



Guide to Schematron Rules and Patterns

ISM Schematron Guide

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Chapter 1 - Introduction

1.1 - Purpose

This is an informative supplement for ISM. This guide is generated from the ISM Schematron rules and provides a consolidated reference for the business rules of this specification.

1.2 - Overview

Chapter 2 is a listing of all the numbered rules in ISM. For each rule, there is a rule description, a code description, and a code block with the Schematron rule.

Chapter 3 is a listing of abstract patterns used in ISM. The abstract patterns may be used in numbered rules or provided as reference for use in rules developed by users of ISM. Each abstract pattern has a code description and a code block with the abstract Schematron pattern.

Chapter 4 is a listing of the master ISM Schematron file with all of the imports of rules and patterns. Many of the rules and patterns listed in Chapters 3 and 4 rely on functions and variables defined in the master file.

Chapter 5 is a listing of rules that have been deleted.

1.3 - Schematron

The business rules for ISM are encoded using ISO Schematron. Schematron is a rule-based validation language that uses XML Path Language to make assertions about an XML document.

ISM uses the XSLT 2.0 implementation of Schematron by Rick Jelliffe (2010-04-14) as its reference implementation. The only available identifying descriptors for this implementation are the implementer's name and date of release. This implementation may be found at the following URL: <http://code.google.com/p/schematron/>.



Important

The Schematron rules in this specification use XSLT 2.0 query binding.

1.4 - Conformance

This guide is informative. The Schematron rules listed here are normative in the sense that they convey criteria that a document **MUST** adhere to, exactly as English may be used to convey normative criteria. It is not necessary for implementers to use the specific Schematron encoding in this specification. Implementers **MAY** use any encodings, tools, or languages desired to implement validation schemes for conformance to this specification. However, to conform to the specification, validation schemes **MUST** match the behavior of the reference Schematron implementation. That is, a validator **MUST** find a document valid *if and only if* the reference Schematron implementation would find the document valid according to ISM's Schematron rules.

Chapter 2 - Rules

All of the numbered Rules for ISM are listed in this section. These rules may depend on patterns defined in the Abstract Patterns section or on variables defined in the Schematron Schema section.

Rules identifiers are all of the format ISM-ID-XXXXX, with rule files named ISM_ID_XXXXX.sch. Any other heading indicates a supporting file that may influence a rule but is not actually a numbered rule.

2.1 - ../Rules/general/ISM_ID_00002.sch

Rule Description

[ISM-ID-00002][Error] For every attribute in the ISM namespace that is used in a document a non-null value must be present.

Code Description

For each element which defines an attribute in the ISM namespace, This rule ensures that each attribute in the ISM namespace is specified with a non-whitespace value.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00002">
    <sch:rule id="ISM-ID-00002-R1" context="*[@ism:*)>
        <sch:assert test="every $attribute in @ism:* satisfies normalize-space(string($attribute))"
            flag="error"
            role="error">[ISM-ID-00002][Error] For every attribute that is used in a document a non-null value must be present.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.2 - ../Rules/general/ISM_ID_00012.sch

Rule Description

[ISM-ID-00012][Error] If any of the attributes defined in this DES other than DESVersion, ISMCATCESVersion, unregisteredNoticeType, or pocType are specified for an element, then attributes classification and ownerProducer must be specified for the element.

Code Description

For each element which defines an attribute in the ISM namespace other than ism:pocType, ism:DESVersion, ism:ISMCATCESVersion, or ism:unregisteredNoticeType, this rule ensures that attributes ism:classification and ism:ownerProducer are specified.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00012">
    <sch:rule id="ISM-ID-00012-R1"
        context="*[@ism:* except (@ism:pocType | @ism:DESVersion | @ism:unregisteredNoticeType | @ism:ISMCATCESVersion)]">
        <sch:assert test="@ism:ownerProducer and @ism:classification"
            flag="error"
            role="error">[ISM-ID-00012][Error] If any of the attributes defined in this DES other than ISMCATCESVersion, DESVersion, unregisteredNoticeType, or pocType
are specified for an element, then attributes classification and ownerProducer must be specified for the element.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.3 - ./Rules/USGov/ISM_ID_00014.sch

Rule Description

[ISM-ID-00014][Error] If ISM_NSI_EO_APPLIES then one or more of the following attributes: declassDate, declassEvent, or declassException must be specified on the ISM_RESOURCE_ELEMENT. Human Readable: Documents under E.O. 13526 must have declassification instructions included in the classification authority block information.

Code Description

If ISM_NSI_EO_APPLIES, this rule ensures that the ISM_RESOURCE_ELEMENT specifies one of the following attributes: ism:declassDate, ism:declassEvent, ism:declassException.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00014">
    <sch:rule id="ISM-ID-00014-R1"
        context="*[$ISM_NSI_EO_APPLIES and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)]">
        <sch:assert test="@ism:declassDate or @ism:declassEvent or @ism:declassException"
            flag="error"
            role="error">[ISM-ID-00014][Error] If ISM_NSI_EO_APPLIES then one or more of the following attributes: declassDate, declassEvent, or declassException must
be specified on the ISM_RESOURCE_ELEMENT. Human Readable: Documents under E.O. 13526 must have declassification instructions included in the classification authority block information.</
sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.4 - ../Rules/USGov/ISM_ID_00016.sch

Rule Description

[ISM-ID-00016][Error] If ISM_USGOV_RESOURCE and attribute classification has a value of [U], then attributes classificationReason, classifiedBy, derivativelyClassifiedBy, declassDate, declassEvent, declassException, derivedFrom, SARIdentifier, or SCIcontrols must not be specified.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which has attribute ism:classification specified with a value of [U] this rule ensures that NONE of the following attributes are specified: ism:classifiedBy, ism:declassDate, ism:declassEvent, ism:declassException, ism:derivativelyClassifiedBy, ism:derivedFrom, ism:SARIdentifier, or ism:SCIcontrols.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00016">
    <sch:rule id="ISM-ID-00016-R1"
        context="*[$ISM_USGOV_RESOURCE and @ism:classification='U']">
        <sch:assert test="not( @ism:classificationReason or @ism:classifiedBy or @ism:declassDate or @ism:declassEvent or @ism:declassException or @ism:derivativelyClassifiedBy
or @ism:derivedFrom or @ism:SARIdentifier or @ism:SCIcontrols )"
            flag="error"
            role="error">[ISM-ID-00016][Error] If ISM_USGOV_RESOURCE and attribute classification has a value of [U], then attributes classificationReason,
classifiedBy, derivativelyClassifiedBy, declassDate, declassEvent, declassException, derivedFrom, SARIdentifier, or SCIcontrols must not be specified.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.5 - ../Rules/USGov/ISM_ID_00017.sch

Rule Description

[ISM-ID-00017][Error] If ISM_NSI_EO_APPLIES and attribute classifiedBy is specified, then attribute classificationReason must be specified. Human Readable: Documents under E.O. 13526 containing Originally Classified data require a classification reason to be identified.

Code Description

If ISM_NSI_EO_APPLIES, for each element which specifies attribute ism:classifiedBy, this rule ensures that attribute ism:classificationReason is specified.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00017">
    <sch:rule id="ISM-ID-00017-R1"
        context="*[$ISM_NSI_EO_APPLIES and @ism:classifiedBy]">
        <sch:assert test="@ism:classificationReason" flag="error" role="error">[ISM-ID-00017][Error] If ISM_NSI_EO_APPLIES and attribute classifiedBy is specified, then
attribute classificationReason must be specified. Human Readable: Documents under E.O. 13526 containing Originally Classified data require a classification reason to be identified.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.6 - ../Rules/USGov/ISM_ID_00026.sch

Rule Description

[ISM-ID-00026][Error] If ISM_USGOV_RESOURCE and attribute disseminationControls is specified, then each of its values must be ordered in accordance with CVEnumISMDissem.xml.

Code Description

This rule uses an abstract pattern to consolidate logic. It verifies that the attribute ism:\$attrLocalName has values in the same order as the list \$cveTermList, which is defined in the main schematron file, ISM_XML.sch.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00026" is-a="ValuesOrderedAccordingToCve">
    <sch:param name="attrLocalName" value="disseminationControls"/>
    <sch:param name="attrValueTokens"
        value="tokenize(normalize-space(string(@ism:disseminationControls)), ' ')" />
    <sch:param name="cveTermList" value="$disseminationControlsList" />
    <sch:param name="errorMessage"
        value="' [ISM-ID-00026][Error] If ISM_USGOV_RESOURCE and attribute disseminationControls is specified, then each of its values must be ordered in accordance
with CVEnumISMDissem.xml. '" />
</sch:pattern>
```

2.7 - ../Rules/USGov/ISM_ID_00028.sch

Rule Description

[ISM-ID-00028][Error] If ISM_USGOV_RESOURCE and attribute disseminationControls contains the name token [OC] or [EYES], then attribute classification must have a value of [TS], [S], or [C]. Human Readable: Portions marked for ORCON or EYES ONLY dissemination in a USA document must be CONFIDENTIAL, SECRET, or TOP SECRET.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [OC] or [EYES] this rule ensures that attribute ism:classification is specified with a value of [C], [S], or [TS].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00028">
    <sch:rule id="ISM-ID-00028-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC', 'EYES'))]">
        <sch:assert test="@ism:classification=('TS', 'S', 'C')"
            flag="error"
            role="error">[ISM-ID-00028][Error] If ISM_USGOV_RESOURCE and attribute disseminationControls contains the name token [OC] or [EYES], then attribute
classification must have a value of [TS], [S], or [C]. Human Readable: Portions marked for ORCON or EYES ONLY dissemination in a USA document must be CONFIDENTIAL, SECRET, or TOP SECRET.</
sch:assert>
    </sch:rule>
</sch:pattern>
```

2.8 - ../Rules/USGov/ISM_ID_00030.sch

Rule Description

[ISM-ID-00030][Error] If ISM_USGOV_RESOURCE and attribute disseminationControls contains the name token [FOUO], then attribute classification must have a value of [U]. Human Readable: Portions marked for FOUO dissemination in a USA document must be classified UNCLASSIFIED.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [FOUO] this rule ensures that attribute ism:classification is specified with a value of [U].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00030">
    <sch:rule id="ISM-ID-00030-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('FOUO'))]">
        <sch:assert test="@ism:classification='U'" flag="error" role="error">[ISM-ID-00030][Error] If ISM_USGOV_RESOURCE and attribute disseminationControls contains the name
token [FOUO], then attribute classification must have a value of [U]. Human Readable: Portions marked for FOUO dissemination in a USA document must be classified UNCLASSIFIED.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.9 - ../Rules/USGov/ISM_ID_00031.sch

Rule Description

[ISM-ID-00031][Error] If ISM_USGOV_RESOURCE and attribute disseminationControls contains the name token [REL] or [EYES], then attribute releasableTo must be specified. Human Readable: USA documents containing REL TO or EYES ONLY dissemination must specify to which countries the document is releasable.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [REL] or [EYES] this rule ensures that attribute ism:releasableTo is specified.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00031">
    <sch:rule id="ISM-ID-00031-R1"
              context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('REL', 'EYES'))]">
        <sch:assert test="@ism:releasableTo" flag="error" role="error">[ISM-ID-00031][Error] If ISM_USGOV_RESOURCE and attribute disseminationControls contains the name token
[REL] or [EYES], then attribute releasableTo must be specified. Human Readable: USA documents containing REL TO or EYES ONLY dissemination must specify to which countries the document is
releasable.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.10 - ../Rules/USGov/ISM_ID_00032.sch

Rule Description

[ISM-ID-00032][Error] If ISM_USGOV_RESOURCE and attribute disseminationControls is not specified, or is specified and does not contain the name token [REL] or [EYES], then attribute releasableTo must not be specified. Human Readable: USA documents must only specify to which countries it is authorized for release if dissemination information contains REL TO or EYES ONLY data.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which does not specify attribute disseminationControls or specifies attribute ism:disseminationControls with a value containing the token [REL] or [EYES] this rule ensures that attribute ism:releasableTo is not specified.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00032">
    <sch:rule id="ISM-ID-00032-R1"
        context="*[$ISM_USGOV_RESOURCE and not(util:containsAnyOfTheTokens(@ism:disseminationControls, ('REL', 'EYES')))]">
        <sch:assert test="not(@ism:releasableTo)" flag="error" role="error">[ISM-ID-00032][Error] If ISM_USGOV_RESOURCE and attribute disseminationControls is not specified, or
is specified and does not contain the name token [REL] or [EYES], then attribute releasableTo must not be specified. Human Readable: USA documents must only specify to which countries it is
authorized for release if dissemination information contains REL TO or EYES ONLY data.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.11 - ../Rules/USGov/ISM_ID_00033.sch

Rule Description

[ISM-ID-00033][Error] If ISM_USGOV_RESOURCE, then tokens [REL], [EYES] and [NF] are mutually exclusive for attribute disseminationControls.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [REL], [EYES] or [NF], this rule ensures that attribute ism:disseminationControls is specified with a value containing only one of the tokens [REL], [EYES] or [NF].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00033" is-a="MutuallyExclusiveAttributeValues">
    <sch:param name="context"
        value="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('REL', 'EYES', 'NF'))]"/>
    <sch:param name="attrValue" value="@ism:disseminationControls"/>
    <sch:param name="mutuallyExclusiveTokenList" value="('REL', 'EYES', 'NF')"/>
    <sch:param name="errMsg"
        value="' [ISM-ID-00033][Error] If ISM_USGOV_RESOURCE, then tokens [REL], [EYES] and [NF] are mutually exclusive for attribute disseminationControls. '"/>
</sch:pattern>
```

2.12 - ../Rules/USGov/ISM_ID_00035.sch

Rule Description

[ISM-ID-00035][Error] If ISM_USGOV_RESOURCE and attribute nonICmarkings is specified and: 1. if values contribute to rollup, each of its values must be ordered in accordance with CVEnumISMNonIC.xml OR 2. if values do not contribute to rollup a. non-ACCM values must be ordered in accordance with CVEnumISMNonIC.xml b. ACCM values must be in alphabetical order.

Code Description

This rule uses an abstract pattern to consolidate logic. It verifies that the attribute ism:\$attrLocalName has values in the same order as the list \$cveTermList, which is defined in the main schematron file, ISM_XML.sch.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00035"
            is-a="ValuesOrderedAccordingToCveWhenContributesToRollupACCM">
  <sch:param name="attrLocalName" value="nonICmarkings"/>
  <sch:param name="cveTermList" value="$nonICmarkingsList"/>
  <sch:param name="contributesToRollup" value="util:contributesToRollup(.)"/>
  <sch:param name="attrValues"
            value="tokenize(normalize-space(string(@ism:nonICmarkings)), ' ')" />
  <sch:param name="nonACCMAttrValuesTok"
            value="tokenize(normalize-space(string(util:getStringFromSequenceWithoutRegexValues(tokenize(normalize-space(string(@ism:nonICmarkings)), ' '), $ACCMRegex))),
' ')" />

  <sch:param name="nonACCMCveTermListTok"
            value="tokenize(normalize-space(string(util:getStringFromSequenceWithoutRegexValues($nonICmarkingsList, $ACCMRegex))), ' ')" />
  <sch:param name="ACCMAttrValuesTok"
            value="tokenize(normalize-space(string(util:getStringFromSequenceWithOnlyRegexValues(tokenize(normalize-space(string(@ism:nonICmarkings)), ' '), $ACCMRegex))),
' ')" />

  <sch:param name="includedInRollUpErrorMessage"
            value="'[ISM-ID-00035][Error] If ISM_USGOV_RESOURCE and attribute nonICmarkings is specified and contributes to rollup, its values must be ordered in accordance
with CVEnumISMNonIC.xml.'"/>
  <sch:param name="excludedFromRollUpNonACCMErrorMessage"
            value="'[ISM-ID-00035][Error] If ISM_USGOV_RESOURCE and attribute nonICmarkings is specified but does not contribute to rollup, its non-ACCM values must be
ordered in accordance with CVEnumISMNonIC.xml.'"/>
  <sch:param name="excludedFromRollUpACCMErrorMessage"
            value="'[ISM-ID-00035][Error] If ISM_USGOV_RESOURCE and attribute nonICmarkings is specified but does not contribute to rollup, its ACCM values must be ordered
alphabetically.'"/>
  <sch:param name="excludedFromRollUpACCMRelativeLocationErrorMessage"
            value="'[ISM-ID-00035][Error] If ISM_USGOV_RESOURCE and attribute nonICmarkings is specified but does not contribute to rollup, its ACCM values should be in the
correct relative order to the non-ACCM values'"/>
</sch:pattern>
```

2.13 - ../Rules/USGov/ISM_ID_00037.sch

Rule Description

[ISM-ID-00037][Error] When ISM_USGOV_RESOURCE and @ism:nonICmarkings contains [SBU] or [SBU-NF] then @ism:classification must equal [U].

Human Readable: SBU and SBU-NF data must be marked UNCLASSIFIED on the banner in USA documents.

Code Description

For a resource element (@ism:resourceElement="true"), if @ism:compliesWith contains 'USGov' and @ism:nonICmarkings contains [SBU] or [SBU-NF] then @ism:classification must equal [U].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00037">
  <sch:rule id="ISM-ID-00037-R1"
    context="*[$ISM_USGOV_RESOURCE and @ism:resourceElement=true() and util:containsAnyOfTheTokens(@ism:nonICmarkings, ('SBU', 'SBU-NF'))]">
    <sch:assert test="@ism:classification='U'" flag="error" role="error">[ISM-ID-00037][Error] When ISM_USGOV_RESOURCE and @ism:nonICmarkings contains [SBU] or [SBU-NF]
then @ism:classification must equal [U].</sch:assert>
  </sch:rule>
</sch:pattern>
```

2.14 - ./Rules/USGov/ISM_ID_00038.sch

Rule Description

[ISM-ID-00038][Error] If ISM_USGOV_RESOURCE, then the tokens [XD], [ND], [SBU], and [SBU-NF] are mutually exclusive for attribute nonICmarkings. Human Readable: USA documents must not specify [XD], [ND], [SBU], and/or [SBU-NF] commingled on a single element.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE, for each element which has attribute ism:nonICmarkings specified with a value containing the token [XD], [ND], [SBU], or [SBU-NF] this rule ensures that attribute ism:nonICmarkings is not specified with a value containing more than one of the tokens [XD], [ND], [SBU], or [SBU-NF].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00038" is-a="MutuallyExclusiveAttributeValues">
    <sch:param name="context"
        value="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:nonICmarkings, ('XD', 'ND', 'SBU', 'SBU-NF'))]"/>
    <sch:param name="attrValue" value="@ism:nonICmarkings"/>
    <sch:param name="mutuallyExclusiveTokenList" value="('XD', 'ND', 'SBU', 'SBU-NF')"/>
    <sch:param name="errMsg"
        value="' [ISM-ID-00038][Error] If ISM_USGOV_RESOURCE, then the tokens [XD], [ND], [SBU], and [SBU-NF] are mutually exclusive for attribute nonICmarkings. Human
Readable: USA documents must not specify [XD], [ND], [SBU], and/or [SBU-NF] commingled on a single element. '"/>
</sch:pattern>
```

2.15 - ../Rules/USGov/ISM_ID_00040.sch

Rule Description

[ISM-ID-00040][Error] If ISM_USGOV_RESOURCE and attribute ownerProducer contains [USA] then attribute classification must have a value in CVEnumISMClassificationUS.xml.

Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM_XML.sch), which reads values from a specific CVE file.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00040" is-a="ValidateValueExistenceInList">
    <sch:param name="context"
        value="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:ownerProducer, ('USA'))]"/>
    <sch:param name="searchTerm" value="@ism:classification"/>
    <sch:param name="list" value="$classificationUSList"/>
    <sch:param name="errMsg"
        value="' [ISM-ID-00040][Error] If ISM_USGOV_RESOURCE and attribute ownerProducer contains [USA] then attribute classification must have a value in
CVEnumISMClassificationUS.xml. '"/>
</sch:pattern>
```

2.16 - ../Rules/USGov/ISM_ID_00041.sch

Rule Description

[ISM-ID-00041][Error] If ISM_USGOV_RESOURCE and attribute releasableTo is specified, then each of its values must be ordered in accordance with CVEnumISMCAATRelTo.xml.

Code Description

This rule uses an abstract pattern to consolidate logic. It verifies that the attribute `ism:$attrLocalName` has values in the same order as the list `$cveTermList`, which is defined in the main schematron file, `ISM_XML.sch`.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00041" is-a="ValuesOrderedAccordingToCve">
  <sch:param name="attrLocalName" value="releasableTo"/>
  <sch:param name="attrValueTokens"
    value="tokenize(normalize-space(string(@ism:releasableTo)), ' ' )"/>
  <sch:param name="cveTermList" value="$releasableToList"/>
  <sch:param name="errorMessage"
    value="' [ISM-ID-00041][Error] If ISM_USGOV_RESOURCE and attribute releasableTo is specified, then each of its values must be ordered in accordance with
CVEnumISMCAATRelTo.xml. '"/>
</sch:pattern>
```

2.17 - ./Rules/USGov/ISM_ID_00042.sch

Rule Description

[ISM-ID-00042][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols is specified and: 1. if values contribute to rollup, each of its values must be ordered in accordance with CVEnumISMSCIcontrols.xml OR 2. if values do not contribute to rollup, each of its values must be ordered alphabetically

Code Description

This rule uses an abstract pattern to consolidate logic. It verifies that the attribute ism:\$attrLocalName has values in the same order as the list \$cveTermList, which is defined in the main schematron file, ISM_XML.sch.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00042"
            is-a="ValuesOrderedAccordingToCveWhenContributesToRollup">
  <sch:param name="attrLocalName" value="SCIcontrols"/>
  <sch:param name="cveTermList" value="$SCIcontrolsList"/>
  <sch:param name="contributesToRollup" value="util:contributesToRollup(.)"/>
  <sch:param name="attrValues"
            value="tokenize(normalize-space(string(@ism:SCIcontrols)), ' ')" />
  <sch:param name="cveOrderErrorMessage"
            value="'[ISM-ID-00042][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols is specified and contributes to rollup, its values must be ordered in accordance
with CVEnumISMSCIcontrols.xml.'" />
  <sch:param name="alphabetOrderErrorMessage"
            value="'[ISM-ID-00042][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols is specified but does not contribute to rollup, its values must be ordered
alphabetically.'" />
</sch:pattern>
```

2.18 - ../Rules/USGov/ISM_ID_00043.sch

Rule Description

[ISM-ID-00043][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [SI], then attribute classification must have a value of [TS], [S], or [C]. Human Readable: A USA document containing Special Intelligence (SI) data must be classified CONFIDENTIAL, SECRET, or TOP SECRET.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [SI] this rule ensures that attribute ism:classification is specified with a value containing the token [TS], [S], or [C].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00043">
    <sch:rule id="ISM-ID-00043-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('SI'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:classification, ('TS', 'S', 'C'))"
            flag="error"
            role="error">[ISM-ID-00043][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [SI], then attribute classification must have a
value of [TS], [S], or [C]. Human Readable: A USA document containing Special Intelligence (SI) data must be classified CONFIDENTIAL, SECRET, or TOP SECRET.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.19 - ../Rules/USGov/ISM_ID_00044.sch

Rule Description

[ISM-ID-00044][Error] If the document is an ISM_USGOV_RESOURCE and the attribute SCIcontrols contain a name token with [SI-G], then the attribute classification must have a value of [TS]. Human Readable: A USA document containing Special Intelligence (SI) GAMMA compartment data must be classified TOP SECRET.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing a token with [SI-G] this rule ensures that attribute ism:classification is specified with a value containing the token [TS].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00044">
    <sch:rule id="ISM-ID-00044-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:SCIcontrols, ('^SI-G$'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:classification, ('TS'))"
            flag="error"
            role="error">[ISM-ID-00044][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains a name token with [SI-G], then attribute classification must
have a value of [TS]. Human Readable: A USA document containing Special Intelligence (SI) GAMMA compartment data must be classified TOP SECRET.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.20 - ../Rules/USGov/ISM_ID_00045.sch

Rule Description

[ISM-ID-00045][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains a name token starting with [SI-G], then attribute disseminationControls must contain the name token [OC]. Human Readable: A USA document containing Special Intelligence (SI) GAMMA compartment data must be marked for ORIGINATOR CONTROLLED dissemination.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing a token starting with [SI-G] this rule ensures that attribute ism:disseminationControls is specified with a value containing the token [OC].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00045">
    <sch:rule id="ISM-ID-00045-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:SCIcontrols, ('^SI-G$'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC'))"
            flag="error"
            role="error">[ISM-ID-00045][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains a name token starting with [SI-G], then attribute
disseminationControls must contain the name token [OC]. Human Readable: A USA document containing Special Intelligence (SI) GAMMA compartment data must be marked for ORIGINATOR CONTROLLED
dissemination.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.21 - .//Rules/USGov/ISM_ID_00047.sch

Rule Description

[ISM-ID-00047][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [TK], then attribute classification must have a value of [TS] or [S]. Human Readable: A USA document containing TALENT KEYHOLE data must be classified SECRET or TOP SECRET.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [TK] this rule ensures that attribute ism:classification is specified with a value containing the token [TS] or [S].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00047">
    <sch:rule id="ISM-ID-00047-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('TK'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:classification, ('TS', 'S'))"
            flag="error"
            role="error">[ISM-ID-00047][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [TK], then attribute classification must have a
value of [TS] or [S]. Human Readable: A USA document containing TALENT KEYHOLE data must be classified SECRET or TOP SECRET.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.22 - ../Rules/USGov/ISM_ID_00048.sch

Rule Description

[ISM-ID-00048][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [HCS], then attribute classification must have a value of [TS], [S], or [C]. Human Readable: A USA document containing HCS data must be classified CONFIDENTIAL, SECRET, or TOP SECRET.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [HCS] this rule ensures that attribute ism:classification is specified with a value containing the token [TS], [S], or [C].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00048">
    <sch:rule id="ISM-ID-00048-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('HCS'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:classification, ('TS', 'S', 'C'))"
            flag="error"
            role="error">[ISM-ID-00048][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [HCS], then attribute classification must have a
value of [TS], [S], or [C]. Human Readable: A USA document containing HCS data must be classified CONFIDENTIAL, SECRET, or TOP SECRET.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.23 - ../Rules/USGov/ISM_ID_00049.sch

Rule Description

[ISM-ID-00049][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [HCS], then attribute disseminationControls must contain the name token [NF]. Human Readable: A USA document containing HCS data must be marked for NO FOREIGN dissemination.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [HCS] this rule ensures that attribute ism:disseminationControls is specified with a value containing the token [NF].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00049">
    <sch:rule id="ISM-ID-00049-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('HCS'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('NF'))"
            flag="error"
            role="error">[ISM-ID-00049][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [HCS], then attribute disseminationControls must
contain the name token [NF]. Human Readable: A USA document containing HCS data must be marked for NO FOREIGN dissemination.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.24 - ../Rules/USGov/ISM_ID_00056.sch

Rule Description

[ISM-ID-00056][Error] If the document is an ISM_USGOV_RESOURCE and attribute classification of ISM_RESOURCE_ELEMENT has a value of [U] then no element meeting ISM_CONTRIBUTES in the document may have a classification attribute of [C], [S], [TS], or [R]. Human Readable: USA UNCLASSIFIED documents can't have portion markings with the classification TOP SECRET, SECRET, CONFIDENTIAL, or RESTRICTED data.

Code Description

If the document is an ISM_USGOV_RESOURCE and attribute ism:classification on \$ISM_RESOURCE_ELEMENT has a value of [U], this rule ensures that no element meeting ISM_CONTRIBUTES has attribute ism:classification with value [C], [S], [TS], [R].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00056">
  <sch:rule id="ISM-ID-00056-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and normalize-space(string(@ism:classification)) = 'U']">
    <sch:assert test="every $ele in $partTags satisfies not(util:containsAnyOfTheTokens($ele/@ism:classification, ('C', 'S', 'TS', 'R')))"
      flag="error"
      role="error">[ISM-ID-00056][Error] If ISM_USGOV_RESOURCE and attribute classification of ISM_RESOURCE_ELEMENT has a value of [U] then no element meeting
ISM_CONTRIBUTES in the document may have a classification attribute of [C], [S], [TS], or [R]. Human Readable: USA UNCLASSIFIED documents can't have portion markings with the classification
TOP SECRET, SECRET, CONFIDENTIAL, or RESTRICTED data.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

2.25 - .//Rules/USGov/ISM_ID_00058.sch

Rule Description

[ISM-ID-00058][Error] If ISM_USGOV_RESOURCE and attribute classification of ISM_RESOURCE_ELEMENT has a value of [C] then no element meeting ISM_CONTRIBUTES_USA in the document may have a classification attribute of [S] or [TS]. Human Readable: USA CONFIDENTIAL documents can't have TOP SECRET or SECRET data.

Code Description

If the document is an ISM_USGOV_RESOURCE and attribute ism:classification on \$ISM_RESOURCE_ELEMENT has a value of [C], this rule ensures that no element meeting ISM_CONTRIBUTES_USA has attribute ism:classification with value [S], [TS].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00058">
    <sch:rule id="ISM-ID-00058-R1"
        context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and normalize-space(string(@ism:classification))='C']">
        <sch:assert test="every $ele in $partTags satisfies not(util:containsAnyOfTheTokens($ele/@ism:classification, ('S', 'TS')))"
            flag="error"
            role="error">[ISM-ID-00058][Error] USA CONFIDENTIAL documents can't have TOP SECRET or SECRET data.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.26 - ../Rules/USGov/ISM_ID_00059.sch

Rule Description

[ISM-ID-00059][Error] If ISM_USGOV_RESOURCE and attribute classification of ISM_RESOURCE_ELEMENT has a value of [S] then no element meeting ISM_CONTRIBUTES_USA in the document may have a classification attribute of [TS]. Human Readable: USA SECRET documents can't have TOP SECRET data.

Code Description

If the document is an ISM_USGOV_RESOURCE and attribute ism:classification on \$ISM_RESOURCE_ELEMENT has a value of [S], this rule ensures that no element meeting ISM_CONTRIBUTES_USA has attribute ism:classification with value [TS].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00059">
    <sch:rule id="ISM-ID-00059-R1"
        context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and normalize-space(string(@ism:classification))='S']">
        <sch:assert test="every $ele in $partTags satisfies not(util:containsAnyOfTheTokens($ele/@ism:classification, ('TS')))"
            flag="error"
            role="error">[ISM-ID-00059][Error] USA SECRET documents can't have TOP SECRET data.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.27 - ./Rules/USGov/ISM_ID_00064.sch

Rule Description

[ISM-ID-00064][Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute FGIsourceOpen containing any value then the ISM_RESOURCE_ELEMENT must have either FGIsourceOpen or FGIsourceProtected with a value. Human Readable: USA documents having FGI Open data must have FGI Open or FGI Protected at the resource level.

Code Description

If IC Markings System Register and Manual marking rules do not apply to the document then this rule does not apply and this rule returns true. If the current element has attribute FGIsourceOpen specified and does not have attribute excludeFromRollup set to true, this rule ensures that the resourceElement has one of the following attributes specified: FGIsourceOpen or FGIsourceProtected.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00064">
    <sch:rule id="ISM-ID-00064-R1"
        context="*[generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)]">
        <sch:assert test="if(not($ISM_USGOV_RESOURCE)) then true() else if(not(empty($partFGIsourceOpen))) then ($bannerFGIsourceOpen or $bannerFGIsourceProtected) else true()"
            flag="error"
            role="error">[ISM-ID-00064][Error] USA documents having FGI Open data must have FGI Open or FGI Protected at the resource level.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.28 - ./Rules/USGov/ISM_ID_00065.sch

Rule Description

[ISM-ID-00065][Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute FGIsourceProtected containing any value then the ISM_RESOURCE_ELEMENT must have FGIsourceProtected with a value. Human Readable: USA documents having FGI Protected data must have FGI Protected at the resource level.

Code Description

If IC Markings System Register and Manual rules do not apply to the document then the rule does not apply and this rule returns true. If any element has attribute FGIsourceProtected specified with a non-empty value and does not have attribute excludeFromRollup set to true, then this rule ensures that the banner has attribute FGIsourceProtected specified with a non-empty value.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00065">
    <sch:rule id="ISM-ID-00065-R1"
        context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and not(empty($partFGIsourceProtected))]">
        <sch:assert test="@ism:FGIsourceProtected" flag="error" role="error">[ISM-ID-00065][Error] USA documents having FGI Protected data must have FGI Protected at the
resource level.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.29 - ./Rules/USGov/ISM_ID_00066.sch

Rule Description

[ISM-ID-00066][Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute disseminationControls containing [FOUO] AND 2. ISM_RESOURCE_ELEMENT has the attribute classification [U] AND 3. No element meeting ISM_CONTRIBUTES in the document has nonICmarkings AND 4. Elements meeting ISM_CONTRIBUTES only contain dissemination controls [REL], [RELIDO],[NF], [DISPLAYONLY], [EYES], and [FOUO]. Then the ISM_RESOURCE_ELEMENT must have disseminationControls containing [FOUO]. Human Readable: USA Unclassified documents having FOUO data, no non IC Markings, and only contains dissemination controls [REL], [RELIDO], [NF], [DISPLAYONLY], [EYES], and [FOUO] must have FOUO at the resource level.

Code Description

If the document is an ISM_USGOV_RESOURCE, the current element is the ISM_RESOURCE_ELEMENT, some element meeting ISM_CONTRIBUTES specifies attribute ism:disseminationControls with a value containing [FOUO], the ISM_RESOURCE_ELEMENT specifies the attribute ism:classification with a value of [U], no element meeting ISM_CONTRIBUTES specifies attribute ism:nonICmarkings, and elements meeting ISM_CONTRIBUTES only contain ism:disseminationControls with tokens [REL], [RELIDO], [NF], [DISPLAYONLY], [EYES], and [FOUO], then the resource element must contain ism:disseminationControls with a value containing the token [FOUO].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00066">
    <sch:rule id="ISM-ID-00066-R1"
        context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and index-of($dcTagsFound,'FOUO') > 0 and
util:containsAnyOfTheTokens(@ism:classification, ('U')) and count($partNonICmarkings_tok) = 0 and util:containsOnlyTheTokens(string-join($partDisseminationControls, ' '), ('REL', 'RELIDO',
'NF', 'EYES', 'DISPLAYONLY', 'FOUO'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('FOUO'))"
            flag="error"
            role="error">[ISM-ID-00066][Error] USA Unclassified documents having FOUO data, no non IC Markings, and only contains dissemination controls [REL],
[RELIDO], [NF], [DISPLAYONLY], [EYES], and [FOUO] must have FOUO at the resource level.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.30 - .//Rules/USGov/ISM_ID_00067.sch

Rule Description

[ISM-ID-00067][Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute disseminationControls containing [OC] then the ISM_RESOURCE_ELEMENT must have disseminationControls containing [OC]. Human Readable: USA documents having ORCON data must have ORCON at the resource level.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, this rule ensures that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00067" is-a="AttributeContributesToRollup">
    <sch:param name="attrLocalName" value="disseminationControls"/>
    <sch:param name="value" value="OC"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00067][Error] USA documents having ORCON data must have ORCON at the resource level.'"/>
</sch:pattern>
```

