-number,
registered-entity,
abs-asset-class) - o (#PCDATA) >
```

```
<!-- Submission definitions -->
```

```
<!ELEMENT is-filer-a-new-registrant - o (#PCDATA) >
<!ELEMENT is-filer-a-well-known-seasoned-issuer - o (#PCDATA) >
<!ELEMENT filed-pursuant-to-general-instruction-a2 - o (#PCDATA) >
<!ELEMENT is-fund-24f2-eligible - o (#PCDATA) >
```

```
<!-- Registrants definitions -->
```

```
<!ELEMENT (filer,
filed-by,
```



```
serial-company,  
subject-company,  
reporting-owner,  
issuer,  
filed-for)      - - (%regist-data;) >
```

<!-- Registrant data definitions -->

<!ELEMENT company-data | owner-data - - (%cmpy-data;) >

<!ELEMENT filing-values - - (%filing-vals;) >

<!ELEMENT business-address - - (%address;, phone?) >

C-5

<!ELEMENT mail-address - - (%address;) >

<!ELEMENT former-company | former-name - - (%former-data;) >

<!-- Company data (cmpy-data) definitions -->

<!ELEMENT (conformed-name,  
cik,  
assigned-sic,  
relationship,  
irs-number,  
state-of-incorporation,  
fiscal-year-end) - o (#PCDATA) >

<!-- Filing values (filing-vals) definitions -->

<!ELEMENT (form-type,  
act,  
file-number,  
film-number) - o (#PCDATA) >

<!-- Address information definitions -->

<!ELEMENT (street1,  
street2,  
city,  
state,  
zip,  
phone) - o (#PCDATA) >

<!-- Former company definitions -->

```

<!ELEMENT (former-conformed-name,
          date-changed) - o (#PCDATA) >

<!ELEMENT public-reference-acc - o (#PCDATA) >

<!--Series and Classes (Contracts) definitions -->

<!ELEMENT series-and-classes-contracts-data -- (new-series-and-classes-contracts?;, existing-
series-and-classes-contracts?;, merger-series-and-classes-contracts?;) >
<!ELEMENT new-series-and-classes-contracts -- (owner-cik, new-series*;, new-classes-
contracts*;) >
<!ELEMENT existing-series-and-classes-contracts -- (owner-cik, series*;) >
<!ELEMENT merger-series-and-classes-contracts -- (merger*;) >
<!ELEMENT new-series -- (series-id, series-name, class-contract*;) >
<!ELEMENT new-classes-contracts -- (series-id, series-name, class-contract*;) >
<!ELEMENT class-contract -- (class-contract-id, class-contract-name, class-contract-ticker-
symbol?) >
<!ELEMENT series -- (series-id, series-name, class-contract*;) >
<!ELEMENT merger -- (acquiring-data;, target-data*;) >
<!ELEMENT acquiring-data -- (cik, series;) >
<!ELEMENT target-data -- (cik, series*;) >

<!ELEMENT (owner-cik,
series-id,
series-name, class-
contract-id,
class-contract-name,
class-contract-ticker-symbol) - o (#PCDATA) >

<!-- Document header definitions -->

<!ELEMENT document - - (%document-hdr; , text)>

<!ELEMENT ( sequence, description) - o (#PCDATA) >

<!-- Document body (text) definitions -->

<!ELEMENT text - - (%text;)+ >

<!ELEMENT (pdf, xml, xbrl) - o EMPTY >

```

C-6

```
<!ELEMENT table - - ( (#PCDATA |
    page |
    caption |
    s |
    c |
    %footnotes;|
    fn )+ )
-(table) >
```

```
<!ELEMENT (caption,
    s,
    c,
    fn) - o (#PCDATA) >
<!ELEMENT (%footnotes;) - o EMPTY >
<!ELEMENT page - o EMPTY >
]>
```

### 3.5 EDGAR Dissemination Notices

The Subscribers may contact Attain LLC to receive a copy of the Dissemination feed updates.

## 4. ACRONYMS

| Acronym | Definition   |
|---------|--|
| ADC     | Alternate Data Center                              |
| BOB     | Beginning of Business                              |
| COB     | Close of Business                                  |
| COTS    | Commercial Off-the-Shelf                           |
| CSU     | Channel Service Unit                               |
| DCN     | Document Control Number                            |
| DR      | Disaster Recovery                                  |
| DRS     | Dissemination Receipt Server                       |
| DSU     | Date Service Unit                                  |
| DTD     | Document Type Definition                           |
| EDGAR   | Electronic Data Gathering, Analysis, and Retrieval |
| EOD     | End-Of-Day   |
| ET      | Eastern Time                                       |
| JS      | JavaScript   |
| HTML    | HyerText Markup Language                           |
| HTTPS   | Hyper Text Transfer Protocol Secure                |
| GIF     | Graphical Interface Format                         |
| IP      | Internet Protocol                                  |
| N-SAR   | Investment Company's Semi-Annual Report            |
| OS      | Operating System                                   |
| PAC     | Post-Acceptance Corrections                        |
| PDF     | Portable Document Format                           |
| PDS     | Public Dissemination Service                       |
| PNG     | Portable Network Graphics                          |
| POC     | Point of Contact                                   |
| SEC     | Securities and Exchange Commission                 |
| SGML    | Standard Generalized Markup Language               |
| TCP     | Transmission Control Protocol                      |
| XBRL    | eXtensible Business Reporting Language             |
| XML     | Extensible Markup Language                         |