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EDGAR®

ELECTRONIC DATA GATHERING, ANALYSIS, AND RETRIEVAL

EDGAR®
Public Dissemination
Service Technical
Specification

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1.0 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 immediately disseminated to all interested parties (subscribers) external to the SEC EDGAR network. A remote EDGAR Public Dissemination Service (PDS) receives a direct feed from the EDGAR Host and initiates the real-time dissemination to subscribers. 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.

Keane Federal Systems, Inc. is the primary contractor in support of the development of the SEC's EDGAR System. The original PDS was developed in 1992 and on February 1, 2007, Keane Federal Systems, Inc. assumed full responsibility for support of EDGAR PDS.

EDGAR accepts and disseminates 2000-4,000 live public submissions per day during non-peak periods and 4,000-12,000 live submissions per day during peak periods[1]. During these "high-activity" periods, EDGAR may receive up to 250-300 MB of live, public data in one hour or up to 2 GB of data in a single business day. Disseminated submissions may be as small as 1 KB or as large as 100 MB, depending on their purpose, and contain only public documents[2]. The average submission size is around 115 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.

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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[1] There are several peak submission periods throughout the calendar year, including the following:
- Four 10-Q peaks (40-45 days after the 1st – 4th 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*, for more information on peak submission periods.
[2] 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 internet site. The acceptance and dissemination process usually takes no longer than two (2) minutes from the receipt of submission by EDGAR.

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

2.0 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*[3]

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[4] 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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[3] [ACCESSION-NUMBER] has the following format: ##########-YY-SSSSSS, 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 SSSSSS is the sequence number (up to 6 digits, left-padded by zeros) of the submission within the year it was filed.
[4] 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 421electronic 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 3.0 EDGAR Public Submission Types for a complete listing of all active form types accepted by EDGAR. See 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, http://www.sec.gov, and go to the EDGAR information page (http://www.sec.gov/info/edgar/forms/edgform.htm)).

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[5]. 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 0000000000-05-00012306101515.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 website. Please see http://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 & *.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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[5] 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	256 bytes
<SUBMISSION>…. Submission SGML header information	Various length

<DOCUMENT>
<TYPE> ……
 	
      Document #1 text
</DOCUMENT>
<DOCUMENT>
<TYPE>…...
 	
      Document #2 text
</DOCUMENT>
…Repeated for all documents attached to submission
	Various length

</SUBMISSION>	13 chars + EOF

Publicly disseminated paper submissions (*.paper):

Section	Length
Control Block	256 bytes
<SUBMISSION>…. Submission SGML header information	Various length
<DOCUMENT> <TYPE> …… 1 Document stub (containing DCN only) </DOCUMENT>	Various length
</SUBMISSION>	13 chars + EOF

Public-Ready Disseminations (*.pr):

Section	Length
Control Block	256 bytes
<SUBMISSION> <TIMESTAMP>… <PRIVATE-TO-PUBLIC>…. … Correction SGML header info…. <FILED-FOR> <PUBLIC-REFERENCE-ACC> {Required only for UPLOAD}	Various length
<DOCUMENT> {Optional, used to transfer Document types}	Various length
</SUBMISSION>	13 chars + EOF

Post-Acceptance corrections (*.pc):

Section	Length
Control Block	256 bytes
<SUBMISSION> <CORRECTION>…. <TIMESTAMP>… SGML header info … <DELETION> {OPTIONAL, if original submission is being deleted by the SEC}	Various length
<DOCUMENT> {Optional, used to transfer Document types}	Various length
</SUBMISSION>	13 chars + EOF

Daily Audit file (dissem_*.EOD):

Section	Length
Submission name (*.dissem or *.pc); repeated for each disseminated submission for that day.	Up to 31 characters + CR/LF for each submission

2.1 Control Block

The control block is a 256-byte block that identifies the associated submission and provides key information about the submission. There are fourteen (14) fields contained within the control block, each of which is blank-padded. The fields are described in the following table in their exact order:

Field	Size (bytes)	Description
Accession Number	20	EDGAR accession number
Submission Type	10	Form type of the submission
Submission Company Name	60	Conformed submission company name
Subject Company Name	60	Conformed subject company name
Receipt Date	8	Date the submission was received by EDGAR. Format is YYYYMMDD.
Acceptance Date	8	Date the submission was accepted by EDGAR. Format is YYYYMMDD.
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

Field	Size (bytes)	Description
SRO Distribution List	4	[OBE, Unused]
Reserved	65	Unused, Blank-filled

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 (*.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. The EDGAR Filer Manual can be downloaded from the SEC's Public Website at http://www.sec.gov/info/edgar.shtml.

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 Keane Federal Systems, Inc. XML Technical Specifications can be downloaded from the SEC's Public Website at http://www.sec.gov/info/edgar.shtml.

2.3.5 XBRL (*.xml and *.xsd)

Since March 2005, the SEC has established an XBRL pilot period, during which volunteer filers may submit unofficial structured financial reporting information in XBRL format. These documents, formally known as EX-100.* attachments, may have *.xml with or without an *.xsd file. These documents may be attached to any submission but are not to be considered part of the official filing. See the EDGAR Filer Manual Volume II section entitled "Unofficial XBRL" for information regarding the preparation of XBRL formatted submissions.

2.3.6 PDF (*.pdf)

EDGAR supports fillings 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 http://www.sec.gov/info/edgar.shtml.

3.0 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, http://www.sec.gov/info/edgar/forms/edgform.htm.

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-99.

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].

EX-100.* [This is an unofficial XBRL attachment, with a filename extension of either *.xml or *.xsd].

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 4.3 EDGAR Header and Document Tag Definitions.

3.2.1 Symbology

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.