2.31 - ./Rules/USGov/ISM_ID_00068.sch

Rule Description

[ISM-ID-00068][Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute disseminationControls containing [IMC] then the ISM_RESOURCE_ELEMENT must have disseminationControls containing [IMC]. Human Readable: USA documents having IMCON data must have IMCON at the resource level.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, this rule ensures that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00068" is-a="AttributeContributesToRollup">
    <sch:param name="attrLocalName" value="disseminationControls"/>
    <sch:param name="value" value="IMC"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00068][Error] USA documents having IMCON data must have IMCON at the resource level.'"/>
</sch:pattern>
```

2.32 - .//Rules/USGov/ISM_ID_00070.sch

Rule Description

[ISM-ID-00070][Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute disseminationControls containing [NF] then the ISM_RESOURCE_ELEMENT must have disseminationControls containing [NF]. Human Readable: USA documents having NF data must have NF at the resource level.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, this rule ensures that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00070" is-a="AttributeContributesToRollup">
    <sch:param name="attrLocalName" value="disseminationControls"/>
    <sch:param name="value" value="NF"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00070][Error] USA documents having NF data must have NF at the resource level.'"/>
</sch:pattern>
```

2.33 - ./Rules/USGov/ISM_ID_00071.sch

Rule Description

[ISM-ID-00071][Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute disseminationControls containing [PR] then the ISM_RESOURCE_ELEMENT must have disseminationControls containing [PR]. Human Readable: USA documents having PROPIN data must have PROPIN at the resource level.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, this rule ensures that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00071" is-a="AttributeContributesToRollup">
    <sch:param name="attrLocalName" value="disseminationControls"/>
    <sch:param name="value" value="PR"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00071][Error] USA documents having PROPIN data must have PROPIN at the resource level.'"/>
</sch:pattern>
```

2.34 - .//Rules/USGov/ISM_ID_00072.sch

Rule Description

[ISM-ID-00072][Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute atomicEnergyMarkings containing [RD] then the ISM_RESOURCE_ELEMENT must have atomicEnergyMarkings containing [RD]. Human Readable: USA documents having Restricted Data (RD) must have RD at the resource level.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, this rule ensures that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00072" is-a="AttributeContributesToRollup">
    <sch:param name="attrLocalName" value="atomicEnergyMarkings"/>
    <sch:param name="value" value="RD"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00072][Error] USA documents having Restricted Data (RD) must have RD at the resource level.'"/>
</sch:pattern>
```

2.35 - .//Rules/USGov/ISM_ID_00073.sch

Rule Description

[ISM-ID-00073][Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute atomicEnergyMarkings containing [RD-CNWDI] then the ISM_RESOURCE_ELEMENT must have atomicEnergyMarkings containing [RD-CNWDI]. Human Readable: USA documents having Restricted CNWDI Data must have Restricted CNWDI Data at the resource level.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, this rule ensures that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00073" is-a="AttributeContributesToRollup">
    <sch:param name="attrLocalName" value="atomicEnergyMarkings"/>
    <sch:param name="value" value="RD-CNWDI"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00073][Error] USA documents having Restricted CNWDI Data must have Restricted CNWDI Data at the resource level.'"/>
</sch:pattern>
```

2.36 - ./Rules/USGov/ISM_ID_00074.sch

Rule Description

[ISM-ID-00074][Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute atomicEnergyMarkings containing [RD-SG-##] then the ISM_RESOURCE_ELEMENT must have atomicEnergyMarkings containing [RD-SG-##]. ## represent digits 1 through 99 the ## must match. Human Readable: USA documents having Restricted SIGMA-## Data must have the same Restricted SIGMA-## Data at the resource level.

Code Description

If IC Markings System Register and Manual rules do not apply to the document then the rule does not apply and this rule returns true. This rule ensures that no element that does not have attribute excludeFromRollup set to true has attribute atomicEnergyMarkings specified with a value containing [RD-SG-##], where ## is represented by a regular expression matching numbers 1 through 99, unless the resourceElement also has attribute atomicEnergyMarkings specified with a value containing [RD-SG-##].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00074">
  <sch:rule id="ISM-ID-00074-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)]">
    <sch:let name="matchingTokens"
      value="for $token in $partAtomicEnergyMarkings_tok return if(matches($token,'^RD-SG-[1-9][0-9]?$')) then $token else null"/>
    <sch:assert test="every $token in $matchingTokens satisfies index-of($bannerAtomicEnergyMarkings_tok, $token) > 0"
      flag="error"
      role="error">[ISM-ID-00074][Error] USA documents having Restricted SIGMA-## Data must have the same Restricted SIGMA-## Data at the resource level.</
sch:assert>
    </sch:rule>
  </sch:pattern>
```

2.37 - ../Rules/USGov/ISM_ID_00075.sch

Rule Description

[ISM-ID-00075][Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document having the attribute atomicEnergyMarkings containing [FRD] and no elements meeting ISM_CONTRIBUTES having the attribute atomicEnergyMarkings containing [RD], then the ISM_RESOURCE_ELEMENT must have atomicEnergyMarkings containing [FRD]. Human Readable: USA documents having Formerly Restricted Data (FRD) and not having Restricted Data (RD) must have FRD at the resource level.

Code Description

This rule uses an abstract pattern to consolidate logic. For details on the code description, see the abstract pattern.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00075" is-a="AttributeContributesToRollupWithException">
    <sch:param name="attrLocalName" value="atomicEnergyMarkings"/>
    <sch:param name="exceptAttrLocalName" value="atomicEnergyMarkings"/>
    <sch:param name="value" value="FRD"/>
    <sch:param name="exceptValueList" value="('RD')"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00075][Error] USA documents having Formerly Restricted Data (FRD) and not having Restricted Data (RD) must have FRD at the resource level.'"/>
</sch:pattern>
```

2.38 - ./Rules/USGov/ISM_ID_00077.sch

Rule Description

[ISM-ID-00077][Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute atomicEnergyMarkings containing [FRD-SG-##] and the ISM_RESOURCE_ELEMENT does not have atomicEnergyMarkings containing [RD], then the ISM_RESOURCE_ELEMENT must have atomicEnergyMarkings containing [FRD-SG-##]. ## represent digits 1 through 99 the ## must match. Human Readable: USA documents having Formerly Restricted SIGMA-## data and not having RD data must have the same Formerly Restricted SIGMA-## Data at the resource level.

Code Description

If IC Markings System Register and Manual rules do not apply to the document then the rule does not apply and this rule returns true. This rule ensures that no element that does not have attribute excludeFromRollup set to true has attribute atomicEnergyMarkings specified with a value containing [FRD-SG-##], where ## is represented by a regular expression matching numbers 1 through 99, unless the resourceElement also has attribute atomicEnergyMarkings specified with a value containing [FRD-SG-##] or [RD] is specified on the ISM_RESOURCE_ELEMENT.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00077">
    <sch:rule id="ISM-ID-00077-R1"
        context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and not(util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/
@ism:atomicEnergyMarkings, ('RD')))]">
        <sch:let name="matchingTokens"
            value="for $token in $partAtomicEnergyMarkings_tok return if(matches($token,'^FRD-SG-[1-9][0-9]?$')) then $token else null"/>
        <sch:assert test="every $token in $matchingTokens satisfies index-of($bannerAtomicEnergyMarkings_tok, $token) > 0"
            flag="error"
            role="error">[ISM-ID-00077][Error] USA documents having Formerly Restricted SIGMA-## Data and not having RD data must have the same Formerly Restricted
SIGMA-## Data at the resource level.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.39 - ./Rules/USGov/ISM_ID_00078.sch

Rule Description

[ISM-ID-00078][Error] If ISM_USGOV_RESOURCE and the ISM_RESOURCE_ELEMENT node's classification has the value of [U] and any element meeting ISM_CONTRIBUTES in the document has the attribute atomicEnergyMarkings containing [DCNI] then the ISM_RESOURCE_ELEMENT must have atomicEnergyMarkings containing [DCNI]. Human Readable: Unclassified USA documents having DCNI Data must have DCNI at the resource level.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE, the ISM_RESOURCE_ELEMENT spcifies attribute ism:classification with a value of \$resourceElementClassification, and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, this rule ensures that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00078" is-a="AttributeContributesToRollupWithClassification">
    <sch:param name="attrLocalName" value="atomicEnergyMarkings"/>
    <sch:param name="value" value="DCNI"/>
    <sch:param name="resourceElementClassification" value="U"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00078][Error] Unclassified USA documents having DCNI Data must have DCNI at the resource level.'"/>
</sch:pattern>
```

2.40 - ./Rules/USGov/ISM_ID_00079.sch

Rule Description

[ISM-ID-00079][Error] If ISM_USGOV_RESOURCE and ISM_RESOURCE_ELEMENT element's classification has the value of [U] and any element meeting ISM_CONTRIBUTES in the document has the attribute atomicEnergyMarkings containing [UCNI] then the ISM_RESOURCE_ELEMENT must have atomicEnergyMarkings containing [UCNI]. Human Readable: Unclassified USA documents having UCNI Data must have UCNI at the resource level.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE, the ISM_RESOURCE_ELEMENT spcifies attribute ism:classification with a value of \$resourceElementClassification, and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, this rule ensures that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00079" is-a="AttributeContributesToRollupWithClassification">
    <sch:param name="attrLocalName" value="atomicEnergyMarkings"/>
    <sch:param name="value" value="UCNI"/>
    <sch:param name="resourceElementClassification" value="U"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00079][Error] Unclassified USA documents having UCNI Data must have UCNI at the resource level.'"/>
</sch:pattern>
```

2.41 - .//Rules/USGov/ISM_ID_00080.sch

Rule Description

[ISM-ID-00080][Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute disseminationControls containing [DSEN] then the ISM_RESOURCE_ELEMENT must have disseminationControls containing [DSEN]. Human Readable: USA documents having DSEN Data must have DSEN at the resource level.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, this rule ensures that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00080" is-a="AttributeContributesToRollup">
    <sch:param name="attrLocalName" value="disseminationControls"/>
    <sch:param name="value" value="DSEN"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00080][Error] USA documents having DSEN Data must have DSEN at the resource level.'"/>
</sch:pattern>
```

2.42 - .//Rules/USGov/ISM_ID_00081.sch

Rule Description

[ISM-ID-00081][Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute disseminationControls containing [FISA] then the ISM_RESOURCE_ELEMENT must have disseminationControls containing [FISA]. Human Readable: USA documents having FISA Data must have FISA at the resource level.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, this rule ensures that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00081" is-a="AttributeContributesToRollup">
    <sch:param name="attrLocalName" value="disseminationControls"/>
    <sch:param name="value" value="FISA"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00081][Error] USA documents having FISA Data must have FISA at the resource level.'"/>
</sch:pattern>
```

2.43 - ./Rules/USGov/ISM_ID_00084.sch

Rule Description

[ISM-ID-00084][Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute nonICmarkings containing [DS] then the ISM_RESOURCE_ELEMENT must have nonICmarkings containing [DS]. Human Readable: Unclassified USA documents having DS Data must have DS at the resource level.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then this rule ensures that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00084" is-a="AttributeContributesToRollupWithClassification">
    <sch:param name="attrLocalName" value="nonICmarkings"/>
    <sch:param name="resourceElementClassification" value="U"/>
    <sch:param name="value" value="DS"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00084][Error] Unclassified USA documents having DS Data must have DS at the resource level.'"/>
</sch:pattern>
```

2.44 - ./Rules/USGov/ISM_ID_00085.sch

Rule Description

[ISM-ID-00085][Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute nonICmarkings containing [XD] and does not have any element meeting ISM_CONTRIBUTES in the document having the attribute nonICmarkings containing [ND] then the ISM_RESOURCE_ELEMENT must have nonICmarkings containing [XD]. Human Readable: USA documents having XD Data and not having ND must have XD at the resource level.

Code Description

This rule uses an abstract pattern to consolidate logic. For details on the code description, see the abstract pattern.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00085" is-a="AttributeContributesToRollupWithException">
    <sch:param name="attrLocalName" value="nonICmarkings"/>
    <sch:param name="exceptAttrLocalName" value="nonICmarkings"/>
    <sch:param name="value" value="XD"/>
    <sch:param name="exceptValueList" value="( 'ND' )"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00085][Error] USA documents having XD Data and not having ND must have XD at the resource level.'"/>
</sch:pattern>
```

2.45 - .//Rules/USGov/ISM_ID_00086.sch

Rule Description

[ISM-ID-00086][Error] If ISM_USGOV_RESOURCE and any element in the document: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute nonICmarkings containing [ND] Then the ISM_RESOURCE_ELEMENT must have nonICmarkings containing [ND]. Human Readable: USA documents having ND Data must have ND at the resource level.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, this rule ensures that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00086" is-a="AttributeContributesToRollup">
    <sch:param name="attrLocalName" value="nonICmarkings"/>
    <sch:param name="value" value="ND"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00086][Error] USA documents having ND Data must have ND at the resource level.'"/>
</sch:pattern>
```

2.46 - ./Rules/USGov/ISM_ID_00087.sch

Rule Description

[ISM-ID-00087][Error] Classified USA documents having SBU-NF Data must have NF at the resource level.

Code Description

If IC Markings System Register and Manual rules do not apply to the document then the rule does not apply and the rule returns true. If any element has attribute nonICmarkings specified with a value containing [SBU-NF], does not have attribute excludeFromRollup set to true, and the resourceElement has attribute classification specified with a value other than [U], this rule ensures that the resourceElement has attribute disseminationControls specified with a value containing [NF].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00087">
    <sch:rule id="ISM-ID-00087-R1"
        context="*[generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)]">
        <sch:assert test="if (not($ISM_USGOV_RESOURCE)) then true() else if (index-of($partNonICmarkings_tok, 'SBU-NF') > 0 and not($bannerClassification = 'U')) then (index-
of($bannerDisseminationControls_tok, 'NF') > 0) else true()"
            flag="error"
            role="error">[ISM-ID-00087][Error] Classified USA documents having SBU-NF Data must have NF at the resource level.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.47 - ./Rules/USGov/ISM_ID_00088.sch

Rule Description

[ISM-ID-00088][Error] If ISM_USGOV_RESOURCE and releasableTo is specified on the resource element then all classified portions must specify releasableTo and all Unclass portions must be REL or contain no caveats. Human Readable: USA documents having any classified portion that is not Releasable or having unclassified portions with disseminationControls that are not [REL] cannot be REL at the resource level.

Code Description

If IC Markings System Register and Manual rules apply to the document, this rule verifies that all portions either have the attribute classification specified with a value of [U] and uncaveated or REL or classified portions of the document have the attribute releasableTo. Attribute releasableTo is only valid on an element if attribute disseminationControls is specified with a value containing [REL] or [EYES], as [REL] supersedes [EYES] in the banner. If any elements do not meet either of the two requirements stated above, then the assertion fails since attribute releasableTo appears on the banner but is not present on all classified portions.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00088">
    <sch:rule id="ISM-ID-00088-R1"
        context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and @ism:releasableTo]">
        <sch:assert test="every $portion in $partTags satisfies ( ($portion/@ism:classification='U' and not($portion/@ism:disseminationControls) ) or $portion/
@ism:releasableTo[normalize-space()])"
            flag="error"
            role="error">[ISM-ID-00088][Error] USA documents having any classified portion that is not Releasable or having unclassified portions with
disseminationControls that are not [REL] cannot be REL at the resource level.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.48 - ../Rules/USGov/ISM_ID_00090.sch

Rule Description

[ISM-ID-00090][Error] If ISM_USGOV_RESOURCE and any element: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute disseminationControls containing [REL] Then the ISM_RESOURCE_ELEMENT must not have attribute disseminationControls containing [EYES]. Human Readable: USA documents with any portion that is REL must not be EYES at the resource level.

Code Description

If the document is an ISM_CAPO_RESOURCE, the current element is the ISM_RESOURCE_ELEMENT, and some element meeting ISM_CONTRIBUTES specifies attribute ism:disseminationControls with a value containing [REL], this rule ensures that ISM_RESOURCE_ELEMENT does not specify attribute ism:disseminationControls or specifies the attribute with a value that does not contain the token [EYES].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00090">
    <sch:rule id="ISM-ID-00090-R1"
        context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and index-of($partDisseminationControls_tok, 'REL') > 0]">
        <sch:assert test="not(util:containsAnyOfTheTokens(@ism:disseminationControls, ('EYES')))"
            flag="error"
            role="error">[ISM-ID-00090][Error] USA documents with any portion that is REL must not be EYES at the resource level.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.49 - ../Rules/USGov/ISM_ID_00095.sch

Rule Description

[ISM-ID-00095][Error] If ISM_USGOV_RESOURCE and attribute FGIsourceOpen is specified then each of its values must be ordered in accordance with CVEnumISMCATFGIOpen.xml.

Code Description

This rule uses an abstract pattern to consolidate logic. It verifies that the attribute ism:\$attrLocalName has values in the same order as the list \$cveTermList, which is defined in the main schematron file, ISM_XML.sch.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00095" is-a="ValuesOrderedAccordingToCve">
    <sch:param name="attrLocalName" value="FGIsourceOpen"/>
    <sch:param name="attrValueTokens"
        value="tokenize(normalize-space(string(@ism:FGIsourceOpen)), ' ')" />
    <sch:param name="cveTermList" value="$FGIsourceOpenList" />
    <sch:param name="errorMessage"
        value="' [ISM-ID-00095][Error] If ISM_USGOV_RESOURCE and attribute FGIsourceOpen is specified then each of its values must be ordered in accordance with
CVEnumISMCATFGIOpen.xml. '" />
    </sch:pattern>
```

2.50 - ../Rules/USGov/ISM_ID_00096.sch

Rule Description

[ISM-ID-00096][Error] If ISM_USGOV_RESOURCE and attribute FGIsourceProtected is specified then each of its values must be ordered in accordance with CVEnumISMCATFGIProtected.xml.

Code Description

This rule uses an abstract pattern to consolidate logic. It verifies that the attribute ism:\$attrLocalName has values in the same order as the list \$cveTermList, which is defined in the main schematron file, ISM_XML.sch.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00096" is-a="ValuesOrderedAccordingToCve">
    <sch:param name="attrLocalName" value="FGIsourceProtected"/>
    <sch:param name="attrValueTokens"
        value="tokenize(normalize-space(string(@ism:FGIsourceProtected)), ' ' )"/>
    <sch:param name="cveTermList" value="$FGIsourceProtectedList"/>
    <sch:param name="errorMessage"
        value="' [ISM-ID-00096][Error] If ISM_USGOV_RESOURCE and attribute FGIsourceProtected is specified then each of its values must be ordered in accordance with
CVEnumISMCATFGIProtected.xml. '"/>
</sch:pattern>
```

2.51 - .//Rules/USGov/ISM_ID_00097.sch

Rule Description

[ISM-ID-00097][Warning] If ISM_USGOV_RESOURCE and attribute FGIsourceProtected is specified with a value other than [FGI] then the value(s) must not be discoverable in IC shared spaces. Human Readable: FGI Protected should rarely if ever be seen outside of an agency's internal systems.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies the attribute ism:FGIsourceProtected, this rule ensures that attribute ism:FGIsourceProtected contains only the token [FGI].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00097">
    <sch:rule id="ISM-ID-00097-R1"
              context="*[$ISM_USGOV_RESOURCE and @ism:FGIsourceProtected]">
        <sch:assert test="normalize-space(string(./@ism:FGIsourceProtected))='FGI'"
                    flag="warning"
                    role="warning">[ISM-ID-00097][Warning] If ISM_USGOV_RESOURCE and attribute FGIsourceProtected is specified with a value other than [FGI] then the value(s)
must not be discoverable in IC shared spaces. Human Readable: FGI Protected should rarely if ever be seen outside of an agency's internal systems.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.52 - ../Rules/USGov/ISM_ID_00099.sch

Rule Description

[ISM-ID-00099][Error] If ISM_USGOV_RESOURCE and attribute ownerProducer contains the token [FGI], then the token [FGI] must be the only value in attribute ownerProducer.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribtue ism:ownerProducer with a value containing the token [FGI] this rule ensures that attribute ism:ownerProducer only contains a single token.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00099">
    <sch:rule id="ISM-ID-00099-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:ownerProducer, ('FGI'))]">
        <sch:assert test="count( tokenize(normalize-space(string(@ism:ownerProducer)), ' ') ) = 1"
            flag="error"
            role="error">[ISM-ID-00099][Error] If ISM_USGOV_RESOURCE and attribute ownerProducer contains the token [FGI], then the token [FGI] must be the only value
in attribute ownerProducer.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.53 - ../Rules/USGov/ISM_ID_00100.sch

Rule Description

[ISM-ID-00100][Error] If ISM_USGOV_RESOURCE and attribute ownerProducer is specified, then each of its values must be ordered in accordance with CVEnumISMCAOwnerProducer.xml.

Code Description

This rule uses an abstract pattern to consolidate logic. It verifies that the attribute `ism:$attrLocalName` has values in the same order as the list `$cveTermList`, which is defined in the main schematron file, `ISM_XML.sch`.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00100" is-a="ValuesOrderedAccordingToCve">
    <sch:param name="attrLocalName" value="ownerProducer"/>
    <sch:param name="attrValueTokens"
        value="tokenize(normalize-space(string(@ism:ownerProducer)), ' ')" />
    <sch:param name="cveTermList" value="$ownerProducerList" />
    <sch:param name="errorMessage"
        value="' [ISM-ID-00100][Error] If ISM_USGOV_RESOURCE and attribute ownerProducer is specified, then each of its values must be ordered in accordance with
CVEnumISMCAOwnerProducer.xml. '" />
</sch:pattern>
```

2.54 - ../Rules/general/ISM_ID_00102.sch

Rule Description

[ISM-ID-00102][Error] The attribute DESVersion in the namespace urn:us:gov:ic:ism must be specified. Human Readable: The data encoding specification version must be specified.

Code Description

Make sure that the attribute ism:DESVersion is specified.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00102">
    <sch:rule id="ISM-ID-00102-R1"
        context="/*[descendant-or-self::*[@ism:* except (@ism:ISMCA TCESVersion)]]">
        <sch:assert test="some $element in descendant-or-self::node() satisfies $element/@ism:DESVersion"
            flag="error"
            role="error">[ISM-ID-00102][Error] The attribute DESVersion in the namespace urn:us:gov:ic:ism must be specified. Human Readable: The data encoding
specification version must be specified.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.55 - ../Rules/general/ISM_ID_00103.sch

Rule Description

[ISM-ID-00103][Error] At least one element must have attribute resourceElement specified with a value of [true].

Code Description

For the document, this rule ensures that at least one element specifies attribute ism:resourceElement with a value of [true].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00103">
  <sch:rule id="ISM-ID-00103-R1"
    context="/*[descendant-or-self::*[@ism:* except (@ism:ISMCA TCESVersion)]]">
    <sch:assert test="some $token in /*[(@ism:*)] satisfies $token/@ism:resourceElement=true()"
      flag="error"
      role="error">[ISM-ID-00103][Error] At least one element must have attribute resourceElement specified with a value of [true].</sch:assert>
    </sch:rule>
  </sch:pattern>
```

2.56 - ./Rules/USGov/ISM_ID_00104.sch

Rule Description

[ISM-ID-00104][Error] If the document is an ISM_USGOV_RESOURCE and any element in the document is: 1. Unclassified and meets ISM_CONTRIBUTES AND 2. Has the attribute nonICmarkings containing [SBU-NF] AND 3. The ISM_RESOURCE_ELEMENT has attribute nonICmarkings does not contain [XD] or [ND] AND 4. The ISM_RESOURCE_ELEMENT has attribute DisseminationControls does not contain [NF] Then the ISM_RESOURCE_ELEMENT must have nonICmarkings containing [SBU-NF]. Human Readable: USA Unclassified documents having SBU-NF and not having XD, ND, or explicit Foriegn Disclosure and Release markings must have SBU-NF at the resource level.

