Filing Fee XBRL Exhibit Public Test Suite

Version 00d-230926

1   Goals

The purpose of the public test suite is to assist developers of software that must validate Interactive Data prior to its submission to EDGAR. The test suite consists of many small Interactive Data instances, schemas and linkbases that are categorized as to whether they violate a validation check, and if so, what validation check they violate and whether that would be resulting a warning, or in an error that would cause the Interactive Data to be rejected.

Filers that attach Filing Fee Exhibits to EDGAR submissions are responsible for compliance with all validations in Filing Fee Inline XBRL Guide. Automated validation by preparation software can make it more efficient for filers to verify compliance before sending their filings to EDGAR itself. Nothing in this test suite is intended to create new requirements or change existing requirements for EDGAR submissions; filers should consult the Commission rules and the Filing Fee Inline XBRL Guide for submission requirements.

The organization of the test suite follows that of the Filing Fee Inline XBRL Guide. The Filing Inline XBRL Guide contains chapters pertaining to the appliable table for a Filing Fee Inline XBRL exhibit. Each chapter contains sections pertaining to the rules or elements that are being validated. The tests available in the test suite follow a similar hierarchy of Table → Rule → Element.

2   Notation

In this document, path names use forward slashes, although the tests work on any operating system.

3   Versions

The major version number "00d" refers to a specific version of Manual (draft or otherwise) and the minor version number "230926" is the date of the minor version, formatted as YYMMDD.

4   Installation

The suite is distributed as a zip format archive. Extract the entire contents to any convenient location, preserving folder paths.

All files are encoded as 8-Bit Universal Transmission Format (UTF-8) or US ASCII. The suffix ".xsd" indicates an XML Schema file, ".xsl" indicates an XML Style Sheet (XSL) and suffix ".xml" indicates any other XML file type.

There are no executables in the zip format archive.

5   Test Cases

A testcase file is an XML file used by software developers. The file names sets of files to be processed together and the expected results of that processing. The testcase XML file contains all the variations pertaining to a test case. Each variation contains its own description, htm file and expected validation errors.

All testcases and their test files are in the "conf" folder. The testcases are grouped by the chapter, section, and sub-section from the Filing Fee Inline XBRL Guide. For example:

- Section 3.2.1 = Folder ft-300-offeringTable/02-Rule457(o)/01-PrevslyPdFlg

- Section 4.2.2 = Folder ft-400-offsetTable/02-Rule0-11(a)(2)/02-OffsetPrrFilerNm

Within each subsection folders, you will find a testcase xml file containing all the variations for this testcase.

- Section 3.2.1 = Folder ft-300-offeringTable/02-Rule457(o)/01-PrevslyPdFlg/01-PrevslyPdFlg-testcase.xml

This version of the test suite contains an exception to the testcases structure. EFM section 5.2.5 "Inline XBRL Documents" describes the handling of submissions containing more than one Inline XBRL Document Set (IXDS). Instead of the usual testcase XML file with the syntax detailed below, the 5.2.5 tests with multiple IXDS's are provided with a shell script for executing the tests, in place of the usual testcase XML file. These tests are located here: conf/000-multiinstance.

5.1   Required elements <creator>, <name> and <email>

These elements name the party responsible for the testcase, which for this test suite is always the Office of Structured Disclosure (OSD) at the SEC.

5.2   Required element <number>

This is the Filing Fee Inline XBRL Guide sub-section in {chapter}.{section}.{sub-section} format.

5.3   Required element <name>

This is the name of the element being tested.

5.4   Required element <description>

This element will match the name element above. It is the name of the element being tested.

5.5   The <variation> element

Each test case contains one or more variations. Each variation exposes just one aspect of the validation to be performed: either a "no good" variation that is meant to trigger exactly one validation error, or sometimes a "good" variation that is meant to illustrate either the base case or an edge case.

Each directory within the subsection folder is a variation directory. These directories are named according to the expected test result. The last 2 letters of the directory name indicate the expected outcome of the testcase.