3.2.2 Submission Header Tag Elements

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

Symbol	Field	SGML Tag
	PUBLIC DOCUMENT COUNT	<PUBLIC-DOCUMENT-COUNT>
?	REFERENCE 462B	<REFERENCE-462B>
*	REFERENCES 429	<REFERENCES-429>
?	PERIOD OF REPORT	<PERIOD>
*	ITEM INFORMATION	<ITEMS>
	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>
*	GROUP MEMBERS	<GROUP-MEMBERS>
?	ABS RULE	<ABS-RULE>
?	SECURITIZER FILE NUMBER	<SECURITIZER-FILE-NUMBER>
?	SERIAL NUMBER	<SERIAL-NUMBER>
?	REGISTERED ENTITY	<REGISTERED-ENTITY>
?	ABS ASSET CLASS	<ABS-ASSET-CLASS>
1+	FILER	<FILER>
?	DELETION	<DELETION>
	COMPANY DATA	<COMPANY-DATA>
	COMPANY CONFORMED NAME	<CONFORMED-NAME>
	CIK	<CIK>
	SIC	<ASSIGNED-SIC>
	RELATIONSHIP	<RELATIONSHIP>
?	IRS NUMBER	<IRS-NUMBER>
?	STATE OF INCORPORATION	<STATE-OF-INCORPORATION>
?	FISCAL YEAR END	<FISCAL-YEAR-END>
	END COMPANY DATA	</COMPANY-DATA>

Symbol	Field	SGML Tag
	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>

Symbol	Field	SGML Tag
	END FORMER COMPANY	</FORMER-COMPANY>
	END FILER	</FILER>
1	FILED BY	<FILED-BY>
?	DELETION	<DELETION>
	COMPANY DATA	<COMPANY-DATA>
	COMPANY CONFORMED NAME	<CONFORMED-NAME>
	CIK	<CIK>
	SIC	<ASSIGNED-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>

Symbol	Field	SGML Tag
?	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>
?	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>

Symbol	Field	SGML Tag
?	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>

Symbol	Field	SGML Tag
	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>
?	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>

Symbol	Field	SGML Tag
?	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>
?	STATE OF INCORPORATION	<STATE-OF-INCORPORATION>
?	FISCAL YEAR END	<FISCAL-YEAR-END>

Symbol	Field	SGML Tag
	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>

Symbol	Field	SGML Tag
	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>
?	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>

Symbol	Field	SGML Tag
?	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>
?	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>

Symbol	Field	SGML Tag
	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>

Symbol	Field	SGML Tag
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>
	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 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>

Symbol	Field	SGML Tag
	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>

Symbol	Field	SGML Tag
	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>

3.2.3 Document Header Tag Elements

Symbol	Field	SGML Tag
+	DOCUMENT	<DOCUMENT>
	CONFORMED DOCUMENT TYPE	<TYPE>
	DOCUMENT SEQUENCE	<SEQUENCE>

Symbol	Field	SGML Tag
	DOCUMENT FILENAME	<FILENAME>
?	DESCRIPTION	<DESCRIPTION>
	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>

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

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: 10

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: 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.

LENGTH: 3

END TAG: NA

CHARACTERISTIC: Numeric

LIMITS: 001-999

FORMAT: NA

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:	ITEM INFORMATION
TAG:	<ITEMS>
DESCRIPTION:	Identifies 1 or more items declared in 8-K filings. Optional & Repeatable.
LENGTH:	4
END TAG:	NA
CHARACTERISTIC:	Alpha-Numeric
LIMITS:	NA
FORMAT:	#.##

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 RULE
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:	SECURITIZER FILE NUMBER
TAG:	<SECURITIZER-FILE-NUMBER>
DESCRIPTION:	This element specifies the File Number of the securitizer. Optional.
LENGTH:	17
END TAG:	</SECURITIZER-FILE-NUMBER>
CHARACTERISTIC:	Alphanumeric
LIMITS:	NA
FORMAT:	###-#####[#][-XX[X][X]] where # is a number, [] is optional, and X is alphanumeric.

DATA ELEMENT:	SERIAL-NUMBER
TAG:	<SERIAL-NUMBER>
DESCRIPTION:	This element specifies the serial file number if RULE-15GA2 is selected for the submission. Optional.
LENGTH:	17
END TAG:	</SERIAL-NUMBER>
CHARACTERISTIC:	Alphanumeric

LIMITS: NA

FORMAT: ###-#####[#][-XX[X][X]] where # is a number, [] is optional, and X is
                   alphanumeric.

DATA ELEMENT: REGISTERED ENTITY

TAG: <REGISTERED-ENTITY>

DESCRIPTION: This element identifies if the submission reports a registered issuer under Item
                   2.02. Optional.

LENGTH: 1

END TAG: </REGISTERED-ENTITY>

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: 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: 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: RELATIONSHIP
TAG: <RELATIONSHIP>

DESCRIPTION: Identifies the filer's relationship with the company, eg, 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

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:	32
END TAG:	NA
CHARACTERISTIC:	Alpha-Numeric
LIMITS:	NA

FORMAT: NA

DATA ELEMENT: DOCUMENT DESCRIPTION
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: 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      "ISO 646-1983//CHARSET International
                          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       "ISO 8879-1986//CAPACITY Reference//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  2425 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     "-.&"
             UCNMCHAR     "-.&"
             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  SUBDOC  NO   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?,
         serial-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;),
                                 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,
       serial-number,
       registered-entity,
       abs-asset-class)       - 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 Keane Federal Systems Inc to receive a copy of the Dissemination feed updates.

4.0 ACRONYMS

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

EST   Eastern Standard Time

HTTP   Hyper Text Transfer Protocol

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

POC   Point of Contact

SEC   Securities and Exchange Commission

SGML   Standard Generalized Markup Language

TCP   Transmission Control Protocol