Code Description

If the document is Unclassified and is an ISM_USGOV_RESOURCE, the current element is the ISM_RESOURCE_ELEMENT, some element meeting ISM_CONTRIBUTES specifies attribute ism:nonICmarkings with a value containing the token [SBU-NF], and the attribute ism:nonICmarkings on the ISM_RESOURCE_ELEMENT does not contain the token [XD] or [ND], and the attribute ism:disseminationControls on the resource element does not contain the token [NF]; this rule ensures sure that ISM_RESOURCE_ELEMENT specifies attribute ism:nonICmarkings with a value containing the token [SBU-NF].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00104">
    <sch:rule id="ISM-ID-00104-R1"
        context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and $bannerClassification = 'U' and index-of($partNonICmarkings_tok, 'SBU-
NF') > 0 and not(util:containsAnyOfTheTokens(string-join(@ism:nonICmarkings, ' '), ('XD', 'ND')) and not(util:containsAnyOfTheTokens(string-join(@ism:disseminationControls, ' '),
('NF')))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:nonICmarkings, ('SBU-NF'))"
            flag="error"
            role="error">[ISM-ID-00104][Error] USA Unclassified documents having SBU-NF and not having XD, ND, or explicit Foriegn Disclosure and Release markings must
have SBU-NF at the resource level.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.57 - ./Rules/USGov/ISM_ID_00105.sch

Rule Description

[ISM-ID-00105][Error] If the document is an ISM_USGOV_RESOURCE and any element in the document is: 1. Unclassified and meets ISM_CONTRIBUTES AND 2. Has the attribute nonICmarkings containing [SBU] AND 3. No element meeting ISM_CONTRIBUTES in the document has nonICmarkings containing any of [SBU-NF], [XD], or [ND] then the ISM_RESOURCE_ELEMENT must have nonICmarkings containing [SBU]. Human Readable: USA Unclassified documents having SBU and not having SBU-NF, XD, or ND must have SBU at the resource level.

Code Description

If the document is Unclassified and is an ISM_USGOV_RESOURCE, the current element is the ISM_RESOURCE_ELEMENT, some element meeting ISM_CONTRIBUTES specifies attribute ism:nonICmarkings with a value containing the token [SBU], and no element meeting ISM_CONTRIBUTES specifies attribute ism:nonICmarkings with a value containing the token [SBU-NF], [XD], and [ND], then this rule ensures that ISM_RESOURCE_ELEMENT sepcifies attribute ism:nonICmarkings with a value containing the token [SBU].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00105">
    <sch:rule id="ISM-ID-00105-R1"
        context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and $bannerClassification = 'U' and index-of($partNonICmarkings_tok,
'SBU') > 0 and not(util:containsAnyOfTheTokens(string-join($partNonICmarkings, ' '), ('SBU-NF', 'XD', 'ND')))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:nonICmarkings, ('SBU'))"
            flag="error"
            role="error">[ISM-ID-00105][Error] USA Unclassified documents having SBU and not having SBU-NF, XD, or ND must have SBU at the resource level.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.58 - ../Rules/USGov/ISM_ID_00107.sch

Rule Description

[ISM-ID-00107][Error] If ISM_USGOV_RESOURCE and attribute disseminationControls contains the name token [IMC] then attribute classification must have a value of [TS] or [S]. Human Readable: IMCON data is SECRET (S), but may appear with S or TOP SECRET data.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [IMC] this rule ensures that attribute ism:classification is not specified with a value of [TS] or [S].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00107">
    <sch:rule id="ISM-ID-00107-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('IMC'))]">
        <sch:assert test="@ism:classification=('TS', 'S')" flag="error" role="error">[ISM-ID-00107][Error] If ISM_USGOV_RESOURCE and attribute disseminationControls contains
the name token [IMC] then attribute classification must have a value of [TS] or [S]. Human Readable: IMCON data is SECRET (S), but may appear with S or TOP SECRET data.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.59 - ./Rules/USGov/ISM_ID_00108.sch

Rule Description

[ISM-ID-00108][Error] If ISM_USGOV_RESOURCE and attribute classification of ISM_RESOURCE_ELEMENT has a value of [TS] and attribute compilationReason does not have a value then at least one element meeting ISM_CONTRIBUTES in the document must have a classification attribute of [TS]. Human Readable: USA TS documents not using compilation must have TS data.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE and attribute \$attrLocalName of ISM_RESOURCE_ELEMENT has a value of [\$value] and attribute ism:compilationReason does not have a value, this rule ensures that at least one element meeting ISM_CONTRIBUTES specifies attribute \$attrLocalName with a value of [\$value].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00108" is-a="NonCompilationDocumentRollup">
    <sch:param name="attrLocalName" value="classification"/>
    <sch:param name="value" value="TS"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00108][Error] USA TS documents not using compilation must have TS data.'"/>
</sch:pattern>
```

2.60 - ./Rules/USGov/ISM_ID_00109.sch

Rule Description

[ISM-ID-00109][Error] If ISM_USGOV_RESOURCE and attribute classification of ISM_RESOURCE_ELEMENT has a value of [S] and attribute compilationReason does not have a value then at least one element meeting ISM_CONTRIBUTES in the document must have a classification attribute of [S]. Human Readable: USA S documents not using compilation must have S data.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE and attribute \$attrLocalName of ISM_RESOURCE_ELEMENT has a value of [\$value] and attribute ism:compilationReason does not have a value, then this rule ensures that at least one element meeting ISM_CONTRIBUTES specifies attribute \$attrLocalName with a value of [\$value].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00109" is-a="NonCompilationDocumentRollup">
    <sch:param name="attrLocalName" value="classification"/>
    <sch:param name="value" value="S"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00109][Error] USA S documents not using compilation must have S data.'"/>
</sch:pattern>
```

2.61 - ./Rules/USGov/ISM_ID_00110.sch

Rule Description

[ISM-ID-00110][Error] If ISM_USGOV_RESOURCE and attribute classification of ISM_RESOURCE_ELEMENT has a value of [C] and attribute compilationReason does not have a value then at least one element meeting ISM_CONTRIBUTES in the document must have a classification attribute of [C]. Human Readable: USA C documents not using compilation must have C data.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE and attribute \$attrLocalName of ISM_RESOURCE_ELEMENT has a value of [\$value] and attribute ism:compilationReason does not have a value, then this rule ensures that at least one element meeting ISM_CONTRIBUTES specifies attribute \$attrLocalName with a value of [\$value].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00110" is-a="NonCompilationDocumentRollup">
    <sch:param name="attrLocalName" value="classification"/>
    <sch:param name="value" value="C"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00110][Error] USA C documents not using compilation must have C data.'"/>
</sch:pattern>
```

2.62 - ./Rules/general/ISM_ID_00118.sch

Rule Description

[ISM-ID-00118][Error] The first element in document order having resourceElement true must have createDate specified.

Code Description

This rule ensures that the resourceElement has attribute createDate specified.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00118">
    <sch:rule id="ISM-ID-00118-R1"
              context="*[generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)][1]">
        <sch:assert test="@ism:createDate" flag="error" role="error">[ISM-ID-00118][Error] The first element in document order having resourceElement true must have createDate
specified.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.63 - .//Rules/USIC/ISM_ID_00119.sch

Rule Description

[ISM-ID-00119][Error] If ISM_USIC_RESOURCE and 1. attribute classification is not [U] AND 2. not ISM_710_FDR_EXEMPT AND 3. attribute excludeFromRollup is not true AND 4. Attribute disseminationControls must contain one or more of [DISPLAYONLY], [REL], [RELIDO], [EYES], or [NF] Human Readable: All classified NSI that does not claim exemption from ICD 710 mandatory Foreign Disclosure and Release must have an appropriate foreign disclosure or release marking.

Code Description

If IC Markings System Register and Manual rules do not apply to the document, or the document is exempt from mandatory foreign disclosure and release markings, or the resource is unclassified, or excludeFromRollup is true, then the rule does not apply. Otherwise, this rule ensures that the attribute disseminationControls contains at least one of the values [DISPLAYONLY], [RELIDO], [REL], [EYES], or [NF].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00119">
    <sch:rule id="ISM-ID-00119-R1"
        context="*[@ism:* except (@ism:pocType | @ism:DESVersion | @ism:ISMCATCESVersion | @ism:unregisteredNoticeType) and $ISM_USIC_RESOURCE and
util:contributesToRollup(.) and not($ISM_710_FDR_EXEMPT) and not(@ism:classification='U')]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('DISPLAYONLY', 'RELIDO','REL','EYES', 'NF'))"
            flag="error"
            role="error">[ISM-ID-00119][Error] If ISM_USIC_RESOURCE and 1. attribute classification is not [U] AND 2. not ISM_710_FDR_EXEMPT AND 3. attribute
excludeFromRollup is not true AND 4. Attribute disseminationControls must contain one or more of [DISPLAYONLY], [REL], [RELIDO], [EYES], or [NF] Human Readable: All classified NSI that does
not claim exemption from ICD 710 mandatory Foreign Disclosure and Release must have an appropriate foreign disclosure or release marking.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.64 - ./Rules/USGov/ISM_ID_00121.sch

Rule Description

[ISM-ID-00121][Error] If ISM_USGOV_RESOURCE and attribute SARIdentifier is specified and: 1. if values contribute to rollup, each of its values must be ordered in accordance with CVEnumISMSAR.xml OR 2. if values do not contribute to rollup, each of its values must be ordered alphabetically

Code Description

This rule uses an abstract pattern to consolidate logic. It verifies that the attribute ism:\$attrLocalName has values in the same order as the list \$cveTermList, which is defined in the main schematron file, ISM_XML.sch.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00121"
            is-a="ValuesOrderedAccordingToCveWhenContributesToRollup">
  <sch:param name="attrLocalName" value="SARIdentifier"/>
  <sch:param name="cveTermList" value="$SARIdentifierList"/>
  <sch:param name="contributesToRollup" value="util:contributesToRollup(.)"/>
  <sch:param name="attrValues"
            value="tokenize(normalize-space(string(@ism:SARIdentifier)), ' ')" />
  <sch:param name="cveOrderErrorMessage"
            value="'[ISM-ID-00121][Error] If ISM_USGOV_RESOURCE and attribute SARIdentifier is specified and contributes to rollup, its values must be ordered in accordance
with CVEnumISMSAR.xml.'"/>
  <sch:param name="alphabetOrderErrorMessage"
            value="'[ISM-ID-00121][Error] If ISM_USGOV_RESOURCE and attribute SARIdentifier is specified but does not contribute to rollup, its values must be ordered
alphabetically.'"/>
</sch:pattern>
```

2.65 - ../Rules/USGov/ISM_ID_00124.sch

Rule Description

[ISM-ID-00124][Warning] If ISM_USGOV_RESOURCE and 1. Attribute ownerProducer does not contain [USA]. AND 2. Attribute disseminationControls contains [RELIDO] Human Readable: RELIDO is not authorized for non-US portions.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [RELIDO] this rule ensures that attribute ism:ownerProducer is specified with a value containing [USA].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00124">
    <sch:rule id="ISM-ID-00124-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('RELIDO'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:ownerProducer, ('USA'))"
            flag="warning"
            role="warning">[ISM-ID-00124][Warning] If ISM_USGOV_RESOURCE and 1. Attribute ownerProducer does not contain [USA]. AND 2. Attribute disseminationControls
contains [RELIDO] Human Readable: RELIDO is not authorized for non-US portions.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.66 - ../Rules/general/ISM_ID_00125.sch

Rule Description

[ISM-ID-00125][Error] If any attributes in namespace urn:us:gov:ic:ism exist, the local name must exist in CVEnumISMAttributes.xml. Human Readable: Ensure that attributes in the ISM namespace are defined by ISM.XML.

Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM_XML.sch), which reads values from a specific CVE file.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00125">
    <sch:rule id="ISM-ID-00125-R1" context="*[@ism:*)>
        <sch:assert test="every $attr in @ism:* satisfies $attr[local-name() = $validAttributeList]"
                    flag="error"
                    role="error">
            <sch:value-of select="' [ISM-ID-00125][Error] If any attributes in namespace urn:us:gov:ic:ism exist, the local name must exist in CVEnumISMAttributes.xml. Human
Readable: Ensure that attributes in the ISM namespace are defined by ISM.XML. '"/>
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.67 - ./Rules/USGov/ISM_ID_00127.sch

Rule Description

[ISM-ID-00127][Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute atomicEnergyMarkings containing [RD] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [RD] and does not have attribute externalNotice with a value of [true]. Human Readable: USA documents containing RD data must also have an non-external RD notice.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE, for each element which meets ISM_CONTRIBUTES and specifies attribute ism:atomicEnergyMarkings with a value containing the token [RD], this rule ensures that an element meeting ISM_CONTRIBUTES specifies attribute ism:noticeType with a value containing the token [RD] and does not specify attribute ism:externalNotice with a value of [true].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00127" is-a="DataHasCorrespondingNotice">
    <sch:param name="ruleId" value="'ISM-ID-00127'"/>
    <sch:param name="attrName" value="'atomicEnergyMarkings'"/>
    <sch:param name="attrValue" value="@ism:atomicEnergyMarkings"/>
    <sch:param name="noticeType" value="'RD'"/>
</sch:pattern>
```

2.68 - ../Rules/USGov/ISM_ID_00128.sch

Rule Description

[ISM-ID-00128][Error] USA documents containing FRD data must have a non-external FRD notice unless the document contains RD in the banner.

Code Description

This rule depends on the DataHasCorrespondingNoticeWithException abstract pattern to enforce that FRD documents have an FRD notice unless the banner has RD. See DataHasCorrespondingNoticeWithException for details.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00128" is-a="DataHasCorrespondingNoticeWithException">
  <sch:param name="ruleId" value="'ISM-ID-00128'"/>
  <sch:param name="attrName" value="'atomicEnergyMarkings'"/>
  <sch:param name="attrValue"
    value="$ISM_RESOURCE_ELEMENT/@ism:atomicEnergyMarkings"/>
  <sch:param name="noticeType" value="'FRD'"/>
  <sch:param name="exceptAttrValue"
    value="$ISM_RESOURCE_ELEMENT/@ism:atomicEnergyMarkings"/>
  <sch:param name="exceptNoticeType" value="'RD'"/>
</sch:pattern>
```

2.69 - .//Rules/USGov/ISM_ID_00129.sch

Rule Description

[ISM-ID-00129][Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute disseminationControls containing [IMC] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [IMC] and does not have attribute externalNotice with a value of [true] Human Readable: USA documents containing IMC data must also have a non-external IMC notice.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE, for each element which meets ISM_CONTRIBUTES and specifies attribute ism:disseminationControls with a value containing the token [IMC], this rule ensures that an element meeting ISM_CONTRIBUTES specifies attribute ism:noticeType with a value containing the token [IMC] and does not specify attribute ism:externalNotice with a value of [true].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00129" is-a="DataHasCorrespondingNotice">
    <sch:param name="ruleId" value="'ISM-ID-00129'"/>
    <sch:param name="attrName" value="'disseminationControls'"/>
    <sch:param name="attrValue" value="@ism:disseminationControls"/>
    <sch:param name="noticeType" value="'IMC'"/>
</sch:pattern>
```

2.70 - .//Rules/USGov/ISM_ID_00130.sch

Rule Description

[ISM-ID-00130][Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute disseminationControls containing [FISA] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [FISA] and does not have attribute externalNotice with a value of [true] Human Readable: USA documents containing FISA data must also have a non-external FISA notice.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE, for each element which meets ISM_CONTRIBUTES and specifies attribute ism:disseminationControls with a value containing the token [FISA], this rule ensures that an element meeting ISM_CONTRIBUTES specifies attribute ism:noticeType with a value containing the token [FISA] and does not specify attribute ism:externalNotice with a value of [true].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00130" is-a="DataHasCorrespondingNotice">
    <sch:param name="ruleId" value="'ISM-ID-00130'"/>
    <sch:param name="attrName" value="'disseminationControls'"/>
    <sch:param name="attrValue" value="@ism:disseminationControls"/>
    <sch:param name="noticeType" value="'FISA'"/>
</sch:pattern>
```

2.71 - ../Rules/USGov/ISM_ID_00132.sch

Rule Description

[ISM-ID-00132][Error] If ISM_USGOV_RESOURCE and the ISM_RESOURCE_ELEMENT has the attribute disseminationControls containing [RELIDO] then every element meeting ISM_CONTRIBUTES_CLASSIFIED in the document must have the attribute disseminationControls containing [RELIDO]. Human Readable: USA documents having RELIDO at the resource level must have every classified portion having RELIDO and on any U portions that have explicit Release specified must have RELIDO.

Code Description

If the document is an ISM_USGOV_RESOURCE, the current element is the ISM_RESOURCE_ELEMENT, and the ISM_RESOURCE_ELEMENT specifies the attribute ism:disseminationControls with a value containing the token [RELIDO] and not an unclass NF-based token (SBU-NF or LES-NF), then this rule ensures that every element meeting ISM_CONTRIBUTES_CLASSIFIED specifies attribute ism:disseminationControls with a value containing the token [RELIDO].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00132">
    <sch:rule id="ISM-ID-00132-R1"
        context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:disseminationControls, ('RELIDO'))]">
        <sch:assert test="every $ele in $partTags satisfies if ($ele/@ism:classification[normalize-space()='U'] and not(util:containsAnyOfTheTokens($ele/
@ism:disseminationControls, ('REL','NF','DISPLAYONLY')) and not(util:containsAnyOfTheTokens($ele/@ism:nonICmarkings, ('SBU-NF', 'LES-NF')))) then true() else util:containsAnyOfTheTokens($ele/
@ism:disseminationControls, ('RELIDO'))"
            flag="error"
            role="error">[ISM-ID-00132][Error] USA documents having RELIDO at the resource level must have every classified portion having RELIDO and on any U portions
that have explicit Release specified must have RELIDO.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.72 - ../Rules/USGov/ISM_ID_00133.sch

Rule Description

[ISM-ID-00133][Error] If ISM_NSI_EO_APPLIES and attribute declassException is specified and contains the tokens [25X1-EO-12951], [50X1-HUM], [50X2-WMD], [NATO], [AEA] or [NATO-AEA] then attribute declassDate or declassEvent must NOT be specified. Human Readable: Documents under E.O. 13526 must not specify declassDate or declassEvent if a declassException of 25X1-EO-12951, 50X1-HUM, 50X2-WMD, NATO, AEA or NATO-AEA is specified.

Code Description

If ISM_NSI_EO_APPLIES, for each element which specifies ism:declassException with a value containing token [25X1-EO-12951], [50X1-HUM], [50X2-WMD], [NATO], [AEA] or [NATO-AEA] this rule ensures that attributes ism:declassDate and ism:declassEvent are NOT specified.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00133">
    <sch:rule id="ISM-ID-00133-R1"
        context="*[$ISM_NSI_EO_APPLIES and util:containsAnyOfTheTokens(@ism:declassException, ('25X1-EO-12951', '50X1-HUM', '50X2-WMD', 'NATO', 'AEA', 'NATO-AEA'))]">
        <sch:assert test="not(@ism:declassDate or @ism:declassEvent)"
            flag="error"
            role="error">[ISM-ID-00133][Error] If ISM_NSI_EO_APPLIES and attribute declassException is specified and contains the tokens [25X1-EO-12951], [50X1-HUM],
[50X2-WMD], [NATO], [AEA] or [NATO-AEA]then attribute declassDate or declassEvent must NOT be specified. Human Readable: Documents under E.O. 13526 must not specify declassDate or declassEvent
if a declassException of 25X1-EO-12951, 50X1-HUM, 50X2-WMD, NATO, AEA or NATO-AEA is specified.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.73 - .//Rules/USGov/ISM_ID_00134.sch

Rule Description

[ISM-ID-00134][Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute nonICmarkings containing [DS] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [DS] and does not have attribute externalNotice with a value of [true] Human Readable: USA documents containing DS data must also have a non-external DS notice.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE, for each element which meets ISM_CONTRIBUTES and specifies attribute ism:nonICmarkings with a value containing the token [DS], this rule ensures that an element meeting ISM_CONTRIBUTES specifies attribute ism:noticeType with a value containing the token [DS] and does not specify attribute ism:externalNotice with a value of [true].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00134" is-a="DataHasCorrespondingNotice">
    <sch:param name="ruleId" value="'ISM-ID-00134'"/>
    <sch:param name="attrName" value="'nonICmarkings'"/>
    <sch:param name="attrValue" value="@ism:nonICmarkings"/>
    <sch:param name="noticeType" value="'DS'"/>
</sch:pattern>
```

2.74 - .//Rules/USGov/ISM_ID_00135.sch

Rule Description

[ISM-ID-00135][Error] If ISM_USGOV_RESOURCE and: 1. No element meeting ISM_CONTRIBUTES in the document has the attribute atomicEnergyMarkings containing [RD] AND 2. Any element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [RD] and does not specify attribute ism:externalNotice with a value of [true]. Human Readable: USA documents containing an non-external RD notice must also have RD data.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE and any element meets ISM_CONTRIBUTES and specifies attribute ism:noticeType with a value containing the token [RD] and does not specify attribute ism:externalNotice with a value of [true], this rule ensures that an element meeting ISM_CONTRIBUTES specifies attribute ism:atomicEnergyMarkings with a value containing the token [RD].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00135" is-a="NoticeHasCorrespondingData">
    <sch:param name="ruleId" value="'ISM-ID-00135'"/>
    <sch:param name="attrName" value="'atomicEnergyMarkings'"/>
    <sch:param name="dataType" value="'RD'"/>
    <sch:param name="dataTokenList" value="$partAtomicEnergyMarkings_tok"/>
</sch:pattern>
```

2.75 - ./Rules/USGov/ISM_ID_00136.sch

Rule Description

[ISM-ID-00136][Error] If ISM_USGOV_RESOURCE and: 1. No element without ism:excludeFromRollup=true() in the document has the attribute atomicEnergyMarkings containing [FRD] AND 2. Any element without ism:excludeFromRollup=true() in the document has the attribute noticeType containing [FRD] and does not specify attribute ism:externalNotice with a value of [true]. Human Readable: USA documents containing a non-external FRD notice must also have FRD data.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE and any element meets ISM_CONTRIBUTES and specifies attribute ism:noticeType with a value containing the token [FRD] and does not specify attribute ism:externalNotice with a value of [true], this rule ensures that an element meeting ISM_CONTRIBUTES specifies attribute ism:atomicEnergyMarkings with a value containing the token [FRD].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00136" is-a="NoticeHasCorrespondingData">
    <sch:param name="ruleId" value="'ISM-ID-00136'"/>
    <sch:param name="attrName" value="'atomicEnergyMarkings'"/>
    <sch:param name="dataType" value="'FRD'"/>
    <sch:param name="dataTokenList" value="$partAtomicEnergyMarkings_tok"/>
</sch:pattern>
```

2.76 - ./Rules/USGov/ISM_ID_00137.sch

Rule Description

[ISM-ID-00137][Error] If ISM_USGOV_RESOURCE and: 1. No element without ism:excludeFromRollup=true() in the document has the attribute disseminationControls containing [IMC] AND 2. Any element without ism:excludeFromRollup=true() in the document has the attribute noticeType containing [IMC] and not specifying attribute ism:externalNotice with a value of [true] Human Readable: USA documents containing a non-external IMC notice must also have IMC data.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE and any element meets ISM_CONTRIBUTES and specifies attribute ism:noticeType with a value containing the token [IMC] and not specifying attribute ism:externalNotice with a value of [true], this rule ensures that an element meeting ISM_CONTRIBUTES specifies attribute ism:disseminationControls with a value containing the token [IMC].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00137" is-a="NoticeHasCorrespondingData">
    <sch:param name="ruleId" value="'ISM-ID-00137'"/>
    <sch:param name="attrName" value="'disseminationControls'"/>
    <sch:param name="dataType" value="'IMC'"/>
    <sch:param name="dataTokenList" value="$partDisseminationControls_tok"/>
</sch:pattern>
```

2.77 - ./Rules/USGov/ISM_ID_00138.sch

Rule Description

[ISM-ID-00138][Error] If ISM_USGOV_RESOURCE and: 1. No element without ism:excludeFromRollup=true() in the document has the attribute nonICmarkings containing [DS] AND 2. Any element without ism:excludeFromRollup=true() in the document has the attribute noticeType containing [DS] and does not specify attribute ism:externalNotice with a value of [true]. AND 3. \$ISM_RESOURCE_ELEMENT is unclassified. Human Readable: Unclassified USA documents containing a non-external DS notice must also have DS data.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE and any element meets ISM_CONTRIBUTES and specifies attribute ism:noticeType with a value containing the token [DS] and does not specify attribute ism:externalNotice with a value of [true], this rule ensures that an element meeting ISM_CONTRIBUTES specifies attribute ism:nonICmarkings with a value containing the token [DS]. Classified USA documents containing a non-external DS notice must also have DS data however that is not currently testable since classified documents do not have to have DS at the document level.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00138" is-a="NoticeHasCorrespondingDataUnclassDoc">
    <sch:param name="ruleId" value="'ISM-ID-00138'"/>
    <sch:param name="attrName" value="'nonICmarkings'"/>
    <sch:param name="dataType" value="'DS'"/>
    <sch:param name="dataTokenList" value="$partNonICmarkings_tok"/>
</sch:pattern>
```

2.78 - ./Rules/USGov/ISM_ID_00139.sch

Rule Description

[ISM-ID-00139][Error] If ISM_USGOV_RESOURCE and: 1. No element without ism:excludeFromRollup=true() in the document has the attribute disseminationControls containing [FISA] AND 2. Any element without ism:excludeFromRollup=true() in the document has the attribute noticeType containing [FISA] and does not specify attribute ism:externalNotice with a value of [true]. Human Readable: USA documents containing a non-external FISA notice must also have FISA data.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE and any element meets ISM_CONTRIBUTES and specifies attribute ism:noticeType with a value containing the token [FISA] and does not specify attribute ism:externalNotice with a value of [true], this rule ensures that an element meeting ISM_CONTRIBUTES specifies attribute ism:disseminationControls with a value containing the token [FISA].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00139" is-a="NoticeHasCorrespondingData">
    <sch:param name="ruleId" value="'ISM-ID-00139'"/>
    <sch:param name="attrName" value="'disseminationControls'"/>
    <sch:param name="dataType" value="'FISA'"/>
    <sch:param name="dataTokenList" value="$partDisseminationControls_tok"/>
</sch:pattern>
```

2.79 - ./Rules/USGov/ISM_ID_00141.sch

Rule Description

[ISM-ID-00141][Error] If ISM_NSI_EO_APPLIES and: 1. ISM_RESOURCE_ELEMENT attribute declassException does not have a value of [25X1-EO-12951], [50X1-HUM], [50X2-WMD], [AEA], [NATO], or [NATO-AEA] AND 2. ISM_RESOURCE_ELEMENT attribute declassDate is not specified AND 3. ISM_RESOURCE_ELEMENT attribute declassEvent is not specified Human Readable: Documents under E.O. 13526 require declassDate or declassEvent unless 25X1-EO-12951, 50X1-HUM, 50X2-WMD, AEA, NATO, or NATO-AEA is specified.

Code Description

If ISM_NSI_EO_APPLIES, the current element is the ISM_RESOURCE_ELEMENT, and attribtue ism:declassExeption is not specified with a value containing the token [25X1-EO-12951], [50X1-HUM], or [50X2-WMD], [AEA], [NATO], or [NATO-AEA] then this rule ensures that attribute ism:declassDate is specified or attribute ism:declassEvent is specified.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00141">
    <sch:rule id="ISM-ID-00141-R1"
        context="*[$ISM_NSI_EO_APPLIES and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and not(util:containsAnyOfTheTokens(@ism:declassException, ('25X1-
EO-12951', '50X1-HUM', '50X2-WMD', 'AEA', 'NATO', 'NATO-AEA')))]">
        <sch:assert test="@ism:declassDate or @ism:declassEvent"
            flag="error"
            role="error">[ISM-ID-00141][Error] Documents under E.O. 13526 require declassDate or declassEvent unless 25X1-EO-12951, 50X1-HUM, 50X2-WMD, AEA, NATO, or
NATO-AEA is specified.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.80 - ../Rules/USGov/ISM_ID_00142.sch

Rule Description

[ISM-ID-00142][Error] If the Classified National Security Information Executive Order applies to the document, then a classification authority must be specified.