- 0001gw = gw stands for good with warning. This is a test case that will be accepted but will throw a validation warning because it violates one of the validations set forth in the Filing Fee Inline XBRL Guide.

- 0001ng = ng stands for not good. This is a test case that will not be accepted because it violates one of the validation rules that will result in an error.

- 0001gd = gd stands for good. These test cases will not result in any validation warnings and will be accepted.

5.6   Required attribute @id of <variation>

By convention, this is in the format "[0-9]{4}((gd)|(ng)|(gw))" in which "gd" always indicates a good (valid) variation, "ng" indicates a no good (invalid or triggering an error) variation and "gw" indicates that this variation is good with warning. A "gw" variation is intended as an example of a submission, which will be accepted with warnings, where a "ng" type submission with be suspended (not accepted).

5.7 Required element <description> of <variation>

This contains free form plain text; it contains additional details about what the variation is testing.

5.8 Required element <data> of <variation>

The data element groups the Interactive Data files in the variation. This has instances, linkbases, and schemas. Although in principle the set of local files in the Discoverable Taxonomy Set (DTS) of the instance is discoverable from the instance, the testcase files also serve as a kind of manifest to ensure a set of files is complete without extraneous content.

The DTS is described in detail along with other XBRL constructs in the XBRL 2.1 Specification at:

http://www.xbrl.org/Specification/XBRL-2.1/REC-2003-12-31/XBRL-2.1-REC-2003-12-31+corrected-errata-2013-02-20.html

5.8.1 Optional repeating element <parameter> of <data>

Sometimes, validation requires an external input. For example, EDGAR uses the Central Index Key (CIK) number to identify filers.

For example, variations in the ft-300-offeringTable\01-Rule457(a)\08-FeeRate test case will require a FeeRate to be specified in the ELOParams parameter.

5.8.2 Required attribute @name of

A QName that is the name of the parameter. In this test suite the QName content must have the empty namespace.

5.8.3 Required attribute @datatype of

A QName that is the datatype of the parameter, usually xs:string.

5.8.4 Required attribute @value

A string that is cast to the datatype specified and passed to the validator.

5.8.5 Parameter names, types and values currently in use

@name	@datatype	Sample value

ELOParams	xs:string (JSON object)	{
		"submissionType": "F-3ASR",
		"attachmentDocumentType": "EX-FILING FEES",
		"feeRate": "0.0001102"
		}

The ELOParams parameter is required for all test cases. Specifically, we must include the submissionType and attachmentDocumentType to indicate which submission type we are testing and the document type as EX-FILING FEES.

5.9 Optional repeating element <primary>

The file name of a non-image file type unrelated to XBRL. Its file name may be any EDGAR compliant file name ending in .txt, .htm, or .pdf, and it is meant to indicate that the file is the primary document of an EDGAR submission.

5.10 Required element <instance>

The local file name of the instance must be an EDGAR compliant file name (less than 24 characters, etc.). By convention the name is formatted as:

EXFILINGFEES.htm

The attribute @readMeFirst must be "true". This attribute indicates to a test script that it is the instance file that is first opened by the validator being tested.

5.11 Required element <result>

For a "no good" variation the result element contains at least one <error> element.

For a "good" variation the result element will not contain <error> element.

For a "good with warnings" variation the result element will contain at least one <error> element.

5.11.1 Optional attribute @expected of <result>

When the expected result is to be valid with no warnings or other messages, the @expected attribute may have the value "value".

5.12 Optional repeating element <error>

The error element contains text indicating the expect validation code that a variation will produce.

6 Contacts

Developers with questions, bug reports, or suggestions for additional variations to improve coverage should contact StructuredData (at) sec.gov.

The SEC cannot guarantee a response to every communication. Before sending a bug report, check for the latest version and check the Interactive Data FAQ (https://www.sec.gov/structureddata/FAQs).

7 Change Log

Version	Changes
00d-230926	First draft version of Filing Fee Inline XBRL exhibit conformance test suite