Code Description

If ISM_NSI_EO_APPLIES is true (defined in ISM_XML.sch), then the resource element (has the attribute @ism:resourceElement="true") must have either @ism:classifiedBy or @ism:derivativelyClassifiedBy

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00142">
    <sch:rule id="ISM-ID-00142-R1"
        context="*[$ISM_NSI_EO_APPLIES and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)]">
        <sch:assert test="@ism:classifiedBy or @ism:derivativelyClassifiedBy"
            flag="error"
            role="error">[ISM-ID-00142][Error] If the Classified National Security Information Executive Order applies to the document, then a classification authority
must be specified.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.81 - .//Rules/USGov/ISM_ID_00143.sch

Rule Description

[ISM-ID-00143][Error] If ISM_USGOV_RESOURCE and attribute derivativelyClassifiedBy is specified, then attribute derivedFrom must be specified. Human Readable: Derivatively Classified data including DOE data requires a derived from value to be identified.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:derivativelyClassifiedBy this rule ensures that attribute ism:derivedFrom is specified.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00143">
    <sch:rule id="ISM-ID-00143-R1"
              context="*[$ISM_USGOV_RESOURCE and @ism:derivativelyClassifiedBy]">
        <sch:assert test="@ism:derivedFrom" flag="error" role="error">[ISM-ID-00143][Error] If ISM_USGOV_RESOURCE and attribute derivativelyClassifiedBy is specified, then
attribute derivedFrom must be specified. Human Readable: Derivatively Classified data including DOE data requires a derived from value to be identified.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.82 - ./Rules/USGov/ISM_ID_00145.sch

Rule Description

[ISM-ID-00145][Error] If ISM_USGOV_RESOURCE and any element in the document: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute nonICmarkings containing [LES] AND 3. No element meeting ISM_CONTRIBUTES in the document has nonICmarkings containing any of [LES-NF] Then the ISM_RESOURCE_ELEMENT must have nonICmarkings containing [LES]. Human Readable: USA documents having LES and not having LES-NF must have LES at the resource level.

Code Description

If the document is an ISM_USGOV_RESOURCE, the current element is the ISM_RESOURCE_ELEMENT, some element meeting ISM_CONTIBUTES specifies attribute ism:nonICmarkings with a value containing the token [LES], and no element meeting ISM_CONTRIBUTES specifies attribute ism:nonICmarkings with a value containing the token [LES-NF], then this rule ensures that ISM_RESOURCE_ELEMENT sepcifies attribute ism:nonICmarkings with a value containing the token [LES].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00145">
    <sch:rule id="ISM-ID-00145-R1"
        context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and index-of($partNonICmarkings_tok, 'LES') > 0 and not(index-
of($partNonICmarkings_tok, 'LES-NF') > 0)]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:nonICmarkings, ('LES'))"
            flag="error"
            role="error">[ISM-ID-00145][Error] USA documents having LES and not having LES-NF must have LES at the resource level.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.83 - ./Rules/USGov/ISM_ID_00146.sch

Rule Description

[ISM-ID-00146][Error] If ISM_USGOV_RESOURCE and there exist at least 2 elements in the document: 1. Each element: Meets ISM_CONTRIBUTES AND 2. One of the elements: Has the attribute nonICmarkings containing [LES-NF] AND 3. One of the elements: meets ISM_CONTRIBUTES_CLASSIFIED Then the ISM_RESOURCE_ELEMENT must have disseminationControls containing [NF]. Human Readable: Classified USA documents having LES-NF Data must have NF at the resource level.

Code Description

If IC Markings System Register and Manual rules do not apply to the document then the rule does not apply and this rule returns true. If any element has attribute nonICmarkings specified with a value containing [LES-NF] and the resourceElement has attribute classification specified with a value other than [U], then this rule ensures that the resourceElement has attribute disseminationControls specified with a value containing [NF].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00146">
    <sch:rule id="ISM-ID-00146-R1"
        context="*[generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)]">
        <sch:assert test="if(not($ISM_USGOV_RESOURCE)) then true() else if(index-of($partNonICmarkings_tok, 'LES-NF') > 0 and not($bannerClassification='U')) then (index-
of($bannerDisseminationControls_tok, 'NF') > 0) else true()"
            flag="error"
            role="error">[ISM-ID-00146][Error] Classified USA documents having LES-NF Data must have NF at the resource level.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.84 - ./Rules/USGov/ISM_ID_00147.sch

Rule Description

[ISM-ID-00147][Error] If ISM_USGOV_RESOURCE and there exist at least 2 elements in the document: 1. Each element: Meets ISM_CONTRIBUTES AND 2. One of the elements: Has the attribute nonICmarkings containing [LES-NF] AND 3. One of the elements: meets ISM_CONTRIBUTES_CLASSIFIED Then the ISM_RESOURCE_ELEMENT must have nonICmarkings containing [LES]. Human Readable: Classified USA documents having LES-NF Data must have LES at the resource level.

Code Description

If IC Markings System Register and Manual rules do not apply to the document then the rule does not apply and this rule returns true. If any element has attribute nonICmarkings specified with a value containing [LES-NF] and the resourceElement has attribute classification specified with a value other than [U], then this rule ensures that the resourceElement has attribute nonICmarkings specified with a value containing [LES].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00147">
    <sch:rule id="ISM-ID-00147-R1"
        context="*[generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)]">
        <sch:assert test="if(not($ISM_USGOV_RESOURCE)) then true() else if(index-of($partNonICmarkings_tok, 'LES-NF') > 0 and not($bannerClassification='U')) then (index-
of($bannerNonICmarkings_tok, 'LES') > 0) else true()"
            flag="error"
            role="error">[ISM-ID-00147][Error] Classified USA documents having LES-NF Data must have LES at the resource level.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.85 - ./Rules/USGov/ISM_ID_00148.sch

Rule Description

[ISM-ID-00148][Error] If ISM_USGOV_RESOURCE, then Name tokens [LES] and [LES-NF] are mutually exclusive for attribute nonICmarkings. Human Readable: USA documents must not specify both LES and LES-NF on a single element.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE, for each element which has attribute ism:nonICmarkings specified with a value containing the token [LES] or [LES-NF], this rule ensures that attribute ism:nonICmarkings is not specified with a value containing both tokens [LES] and [LES-NF].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00148" is-a="MutuallyExclusiveAttributeValues">
    <sch:param name="context"
        value="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:nonICmarkings, ('LES', 'LES-NF'))]"/>
    <sch:param name="attrValue" value="@ism:nonICmarkings"/>
    <sch:param name="mutuallyExclusiveTokenList" value="('LES', 'LES-NF')"/>
    <sch:param name="errMsg"
        value="' [ISM-ID-00148][Error] If ISM_USGOV_RESOURCE, then Name tokens [LES] and [LES-NF] are mutually exclusive for attribute nonICmarkings. Human Readable:
USA documents must not specify both LES and LES-NF on a single element. '"/>
</sch:pattern>
```

2.86 - ./Rules/USGov/ISM_ID_00149.sch

Rule Description

[ISM-ID-00149][Error] If the document is an ISM_USGOV_RESOURCE and: 1. Any element in the document meets ISM_CONTRIBUTES in the document has the attribute nonICmarkings contain [LES-NF] AND 2. ISM_RESOURCE_ELEMENT has the attribute classification [U] AND 3. ISM_RESOURCE_ELEMENT does not have the attribute dissemination controls [NF] THEN the ISM_RESOURCE_ELEMENT must have nonICmarkings containing [LES-NF] Human Readable: Unclassified USA documents having LES-NF and not having NF must have LES-NF at the resource level.

Code Description

If the document is an ISM_USGOV_RESOURCE, the current element is the ISM_RESOURCE_ELEMENT, some element meeting ISM_CONTRIBUTES specifies attribute ism:nonICmarkings with a value containing the token [LES-NF], and the ISM_RESOURCE_ELEMENT does not have attribute ism:disseminationControls with a value containing the token [NF]; then this rule ensures that ISM_RESOURCE_ELEMENT specifies attribute ism:nonICmarkings with a value containing the token [LES-NF].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00149">
    <sch:rule id="ISM-ID-00149-R1"
        context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and $bannerClassification = 'U' and index-of($partNonICmarkings_tok, 'LES-
NF') > 0 and not(util:containsAnyOfTheTokens(string-join(@ism:disseminationControls, ' '), ('NF')))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:nonICmarkings, ('LES-NF'))"
            flag="error"
            role="error">[ISM-ID-00149][Error] Unclassified USA documents having LES-NF and not having NF must have LES-NF at the resource level.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.87 - ./Rules/USGov/ISM_ID_00150.sch

Rule Description

[ISM-ID-00150][Error] If ISM_USGOV_RESOURCE and: 1. Any element, other than ISM_RESOURCE_ELEMENT, meeting ISM_CONTRIBUTES in the document has the attribute nonICmarkings containing [LES] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [LES] Human Readable: USA documents containing LES data must also have an LES notice.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which is not the ISM_RESOURCE_ELEMENT and meets ISM_CONTRIBUTES and specifies attribute ism:nonICmarkings with a value containing the token [LES], this rule ensures that an element meeting ISM_CONTRIBUTES specifies attribute ism:noticeType with a value containing the token [LES].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00150">
    <sch:rule id="ISM-ID-00150-R1"
        context="*[$ISM_USGOV_RESOURCE and not(generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)) and util:containsAnyOfTheTokens(@ism:nonICmarkings, ('LES'))]">
        <sch:assert test="some $elem in $partTags satisfies ($elem[@ism:noticeType] and util:containsAnyOfTheTokens($elem/@ism:noticeType, ('LES')) and not ($elem/
@ism:externalNotice=true()))"
            flag="error"
            role="error">[ISM-ID-00150][Error] If ISM_USGOV_RESOURCE and: 1. Any element, other than ISM_RESOURCE_ELEMENT, meeting ISM_CONTRIBUTES in the document has
the attribute nonICmarkings containing [LES] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [LES] Human Readable: USA documents containing
LES data must also have an LES notice.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.88 - .//Rules/USGov/ISM_ID_00151.sch

Rule Description

[ISM-ID-00151][Warning] If ISM_USGOV_RESOURCE and: 1. No element without ism:excludeFromRollup=true() in the document has the attribute nonICmarkings containing [LES] AND 2. Any element without ism:excludeFromRollup=true() in the document has the attribute noticeType containing [LES] and does not specify attribute ism:externalNotice with a value of [true]. Human Readable: USA documents containing a non-external LES notice must also have LES data.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE and any element meets ISM_CONTRIBUTES and specifies attribute ism:noticeType with a value containing the token [LES] and does not specify attribute ism:externalNotice with a value of [true], this rule ensures that an element meeting ISM_CONTRIBUTES specifies attribute ism:nonICmarkings with a value containing the token [LES].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00151" is-a="NoticeHasCorrespondingData">
    <sch:param name="ruleId" value="'ISM-ID-00151'"/>
    <sch:param name="attrName" value="'nonICmarkings'"/>
    <sch:param name="dataType" value="'LES'"/>
    <sch:param name="dataTokenList" value="$partNonICmarkings_tok"/>
</sch:pattern>
```

2.89 - .//Rules/USGov/ISM_ID_00152.sch

Rule Description

[ISM-ID-00152][Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute nonICmarkings containing [LES-NF] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [LES-NF] and does not have attribute externalNotice with a value of [true]. Human Readable: USA documents containing LES-NF data must also have an LES-NF notice.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE, for each element which meets ISM_CONTRIBUTES and specifies attribute ism:nonICmarkings with a value containing the token [LES-NF], this rule ensures that an element meeting ISM_CONTRIBUTES specifies attribute ism:noticeType with a value containing the token [LES-NF] and does not specify attribute ism:externalNotice with a value of [true].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00152" is-a="DataHasCorrespondingNotice">
    <sch:param name="ruleId" value="'ISM-ID-00152'"/>
    <sch:param name="attrName" value="'nonICmarkings'"/>
    <sch:param name="attrValue" value="@ism:nonICmarkings"/>
    <sch:param name="noticeType" value="'LES-NF'"/>
</sch:pattern>
```

2.90 - ./Rules/USGov/ISM_ID_00153.sch

Rule Description

[ISM-ID-00153][Error] If ISM_USGOV_RESOURCE and: 1. No element without ism:excludeFromRollup=true() in the document has the attribute nonICmarkings containing [LES-NF] AND 2. Any element without ism:excludeFromRollup=true() in the document has the attribute noticeType containing [LES-NF]. and does not specify attribute ism:externalNotice with a value of [true]. Human Readable: USA documents containing an LES-NF notice must also have LES-NF data.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE and any element meets ISM_CONTRIBUTES and specifies attribute ism:noticeType with a value containing the token [LES-NF] and does not specify attribute ism:externalNotice with a value of [true], this rule ensures that an element meeting ISM_CONTRIBUTES specifies attribute ism:nonICmarkings with a value containing the token [LES-NF].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00153" is-a="NoticeHasCorrespondingData">
    <sch:param name="ruleId" value="'ISM-ID-00153'"/>
    <sch:param name="attrName" value="'nonICmarkings'"/>
    <sch:param name="dataType" value="'LES-NF'"/>
    <sch:param name="dataTokenList" value="$partNonICmarkings_tok"/>
</sch:pattern>
```

2.91 - ./Rules/USGov/ISM_ID_00154.sch

Rule Description

[ISM-ID-00154][Error] If ISM_USGOV_RESOURCE and 1. Attribute disseminationControls of ISM_RESOURCE_ELEMENT contains [FOUO] AND 2. Attribute compilationReason does not have a value then at least one element meeting ISM_CONTRIBUTES in the document must have a disseminationControls attribute contain [FOUO]. Human Readable: USA FOUO documents not using compilation must have FOUO data.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE and attribute \$attrLocalName of ISM_RESOURCE_ELEMENT has a value of [\$value] and attribute ism:compilationReason does not have a value, then this rule ensures that at least one element meeting ISM_CONTRIBUTES specifies attribute \$attrLocalName with a value of [\$value].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00154" is-a="NonCompilationDocumentRollup">
    <sch:param name="attrLocalName" value="disseminationControls"/>
    <sch:param name="value" value="FOUO"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00154][Error] USA FOUO documents not using compilation must have FOUO data.'"/>
</sch:pattern>
```

2.92 - ./Rules/USDOD/ISM_ID_00155.sch

Rule Description

[ISM-ID-00155][Error] If ISM_USDOD_RESOURCE and 1. not ISM_DOD_DISTRO_EXEMPT AND 2. Attribute noticeType of ISM_RESOURCE_ELEMENT does not contain one of [DoD-Dist-A], [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], [DoD-Dist-F], or [DoD-Dist-X] Human Readable: All US DOD documents that do not claim exemption from DoD5230.24 distribution statements must have a distribution statement for the entire document.

Code Description

If the document is an ISM_USDOD_RESOURCE and not ISM_DOD_DISTRO_EXEMPT and the current element is the ISM_RESOURCE_ELEMENT, this rule ensures that attribute ism:noticeType is specified with a value containing one of the tokens: [DoD-Dist-A], [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], [DoD-Dist-F], [DoD-Dist-X].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00155">
    <sch:rule id="ISM-ID-00155-R1"
        context="*[$ISM_USDOD_RESOURCE and not($ISM_DOD_DISTRO_EXEMPT) and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:noticeType, ('DoD-Dist-A', 'DoD-Dist-B', 'DoD-Dist-C', 'DoD-Dist-D', 'DoD-Dist-E', 'DoD-Dist-F', 'DoD-Dist-X'))"
            flag="error"
            role="error">[ISM-ID-00155][Error] All USA documents that do not claim exemption from DoD5230.24 distribution statements must have a distribution statement
for the entire document.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.93 - ./Rules/USDOD/ISM_ID_00157.sch

Rule Description

[ISM-ID-00157][Error] If ISM_USDOD_RESOURCE and: 1. The attribute notice contains one of the [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], or [DoD-Dist-E] AND 2. The attribute noticeReason is not specified. Human Readable: DoD distribution statements B, C, D , or E all require a reason.

Code Description

If the document is an ISM_USDOD_RESOURCE, for each element which specifies attribute ism:noticeType with a value containing the token [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], or [DoD-Dist-E], this rule ensures that attribute ism:noticeReason is specified.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00157">
    <sch:rule id="ISM-ID-00157-R1"
        context="*[$ISM_USDOD_RESOURCE and util:containsAnyOfTheTokens(@ism:noticeType, ('DoD-Dist-B', 'DoD-Dist-C', 'DoD-Dist-D', 'DoD-Dist-E'))]">
        <sch:assert test="@ism:noticeReason" flag="error" role="error">[ISM-ID-00157][Error] If ISM_USDOD_RESOURCE and: 1. The attribute notice contains one of the [DoD-Dist-
B], [DoD-Dist-C], [DoD-Dist-D], or [DoD-Dist-E] AND 2. The attribute noticeReason is not specified. Human Readable: DoD distribution statements B, C, D , or E all require a reason.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.94 - ../Rules/USDOD/ISM_ID_00158.sch

Rule Description

[ISM-ID-00158][Error] If ISM_USDOD_RESOURCE and: 1. not ISM_DOD_DISTRO_EXEMPT AND 2. attribute classification of ISM_RESOURCE_ELEMENT is not [U] AND 3. A resource attribute notice does not contain one of [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F]. Human Readable: All classified DOD documents that do not claim exemption from DoD5230.24 distribution statements must use one of DoD distribution statements B, C, D, E, or F.

Code Description

If the document is an ISM_USDOD_RESOURCE and not ISM_DOD_DISTRO_EXEMPT and the attribute classification of ISM_RESOURCE_ELEMENT is not [U], then this rule ensures that the resource element specifies attribute ism:noticeType with a value containing the token [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00158">
    <sch:rule id="ISM-ID-00158-R1"
        context="*[$ISM_USDOD_RESOURCE and not($ISM_DOD_DISTRO_EXEMPT) and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and not(@ism:classification='U')]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:noticeType, ('DoD-Dist-B', 'DoD-Dist-C', 'DoD-Dist-D', 'DoD-Dist-E', 'DoD-Dist-F'))"
            flag="error"
            role="error">[ISM-ID-00158][Error] If ISM_USDOD_RESOURCE and: 1. not ISM_DOD_DISTRO_EXEMPT AND 2. attribute classification of ISM_RESOURCE_ELEMENT is not
[U] AND 3. A resource attribute notice does not contain one of [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F]. Human Readable: All classified DOD documents that do not
claim exemption from DoD5230.24 distribution statements must use one of DoD distribution statements B, C, D, E, or F.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.95 - ./Rules/USGov/ISM_ID_00159.sch

Rule Description

[ISM-ID-00159][Error] If ISM_USGOV_RESOURCE and: 1. attribute classification of ISM_RESOURCE_ELEMENT is not [U] AND 2. The attribute notice does contain [DoD-Dist-A] or has attribute externalNotice with a value of [true]. Human Readable: Distribution statement A (Public Release) is forbidden on classified documents.

Code Description

If the document is an ISM_USGOV_RESOURCE and the attribute classification of ISM_RESOURCE_ELEMENT is not [U], for each element which specifies attribute ism:noticeType this rule ensures that attribute ism:noticeType is not specified with a value containing the token [DoD-Dist-A] unless it is an external notice with attribute ism:externalNotice is [true].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00159">
    <sch:rule id="ISM-ID-00159-R1"
        context="*[$ISM_USGOV_RESOURCE and not($ISM_RESOURCE_ELEMENT/@ism:classification = 'U')]">
        <sch:assert test="not(util:containsAnyOfTheTokens(@ism:noticeType, ('DoD-Dist-A')) or (@ism:externalNotice=true()))"
            flag="error"
            role="error">[ISM-ID-00159][Error] If ISM_USGOV_RESOURCE and: 1. attribute classification of ISM_RESOURCE_ELEMENT is not [U] AND 2. The attribute notice
does contains [DoD-Dist-A] or has attribute externalNotice with a value of [true]. Human Readable: Distribution statement A (Public Release) is forbidden on classified documents.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.96 - ./Rules/USDOD/ISM_ID_00161.sch

Rule Description

[ISM-ID-00161][Error] If the document is an 1. ISM_USDOD_RESOURCE AND 2. the attribute notice of ISM_RESOURCE_ELEMENT contains [DoD-Dist-A] AND 3. no portions in the document have their attribute excludeFromRollup set to [true] THEN there must not be any attribute nonICmarkings present. Human Readable: Distribution statement A (Public Release) is incompatible with any nonICMarkings if excludeFromRollup is not TRUE.

Code Description

If the document is an ISM_USDOD_RESOURCE and @ism:noticeType contains 'DoD-Dist-A' and no portions in the document have their @ism:excludeFromRollup set to true, then there must not be any @ism:nonICMarkings present.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00161">
    <sch:rule id="ISM-ID-00161-R1"
        context="*[$ISM_USDOD_RESOURCE and (util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/@ism:noticeType, ('DoD-Dist-A')) and not (@ism:excludeFromRollup=true()))]">
        <sch:assert test="not(@ism:nonICmarkings)" flag="error" role="error">[ISM-ID-00161][Error] Distribution statement A (Public Release) is incompatible with any
nonICMarkings if excludeFromRollup is not TRUE.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.97 - ./Rules/USDOD/ISM_ID_00162.sch

Rule Description

[ISM-ID-00162][Error] If ISM_USDOD_RESOURCE and 1. not ISM_DOD_DISTRO_EXEMPT AND 2. Attribute noticeType of ISM_RESOURCE_ELEMENT contains more than one of [DoD-Dist-A], [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], [DoD-Dist-F], or [DoD-Dist-X] Human Readable: All US DOD documents that do not claim exemption from DoD5230.24 distribution statements must have only 1 distribution statement for the entire document.

Code Description

If the document is an ISM_USDOD_RESOURCE and not ISM_DOD_DISTRO_EXEMPT, and the current element is the ISM_RESOURCE_ELEMENT, this rule ensures that attribute noticeType is specified with a value containing only one of [DoD-Dist-A], [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], [DoD-Dist-F], or [DoD-Dist-X].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00162">
    <sch:rule id="ISM-ID-00162-R1"
        context="*[$ISM_USDOD_RESOURCE and not($ISM_DOD_DISTRO_EXEMPT) and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)]">
        <sch:let name="matchingTokens"
            value="for $token in tokenize(normalize-space(string(@ism:noticeType)), ' ') return if(matches($token,'^DoD-Dist-[ABCDEFGX]$')) then $token else null"/>
        <sch:assert test="count($matchingTokens) <= 1" flag="error" role="error">[ISM-ID-00162][Error] All USA documents that do not claim exemption from DoD5230.24
distribution statements must have only 1 distribution statement for the entire document.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.98 - ./Rules/general/ISM_ID_00163.sch

Rule Description

[ISM-ID-00163][Error] If attribute nonUSControls exists either 1. the attribute ownerProducer must equal [NATO] or a [NATO:NAC] OR 2. the attribute FGIsorceOpen must contain [NATO] or a [NATO:NAC] OR 3. the attribute FGIsorceProtected is used (This should only be the case when it is a resource level or super portion marking) Human Readable: NATO and NATO/NACs are the only owner of classification markings for which nonUSControls are currently authorized.

Code Description

For each element which specifies attribute ism:nonUSControls, this rule ensures that either the attributes ism:ownerProducer or ism:FGIsorceOpen are specified with a value of [NATO] or [NATO:NAC] OR the ism:FGIsorceProtected attribute is specified.

NOTE: The last case with FGIsorceProtected should only occur when the element is either a resource node or is a super-portion such as the marking of a table where the table contains one or more portions meeting 1 or 2 from the rule description AND one or more portions with the FGIsorceProtected specified.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00163">
    <sch:rule id="ISM-ID-00163-R1" context="*[@ism:nonUSControls]">
        <sch:assert test="(matches(normalize-space(string(@ism:ownerProducer)), '^NATO:?') or matches(normalize-space(string(@ism:FGIsorceOpen)), 'NATO:?')) or
@ism:FGIsorceProtected"
                    flag="error"
                    role="error">[ISM-ID-00163][Error] If attribute nonUSControls exists the attribute ownerProducer must equal [NATO]. Human Readable: NATO and NATO/NACs are
the only owner of classification markings for which nonUSControls are currently authorized.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.99 - ../Rules/USGov/ISM_ID_00164.sch

Rule Description

[ISM-ID-00164][Error] If ISM_USGOV_RESOURCE and attribute disseminationControls contains the name token [RS], then attribute classification must have a value of [TS] or [S]. Human Readable: USA documents with RISK SENSITIVE dissemination must be classified SECRET or TOP SECRET.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [RS] this rule ensures that attribute ism:classification is not specified with a value of [TS] or [S].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00164">
    <sch:rule id="ISM-ID-00164-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('RS'))]">
        <sch:assert test="@ism:classification=('TS', 'S')" flag="error" role="error">[ISM-ID-00164][Error] If ISM_USGOV_RESOURCE and attribute disseminationControls contains
the name token [RS], then attribute classification must have a value of [TS] or [S]. Human Readable: USA documents with RISK SENSITIVE dissemination must be classified SECRET or TOP SECRET.</
sch:assert>

        </sch:rule>
    </sch:pattern>
```

2.100 - ./Rules/USGov/ISM_ID_00165.sch

Rule Description

[ISM-ID-00165][Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute disseminationControls containing [RS] then the ISM_RESOURCE_ELEMENT must have disseminationControls containing [RS]. Human Readable: USA documents having RISK SENSITIVE (RS) data must have RS at the resource level.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then this rule ensures that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00165" is-a="AttributeContributesToRollup">
    <sch:param name="attrLocalName" value="disseminationControls"/>
    <sch:param name="value" value="RS"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00165][Error] USA documents having RISK SENSITIVE (RS) data must have RS at the resource level.'"/>
</sch:pattern>
```

2.101 - ./Rules/USGov/ISM_ID_00166.sch

Rule Description

[ISM-ID-00166][Warning] Attribute classification should not contain any value which will be deprecated.

Code Description

For each element which specifies attribute ism:classification, this rule ensures that the value of ism:classification has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that classification value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00166" is-a="AttributeValueDeprecatedWarning">
    <sch:param name="ruleId" value="'ISM-ID-00166'"/>
    <sch:param name="context" value="*[@ism:classification]"/>
    <sch:param name="attrName" value="classification"/>
    <sch:param name="cveName" value="CVEnumISMClassificationAll"/>
    <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

2.102 - ../Rules/USGov/ISM_ID_00167.sch

Rule Description

[ISM-ID-00167][Error] If ISM_USGOV_RESOURCE and attribute displayOnlyTo is specified, then each of its values must be ordered in accordance with CVEnumISMCATrElTo.xml.

Code Description

This rule uses an abstract pattern to consolidate logic. It verifies that the attribute ism:\$attrLocalName has values in the same order as the list \$cveTermList, which is defined in the main schematron file, ISM_XML.sch.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00167" is-a="ValuesOrderedAccordingToCve">
    <sch:param name="attrLocalName" value="displayOnlyTo"/>
    <sch:param name="attrValueTokens"
        value="tokenize(normalize-space(string(@ism:displayOnlyTo)), ' ')" />
    <sch:param name="cveTermList" value="$displayOnlyToList" />
    <sch:param name="errorMessage"
        value="' [ISM-ID-00167][Error] If ISM_USGOV_RESOURCE and attribute displayOnlyTo is specified, then each of its values must be ordered in accordance with
CVEnumISMCATrElTo.xml. '" />
    </sch:pattern>
```

2.103 - ./Rules/USGov/ISM_ID_00168.sch

Rule Description

[ISM-ID-00168][Error] If ISM_USGOV_RESOURCE and attribute disseminationControls is not specified or is specified and does not contain the name token [DISPLAYONLY], then attribute displayOnlyTo must not be specified. Human Readable: If a portion in a USA document is not marked for DISPLAY ONLY dissemination, it must not list countries to which it may be disclosed.

Code Description

If the document is an ISM_USGOV_RESOURCE and attribute ism:disseminationControls does not contain the token [DISPLAYONLY], this rule ensures that the attribute ism:displayOnlyTo is not specified.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00168">
    <sch:rule id="ISM-ID-00168-R1"
        context="*[$ISM_USGOV_RESOURCE and not(util:containsAnyOfTheTokens(@ism:disseminationControls, ('DISPLAYONLY')))]">
        <sch:assert test="not(@ism:displayOnlyTo)" flag="error" role="error">[ISM-ID-00168][Error] If ISM_USGOV_RESOURCE and attribute disseminationControls is not specified or
is specified and does not contain the name token [DISPLAYONLY], then attribute displayOnlyTo must not be specified. Human Readable: If a portion in a USA document is not marked for DISPLAY
ONLY dissemination, it must not list countries to which it may be disclosed.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.104 - ./Rules/USGov/ISM_ID_00169.sch

Rule Description

[ISM-ID-00169][Error] If ISM_USGOV_RESOURCE, then for attribute disseminationControls the name tokens [DISPLAYONLY], [RELIDO] and [NF] are mutually exclusive. Human Readable: In a USA document, DISPLAY ONLY, RELIDO and NO FOREIGN dissemination are mutually exclusive for a single element.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [DISPLAYONLY], [RELIDO] or [NF], this rule ensures that attribute ism:disseminationControls is specified with a value containing only one of the tokens [DISPLAYONLY], [RELIDO] or [NF].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00169" is-a="MutuallyExclusiveAttributeValues">
    <sch:param name="context"
        value="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('DISPLAYONLY', 'RELIDO', 'NF'))]"/>
    <sch:param name="attrValue" value="@ism:disseminationControls"/>
    <sch:param name="mutuallyExclusiveTokenList"
        value="('DISPLAYONLY', 'RELIDO', 'NF')"/>
    <sch:param name="errMsg"
        value="' [ISM-ID-00169][Error] If ISM_USGOV_RESOURCE, then for attribute disseminationControls the name tokens [DISPLAYONLY], [RELIDO] and [NF] are mutually
exclusive. Human Readable: In a USA document, DISPLAY ONLY, RELIDO and NO FOREIGN dissemination are mutually exclusive for a single element. '"/>
</sch:pattern>
```

2.105 - ../Rules/USGov/ISM_ID_00170.sch

Rule Description

[ISM-ID-00170][Error] Attribute classification must not contain any values which have passed their deprecation date.

Code Description

For each element which specifies attribute ism:classification, this rule ensures that the value of ism:classification has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that classification value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00170" is-a="AttributeValueDeprecatedError">
    <sch:param name="ruleId" value="'ISM-ID-00170'"/>
    <sch:param name="context" value="*[@ism:classification]"/>
    <sch:param name="attrName" value="classification"/>
    <sch:param name="cveName" value="CVEnumISMClassificationAll"/>
    <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

2.106 - ../Rules/USGov/ISM_ID_00173.sch

Rule Description

[ISM-ID-00173][Error] If ISM_USGOV_RESOURCE and attribute atomicEnergyMarkings contains a name token starting with [RD-SG] or [FRD-SG], then attribute classification must have a value of [S] or [TS]. Human Readable: Portions in a USA document that contain RD or FRD SIGMA data must be marked SECRET or TOP SECRET.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which has attribute ism:atomicEnergyMarkings specified with a value containing a token starting with [RD-SG] or [FRD-SG], this rule ensures that the attribute ism:classification has a value of [S] or [TS].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00173">
    <sch:rule id="ISM-ID-00173-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:atomicEnergyMarkings, ('^RD-SG', '^FRD-SG'))]">
        <sch:assert test="@ism:classification = ('S','TS')" flag="error" role="error">[ISM-ID-00173][Error] If ISM_USGOV_RESOURCE and attribute atomicEnergyMarkings contains a
name token starting with [RD-SG] or [FRD-SG], then attribute classification must have a value of [S] or [TS]. Human Readable: Portions in a USA document that contain RD or FRD SIGMA data must
be marked SECRET or TOP SECRET.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.107 - ./Rules/USGov/ISM_ID_00174.sch

Rule Description

[ISM-ID-00174][Error] If ISM_USGOV_RESOURCE and attribute atomicEnergyMarkings contains the name token [RD], [FRD], or [TFNI], then attribute classification must have a value of [TS], [S], or [C]. Human Readable: USA documents with RD, FRD, or TFNI data must be marked CONFIDENTIAL, SECRET, or TOP SECRET.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which has attribute ism:atomicEnergyMarkings specified with a value containing the token [RD], [FRD], or [TFNI], this rule ensures that the attribute ism:classification has a value of [TS], [S], or [C].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00174">
    <sch:rule id="ISM-ID-00174-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD', 'FRD', 'TFNI'))]">
        <sch:assert test="@ism:classification = ('TS','S','C')"
            flag="error"
            role="error">[ISM-ID-00174][Error] If ISM_USGOV_RESOURCE and attribute atomicEnergyMarkings contains the name token [RD], [FRD], or [TFNI], then attribute
classification must have a value of [TS], [S], or [C]. Human Readable: USA documents with RD, FRD, or TFNI data must be marked CONFIDENTIAL, SECRET, or TOP SECRET.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.108 - ../Rules/USGov/ISM_ID_00175.sch

Rule Description

[ISM-ID-00175][Error] If ISM_USGOV_RESOURCE and attribute atomicEnergyMarkings contains the name token [RD-CNWDI], then attribute classification must have a value of [TS] or [S].

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which has attribute ism:atomicEnergyMarkings specified with a value containing the token [RD-CNWDI], this rule ensures that the attribute ism:classification has a value of [TS] or [S].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00175">
    <sch:rule id="ISM-ID-00175-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD-CNWDI'))]">
        <sch:assert test="@ism:classification = ('TS','S')" flag="error" role="error">[ISM-ID-00175][Error] If ISM_USGOV_RESOURCE and attribute atomicEnergyMarkings contains
the name token [RD-CNWDI], then attribute classification must have a value of [TS] or [S].</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.109 - ./Rules/USGov/ISM_ID_00176.sch

Rule Description

[ISM-ID-00176][Error] If ISM_USGOV_RESOURCE and attribute atomicEnergyMarkings has a name token containing [RD] or [FRD], then attributes declassDate and declassEvent cannot be specified on the resourceElement. Human Readable: Automatic declassification of documents containing RD or FRD information is prohibited. Attributes declassDate and declassEvent cannot be used in the classification authority block when RD or FRD is present.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which has attribute ism:atomicEnergyMarkings specified with a value containing the token [RD] or [FRD], this rule ensures that the resourceElement does not have attributes ism:declassDate or ism:declassEvent specified.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00176">
    <sch:rule id="ISM-ID-00176-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD', 'FRD'))]">
        <sch:assert test="not($ISM_RESOURCE_ELEMENT/@ism:declassDate or $ISM_RESOURCE_ELEMENT/@ism:declassEvent)"
            flag="error"
            role="error">[ISM-ID-00176][Error] Automatic declassification of documents containing RD or FRD information is prohibited. Attributes declassDate and
declassEvent cannot be used in the classification authority block when RD or FRD is present.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.110 - ../Rules/USGov/ISM_ID_00178.sch

Rule Description

[ISM-ID-00178][Error] If ISM_USGOV_RESOURCE and attribute atomicEnergyMarkings is specified, then each of its values must be ordered in accordance with CVEnumISMAtomicEnergyMarkings.xml.

Code Description

This rule uses an abstract pattern to consolidate logic. It verifies that the attribute ism:\$attrLocalName has values in the same order as the list \$cveTermList, which is defined in the main schematron file, ISM_XML.sch.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00178" is-a="ValuesOrderedAccordingToCve">
    <sch:param name="attrLocalName" value="atomicEnergyMarkings"/>
    <sch:param name="attrValueTokens"
        value="tokenize(normalize-space(string(@ism:atomicEnergyMarkings)), ' ' )"/>
    <sch:param name="cveTermList" value="$atomicEnergyMarkingsList"/>
    <sch:param name="errorMessage"
        value="' [ISM-ID-00178][Error] If ISM_USGOV_RESOURCE and attribute atomicEnergyMarkings is specified, then each of its values must be ordered in accordance with
CVEnumISMAtomicEnergyMarkings.xml. '"/>
</sch:pattern>
```

2.111 - ../Rules/USGov/ISM_ID_00179.sch

Rule Description

[ISM-ID-00179][Warning] Attribute disseminationControls should not contain any values which will be deprecated.

Code Description

For each element which specifies attribute ism:disseminationControls, this rule returns that the value of ism:disseminationControls has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that disseminationControls value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00179" is-a="AttributeValueDeprecatedWarning">
    <sch:param name="ruleId" value="'ISM-ID-00179'"/>
    <sch:param name="context" value="*[@ism:disseminationControls]"/>
    <sch:param name="attrName" value="disseminationControls"/>
    <sch:param name="cveName" value="CVEnumISMDissem"/>
    <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

2.112 - ../Rules/USGov/ISM_ID_00180.sch

Rule Description

[ISM-ID-00180][Error] Attribute disseminationControls must not contain values which have passed their deprecation date.

Code Description

For each element which specifies attribute ism:disseminationControls, this rule ensures that the value of ism:disseminationControls has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that disseminationControls value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00180" is-a="AttributeValueDeprecatedError">
    <sch:param name="ruleId" value="'ISM-ID-00180'"/>
    <sch:param name="context" value="*[@ism:disseminationControls]"/>
    <sch:param name="attrName" value="disseminationControls"/>
    <sch:param name="cveName" value="CEnumISMDissem"/>
    <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

2.113 - ./Rules/USGov/ISM_ID_00181.sch

Rule Description

[ISM-ID-00181][Error] If ISM_USGOV_RESOURCE and element's classification does not have a value of "U" then attribute atomicEnergyMarkings must not contain the name token [UCNI] or [DCNI]. Human Readable: UCNI and DCNI may only be used on UNCLASSIFIED portions.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which has attribute ism:atomicEnergyMarkings specified and has attribute ism:classification specified with a value other than [U], this rule ensures that attribute ism:atomicEnergyMarkings does not contain the token [UCNI] or [DNCI].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00181">
    <sch:rule id="ISM-ID-00181-R1"
        context="*[$ISM_USGOV_RESOURCE and @ism:atomicEnergyMarkings and not(@ism:classification='U')]">
        <sch:assert test="not(util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('UCNI', 'DCNI')))"
            flag="error"
            role="error">[ISM-ID-00181][Error] If ISM_USGOV_RESOURCE and element's classification does not have a value of "U" then attribute atomicEnergyMarkings must
not contain the name token [UCNI] or [DCNI]. Human Readable: UCNI and DCNI may only be used on UNCLASSIFIED portions.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.114 - ./Rules/USGov/ISM_ID_00183.sch

Rule Description

[ISM-ID-00183][Error] If ISM_USGOV_RESOURCE and attribute atomicEnergyMarkings contains a name token starting with [RD-SG], then it must also contain the name token [RD].

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which has attribute ism:atomicEnergyMarkings specified with a value containing a token starting with [RD-SG], this rule ensures that attribute ism:atomicEnergyMarkings also contains the token [RD].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00183">
    <sch:rule id="ISM-ID-00183-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:atomicEnergyMarkings, ('^RD-SG'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD'))"
            flag="error"
            role="error">[ISM-ID-00183][Error] If ISM_USGOV_RESOURCE and attribute atomicEnergyMarkings contains a name token starting with [RD-SG], then it must also
contain the name token [RD].</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.115 - ./Rules/USGov/ISM_ID_00184.sch

Rule Description

[ISM-ID-00184][Error] If ISM_USGOV_RESOURCE and attribute atomicEnergyMarkings contains a name token starting with [FRD-SG], then it must also contain the name token [FRD].

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which has attribute ism:atomicEnergyMarkings specified with a value containing a token starting with [FRD-SG], this rule ensures that attribute ism:atomicEnergyMarkings also contains the token [FRD].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00184">
    <sch:rule id="ISM-ID-00184-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:atomicEnergyMarkings, ('^FRD-SG'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('FRD'))"
            flag="error"
            role="error">[ISM-ID-00184][Error] If ISM_USGOV_RESOURCE and attribute atomicEnergyMarkings contains a name token starting with [FRD-SG], then it must also
contain the name token [FRD].</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.116 - ./Rules/USGov/ISM_ID_00185.sch

Rule Description

[ISM-ID-00185][Error] If ISM_USGOV_RESOURCE and attribute atomicEnergyMarkings contains the name token [RD-CNWDI], then it must also contain the name token [RD].

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which has attribute ism:atomicEnergyMarkings specified with a value containing the token [RD-CNWDI], this rule ensures that attribute ism:atomicEnergyMarkings also contains the token [RD].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00185">
    <sch:rule id="ISM-ID-00185-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:atomicEnergyMarkings, ('RD-CNWDI'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD'))"
            flag="error"
            role="error">[ISM-ID-00185][Error] If ISM_USGOV_RESOURCE and attribute atomicEnergyMarkings contains the name token [RD-CNWDI], then it must also contain
the name token [RD].</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.117 - ./Rules/USGov/ISM_ID_00186.sch

Rule Description

[ISM-ID-00186][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains a token matching [SI-G-XXXX], where X is represented by the regular expression character class [A-Z]{4}, then it must also contain the name token [SI-G]. Human Readable: A USA document that contains Special Intelligence (SI) GAMMA sub-compartments must also specify that it contains SI-GAMMA compartment data.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing a token matching [SI-G-XXXX], where X is represented by the regular expression character class [A-Z]{4}, this rule ensures that attribute ism:SCIcontrols is specified with a value containing the token [SI-G].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00186">
  <sch:rule id="ISM-ID-00186-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:SCIcontrols, ('^SI-G-[A-Z]{4}$'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:SCIcontrols, ('SI-G'))"
      flag="error"
      role="error">[ISM-ID-00186][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains a token matching [SI-G-XXXX], where X is represented by the
regular expression character class [A-Z]{4}, then it must also contain the name token [SI-G]. Human Readable: A USA document that contains Special Intelligence (SI) GAMMA sub-compartments must
also specify that it contains SI-GAMMA compartment data.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

2.118 - ./Rules/USGov/ISM_ID_00187.sch

Rule Description

[ISM-ID-00187][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [SI-G], then it must also contain the name token [SI]. Human Readable: A USA document that contains Special Intelligence (SI) -GAMMA compartment data must also specify that it contains SI data.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [SI-G] this rule ensures that attribute ism:SCIcontrols is specified with a value containing the token [SI].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00187">
    <sch:rule id="ISM-ID-00187-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('SI-G'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:SCIcontrols, ('SI'))"
            flag="error"
            role="error">[ISM-ID-00187][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [SI-G], then it must also contain the name token
[SI]. Human Readable: A USA document that contains Special Intelligence (SI) -GAMMA compartment data must also specify that it contains SI data.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.119 - ../Rules/USGov/ISM_ID_00188.sch

Rule Description

[ISM-ID-00188][Warning] Attribute FGIsourceOpen should not contain any value which will be deprecated.

Code Description

For each element which specifies attribute ism:FGIsourceOpen, this rule ensures that the value of ism:FGIsourceOpen has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that FGIsourceOpen value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00188" is-a="AttributeValueDeprecatedWarning">
    <sch:param name="ruleId" value="'ISM-ID-00188'"/>
    <sch:param name="context" value="*[@ism:FGIsourceOpen]"/>
    <sch:param name="attrName" value="FGIsourceOpen"/>
    <sch:param name="cveName" value="CVEnumISMCAIFGIsourceOpen"/>
    <sch:param name="cveSpec" value="ISMCAIF"/>
</sch:pattern>
```

2.120 - ../Rules/USGov/ISM_ID_00189.sch

Rule Description

[ISM-ID-00189][Error] Attribute FGIsourceOpen must not contain values that have passed their deprecation date.

Code Description

For each element which specifies attribute ism:FGIsourceOpen, this rule ensures that the value of ism:FGIsourceOpen has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that FGIsourceOpen value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00189" is-a="AttributeValueDeprecatedError">
    <sch:param name="ruleId" value="'ISM-ID-00189'"/>
    <sch:param name="context" value="*[@ism:FGIsourceOpen]"/>
    <sch:param name="attrName" value="FGIsourceOpen"/>
    <sch:param name="cveName" value="CVEnumISMCAIFGIsourceOpen"/>
    <sch:param name="cveSpec" value="ISMCAIF"/>
</sch:pattern>
```

2.121 - ../Rules/USGov/ISM_ID_00190.sch

Rule Description

[ISM-ID-00190][Warning] Attribute FGIsourceProtected should not contain any values which will be deprecated.

Code Description

For each element which specifies attribute ism:FGIsourceProtected, this rule ensures that the value of ism:FGIsourceProtected has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that FGIsourceProtected value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00190" is-a="AttributeValueDeprecatedWarning">
    <sch:param name="ruleId" value="'ISM-ID-00190'"/>
    <sch:param name="context" value="*[@ism:FGIsourceProtected]"/>
    <sch:param name="attrName" value="FGIsourceProtected"/>
    <sch:param name="cveName" value="CVEnumISMCAIFGIProtected"/>
    <sch:param name="cveSpec" value="ISMCAIF"/>
</sch:pattern>
```

2.122 - ../Rules/USGov/ISM_ID_00191.sch

Rule Description

[ISM-ID-00191][Error] Attribute FGIsourceProtected must not contain any values which have passed their deprecation date.

Code Description

For each element which specifies attribute ism:FGIsourceProtected, this rule ensures that the value of ism:FGIsourceProtected has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that FGIsourceProtected value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00191" is-a="AttributeValueDeprecatedError">
    <sch:param name="ruleId" value="'ISM-ID-00191'"/>
    <sch:param name="context" value="*[@ism:FGIsourceProtected]"/>
    <sch:param name="attrName" value="FGIsourceProtected"/>
    <sch:param name="cveName" value="CVEnumISMCAIFGIProtected"/>
    <sch:param name="cveSpec" value="ISMCAIF"/>
</sch:pattern>
```

2.123 - ../Rules/USGov/ISM_ID_00192.sch

Rule Description

[ISM-ID-00192][Warning] Attribute nonICmarkings should not contain any values which will be deprecated.

Code Description

For each element which specifies attribute ism:nonICmarkings, this rule ensures that the value of ism:nonICmarkings has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that nonICmarkings value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00192" is-a="AttributeValueDeprecatedWarning">
    <sch:param name="ruleId" value="'ISM-ID-00192'"/>
    <sch:param name="context" value="*[@ism:nonICmarkings]"/>
    <sch:param name="attrName" value="nonICmarkings"/>
    <sch:param name="cveName" value="CVEnumISMNonIC"/>
    <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

2.124 - ../Rules/USGov/ISM_ID_00193.sch

Rule Description

[ISM-ID-00193][Error] Attribute nonICmarkings must not contain values which have passed their deprecation date.

Code Description

For each element which specifies attribute ism:nonICmarkings, this rule ensures that the value of ism:nonICmarkings has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that nonICmarkings value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00193" is-a="AttributeValueDeprecatedError">
    <sch:param name="ruleId" value="'ISM-ID-00193'"/>
    <sch:param name="context" value="*[@ism:nonICmarkings]"/>
    <sch:param name="attrName" value="nonICmarkings"/>
    <sch:param name="cveName" value="CVEEnumISMNonIC"/>
    <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

2.125 - ../Rules/general/ISM_ID_00194.sch

Rule Description

[ISM-ID-00194][Warning] Attribute noticeType should not contain any values which will be deprecated.

Code Description

For each element which specifies attribute ism:noticeType, this rule ensures that the value of ism:noticeType has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that noticeType value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00194" is-a="AttributeValueDeprecatedWarning">
    <sch:param name="ruleId" value="'ISM-ID-00194'"/>
    <sch:param name="context" value="*[@ism:noticeType]"/>
    <sch:param name="attrName" value="noticeType"/>
    <sch:param name="cveName" value="CVEnumISMNotice"/>
    <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

2.126 - ../Rules/general/ISM_ID_00195.sch

Rule Description

[ISM-ID-00195][Error] Attribute noticeType must not contain values which have passed their deprecation date.

Code Description

For each element which specifies attribute ism:noticeType, this rule ensures that the value of ism:noticeType has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that noticeType value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00195" is-a="AttributeValueDeprecatedError">
    <sch:param name="ruleId" value="'ISM-ID-00195'"/>
    <sch:param name="context" value="*[@ism:noticeType]"/>
    <sch:param name="attrName" value="noticeType"/>
    <sch:param name="cveName" value="CVEnumISMNotice"/>
    <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

2.127 - ../Rules/USGov/ISM_ID_00196.sch

Rule Description

[ISM-ID-00196][Warning] Attribute ownerProducer should not contain any values which will be deprecated.

Code Description

For each element which specifies attribute ism:ownerProducer, this rule ensures that the value of ism:ownerProducer has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that ownerProducer value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00196" is-a="AttributeValueDeprecatedWarning">
    <sch:param name="ruleId" value="'ISM-ID-00196'"/>
    <sch:param name="context" value="*[@ism:ownerProducer]"/>
    <sch:param name="attrName" value="ownerProducer"/>
    <sch:param name="cveName" value="CVEnumISMCAOwnerProducer"/>
    <sch:param name="cveSpec" value="ISMCAOwnerProducer"/>
</sch:pattern>
```

2.128 - ../Rules/USGov/ISM_ID_00197.sch

Rule Description

[ISM-ID-00197][Error] Attribute ownerProducer must not contain values which have passed their deprecation date.

Code Description

For each element which specifies attribute ism:ownerProducer, this rule ensures that the value of ism:ownerProducer has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that ownerProducer value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00197" is-a="AttributeValueDeprecatedError">
    <sch:param name="ruleId" value="'ISM-ID-00197'"/>
    <sch:param name="context" value="*[@ism:ownerProducer]"/>
    <sch:param name="attrName" value="ownerProducer"/>
    <sch:param name="cveName" value="CVEnumISMCAOwnerProducer"/>
    <sch:param name="cveSpec" value="ISMCA"/>
</sch:pattern>
```

2.129 - ../Rules/USGov/ISM_ID_00198.sch

Rule Description

[ISM-ID-00198][Warning] Attribute releasableTo should not contain any values which will be deprecated.

Code Description

For each element which specifies attribute ism:releasableTo, this rule ensures that the value of ism:releasableTo has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that releasableTo value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00198" is-a="AttributeValueDeprecatedWarning">
    <sch:param name="ruleId" value="'ISM-ID-00198'"/>
    <sch:param name="context" value="*[@ism:releasableTo]"/>
    <sch:param name="attrName" value="releasableTo"/>
    <sch:param name="cveName" value="CVENumISMCARelTo"/>
    <sch:param name="cveSpec" value="ISMCArelTo"/>
</sch:pattern>
```

2.130 - ../Rules/USGov/ISM_ID_00199.sch

Rule Description

[ISM-ID-00199][Error] Attribute releasableTo must not contain values which have passed their deprecation date.

Code Description

For each element which specifies attribute ism:releasableTo, this rule ensures that the value of ism:releasableTo has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that releasableTo value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00199" is-a="AttributeValueDeprecatedError">
    <sch:param name="ruleId" value="'ISM-ID-00199'"/>
    <sch:param name="context" value="*[@ism:releasableTo]"/>
    <sch:param name="attrName" value="releasableTo"/>
    <sch:param name="cveName" value="CVEnumISMCARelTo"/>
    <sch:param name="cveSpec" value="ISMCArelTo"/>
</sch:pattern>
```

2.131 - ../Rules/USGov/ISM_ID_00200.sch

Rule Description

[ISM-ID-00200][Warning] Attribute displayOnlyTo should not contain any values which will be deprecated.

Code Description

For each element which specifies attribute ism:displayOnlyTo, this rule ensures that the value of ism:displayOnlyTo has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that displayOnlyTo value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00200" is-a="AttributeValueDeprecatedWarning">
    <sch:param name="ruleId" value="'ISM-ID-00200'"/>
    <sch:param name="context" value="*[@ism:displayOnlyTo]"/>
    <sch:param name="attrName" value="displayOnlyTo"/>
    <sch:param name="cveName" value="CVEnumISMCARelTo"/>
    <sch:param name="cveSpec" value="ISMCA" />
</sch:pattern>
```

2.132 - ../Rules/USGov/ISM_ID_00201.sch

Rule Description

[ISM-ID-00201][Error] Attribute displayOnlyTo must not contain values which have passed their deprecation date.

Code Description

For each element which specifies attribute ism:displayOnlyTo, this rule ensures that the value of ism:displayOnlyTo has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that displayOnlyTo value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00201" is-a="AttributeValueDeprecatedError">
    <sch:param name="ruleId" value="'ISM-ID-00201'"/>
    <sch:param name="context" value="*[@ism:displayOnlyTo]"/>
    <sch:param name="attrName" value="displayOnlyTo"/>
    <sch:param name="cveName" value="CVEnumISMCARelTo"/>
    <sch:param name="cveSpec" value="ISMCArelTo"/>
</sch:pattern>
```

2.133 - ../Rules/USGov/ISM_ID_00202.sch

Rule Description

[ISM-ID-00202][Warning] Attribute SARIdentifier should not contain any values which will be deprecated.

Code Description

For each element which specifies attribute ism:SARIdentifier, this rule ensures that the value of ism:SARIdentifier has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that SARIdentifier value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00202" is-a="AttributeValueDeprecatedWarning">
    <sch:param name="ruleId" value="'ISM-ID-00202'"/>
    <sch:param name="context" value="*[@ism:SARIdentifier]"/>
    <sch:param name="attrName" value="SARIdentifier"/>
    <sch:param name="cveName" value="CVEnumISMSAR"/>
    <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

2.134 - ../Rules/USGov/ISM_ID_00203.sch

Rule Description

[ISM-ID-00203][Error] Attribute SARIdentifier must not contain values which have passed their deprecation date.

Code Description

For each element which specifies attribute ism:SARIdentifier, this rule ensures that the value of ism:SARIdentifier has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that SARIdentifier value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00203" is-a="AttributeValueDeprecatedError">
    <sch:param name="ruleId" value="'ISM-ID-00203'"/>
    <sch:param name="context" value="*[@ism:SARIdentifier]"/>
    <sch:param name="attrName" value="SARIdentifier"/>
    <sch:param name="cveName" value="CVEnumISMSAR"/>
    <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

2.135 - ../Rules/USGov/ISM_ID_00204.sch

Rule Description

[ISM-ID-00204][Warning] Attribute SCIControls should not contain any values which will be deprecated.

Code Description

For each element which specifies attribute ism:SCIControls, this rule ensures that the value of ism:SCIControls has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that SCIControls value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00204" is-a="AttributeValueDeprecatedWarning">
    <sch:param name="ruleId" value="'ISM-ID-00204'"/>
    <sch:param name="context" value="*[@ism:SCIControls]"/>
    <sch:param name="attrName" value="SCIControls"/>
    <sch:param name="cveName" value="CVEnumISMSCIControls"/>
    <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

2.136 - ../Rules/USGov/ISM_ID_00205.sch

Rule Description

[ISM-ID-00205][Error] Attribute SCIControls must not contain values which have passed their deprecation date.

Code Description

For each element which specifies attribute ism:SCIControls, this rule ensures that the value of ism:SCIControls has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that SCIControls value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00205" is-a="AttributeValueDeprecatedError">
    <sch:param name="ruleId" value="'ISM-ID-00205'"/>
    <sch:param name="context" value="*[@ism:SCIControls]"/>
    <sch:param name="attrName" value="SCIControls"/>
    <sch:param name="cveName" value="CVEnumISMSCIControls"/>
    <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

2.137 - ../Rules/USGov/ISM_ID_00206.sch

Rule Description

[ISM-ID-00206][Warning] Attribute declassException should not contain any values which will be deprecated.

Code Description

For each element which specifies attribute ism:declassException, this rule ensures that the value of ism:declassException has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that declassException value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00206" is-a="AttributeValueDeprecatedWarning">
    <sch:param name="ruleId" value="'ISM-ID-00206'"/>
    <sch:param name="context" value="*[@ism:declassException]"/>
    <sch:param name="attrName" value="declassException"/>
    <sch:param name="cveName" value="CVEnumISM25X"/>
    <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

2.138 - ../Rules/USGov/ISM_ID_00207.sch

Rule Description

[ISM-ID-00207][Error] Attribute declassException must not contain values which have passed their deprecation date.

Code Description

For each element which specifies attribute ism:declassException, this rule ensures that the value of ism:declassException has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that declassException value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00207" is-a="AttributeValueDeprecatedError">
    <sch:param name="ruleId" value="'ISM-ID-00207'"/>
    <sch:param name="context" value="*[@ism:declassException]"/>
    <sch:param name="attrName" value="declassException"/>
    <sch:param name="cveName" value="CVEnumISM25X"/>
    <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

2.139 - ../Rules/USGov/ISM_ID_00208.sch

Rule Description

[ISM-ID-00208][Warning] Attribute atomicEnergyMarkings should not contain any values which will be deprecated.

Code Description

For each element which specifies attribute ism:atomicEnergyMarkings, this rule ensures that the value of ism:atomicEnergyMarkings has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that atomicEnergyMarkings value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00208" is-a="AttributeValueDeprecatedWarning">
    <sch:param name="ruleId" value="'ISM-ID-00208'"/>
    <sch:param name="context" value="*[@ism:atomicEnergyMarkings]"/>
    <sch:param name="attrName" value="atomicEnergyMarkings"/>
    <sch:param name="cveName" value="CVEnumISMAtomicEnergyMarkings"/>
    <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

2.140 - ../Rules/USGov/ISM_ID_00209.sch

Rule Description

[ISM-ID-00209][Error] Attribute atomicEnergyMarkings must not contain values which have passed their deprecation date.

Code Description

For each element which specifies attribute ism:atomicEnergyMarkings, this rule ensures that the value of ism:atomicEnergyMarkings has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that atomicEnergyMarkings value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00209" is-a="AttributeValueDeprecatedError">
    <sch:param name="ruleId" value="'ISM-ID-00209'"/>
    <sch:param name="context" value="*[@ism:atomicEnergyMarkings]"/>
    <sch:param name="attrName" value="atomicEnergyMarkings"/>
    <sch:param name="cveName" value="CVEnumISMAtomicEnergyMarkings"/>
    <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

2.141 - ../Rules/USGov/ISM_ID_00210.sch

Rule Description

[ISM-ID-00210][Warning] Attribute nonUSControls should not contain any values which will be deprecated.

Code Description

For each element which specifies attribute ism:nonUSControls, this rule ensures that the value of ism:nonUSControls has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that nonUSControls value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00210" is-a="AttributeValueDeprecatedWarning">
    <sch:param name="ruleId" value="'ISM-ID-00210'"/>
    <sch:param name="context" value="*[@ism:nonUSControls]"/>
    <sch:param name="attrName" value="nonUSControls"/>
    <sch:param name="cveName" value="CVEnumISMNonUSControls"/>
    <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

2.142 - ../Rules/USGov/ISM_ID_00211.sch

Rule Description

[ISM-ID-00211][Error] Attribute nonUSControls must not contain values which have passed their deprecation date.

Code Description

For each element which specifies attribute ism:nonUSControls, this rule ensures that the value of ism:nonUSControls has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that nonUSControls value. If the date value in @deprecated is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00211" is-a="AttributeValueDeprecatedError">
    <sch:param name="ruleId" value="'ISM-ID-00211'"/>
    <sch:param name="context" value="*[@ism:nonUSControls]"/>
    <sch:param name="attrName" value="nonUSControls"/>
    <sch:param name="cveName" value="CVEnumISMNonUSControls"/>
    <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

2.143 - ../Rules/USGov/ISM_ID_00213.sch

Rule Description

[ISM-ID-00213][Error] If ISM_USGOV_RESOURCE and attribute disseminationControls contains the name token [DISPLAYONLY], then attribute displayOnlyTo must be specified. Human Readable: A USA document with DISPLAY ONLY dissemination must indicate the countries to which it may be disclosed.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [DISPLAYONLY] this rule ensures that attribute ism:displayOnlyTo is specified.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00213">
    <sch:rule id="ISM-ID-00213-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('DISPLAYONLY'))]">
        <sch:assert test="@ism:displayOnlyTo" flag="error" role="error">[ISM-ID-00213][Error] If ISM_USGOV_RESOURCE and attribute disseminationControls contains the name token
[DISPLAYONLY], then attribute displayOnlyTo must be specified. Human Readable: A USA document with DISPLAY ONLY dissemination must indicate the countries to which it may be disclosed.</
sch:assert>

        </sch:rule>
    </sch:pattern>
```

2.144 - ../Rules/USGov/ISM_ID_00214.sch

Rule Description

[ISM-ID-00214][Error] If ISM_USGOV_RESOURCE then attribute releasableTo must start with [USA].

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute releasableTo this rule ensures that attribute releasableTo is specified with a value that starts with the token [USA].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00214">
  <sch:rule id="ISM-ID-00214-R1"
    context="*[$ISM_USGOV_RESOURCE and @ism:releasableTo]">
    <sch:assert test="index-of(tokenize(normalize-space(string(@ism:releasableTo)), ' '), 'USA')=1"
      flag="error"
      role="error">[ISM-ID-00214][Error] If ISM_USGOV_RESOURCE then attribute releasableTo must start with [USA].</sch:assert>
    </sch:rule>
  </sch:pattern>
```

2.145 - ../Rules/USGov/ISM_ID_00217.sch

Rule Description

[ISM-ID-00217][Error] If ISM_USGOV_RESOURCE attribute FGIsourceProtected contains [FGI], it must be the only value.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies the attribute ism:FGIsourceProtected, this rule ensures that attribute ism:FGIsourceProtected contains only the token [FGI].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00217">
  <sch:rule id="ISM-ID-00217-R1"
    context="*[$ISM_USGOV_RESOURCE and @ism:FGIsourceProtected]">
    <sch:assert test="normalize-space(string(@ism:FGIsourceProtected))='FGI'"
      flag="error"
      role="error">[ISM-ID-00217][Error] If ISM_USGOV_RESOURCE attribute FGIsourceProtected contains [FGI], it must be the only value.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

2.146 - ../Rules/USGov/ISM_ID_00219.sch

Rule Description

[ISM-ID-00219][Error] If element meets ISM_CONTRIBUTES and attribute ownerProducer contains the token [FGI], then attribute FGIsourceProtected must have a value containing the token [FGI]. Human Readable: Any non-resource element that contributes to the document's banner roll-up and has FOREIGN GOVERNMENT INFORMATION (FGI) must also specify attribute FGIsourceProtected with token FGI.

Code Description

For each element which is not the \$ISM_RESOURCE_ELEMENT and meets ISM_CONTRIBUTES and specifies attribute ism:ownerProducer with a value containing the token [FGI], this rule ensures that attribute ism:FGIsourceProtected is specified with a value containing the token [FGI].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00219">
    <sch:rule id="ISM-ID-00219-R1"
        context="*[not(generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)) and util:contributesToRollup(.) and util:containsAnyOfTheTokens(@ism:ownerProducer,
('FGI')))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:FGIsourceProtected, ('FGI'))"
            flag="error"
            role="error">[ISM-ID-00219][Error] If element meets ISM_CONTRIBUTES and attribute ownerProducer contains the token [FGI], then attribute FGIsourceProtected
must have a value containing the token [FGI]. Human Readable: Any non-resource element that contributes to the document's banner roll-up and has FOREIGN GOVERNMENT INFORMATION (FGI) must also
specify attribute FGIsourceProtected with token FGI.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.147 - ../Rules/USGov/ISM_ID_00221.sch

Rule Description

[ISM-ID-00221][Error] If ISM_USGOV_RESOURCE and attribute derivativelyClassifiedBy is specified, then attributes classificationReason or classifiedBy must not be specified. Human Readable: USA documents that are derivatively classified must not specify a classification reason or classified by.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:derivativelyClassifiedBy this rule ensures that attribute ism:classificationReason or ism:classifiedBy is NOT specified.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00221">
    <sch:rule id="ISM-ID-00221-R1"
        context="*[$ISM_USGOV_RESOURCE and @ism:derivativelyClassifiedBy]">
        <sch:assert test="not(@ism:classificationReason or @ism:classifiedBy)"
            flag="error"
            role="error">[ISM-ID-00221][Error] If ISM_USGOV_RESOURCE and attribute derivativelyClassifiedBy is specified, then attributes classificationReason or
classifiedBy must not be specified. Human Readable: USA documents that are derivatively classified must not specify a classification reason or classified by.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.148 - ../Rules/USGov/ISM_ID_00223.sch

Rule Description

[ISM-ID-00223][Error] If any elements in namespace urn:us:gov:ic:ism exist, the local name must exist in CVEnumISMElements.xml. Human Readable: Ensure that elements in the ISM namespace are defined by ISM.XML.

Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM_XML.sch), which reads values from a specific CVE file.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00223" is-a="ValidateValueExistenceInList">
    <sch:param name="context" value="ism:*/>
    <sch:param name="searchTerm" value="local-name()"/>
    <sch:param name="list" value="$validElementList"/>
    <sch:param name="errMsg"
        value="" [ISM-ID-00223][Error] If any elements in namespace urn:us:gov:ic:ism exist, the local name must exist in CVEnumISMElements.xml. Human Readable: Ensure
that elements in the ISM namespace are defined by ISM.XML. '"/>
</sch:pattern>
```

2.149 - ../Rules/USIC/ISM_ID_00225.sch

Rule Description

[ISM-ID-00225][Error] If subject to IC rules, then attribute nonICmarkings must not be specified with a value containing any name token starting with [ACCM] or [NNPI]. Human Readable: ACCM and NNPI tokens are not valid for documents that are subject to IC rules.

Code Description

If ISM_USIC_RESOURCE, for each element which has attribute ism:nonICmarkings specified, this rule ensures that attribute ism:nonICmarkings is not specified with a value containing a token which starts with [ACCM] or [NNPI].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00225">
    <sch:rule id="ISM-ID-00225-R1"
        context="*[$ISM_USIC_RESOURCE and @ism:nonICmarkings and util:contributesToRollup(.)]">
        <sch:assert test="not(util:containsAnyTokenMatching(@ism:nonICmarkings, ('ACCM', 'NNPI')))"
            flag="error"
            role="error">[ISM-ID-00225][Error] If not exempt from IC rules, then attribute nonICmarkings must not be specified with a value containing any name token
starting with [ACCM] or [NNPI]. Human Readable: ACCM and NNPI tokens are not valid for documents that are subject to IC rules.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.150 - ../Rules/USGov/ISM_ID_00226.sch

Rule Description

[ISM-ID-00226][Error] Attributes @ism:noticeType and @ism:unregisteredNoticeType may not both be used on the same element. Human Readable: Ensure that the ISM attributes noticeType and unregisteredNoticeType are not used on the same element.

Code Description

For each element which has attribute ism:noticeType specified, this rule ensures that ism:unregisteredNoticeType is not specified.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00226">
    <sch:rule id="ISM-ID-00226-R1" context="*[@ism:noticeType]">
        <sch:assert flag="error" test="not(@ism:unregisteredNoticeType)" role="error">[ISM-ID-00226][Error] @ism:noticeType and @ism:unregisteredNoticeType may not both be
applied to the same element. Human Readable: The ISM attributes noticeType and unregisteredNoticeType are mutually exclusive and cannot both be applied to the same element.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.151 - ../Rules/USDOD/ISM_ID_00227.sch

Rule Description

[ISM-ID-00227][Error] Attribute @noticeType may only appear on the resource node when it contains the values [DoD-Dist-A], [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], [DoD-Dist-F], or [DoD-Dist-X]. Human Readable: Documents may only specify a document-level notice if it pertains to DoD Distribution.

Code Description

For every resource element with the ism:noticeType attribute specified, this rule ensures that attribute's value is one of [DoD-Dist-A], [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], [DoD-Dist-F], or [DoD-Dist-X] by using a regular expression.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00227">
    <sch:rule id="ISM-ID-00227-R1"
        context="*[generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and @ism:noticeType]">
        <sch:assert test="every $noticeToken in tokenize(normalize-space(string(@ism:noticeType)), ' ') satisfies matches($noticeToken, '^DoD-Dist-[ABCDEFX]')"
            flag="error"
            role="error">[ISM-ID-00227][Error] Attribute @noticeType may only appear on the resource node when it contains the values [DoD-Dist-A], [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], [DoD-Dist-F], or [DoD-Dist-X]. Human Readable: Documents may only specify a document-level notice if it pertains to DoD Distribution.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.152 - ../Rules/USGov/ISM_ID_00228.sch

Rule Description

[ISM-ID-00228][Error] If ISM_USGOV_RESOURCE and attribute atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [FRD] then at least one element meeting ISM_CONTRIBUTES in the document must have a atomicEnergyMarking attribute containing [FRD]. Human Readable: USA documents marked FRD at the resource level must have FRD data.

Code Description

If the document is an ISM_USGOV_RESOURCE, the current element is the ISM_RESOURCE_ELEMENT, and attribute ism:atomicEnergyMarkings is specified with a value containing the value [FRD], then this rule ensures that some element meeting ISM_CONTRIBUTES specifies attribute ism:atomicEnergyMarkings with a value containing [FRD].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00228">
    <sch:rule id="ISM-ID-00228-R1"
        context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('FRD'))]">
        <sch:assert test="index-of($partAtomicEnergyMarkings_tok, 'FRD')>0"
            flag="error"
            role="error">[ISM-ID-00228][Error] USA documents marked FRD at the resource level must have FRD data.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.153 - ./Rules/USGov/ISM_ID_00229.sch

Rule Description

[ISM-ID-00229][Error] If ISM_USGOV_RESOURCE and attribute atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [RD] then at least one element meeting ISM_CONTRIBUTES in the document must have a atomicEnergyMarking attribute containing [RD]. Human Readable: USA documents marked RD at the resource level must have RD data.

Code Description

If the document is an ISM_USGOV_RESOURCE, the current element is the ISM_RESOURCE_ELEMENT, and attribute ism:atomicEnergyMarkings is specified with a value containing the value [RD], then this rule ensures that some element meeting ISM_CONTRIBUTES specifies attribute ism:atomicEnergyMarkings with a value containing [RD].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00229">
    <sch:rule id="ISM-ID-00229-R1"
        context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD'))]">
        <sch:assert test="index-of($partAtomicEnergyMarkings_tok, 'RD')>0"
            flag="error"
            role="error">[ISM-ID-00229][Error] USA documents marked RD at the resource level must have RD data.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.154 - ./Rules/USGov/ISM_ID_00230.sch

Rule Description

[ISM-ID-00230][Error] If ISM_USGOV_RESOURCE and attribute atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [FRD-SG-##] then at least one element meeting ISM_CONTRIBUTES in the document must have a atomicEnergyMarking attribute containing the same [FRD-SG-##]. Human Readable: USA documents marked FRD-SG-## at the resource level must have FRD-SG-## data, where ## is the same.

Code Description

If the document is an ISM_USGOV_RESOURCE, the current element is the ISM_RESOURCE_ELEMENT, and attribute ism:atomicEnergyMarkings is specified with a value containing a token matching [FRD-SG-##], then this rule ensures that some element meeting ISM_CONTRIBUTES specifies attribute ism:atomicEnergyMarkings with a value containing a token matching the same [FRD-SG-##].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00230">
  <sch:rule id="ISM-ID-00230-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)]">
    <sch:let name="matchingTokens"
      value="for $token in tokenize(normalize-space(string(@ism:atomicEnergyMarkings)), ' ') return if(matches($token,'^FRD-SG-[1-9][0-9]?$')) then $token else
null"/>
    <sch:assert test="every $token in $matchingTokens satisfies index-of($partAtomicEnergyMarkings_tok, $token) > 0"
      flag="error"
      role="error">[ISM-ID-00230][Error] USA documents marked FRD-SG-## at the resource level must have FRD-SG-## data, where ## is the same.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

2.155 - ./Rules/USGov/ISM_ID_00231.sch

Rule Description

[ISM-ID-00231][Error] If ISM_USGOV_RESOURCE and attribute atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [RD-SG-##] then at least one element meeting ISM_CONTRIBUTES in the document must have a atomicEnergyMarking attribute containing the same [RD-SG-##]. Human Readable: USA documents marked RD-SG-## at the resource level must have RD-SG-## or FRD-SG-## data, where ## is the same.

Code Description

If the document is an ISM_USGOV_RESOURCE, the current element is the ISM_RESOURCE_ELEMENT, and attribute ism:atomicEnergyMarkings is specified with a value containing a token matching [RD-SG-##], then this rule ensures that some element meeting ISM_CONTRIBUTES specifies attribute ism:atomicEnergyMarkings with a value containing a token matching the same [RD-SG-##] or [FRD-SG-##].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00231">
  <sch:rule id="ISM-ID-00231-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)]">
    <sch:let name="matchingTokens"
      value="for $token in tokenize(normalize-space(string(@ism:atomicEnergyMarkings)), ' ') return if(matches($token,'^RD-SG-[1-9][0-9]?$')) then $token else null"/>
    <sch:assert test="every $token in $matchingTokens satisfies (index-of($partAtomicEnergyMarkings_tok, $token) > 0 or index-of($partAtomicEnergyMarkings_tok,
concat('F', $token)) > 0)"
      flag="error"
      role="error">[ISM-ID-00231][Error] USA documents marked RD-SG-## at the resource level must have RD-SG-## or FRD-SG-## data, where ## is the same.</
sch:assert>
    </sch:rule>
  </sch:pattern>
```

2.156 - ../Rules/general/ISM_ID_00236.sch

Rule Description

[ISM-ID-00236][Error] Duplicate tokens are not permitted in ISM attributes.

Code Description

To determine the valid values, this rule first retrieves the CVE values for the attribute, which in this case is classification. Then, each attribute token is converted into a numerical value based on its characters. Next, each attribute token is given an order number, which compares its position to that of its value in the CVE file. If the token is not found, its order number will be -1. If the document is an IC resource and the ownerProducer of this element is 'USA', then the rule will fail if tokens are found with order numbers of -1. The rule will also fail if duplicate values are found for the element, or when its count is greater than 1.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00236">
    <sch:rule id="ISM-ID-00236-R1" context="*[@ism:*)"><!-- Define variables --><!-- Determine if the list has duplicate values. If and only if it does, figure out which ones
are duplicates -->
    <sch:let name="dupAttrs"
        value="for $attr in ./(@ism:atomicEnergyMarkings, @ism:classification, @ism:compliesWith, @ism:declassException, @ism:displayOnlyTo,
@ism:disseminationControls, @ism:exemptFrom, @ism:FGISourceOpen, @ism:FGISourceProtected, @ism:nonICmarkings, @ism:nonUSControls, @ism:noticeType, @ism:ownerProducer, @ism:pocType,
@ism:releasableTo, @ism:SARIdentifier, @ism:SCIcontrols) return if(count(distinct-values(tokenize(string($attr),' '))) != count(tokenize(string($attr),' ')) and not(local-
name($attr)='derivedFrom' or local-name($attr)='classificationReason')) then $attr else null"/>
        <sch:let name="hasDups" value="count($dupAttrs)>0"/>
        <sch:let name="dupValues"
            value="if ($hasDups) then distinct-values( for $attrib in $dupAttrs return for $each in tokenize(string($attrib),' ') return if(count(index-
of(tokenize(string($attrib),' '), $each))>1) then concat(string($each),' in attribute ', $attrib/name(),'; ') else null) else null"/>
        <sch:assert test="not($hasDups)" flag="error" role="error">[ISM-ID-00236][Error] Duplicate tokens are not permitted in ISM attributes. Duplicate values found: [
    <sch:value-of select="$dupValues"/>]
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.157 - ./Rules/USDOD/ISM_ID_00237.sch

Rule Description

[ISM-ID-00237][Error] If ISM_USDOD_RESOURCE, any element which specifies attribute noticeType containing one of the tokens [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], [DoD-Dist-F], or [DoD-Dist-X] must also specify attribute noticeDate. Human Readable: DoD distribution statements B, C, D ,E ,F, and X all require a date.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which has attribute ism:noticeType specified with a value containing the token [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], [DoD-Dist-F], or [DoD-Dist-X], this rule ensures that attribute ism:noticeDate is specified.

Schematron Code

```
<?ICEA pattern?>
<sch:pattern id="ISM-ID-00237">
    <sch:rule id="ISM-ID-00237-R1"
        context="*[$ISM_USDOD_RESOURCE and util:containsAnyOfTheTokens(@ism:noticeType, ('DoD-Dist-B', 'DoD-Dist-C', 'DoD-Dist-D', 'DoD-Dist-E', 'DoD-Dist-F', 'DoD-Dist-
X')))]">
        <sch:assert test="@ism:noticeDate" flag="error" role="error">[ISM-ID-00237][Error] DoD distribution statements B, C, D ,E ,F, and X all require a date.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.158 - ../Rules/USDOD/ISM_ID_00238.sch

Rule Description

[ISM-ID-00238][Error] If ISM_USDOD_RESOURCE, if any element specifies attribute noticeType containing one of the tokens [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], [DoD-Dist-F], or [DoD-Dist-X], then an element in the document must specify attribute pocType with the same value as attribute noticeType. Human Readable: DoD distribution statements B, C, D ,E ,F, and X all require a corresponding point of contact.

Code Description

If the document is an ISM_USDOD_RESOURCE, for each element which has attribute ism:noticeType specified with a value containing the token [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], [DoD-Dist-F], or [DoD-Dist-X], this rule ensures that some element in the document specifies attribute ism:pocType with the same value as ism:noticeType.

Schematron Code

```
<?ICEA pattern?>
<sch:pattern id="ISM-ID-00238">
  <sch:rule id="ISM-ID-00238-R1"
    context="*[$ISM_USDOD_RESOURCE and util:containsAnyOfTheTokens(@ism:noticeType, ('DoD-Dist-B', 'DoD-Dist-C', 'DoD-Dist-D', 'DoD-Dist-E', 'DoD-Dist-F', 'DoD-Dist-
X'))]">
    <sch:let name="foundNoticeTokens"
      value="for $noticeToken in tokenize(normalize-space(string(@ism:noticeType)), ' ') return if(matches($noticeToken, '^DoD-Dist-[BCDEFX]')) then $noticeToken
    else null"/>
    <sch:assert test="every $noticeToken in $foundNoticeTokens satisfies index-of($partPocType_tok, $noticeToken)>0"
      flag="error"
      role="error">[ISM-ID-00238][Error] DoD distribution statements B, C, D ,E ,F, and X all require a corresponding point of contact.</sch:assert>
  </sch:rule>
</sch:pattern>
```

2.159 - ./Rules/USDOD/ISM_ID_00239.sch

Rule Description

[ISM-ID-00239][Error] If ISM_USDOD_RESOURCE and attribute noticeType of ISM_RESOURCE_ELEMENT contains the token [DoD-Dist-A], then any element which contributes to rollup should not have an attribute @disseminationControls present. Human Readable: Distribution statement A (Public Release) is incompatible with @disseminationControls present for contributing portions.

Code Description

If the document is an ISM_USDOD_RESOURCE and the attribute noticeType of ISM_RESOURCE_ELEMENT contains the token [DoD-Dist-A], for each element which specifies attribute ism:disseminationControls this rule ensures that attribute ism:disseminationControls is not present.

Schematron Code

```
<?ICEA pattern?>
<sch:pattern id="ISM-ID-00239">
    <sch:rule id="ISM-ID-00239-R1"
        context="*[$ISM_USDOD_RESOURCE and util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/@ism:noticeType, ('DoD-Dist-A')) and not (@ism:excludeFromRollup=true())]">
        <sch:assert test="not(@ism:disseminationControls)" flag="error" role="error">[ISM-ID-00239][Error] If ISM_USDOD_RESOURCE and attribute noticeType of
ISM_RESOURCE_ELEMENT contains the token [DoD-Dist-A], then any element which contributes to rollup should not have an attribute @disseminationControls present. Human Readable: Distribution
statement A (Public Release) is incompatible with @disseminationControls present for contributing portions.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.160 - ../Rules/USDOD/ISM_ID_00240.sch

Rule Description

[ISM-ID-00240][Error] If ISM_USDOD_RESOURCE and attribute noticeType of ISM_RESOURCE_ELEMENT contains the token [DoD-Dist-A], then any element which contributes to rollup should not have an attribute @atomicEnergyMarkings present. Human Readable: Distribution statement A (Public Release) is incompatible with @atomicEnergyMarkings.

Code Description

If the document is an ISM_USDOD_RESOURCE and the attribute noticeType of ISM_RESOURCE_ELEMENT contains the token [DoD-Dist-A], for each element which specifies attribute ism:atomicEnergyMarkings this rule ensures that attribute ism:atomicEnergyMarkings is not present.

Schematron Code

```
<?ICEA pattern?>
<sch:pattern id="ISM-ID-00240">
  <sch:rule id="ISM-ID-00240-R1"
    context="*[$ISM_USDOD_RESOURCE and util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/@ism:noticeType, ('DoD-Dist-A')) and not (@ism:excludeFromRollup=true())]">
    <sch:assert test="not(@ism:atomicEnergyMarkings)" flag="error" role="error">[ISM-ID-00240][Error] If ISM_USDOD_RESOURCE and attribute noticeType of ISM_RESOURCE_ELEMENT
contains the token [DoD-Dist-A], then any element which contributes to rolluop should not have an attribute @atomicEnergyMarkings present. Human Readable: Distribution statement A (Public
Release) is incompatible with presence of @atomicEnergyMarkings.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

2.161 - ../Rules/USGov/ISM_ID_00241.sch

Rule Description

[ISM-ID-00241][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [RSV-XXX], then it must also contain the name token [RSV]. Human Readable: A USA document that contains RESERVE data (RSV) compartment data must also specify that it contains RSV data.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing a token matching the regular expression "RSV-[A-Z0-9]{3}", this rule ensures that attribute ism:SCIcontrols is specified with a value containing the token [RSV].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00241">
    <sch:rule id="ISM-ID-00241-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:SCIcontrols, ('RSV-[A-Z0-9]{3}'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:SCIcontrols, ('RSV'))"
            flag="error"
            role="error">[ISM-ID-00241][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [RSV-XXX], then it must also contain the name
token [RSV]. Human Readable: A USA document that contains RESERVE data (RSV) compartment data must also specify that it contains RSV data.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.162 - ../Rules/USGov/ISM_ID_00242.sch

Rule Description

[ISM-ID-00242][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [RSV], then it must also have attribute classification with a value of [S] or [TS]. Human Readable: A USA document that contains RESERVE data must be classified SECRET or TOP SECRET.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [RSV], this rule ensures that attribute ism:classification is specified with a value containing the token [TS] or [S].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00242">
    <sch:rule id="ISM-ID-00242-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('RSV'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:classification, ('TS', 'S'))"
            flag="error"
            role="error">[ISM-ID-00242][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [RSV], then it must also have attribute
classification with a value of [S] or [TS]. Human Readable: A USA document that contains RESERVE data must be classified SECRET or TOP SECRET.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.163 - ./Rules/USGov/ISM_ID_00243.sch

Rule Description

[ISM-ID-00243][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [RSV], then it must also contain a compartment [RSV-XXX]. Human Readable: RESERVE is not permitted as a stand-alone value and a compartment must be expressed.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [RSV], this rule ensures that attribute ism:SCIcontrols is specified with a value containing a token maching the regular expression "RSV-[A-Z0-9]{3}". If IC Markings System Register and Manual rules do not apply to the document then the rule does not apply and this rule returns true. If the current element has attribute SCIcontrols specified with a value containing [RSV], then this rule ensures that attribute SCIcontrols also contains the value [RSV-XXX].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00243">
    <sch:rule id="ISM-ID-00243-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('RSV'))]">
        <sch:assert test="util:containsAnyTokenMatching(@ism:SCIcontrols, ('RSV-[A-Z0-9]{3}'))"
            flag="error"
            role="error">[ISM-ID-00243][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [RSV], then it must also contain a compartment
[RSV-XXX]. Human Readable: RESERVE is not permitted as a stand-alone value and a compartment must be expressed.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.164 - ../Rules/USGov/ISM_ID_00244.sch

Rule Description

[ISM-ID-00244][Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute atomicEnergyMarkings containing [RD-CNWDI] AND 2. No element meeting ISM_CONTRIBUTES in the document has noticeType containing [CNWDI]. that does not have attribute externalNotice with a value of [true]. Human Readable: USA documents containing CNWDI data must also have an CNWDI notice.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element meeting ISM_CONTRIBUTES which specifies attribute ism:atomicEnergyMarkings with a value containing the token [RD-CNWDI], then this rule ensures that some element in the document specifies attribute ism:noticeType with a value containing the token [CNWDI] and not an attribute externalNotice with a value of [true].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00244">
    <sch:rule id="ISM-ID-00244-R1"
        context="*[$ISM_USGOV_RESOURCE and util:contributesToRollup(.) and util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD-CNWDI'))]">
        <sch:assert test="some $elem in $partTags satisfies ($elem[@ism:noticeType] and util:containsAnyOfTheTokens($elem/@ism:noticeType, ('CNWDI')) and not ($elem/
@ism:externalNotice=true()))"
            flag="error"
            role="error">[ISM-ID-00244][Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute atomicEnergyMarkings
containing [RD-CNWDI] AND 2. No element meeting ISM_CONTRIBUTES in the document has noticeType containing [CNWDI]. Human Readable: USA documents containing CNWDI
notice.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.165 - ../Rules/USGov/ISM_ID_00245.sch

Rule Description

[ISM-ID-00245][Error] If ISM_USGOV_RESOURCE and: 1. No element without ism:excludeFromRollup=true() in the document has the attribute atomicEnergyMarkings containing [RD-CNWDI] AND 2. Any element without ism:excludeFromRollup=true() in the document has the attribute noticeType containing [CNWDI] and not the attribute externalNotice with a value of [true]. Human Readable: USA documents containing an CNWDI notice must also have RD-CNWDI data.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which meets ISM_CONTRIBUTES and specifies attribute ism:noticeType with a value containing the token [CNWDI] and not the attribute externalNotice with a value of [true], then this rule ensures that some element in the document specifies attribute ism:atomicEnergyMarkings with a value containing the token [RD-CNWDI].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00245">
    <sch:rule id="ISM-ID-00245-R1"
        context="*[$ISM_USGOV_RESOURCE and util:contributesToRollup(.) and (util:containsAnyOfTheTokens(@ism:noticeType, ('CNWDI')) and not
        (@ism:externalNotice=true()))]">
        <sch:assert test="index-of($partAtomicEnergyMarkings_tok, 'RD-CNWDI')>0"
            flag="error"
            role="error">[ISM-ID-00245][Error] If ISM_USGOV_RESOURCE and: 1. No element without ism:excludeFromRollup=true() in the document has the attribute
atomicEnergyMarkings containing [RD-CNWDI] AND 2. Any element without ism:excludeFromRollup=true() in the document has the attribute noticeType containing [CNWDI] without the attribute
externalNotice with a value of [true] Human Readable: USA documents containing an CNWDI notice must also have RD-CNWDI data.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.166 - ./Rules/USGov/ISM_ID_00246.sch

Rule Description

[ISM-ID-00246][Error] If ISM_USGOV_RESOURCE and attribute atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [RD], [FRD], or [TFNI] then the ISM_RESOURCE_ELEMENT must have a declassException of [AEA] or [NATO-AEA]. Human Readable: USA documents containing [RD], [FRD], or [TFNI] data must have declassException containing [AEA] or [NATO-AEA] at the resource level.

Code Description

If the document is an ISM_USGOV_RESOURCE, the current element is the ISM_RESOURCE_ELEMENT, and attribute ism:atomicEnergyMarkings is specified with a value containing a token matching [RD], [FRD], or [TFNI], then this rule ensures that the ISM_RESOURCE_ELEMENT has a declassException of [AEA] or [NATO-AEA].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00246">
    <sch:rule id="ISM-ID-00246-R1"
        context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD','FRD',
'TFNI'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:declassException, ('AEA', 'NATO-AEA'))"
            flag="error"
            role="error">[ISM-ID-00246][Error] USA documents containing [RD], [FRD], or [TFNI] data must have declassException containing [AEA] or [NATO-AEA] at the
resource level.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.167 - ../Rules/general/ISM_ID_00248.sch

Rule Description

[ISM-ID-00248][Error] ISM_RESOURCE_ELEMENT cannot have externalNotice set to [true]. Human Readable: ISM resource elements can not be external notices.

Code Description

If ISM_RESOURCE_ELEMENT, this rule ensures that the ISM_RESOURCE_ELEMENT does not contain externalNotice set to [true].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00248">
    <sch:rule id="ISM-ID-00248-R1"
        context="*[generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)][@ism:externalNotice]">
        <sch:assert test="not(string(@ism:externalNotice)=string(true()))"
            flag="error"
            role="error">[ISM-ID-00248][Error] ISM_RESOURCE_ELEMENT cannot have externalNotice set to [true]. Human Readable: ISM resource elements cannot be external
notices.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.168 - ./Rules/USGov/ISM_ID_00250.sch

Rule Description

[ISM-ID-00250][Error] If ISM_USGOV_RESOURCE, element Notice must specify attribute ism:noticeType or ism:unregisteredNoticeType. Human Readable: Notices must specify their type.

Code Description

This rule ensures for element ism:Notices must specify their type.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00250">
  <sch:rule id="ISM-ID-00250-R1" context="ism:Notice[$ISM_USGOV_RESOURCE]">
    <sch:assert test="@ism:noticeType or @ism:unregisteredNoticeType"
              flag="error"
              role="error">[ISM-ID-00250][Error] If ISM_USGOV_RESOURCE, element Notice must specify attribute ism:noticeType or ism:unregisteredNoticeType. Human
Readable: Notices must specify their type.</sch:assert>
  </sch:rule>
</sch:pattern>
```

2.169 - ../Rules/USIC/ISM_ID_00251.sch

Rule Description

[ISM-ID-00251][Error] If US IC resource, then attribute @ism:noticeType must not be specified with a value of [COMSEC]. Human Readable: COMSEC notices are not valid for US IC documents.

Code Description

If ISM_USIC_RESOURCE, for each element which has attribute @ism:noticeType specified, this rule ensures that attribute @ism:noticeType is not specified with a value containing token [COMSEC].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00251">
  <sch:rule id="ISM-ID-00251-R1"
    context="*[$ISM_USIC_RESOURCE and @ism:noticeType]">
    <sch:assert test="not(util:containsAnyTokenMatching(@ism:noticeType, 'COMSEC'))"
      flag="error"
      role="error">[ISM-ID-00251][Error] If ISM_USIC_RESOURCE, then attribute @ism:noticeType must not be specified with a value of [COMSEC]. Human Readable:
COMSEC notices are not valid for US IC documents.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

2.170 - ../Rules/USGov/ISM_ID_00252.sch

Rule Description

[ISM-ID-00252][Error] If ISM_RESOURCE_ELEMENT specifies the attribute ism:disseminationControls with a value containing the token [RELIDO], then attribute nonICmarkings must not be specified with a value containing the token [NNPI]. Human Readable: NNPI tokens are not valid for documents that have RELIDO at the resource level.

Code Description

For resource elements which have attribute ism:disseminationControls specified with a value containing the token [RELIDO], this rule ensures that attribute ism:nonICmarkings is not specified with a value containing the token [NNPI].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00252">
  <sch:rule id="ISM-ID-00252-R1"
    context="*[index-of(tokenize(normalize-space(string($ISM_RESOURCE_ELEMENT/ @ism:disseminationControls)), ' '), 'RELIDO') > 0 and @ism:nonICmarkings]">
    <sch:assert test="not(util:containsAnyTokenMatching(@ism:nonICmarkings, 'NNPI'))"
      flag="error"
      role="error">[ISM-ID-00252][Error] If ISM_RESOURCE_ELEMENT specifies the attribute ism:disseminationControls with a value containing the token [RELIDO],
then attribute nonICmarkings must not be specified with a value containing the token [NNPI]. Human Readable: NNPI tokens are not valid for documents that have RELIDO at the resource level.</
sch:assert>
    </sch:rule>
  </sch:pattern>
```

2.171 - ../Rules/USGov/ISM_ID_00253.sch

Rule Description

[ISM-ID-00253][Error] All @ism:atomicEnergyMarkings values must be defined in CVEnumISMAtomicEnergyMarkings.xml.

Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM_XML.sch), which reads values from a specific CVE file.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00253" is-a="ValidateTokenValuesExistenceInList">
    <sch:param name="context" value="*[@ism:atomicEnergyMarkings]"/>
    <sch:param name="searchTermList" value="@ism:atomicEnergyMarkings"/>
    <sch:param name="list" value="$atomicEnergyMarkingsList"/>
    <sch:param name="errMsg"
        value="'[ISM-ID-00253][Error] All @ism:atomicEnergyMarkings values must be defined in CVEnumISMAtomicEnergyMarkings.xml.'"/>
</sch:pattern>
```

2.172 - ../Rules/USGov/ISM_ID_00254.sch

Rule Description

[ISM-ID-00254][Error] All @ism:classification values must be a defined in CVEnumISMClassificationAll.xml.

Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM_XML.sch), which reads values from a specific CVE file.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00254" is-a="ValidateTokenValuesExistenceInList">
    <sch:param name="context" value="*[@ism:classification]"/>
    <sch:param name="searchTermList" value="@ism:classification"/>
    <sch:param name="list" value="$classificationAllList"/>
    <sch:param name="errMsg"
        value="' [ISM-ID-00254][Error] All @ism:classification values must be a defined in CVEnumISMClassificationAll.xml. '"/>
</sch:pattern>
```

2.173 - ../Rules/USGov/ISM_ID_00255.sch

Rule Description

[ISM-ID-00255][Error] All @ism:exemptFrom values must be defined in CVEnumISMExemptFrom.xml.

Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM_XML.sch), which reads values from a specific CVE file.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00255" is-a="ValidateTokenValuesExistenceInList">
    <sch:param name="context" value="*[@ism:exemptFrom]"/>
    <sch:param name="searchTermList" value="@ism:exemptFrom"/>
    <sch:param name="list" value="$exemptFromList"/>
    <sch:param name="errMsg"
        value="'[ISM-ID-00255][Error] All @ism:exemptFrom values must be defined in CVEnumISMExemptFrom.xml.'"/>
</sch:pattern>
```

2.174 - ./Rules/USGov/ISM_ID_00256.sch

Rule Description

[ISM-ID-00256][Error] All @ism:declassException values must be defined in CVEnumISM25X.xml.

Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM_XML.sch), which reads values from a specific CVE file.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00256" is-a="ValidateTokenValuesExistenceInList">
    <sch:param name="context" value="*[@ism:declassException]"/>
    <sch:param name="searchTermList" value="@ism:declassException"/>
    <sch:param name="list" value="$declassExceptionList"/>
    <sch:param name="errMsg"
        value="" [ISM-ID-00256][Error] All @ism:declassException values must be defined in CVEnumISM25X.xml. ""/>
</sch:pattern>
```

2.175 - ./Rules/USGov/ISM_ID_00257.sch

Rule Description

[ISM-ID-00257][Error] All @ism:displayOnlyTo values must be defined in CVEnumISMRelTo.xml.

Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM_XML.sch), which reads values from a specific CVE file.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00257" is-a="ValidateTokenValuesExistenceInList">
    <sch:param name="context" value="*[@ism:displayOnlyTo]"/>
    <sch:param name="searchTermList" value="@ism:displayOnlyTo"/>
    <sch:param name="list" value="$displayOnlyToList"/>
    <sch:param name="errMsg"
        value="" [ISM-ID-00257][Error] All @ism:displayOnlyTo values must be defined in CVEnumISMCARelTo.xml. ''/>
</sch:pattern>
```

2.176 - ../Rules/USGov/ISM_ID_00258.sch

Rule Description

[ISM-ID-00258][Error] All @ism:disseminationControls values must be a defined in CVEnumISMDissem.xml.

Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM_XML.sch), which reads values from a specific CVE file.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00258" is-a="ValidateTokenValuesExistenceInList">
    <sch:param name="context" value="*[@ism:disseminationControls]"/>
    <sch:param name="searchTermList" value="@ism:disseminationControls"/>
    <sch:param name="list" value="$disseminationControlsList"/>
    <sch:param name="errMsg"
        value="" [ISM-ID-00258][Error] All @ism:disseminationControls values must be a defined in CVEnumISMDissem.xml. ""/>
</sch:pattern>
```

2.177 - ./Rules/USGov/ISM_ID_00259.sch

Rule Description

[ISM-ID-00259][Error] All @ism:FGIsourceOpen values must be defined in CVEnumISMCAATFGIOpen.xml.

Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM_XML.sch), which reads values from a specific CVE file.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00259" is-a="ValidateTokenValuesExistenceInList">
    <sch:param name="context" value="*[@ism:FGIsourceOpen]"/>
    <sch:param name="searchTermList" value="@ism:FGIsourceOpen"/>
    <sch:param name="list" value="$FGIsourceOpenList"/>
    <sch:param name="errMsg"
        value="" [ISM-ID-00259][Error] All @ism:FGIsourceOpen values must be defined in CVEnumISMCAATFGIOpen.xml. ""/>
</sch:pattern>
```

2.178 - ../Rules/USGov/ISM_ID_00260.sch

Rule Description

[ISM-ID-00260][Error] All @ism:FGIsourceProtected values must be defined in CVEEnumISMCAATFGIProtected.xml.

Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM_XML.sch), which reads values from a specific CVE file.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00260" is-a="ValidateTokenValuesExistenceInList">
    <sch:param name="context" value="*[@ism:FGIsourceProtected]"/>
    <sch:param name="searchTermList" value="@ism:FGIsourceProtected"/>
    <sch:param name="list" value="$FGIsourceProtectedList"/>
    <sch:param name="errMsg"
        value="" [ISM-ID-00260][Error] All @ism:FGIsourceProtected values must be defined in CVEEnumISMCAATFGIProtected.xml. ''/>
</sch:pattern>
```

2.179 - ../Rules/USGov/ISM_ID_00261.sch

Rule Description

[ISM-ID-00261][Error] All @ism:nonICmarkings values that contributes to rollup must be defined in CVENumISMNonIC.xml. All non-ACCM @ism:nonICmarkings values that do not contribute to rollup must be defined in CVENumISMNonIC.xml.

Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM_XML.sch), which reads values from a specific CVE file. The \$contributesToRollup is a boolean that indicates whether the attribute values in the context contribute to rollup.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00261"
            is-a="ValidateTokenValuesExistenceInListWhenContributesToRollupACCM">
  <sch:param name="context" value="*[@ism:nonICmarkings]"/>
  <sch:param name="searchTermList" value="@ism:nonICmarkings"/>
  <sch:param name="list" value="$nonICmarkingsList"/>
  <sch:param name="contributesToRollup" value="util:contributesToRollup(.)"/>
  <sch:param name="nonACCMListTok"
            value="tokenize(normalize-space(string(util:getStringFromSequenceWithoutRegexValues($nonICmarkingsList, $ACCMRegex))), ' ')" />
  <sch:param name="nonACCMSearchTermList"
            value="util:getStringFromSequenceWithoutRegexValues(tokenize(normalize-space(string(@ism:nonICmarkings)), ' '), $ACCMRegex)" />
  <sch:param name="includedInRollUpErrorMessage"
            value="'[ISM-ID-00261][Error] All @ism:nonICmarkings values that contribute to rollup must be defined in CVENumISMNonIC.xml.'"/>
  <sch:param name="excludedFromRollUpNonACCMErrorMessage"
            value="'[ISM-ID-00261][Error] All non-ACCM @ism:nonICmarkings values that do not contribute to rollup must be defined in CVENumISMNonIC.xml.'"/>
</sch:pattern>
```

2.180 - ./Rules/USGov/ISM_ID_00262.sch

Rule Description

[ISM-ID-00262][Error] Any @ism:nonUSControls values must be defined in CVEnumISMNonUSControls.xml.

Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM_XML.sch), which reads values from a specific CVE file.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00262" is-a="ValidateTokenValuesExistenceInList">
    <sch:param name="context" value="*[@ism:nonUSControls]"/>
    <sch:param name="searchTermList" value="@ism:nonUSControls"/>
    <sch:param name="list" value="$nonUSControlsList"/>
    <sch:param name="errMsg"
        value="" [ISM-ID-00262][Error] Any @ism:nonUSControls values must be defined in CVEnumISMNonUSControls.xml. ""/>
</sch:pattern>
```

2.181 - ../Rules/USGov/ISM_ID_00263.sch

Rule Description

[ISM-ID-00263][Error] Any @ism:ownerProducer values must be defined in CVEnumISMCAOwnerProducer.xml.

Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM_XML.sch), which reads values from a specific CVE file.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00263" is-a="ValidateTokenValuesExistenceInList">
    <sch:param name="context" value="*[@ism:ownerProducer]"/>
    <sch:param name="searchTermList" value="@ism:ownerProducer"/>
    <sch:param name="list" value="$ownerProducerList"/>
    <sch:param name="errMsg"
        value="" [ISM-ID-00263][Error] Any @ism:ownerProducer values must be defined in CVEnumISMCAOwnerProducer.xml. ""/>
</sch:pattern>
```

2.182 - ../Rules/USGov/ISM_ID_00264.sch

Rule Description

[ISM-ID-00264][Error] Any @ism:pocType values must be defined in CVEnumISMPocType.xml.

Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM_XML.sch), which reads values from a specific CVE file.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00264" is-a="ValidateTokenValuesExistenceInList">
    <sch:param name="context" value="*[@ism:pocType]"/>
    <sch:param name="searchTermList" value="@ism:pocType"/>
    <sch:param name="list" value="$pocTypeList"/>
    <sch:param name="errMsg"
        value="" [ISM-ID-00264][Error] Any @ism:pocType values must be defined in CVEnumISMPocType.xml. ""/>
</sch:pattern>
```

2.183 - ./Rules/USGov/ISM_ID_00265.sch

Rule Description

[ISM-ID-00265][Error] Any @ism:releasableTo must be a value in CVENumISMRelTo.xml.

Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM_XML.sch), which reads values from a specific CVE file.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00265" is-a="ValidateTokenValuesExistenceInList">
    <sch:param name="context" value="*[@ism:releasableTo]"/>
    <sch:param name="searchTermList" value="@ism:releasableTo"/>
    <sch:param name="list" value="$releasableToList"/>
    <sch:param name="errMsg"
        value="" [ISM-ID-00265][Error] Any @ism:releasableTo must be a value in CVENumISMCARelTo.xml. ""/>
</sch:pattern>
```

2.184 - ../Rules/USGov/ISM_ID_00266.sch

Rule Description

[ISM-ID-00266][Error] Any @ism:SARIdentifier values that contributes to rollup must be defined in CVEnumISMSAR.xml.

Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM_XML.sch), which reads values from a specific CVE file. The \$contributesToRollup is a boolean that indicates whether the attribute values in the context contribute to rollup.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00266"
            is-a="ValidateTokenValuesExistenceInListWhenContributesToRollup">
    <sch:param name="context" value="*[@ism:SARIdentifier]"/>
    <sch:param name="searchTermList" value="@ism:SARIdentifier"/>
    <sch:param name="list" value="$SARIdentifierList"/>
    <sch:param name="contributesToRollup" value="util:contributesToRollup(.)"/>
    <sch:param name="errMsg"
              value="'[ISM-ID-00266][Error] All @ism:SARIdentifier values must be defined in CVEnumISMSAR.xml.'"/>
</sch:pattern>
```

2.185 - ../Rules/USGov/ISM_ID_00267.sch

Rule Description

[ISM-ID-00267][Error] All @ism:SCIcontrols values that contributes to rollup must be defined in CVEnumISMSCIControls.xml

Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM_XML.sch), which reads values from a specific CVE file. The \$contributesToRollup is a boolean that indicates whether the attribute values in the context contribute to rollup.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00267"
            is-a="ValidateTokenValuesExistenceInListWhenContributesToRollup">
  <sch:param name="context" value="*[@ism:SCIcontrols]"/>
  <sch:param name="searchTermList" value="@ism:SCIcontrols"/>
  <sch:param name="list" value="$SCIcontrolsList"/>
  <sch:param name="contributesToRollup" value="util:contributesToRollup(.)"/>
  <sch:param name="errMsg"
            value="'[ISM-ID-00267][Error] All @ism:SCIcontrols values must be defined in CVEnumISMSCIControls.xml.'"/>
</sch:pattern>
```

2.186 - ../Rules/USGov/ISM_ID_00268.sch

Rule Description

[ISM-ID-00268][Error] All atomicEnergyMarkings attributes must be of type NmTokens.

Code Description

For all elements which contain an atomicEnergyMarkings attribute, this rule ensures that the atomicEnergyMarkings value matches the pattern defined for type NmTokens.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00268">
    <sch:rule id="ISM-ID-00268-R1" context="*[@ism:atomicEnergyMarkings]">
        <sch:assert test="util:meetsType(@ism:atomicEnergyMarkings, $NmTokensPattern)"
                    flag="error"
                    role="error">[ISM-ID-00268][Error] All atomicEnergyMarkings attributes values must be of type NmTokens.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.187 - ./Rules/USGov/ISM_ID_00269.sch

Rule Description

[ISM-ID-00269][Error] All classification attributes must be of type NmToken.

Code Description

For all elements which contain an classification attribute, this rule ensures that the classification value matches the pattern defined for type NmTokens.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00269">
    <sch:rule id="ISM-ID-00269-R1" context="*[@ism:classification]">
        <sch:assert test="util:meetsType(@ism:classification, $NmTokenPattern)"
                    flag="error"
                    role="error">[ISM-ID-00269][Error] All classification attributes values must be of type NmToken.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.188 - ../Rules/USGov/ISM_ID_00270.sch

Rule Description

[ISM-ID-00270][Error] All classificationReason attributes must be a string with 4096 characters or less.

Code Description

For all elements which contain an classificationReason attribute, this rule ensures that the classificationReason value is a string with 4096 characters or less.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00270">
    <sch:rule id="ISM-ID-00270-R1" context="*[@ism:classificationReason]">
        <sch:assert test="string-length(@ism:classificationReason) &lt;= 4096"
                    flag="error"
                    role="error">[ISM-ID-00270][Error] All classificationReason attributes must be a string with 4096 characters or less.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.189 - ./Rules/USGov/ISM_ID_00271.sch

Rule Description

[ISM-ID-00271][Error] All classifiedBy attributes must be a string with less than 1024 characters.

Code Description

For all elements which contain an classifiedBy attribute, this rule ensures that the classifiedBy value is a string with less than 1024 characters.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00271">
    <sch:rule id="ISM-ID-00271-R1" context="*[@ism:classifiedBy]">
        <sch:assert test="string-length(@ism:classifiedBy) &lt;= 1024"
                    flag="error"
                    role="error">[ISM-ID-00271][Error] All classifiedBy attributes must be a string with less than 1024 characters.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.190 - ../Rules/USGov/ISM_ID_00272.sch

Rule Description

[ISM-ID-00272][Error] All compilationReason attributes must be a string with less than 1024 characters.

Code Description

For all elements which contain an compilationReason attribute, this rule ensures that the compilationReason value is a string with less than 1024 characters.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00272">
    <sch:rule id="ISM-ID-00272-R1" context="*[@ism:compilationReason]">
        <sch:assert test="string-length(@ism:compilationReason) &lt;= 1024"
                    flag="error"
                    role="error">[ISM-ID-00272][Error] All compilationReason attributes must be a string with less than 1024 characters.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.191 - ../Rules/USGov/ISM_ID_00273.sch

Rule Description

[ISM-ID-00273][Error] All exemptFrom attributes must be of type NmTokens.

Code Description

For all elements which contain an exemptFrom attribute, this rule ensures that the exemptFrom value matches the pattern defined for type NmTokens.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00273">
    <sch:rule id="ISM-ID-00273-R1" context="*[@ism:exemptFrom]">
        <sch:assert test="util:meetsType(@ism:exemptFrom, $NmTokensPattern)"
                    flag="error"
                    role="error">[ISM-ID-00273][Error] All exemptFrom attributes values must be of type NmTokens.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.192 - ./Rules/USGov/ISM_ID_00274.sch

Rule Description

[ISM-ID-00274][Error] All ISM createDate attributes must be a Date without a timezone.

Code Description

For all elements which contain a createDate attribute, this rule ensures that the createDate value matches the pattern defined for type Date without timezone information. The value must conform to the Regex '[0-9]{4}-[0-9]{2}-[0-9]{2}\$'

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00274">
    <sch:rule id="ISM-ID-00274-R1" context="*[@ism:createDate]">
        <sch:assert test="util:meetsType(@ism:createDate, $DatePattern)"
            flag="error"
            role="error">[ISM-ID-00274][Error] All createDate attribute values must be of type Date.</sch:assert>
        <sch:assert test="matches(@ism:createDate, '[0-9]{4}-[0-9]{2}-[0-9]{2}$')" role="">[ISM-ID-00274][Error] All createDate attribute values must not have any timezone
information specified.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.193 - ../Rules/USGov/ISM_ID_00275.sch

Rule Description

[ISM-ID-00275][Error] All declassDate attributes must be of type Date.

Code Description

For all elements which contain an declassDate attribute, this rule ensures that the declassDate value matches the pattern defined for type Date.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00275">
    <sch:rule id="ISM-ID-00275-R1" context="*[@ism:declassDate]">
        <sch:assert test="util:meetsType(@ism:declassDate, $DatePattern)"
                    flag="error"
                    role="error">[ISM-ID-00275][Error] All declassDate attributes values must be of type Date.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.194 - ../Rules/USGov/ISM_ID_00276.sch

Rule Description

[ISM-ID-00276][Error] All declassEvent attributes must be a string with less than 1024 characters.

Code Description

For all elements which contain an declassEvent attribute, this rule ensures that the declassEvent value is a string with less than 1024 characters.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00276">
    <sch:rule id="ISM-ID-00276-R1" context="*[@ism:declassEvent]">
        <sch:assert test="string-length(@ism:declassEvent) &lt;= 1024"
                    flag="error"
                    role="error">[ISM-ID-00276][Error] All declassEvent attributes must be a string with less than 1024 characters.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.195 - ../Rules/USGov/ISM_ID_00277.sch

Rule Description

[ISM-ID-00277][Error] All declassException attributes must be of type NmToken.

Code Description

For all elements which contain an declassException attribute, this rule ensures that the declassException value matches the pattern defined for type NmToken.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00277">
    <sch:rule id="ISM-ID-00277-R1" context="*[@ism:declassException]">
        <sch:assert test="util:meetsType(@ism:declassException, $NmTokenPattern)"
            flag="error"
            role="error">[ISM-ID-00277][Error] All declassException attributes values must be of type NmToken.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.196 - ../Rules/USGov/ISM_ID_00278.sch

Rule Description

[ISM-ID-00278][Error] All derivativelyClassifiedBy attributes must be a string with less than 1024 characters.

Code Description

For all elements which contain an derivativelyClassifiedBy attribute, this rule ensures that the derivativelyClassifiedBy value is a string with less than 1024 characters.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00278">
    <sch:rule id="ISM-ID-00278-R1" context="*[@ism:derivativelyClassifiedBy]">
        <sch:assert test="string-length(@ism:derivativelyClassifiedBy) &lt;= 1024"
                    flag="error"
                    role="error">[ISM-ID-00278][Error] All derivativelyClassifiedBy attributes must be a string with less than 1024 characters.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.197 - ../Rules/USGov/ISM_ID_00279.sch

Rule Description

[ISM-ID-00279][Error] All derivedFrom attributes must be a string with less than 1024 characters.

Code Description

For all elements which contain an derivedFrom attribute, this rule ensures that the derivedFrom value is a string with less than 1024 characters.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00279">
    <sch:rule id="ISM-ID-00279-R1" context="*[@ism:derivedFrom]">
        <sch:assert test="string-length(@ism:derivedFrom) &lt;= 1024"
                    flag="error"
                    role="error">[ISM-ID-00279][Error] All derivedFrom attributes must be a string with less than 1024 characters.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.198 - ../Rules/USGov/ISM_ID_00280.sch

Rule Description

[ISM-ID-00280][Error] All displayOnlyTo attributes must be of type NmTokens.

Code Description

For all elements which contain an displayOnlyTo attribute, this rule ensures that the displayOnlyTo value matches the pattern defined for type NmTokens.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00280">
    <sch:rule id="ISM-ID-00280-R1" context="*[@ism:displayOnlyTo]">
        <sch:assert test="util:meetsType(@ism:displayOnlyTo, $NmTokensPattern)"
            flag="error"
            role="error">[ISM-ID-00280][Error] All displayOnlyTo attributes values must be of type NmTokens.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.199 - ../Rules/USGov/ISM_ID_00281.sch

Rule Description

[ISM-ID-00281][Error] All disseminationControls attributes must be of type NmTokens.

Code Description

For all elements which contain a disseminationControls attribute, the disseminationControls value must match the pattern defined for type NmTokens.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00281">
    <sch:rule id="ISM-ID-00281-R1" context="*[@ism:disseminationControls]">
        <sch:assert test="util:meetsType(@ism:disseminationControls, $NmTokensPattern)"
            flag="error"
            role="error">[ISM-ID-00281][Error] All disseminationControls attributes values must be of type NmTokens.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.200 - ../Rules/USGov/ISM_ID_00282.sch

Rule Description

[ISM-ID-00282][Error] All excludeFromRollup attributes must be of type Boolean.

Code Description

For all elements which contain an excludeFromRollup attribute, this rule ensures that the excludeFromRollup value matches the pattern defined for type Boolean.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00282">
    <sch:rule id="ISM-ID-00282-R1" context="*[@ism:excludeFromRollup]">
        <sch:assert test="util:meetsType(@ism:excludeFromRollup, $BooleanPattern)"
            flag="error"
            role="error">[ISM-ID-00282][Error] All excludeFromRollup attributes values must be of type Boolean.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.201 - ../Rules/USGov/ISM_ID_00283.sch

Rule Description

[ISM-ID-00283][Error] All FGIsorceOpen attributes must be of type NmTokens.

Code Description

For all elements which contain an FGIsorceOpen attribute, this rule ensures that the FGIsorceOpen value matches the pattern defined for type NmTokens.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00283">
    <sch:rule id="ISM-ID-00283-R1" context="*[@ism:FGIsorceOpen]">
        <sch:assert test="util:meetsType(@ism:FGIsorceOpen, $NmTokensPattern)"
            flag="error"
            role="error">[ISM-ID-00283][Error] All FGIsorceOpen attributes values must be of type NmTokens.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.202 - ../Rules/USGov/ISM_ID_00284.sch

Rule Description

[ISM-ID-00284][Error] All FGIsourceProtected attributes must be of type NmTokens.

Code Description

For all elements which contain an FGIsourceProtected attribute, this rule ensures that the FGIsourceProtected value matches the pattern defined for type NmTokens.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00284">
    <sch:rule id="ISM-ID-00284-R1" context="*[@ism:FGIsourceProtected]">
        <sch:assert test="util:meetsType(@ism:FGIsourceProtected, $NmTokensPattern)"
            flag="error"
            role="error">[ISM-ID-00284][Error] All FGIsourceProtected attributes values must be of type NmTokens.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.203 - ../Rules/USGov/ISM_ID_00285.sch

Rule Description

[ISM-ID-00285][Error] All nonICmarkings attributes must be of type NmTokens.

Code Description

For all elements which contain an nonICmarkings attribute, this rule ensures that the nonICmarkings value matches the pattern defined for type NmTokens.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00285">
    <sch:rule id="ISM-ID-00285-R1" context="*[@ism:nonICmarkings]">
        <sch:assert test="util:meetsType(@ism:nonICmarkings, $NmTokensPattern)"
            flag="error"
            role="error">[ISM-ID-00285][Error] All nonICmarkings attributes values must be of type NmTokens.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.204 - ../Rules/USGov/ISM_ID_00286.sch

Rule Description

[ISM-ID-00286][Error] All nonUSControls attributes must be of type NmTokens.

Code Description

For all elements which contain an nonUSControls attribute, this rule ensures that the nonUSControls value matches the pattern defined for type NmTokens.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00286">
    <sch:rule id="ISM-ID-00286-R1" context="*[@ism:nonUSControls]">
        <sch:assert test="util:meetsType(@ism:nonUSControls, $NmTokensPattern)"
                    flag="error"
                    role="error">[ISM-ID-00286][Error] All nonUSControls attributes values must be of type NmTokens.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.205 - ../Rules/USGov/ISM_ID_00287.sch

Rule Description

[ISM-ID-00287][Error] All noticeDate attributes must be of type Date.

Code Description

For all elements which contain an noticeDate attribute, this rule ensures that the noticeDate value matches the pattern defined for type Date.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00287">
    <sch:rule id="ISM-ID-00287-R1" context="*[@ism:noticeDate]">
        <sch:assert test="util:meetsType(@ism:noticeDate, $DatePattern)"
            flag="error"
            role="error">[ISM-ID-00287][Error] All noticeDate attributes values must be of type Date.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.206 - ../Rules/USGov/ISM_ID_00288.sch

Rule Description

[ISM-ID-00288][Error] All noticeReason attributes must be a string with less than 2048 characters.

Code Description

For all elements which contain an noticeReason attribute, this rule ensures that the noticeReason value is a string with less than 2048 characters.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00288">
    <sch:rule id="ISM-ID-00288-R1" context="*[@ism:noticeReason]">
        <sch:assert test="string-length(@ism:noticeReason) &lt;= 2048"
                    flag="error"
                    role="error">[ISM-ID-00288][Error] All noticeReason attributes must be a string with less than 2048 characters.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.207 - ../Rules/USGov/ISM_ID_00289.sch

Rule Description

[ISM-ID-00289][Error] All noticeType attributes must be of type NmTokens.

Code Description

For all elements which contain an noticeType attribute, this rule ensures that the noticeType value matches the pattern defined for type NmTokens.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00289">
    <sch:rule id="ISM-ID-00289-R1" context="*[@ism:noticeType]">
        <sch:assert test="util:meetsType(@ism:noticeType, $NmTokensPattern)"
            flag="error"
            role="error">[ISM-ID-00289][Error] All noticeType attributes values must be of type NmTokens.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.208 - ../Rules/USGov/ISM_ID_00290.sch

Rule Description

[ISM-ID-00290][Error] All externalNotice attributes must be of type Boolean.

Code Description

For all elements which contain an externalNotice attribute, this rule ensures that the externalNotice value matches the pattern defined for type Boolean.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00290">
    <sch:rule id="ISM-ID-00290-R1" context="*[@ism:externalNotice]">
        <sch:assert test="util:meetsType(@ism:externalNotice, $BooleanPattern)"
            flag="error"
            role="error">[ISM-ID-00290][Error] All externalNotice attributes values must be of type Boolean.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.209 - ../Rules/USGov/ISM_ID_00291.sch

Rule Description

[ISM-ID-00291][Error] All ownerProducer attributes must be of type NmTokens.

Code Description

For all elements which contain an ownerProducer attribute, this rule ensures that the ownerProducer value matches the pattern defined for type NmTokens.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00291">
    <sch:rule id="ISM-ID-00291-R1" context="*[@ism:ownerProducer]">
        <sch:assert test="util:meetsType(@ism:ownerProducer, $NmTokensPattern)"
            flag="error"
            role="error">[ISM-ID-00291][Error] All ownerProducer attributes values must be of type NmTokens.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.210 - ./Rules/USGov/ISM_ID_00292.sch

Rule Description

[ISM-ID-00292][Error] All pocType attributes must be of type NmTokens.

Code Description

For all elements which contain an pocType attribute, this rule ensures that the pocType value matches the pattern defined for type NmTokens.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00292">
    <sch:rule id="ISM-ID-00292-R1" context="*[@ism:pocType]">
        <sch:assert test="util:meetsType(@ism:pocType, $NmTokensPattern)"
            flag="error"
            role="error">[ISM-ID-00292][Error] All pocType attributes values must be of type NmTokens.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.211 - ./Rules/USGov/ISM_ID_00293.sch

Rule Description

[ISM-ID-00293][Error] All releasableTo attributes must be of type NmTokens.

Code Description

For all elements which contain an releasableTo attribute, this rule ensures that the releasableTo value matches the pattern defined for type NmTokens.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00293">
    <sch:rule id="ISM-ID-00293-R1" context="*[@ism:releasableTo]">
        <sch:assert test="util:meetsType(@ism:releasableTo, $NmTokensPattern)"
            flag="error"
            role="error">[ISM-ID-00293][Error] All releasableTo attributes values must be of type NmTokens.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.212 - ../Rules/USGov/ISM_ID_00294.sch

Rule Description

[ISM-ID-00294][Error] All resourceElement attributes must be of type Boolean.

Code Description

For all elements which contain an resourceElement attribute, this rule ensures that the resourceElement value matches the pattern defined for type Boolean. Note: this rule is not able to be failed. If the resourceElement does not confirm to type Boolean, schematron fails when defining global variables before any rules are fired.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00294">
    <sch:rule id="ISM-ID-00294-R1" context="*[@ism:resourceElement]">
        <sch:assert test="util:meetsType(@ism:resourceElement, $BooleanPattern)"
            flag="error"
            role="error">[ISM-ID-00294][Error] All resourceElement attributes values must be of type Boolean.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.213 - ../Rules/USGov/ISM_ID_00295.sch

Rule Description

[ISM-ID-00295][Error] All SARIdentifier attributes must be of type NmTokens.

Code Description

For all elements which contain an SARIdentifier attribute, this rule ensures that the SARIdentifier value matches the pattern defined for type NmTokens.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00295">
    <sch:rule id="ISM-ID-00295-R1" context="*[@ism:SARIdentifier]">
        <sch:assert test="util:meetsType(@ism:SARIdentifier, $NmTokensPattern)"
            flag="error"
            role="error">[ISM-ID-00295][Error] All SARIdentifier attributes values must be of type NmTokens.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.214 - ../Rules/USGov/ISM_ID_00296.sch

Rule Description

[ISM-ID-00296][Error] All SCIcontrols attributes must be of type NmTokens.

Code Description

For all elements which contain an SCIcontrols attribute, this rule ensures that the SCIcontrols value matches the pattern defined for type NmTokens.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00296">
    <sch:rule id="ISM-ID-00296-R1" context="*[@ism:SCIcontrols]">
        <sch:assert test="util:meetsType(@ism:SCIcontrols, $NmTokensPattern)"
            flag="error"
            role="error">[ISM-ID-00296][Error] All SCIcontrols attributes values must be of type NmTokens.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.215 - ./Rules/USGov/ISM_ID_00297.sch

Rule Description

[ISM-ID-00297][Error] All unregisteredNoticeType attributes must be a string with less than 2048 characters.

Code Description

For all elements which contain an unregisteredNoticeType attribute, this rule ensures that the unregisteredNoticeType value is a string with less than 2048 characters.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00297">
    <sch:rule id="ISM-ID-00297-R1" context="*[@ism:unregisteredNoticeType]">
        <sch:assert test="string-length(@ism:unregisteredNoticeType) &lt;= 2048"
                    flag="error"
                    role="error">[ISM-ID-00297][Error] All unregisteredNoticeType attributes must be a string with less than 2048 characters.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.216 - ./Rules/USGov/ISM_ID_00298.sch

Rule Description

[ISM-ID-00298][Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document specifies attribute atomicEnergyMarkings with a value containing [TFNI] and no elements meeting ISM_CONTRIBUTES having the attribute atomicEnergyMarkings containing [RD] or [FRD], then the ISM_RESOURCE_ELEMENT must specify attribute atomicEnergyMarkings with a value containing [TFNI]. Human Readable: USA documents having Transclassified Foreign Nuclear Information (TFNI) and not having Restricted Data (RD) or Formerly Restricted Data (FRD) must have TFNI at the resource level.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then this rule ensures that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00298" is-a="AttributeContributesToRollupWithException">
    <sch:param name="attrLocalName" value="atomicEnergyMarkings"/>
    <sch:param name="exceptAttrLocalName" value="atomicEnergyMarkings"/>
    <sch:param name="value" value="TFNI"/>
    <sch:param name="exceptValueList" value="('RD', 'FRD')"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00298][Error] USA documents having Transclassified Foreign Nuclear Information (TFNI) and not having Restricted Data (RD) or Formerly Restricted
Data (FRD) must have TFNI at the resource level.'"/>
</sch:pattern>
```

2.217 - ./Rules/USGov/ISM_ID_00299.sch

Rule Description

[ISM-ID-00299][Error] If an element contains the attribute declassException with a value of [AEA], it must also contain the attribute atomicEnergyMarkings.

Code Description

If an element contains an ism:declassException attribute with a value containing AEA, this rule checks to make sure that element also has an ism:atomicEnergyMarkings attribute.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00299">
    <sch:rule id="ISM-ID-00299-R1"
        context="*[util:containsAnyTokenMatching(@ism:declassException, ('AEA'))]">
        <sch:assert test="@ism:atomicEnergyMarkings" flag="error" role="error">[ISM-ID-00299][Error] If an element contains the attribute declassException with a value of
[AEA], it must also contain the attribute atomicEnergyMarkings.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.218 - ../Rules/general/ISM_ID_00300.sch

Rule Description

[ISM-ID-00300][Warning] DESVersion attributes SHOULD be specified as revision 201609.201707 with an optional extension.

Code Description

This rule supports extending the version identifier with an optional trailing hypen and up to 23 additional characters. The version must match the regular expression “^201609.201707(-.{1,23})?.\$

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00300">
    <sch:rule id="ISM-ID-00300-R1" context="*[@ism:DESVersion]">
        <sch:assert test="matches(@ism:DESVersion, '^201609.201707(-.{1,23})?.$'"
            flag="warning"
            role="warning">[ISM-ID-00300][Warning] DESVersion attributes SHOULD be specified as revision 201609.201707 with an optional extension.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.219 - ./Rules/USGov/ISM_ID_00302.sch

Rule Description

[ISM-ID-00302][Error] If ISM_USGOV_RESOURCE and attribute disseminationControls contains the name token [OC-USGOV], then name token [OC] must be specified. Human Readable: A USA document with OC-USGOV dissemination must also contain an OC dissemination.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [OC-USGOV], this rule ensures that token [OC] is also specified.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00302">
    <sch:rule id="ISM-ID-00302-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC-USGOV'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC'))"
            flag="error"
            role="error">[ISM-ID-00302][Error] If ISM_USGOV_RESOURCE and attribute disseminationControls contains the name token [OC-USGOV], then name token [OC] must
be specified. Human Readable: A USA document with OC-USGOV dissemination must also contain an OC dissemination.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.220 - ../Rules/USGov/ISM_ID_00303.sch

Rule Description

[ISM-ID-00303][Error] If ISM_USGOV_RESOURCE and the document contains attribute disseminationControls with name token [OC-USGOV] in the banner, then all [OC] portions must also contain [OC-USGOV]. Human Readable: A USA document with OC-USGOV dissemination in the banner must also contain OC-USGOV in any OC portions.

Code Description

If the document is an ISM_USGOV_RESOURCE and the resource element contains attribute disseminationControls with name token [OC-USGOV], then this rule ensures that every portion contain name token [OC] also contains name token [OC-USGOV].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00303">
    <sch:rule id="ISM-ID-00303-R1"
        context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC-USGOV'))]">
        <sch:let name="portionsWithOC"
            value="for $portion in $partTags return if($portion[util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC'))]) then $portion else null"/>
        <sch:assert test="every $portionWithOC in $portionsWithOC satisfies $portionWithOC[util:containsAnyOfTheTokens(@ism:disseminationControls, 'OC-USGOV')]"
            flag="error"
            role="error">[ISM-ID-00303][Error] If ISM_USGOV_RESOURCE and the document contains attribute disseminationControls with name token [OC-USGOV] in the banner,
then all [OC] portions must also contain [OC-USGOV]. Human Readable: A USA document with OC-USGOV dissemination in the banner must also contain OC-USGOV in any OC portions.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.221 - ./Rules/USGov/ISM_ID_00304.sch

Rule Description

[ISM-ID-00304][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [TK-BLFH], then it must also contain the name token [TK]. Human Readable: A USA document that contains TALENT KEYHOLE (TK) - BLUEFISH compartment data must also specify that it contains TK data.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [TK-BLFH] this rule ensures that attribute ism:SCIcontrols is specified with a value containing the token [TK].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00304">
    <sch:rule id="ISM-ID-00304-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('TK-BLFH'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:SCIcontrols, ('TK'))"
            flag="error"
            role="error">[ISM-ID-00304][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [TK-BLFH], then it must also contain the name
token [TK]. Human Readable: A USA document that contains TALENT KEYHOLE (TK) -BLUEFISH compartment data must also specify that it contains TK data.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.222 - ../Rules/USGov/ISM_ID_00305.sch

Rule Description

[ISM-ID-00305][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [TK-IDIT], then it must also contain the name token [TK]. Human Readable: A USA document that contains TALENT KEYHOLE (TK) - IDITAROD compartment data must also specify that it contains TK data.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [TK-IDIT] this rule ensures that attribute ism:SCIcontrols is specified with a value containing the token [TK].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00305">
    <sch:rule id="ISM-ID-00305-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('TK-IDIT'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:SCIcontrols, ('TK'))"
            flag="error"
            role="error">[ISM-ID-00305][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [TK-IDIT], then it must also contain the name
token [TK]. Human Readable: A USA document that contains TALENT KEYHOLE (TK) -IDITAROD compartment data must also specify that it contains TK data.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.223 - ./Rules/USGov/ISM_ID_00306.sch

Rule Description

[ISM-ID-00306][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [TK-KAND], then it must also contain the name token [TK]. Human Readable: A USA document that contains TALENT KEYHOLE (TK) - KANDIK compartment data must also specify that it contains TK data.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [TK-KAND] this rule ensures that attribute ism:SCIcontrols is specified with a value containing the token [TK].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00306">
    <sch:rule id="ISM-ID-00306-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('TK-KAND'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:SCIcontrols, ('TK'))"
            flag="error"
            role="error">[ISM-ID-00306][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [TK-KAND], then it must also contain the name
token [TK]. Human Readable: A USA document that contains TALENT KEYHOLE (TK) -KANDIK compartment data must also specify that it contains TK data.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.224 - ../Rules/USGov/ISM_ID_00307.sch

Rule Description

[ISM-ID-00307][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains a token matching [TK-BLFH-XXXXXX], where X is represented by the regular expression character class [A-Z]{1,6}, then it must also contain the name token [TK-BLFH]. Human Readable: A USA document that contains TALENT KEYHOLE (TK) BLUEFISH sub-compartments must also specify that it contains TK -BLUEFISH compartment data.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing a token matching [TK-BLFH-XXXXXX], where X is represented by the regular expression character class [A-Z]{1,6}, this rule ensures that attribute ism:SCIcontrols is specified with a value containing the token [TK-BLFH].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00307">
    <sch:rule id="ISM-ID-00307-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:SCIcontrols, ('^TK-BLFH-[A-Z]{1,6}$'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:SCIcontrols, ('TK-BLFH'))"
            flag="error"
            role="error">[ISM-ID-00307][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains a token matching [TK-BLFH-XXXXXX], where X is represented by the
regular expression character class [A-Z]{1,6}, then it must also contain the name token [TK-BLFH]. Human Readable: A USA document that contains TALENT KEYHOLE (TK) BLUEFISH sub-compartments
must also specify that it contains TK -BLUEFISH compartment data.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.225 - ./Rules/USGov/ISM_ID_00308.sch

Rule Description

[ISM-ID-00308][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains a token matching [TK-IDIT-XXXXXX], where X is represented by the regular expression character class [A-Z]{1,6}, then it must also contain the name token [TK-IDIT]. Human Readable: A USA document that contains TALENT KEYHOLE (TK) IDITAROD sub-compartments must also specify that it contains TK -IDITAROD compartment data.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing a token matching [TK-IDIT-XXXXXX], where X is represented by the regular expression character class [A-Z]{1,6}, this rule ensures that attribute ism:SCIcontrols is specified with a value containing the token [TK-IDIT].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00308">
    <sch:rule id="ISM-ID-00308-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:SCIcontrols, ('^TK-IDIT-[A-Z]{1,6}$'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:SCIcontrols, ('TK-IDIT'))"
            flag="error"
            role="error">[ISM-ID-00308][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains a token matching [TK-IDIT-XXXXXX], where X is represented by the
regular expression character class [A-Z]{1,6}, then it must also contain the name token [TK-IDIT]. Human Readable: A USA document that contains TALENT KEYHOLE (TK) IDITAROD sub-compartments
must also specify that it contains TK -IDITAROD compartment data.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.226 - ../Rules/USGov/ISM_ID_00309.sch

Rule Description

[ISM-ID-00309][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains a token matching [TK-KAND-XXXXXX], where X is represented by the regular expression character class [A-Z]{1,6}, then it must also contain the name token [TK-KAND]. Human Readable: A USA document that contains TALENT KEYHOLE (TK) KANDIK sub-compartments must also specify that it contains TK -KANDIK compartment data.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing a token matching [TK-KAND-XXXXXX], where X is represented by the regular expression character class [A-Z]{1,6}, then this rule ensures that attribute ism:SCIcontrols is specified with a value containing the token [TK-KAND].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00309">
    <sch:rule id="ISM-ID-00309-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:SCIcontrols, ('^TK-KAND-[A-Z]{1,6}$'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:SCIcontrols, ('TK-KAND'))"
            flag="error"
            role="error">[ISM-ID-00309][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains a token matching [TK-KAND-XXXXXX], where X is represented by the
regular expression character class [A-Z]{1,6}, then it must also contain the name token [TK-KAND]. Human Readable: A USA document that contains TALENT KEYHOLE (TK) KANDIK sub-compartments must
also specify that it contains TK -KANDIK compartment data.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.227 - ./Rules/USGov/ISM_ID_00310.sch

Rule Description

[ISM-ID-00310][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [SI-EU], then it must also contain the name token [SI]. Human Readable: A USA document that contains ENDSEAL (SI) -ECRU compartment data must also specify that it contains =SI data.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [SI-EU] this rule ensures that attribute ism:SCIcontrols is specified with a value containing the token [SI].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00310">
    <sch:rule id="ISM-ID-00310-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('SI-EU'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:SCIcontrols, ('SI'))"
            flag="error"
            role="error">[ISM-ID-00310][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [SI-EU], then it must also contain the name token
[SI]. Human Readable: A USA document that contains ENDSEAL (SI) -ECRU compartment data must also specify that it contains SI data.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.228 - ./Rules/USGov/ISM_ID_00311.sch

Rule Description

[ISM-ID-00311][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [SI-NK], then it must also contain the name token [SI]. Human Readable: A USA document that contains ENDSEAL (SI) -NONBOOK compartment data must also specify that it contains SI data.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [SI-NK] this rule ensures that attribute ism:SCIcontrols is specified with a value containing the token [SI].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00311">
    <sch:rule id="ISM-ID-00311-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('SI-NK'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:SCIcontrols, ('SI'))"
            flag="error"
            role="error">[ISM-ID-00311][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [SI-NK], then it must also contain the name token
[SI]. Human Readable: A USA document that contains ENDSEAL (SI) -NONBOOK compartment data must also specify that it contains SI data.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.229 - ../Rules/USGov/ISM_ID_00313.sch

Rule Description

[ISM-ID-00313][Error] If nonICmarkings contains the token [ND] then the attribute disseminationControls must contain [NF]. Human Readable: NODIS data must be marked NOFORN.

Code Description

If the nonICmarkings contains the ND token, then check that the disseminationControls attribute must have NF specified.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00313">
    <sch:rule id="ISM-ID-00313-R1"
        context="*[util:containsAnyOfTheTokens(@ism:nonICmarkings, ('ND'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('NF'))"
            flag="error"
            role="error">[ISM-ID-00313][Error] If nonICmarkings contains the token [ND] then the attribute disseminationControls must contain [NF]. Human Readable:
NODIS data must be marked NOFORN.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.230 - ../Rules/USGov/ISM_ID_00314.sch

Rule Description

[ISM-ID-00314][Error] If nonICmarkings contains the token [XD] then the attribute disseminationControls must contain [NF]. Human Readable: EXDIS data must be marked NOFORN.

Code Description

If the nonICmarkings contains the ND token, then check that the disseminationControls attribute must have NF specified.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00314">
  <sch:rule id="ISM-ID-00314-R1"
    context="*[util:containsAnyOfTheTokens(@ism:nonICmarkings, ('XD'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('NF'))"
      flag="error"
      role="error">[ISM-ID-00314][Error] If nonICmarkings contains the token [XD] then the attribute disseminationControls must contain [NF]. Human Readable:
EXDIS data must be marked NOFORN.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

2.231 - ./Rules/USGov/ISM_ID_00315.sch

Rule Description

[ISM-ID-00315][Error] If classified element meets ISM_CONTRIBUTES and attribute ownerProducer contains the token [NATO], then attribute declassException must be specified with a value of [NATO] or [NATO-AEA] on the resourceElement. Human Readable: Any non-resource classified element that contributes to the document's banner roll-up and has NATO Information must also specify a NATO declass exemption on the banner.

Code Description

In a classified document that meets ISM_USGOV_RESOURCE, for each element which is not the \$ISM_RESOURCE_ELEMENT and meets ISM_CONTRIBUTES and specifies attribute ism:ownerProducer with a value containing the token [NATO], this rule ensures that attribute ism:declassExemption on the resource element is specified with a value containing the token [NATO] or [NATO-AEA].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00315">
    <sch:rule id="ISM-ID-00315-R1"
        context="*[not(generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)) and util:contributesToRollup(.) and $ISM_USGOV_RESOURCE and not(@ism:classification = 'U')
and util:containsAnyTokenMatching(@ism:ownerProducer, ('NATO:?'))]">
        <sch:assert test="util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/@ism:declassException, ('NATO', 'NATO-AEA'))"
            flag="error"
            role="error">[ISM-ID-00315][Error] If element meets ISM_CONTRIBUTES and attribute ownerProducer contains the token [NATO], then attribute declassException
must be specified with a value of [NATO] or [NATO-AEA] on the resourceElement. Human Readable: Any non-resource classified element that contributes to the document's banner roll-up and has
NATO Information) must also specify a NATO declass exemption on the banner.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.232 - ../Rules/USGov/ISM_ID_00316.sch

Rule Description

[ISM-ID-00316][Error] If ISM_USGOV_RESOURCE and attribute declassExemption of ISM_RESOURCE_ELEMENT contains [NATO] then at least one element meeting ISM_CONTRIBUTES in the document must have a ownerProducer attribute containing [NATO]. Human Readable: USA documents marked with a NATO declass exemption must have NATO portions.

Code Description

If the document is an ISM_USGOV_RESOURCE, the current element is the ISM_RESOURCE_ELEMENT, and attribute ism:declassExemption is specified with a value containing the value [NATO], then this rule ensures that some element meeting ISM_CONTRIBUTES specifies attribute ism:ownerProducer with a value containing [NATO].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00316">
    <sch:rule id="ISM-ID-00316-R1"
        context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:declassException, ('NATO'))]">
        <sch:assert test="util:containsAnyTokenMatching(string-join($partOwnerProducer_tok,' '), ('^NATO:?'))"
            flag="error"
            role="error">[ISM-ID-00316][Error] USA documents marked with a NATO declass exemption must have NATO portions.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.233 - ./Rules/USGov/ISM_ID_00317.sch

Rule Description

[ISM-ID-00317][Error] If ISM_USGOV_RESOURCE and attribute declassExemption of ISM_RESOURCE_ELEMENT contains [NATO-AEA] then at least one element meeting ISM_CONTRIBUTES in the document must have a ownerProducer attribute containing [NATO] and one portion containing ism:atomicEnergyMarkings. Human Readable: USA documents marked with a NATO-AEA declass exemption must have at least one NATO portion and one portion that contains Atomic Energy Markings.

Code Description

If the document is an ISM_USGOV_RESOURCE, the current element is the ISM_RESOURCE_ELEMENT, and attribute ism:declassExemption is specified with a value containing the value [NATO-AEA], then this rule ensures that some element meeting ISM_CONTRIBUTES specifies attribute ism:ownerProducer with a value containing [NATO] and ism:atomicEnergyMarkings.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00317">
    <sch:rule id="ISM-ID-00317-R1"
        context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:declassException, ('NATO-AEA'))]">
        <sch:assert test="util:containsAnyTokenMatching(string-join($partOwnerProducer_tok, ' '), ('NATO:?')) and count($partAtomicEnergyMarkings_tok)>0"
            flag="error"
            role="error">[ISM-ID-00317][Error] USA documents marked with a NATO-AEA declass exemption must have at least one NATO portion and one portion that contains
Atomic Energy Markings.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.234 - ../Rules/USGov/ISM_ID_00318.sch

Rule Description

[ISM-ID-00318][Error] Rollup compilation does not meet CAPCO guidance.

Code Description

Where an element is the resource element and contains the @ism:releasableTo attribute, check that the values specified meet minimum roll-up conditions. Check all contributing portions against the banner for the existence of common countries ensuring that the countries in the banner are the intersection of all contributing portions. Any tetragraphs whose decomposable flag is true will be decomposed into their representative countries. Once the minimum possibility of intersecting countries is determined, the rule checks that all portions of the banner are included in the subset. The rule then checks for the case where there are no common countries to be rolled up to the resource element. Finally, the rule checks to ensure that if the banner countries are a subset of the common countries, that a compilationReason is specified. If a compilationReason is not specified, then the banner releasableTo countries must be the set of common countries from all contributing portions.

Schematron Code

```
<?ICEA pattern?>
<sch:pattern id="ISM-ID-00318" is-a="CheckCommonCountries">
  <sch:param name="ruleId" value="'ISM-ID-00318'"/>
  <sch:param name="attrLocalName" value="'releasableTo'"/>
  <sch:param name="actualBannerTokens" value="$relToActualBannerTokens"/>
  <sch:param name="calculatedBannerTokens" value="$relToCalculatedBannerTokens"/>
</sch:pattern>
```

2.235 - ../Rules/USGov/ISM_ID_00319.sch

Rule Description

[ISM-ID-00319][Error] If ISM_USGOV_RESOURCE and ownerProducer contains 'USA' and attribute releasableTo is specified, then releasableTo must contain more than a single token.

Code Description

If the document is an ISM_USGOV_RESOURCE and a portion's ownerProducer attribute contains 'USA' and specifies attribute releasableTo, this rule ensures that the token count for releasableTo is greater than 1.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00319">
    <sch:rule id="ISM-ID-00319-R1"
        context="*[util:containsAnyTokenMatching(@ism:ownerProducer, 'USA') and @ism:releasableTo and $ISM_USGOV_RESOURCE]">
        <sch:assert test="count(tokenize(normalize-space(string(@ism:releasableTo)), ' ')) > 1"
            flag="error"
            role="error">[ISM-ID-00319][Error] If ISM_USGOV_RESOURCE and ownerProducer contains 'USA' and attribute releasableTo is specified, then releasableTo must
contain more than a single token.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.236 - ./Rules/USGov/ISM_ID_00320.sch

Rule Description

[ISM-ID-00320][Error] If the ISM_RESOURCE_ELEMENT has the ism:displayOnlyTo attribute specified, then the countries specified in the ism:displayOnlyTo attribute MUST be the set of the common countries specified across all contributing portions UNLESS a compilation reason is specified in which case a subset of the common country set may be used.

Code Description

Where an element is the resource element and contains the @ism:displayOnlyTo attribute, check that the values specified meet the minimum roll-up conditions. Check all contributing portions against the banner for the existence of common countries ensuring that the countries in the banner are the intersection of all contributing portions. Any tetragraphs whose decomposable flag is true will be decomposed into their representative countries. Once the minimum possibility of intersecting countries is determined, the rule checks that all portions of the banner are included in the subset. The rule then checks for the case where there are no common countries to be rolled up to the resource element. Finally, the rule checks to ensure that if the banner countries are a subset of the common countries, that a compilationReason is specified. If a compilationReason is not specified, then the banner displayOnlyTo countries must be the set of common countries from all contributing portions.

Schematron Code

```
<?ICEA pattern?>
<sch:pattern id="ISM-ID-00320" is-a="CheckCommonCountries">
  <sch:param name="ruleId" value="'ISM-ID-00320'"/>
  <sch:param name="attrLocalName" value="'displayOnlyTo'"/>
  <sch:param name="actualBannerTokens" value="$displayToActualBannerTokens"/>
  <sch:param name="calculatedBannerTokens" value="$displayToCalculatedBannerTokens"/>
</sch:pattern>
```

2.237 - ../Rules/USGov/ISM_ID_00321.sch

Rule Description

[ISM-ID-00321][Error] If ISM_USGOV_RESOURCE, then tokens [RD], [FRD] and [TFNI] are mutually exclusive for attribute atomicEnergyMarkings. Human Readable: RD, FRD, and TFNI are mutually exclusive and cannot be commingled in a portion mark or in the banner line.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE, for each element which has attribute ism:atomicEnergyMarkings specified with a value containing the token [RD], [FRD] or [TFNI], this rule ensures that attribute ism:disseminationControls is specified with a value containing only one of the tokens [RD], [FRD] or [TFNI].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00321" is-a="MutuallyExclusiveAttributeValues">
    <sch:param name="context"
        value="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD', 'FRD', 'TFNI'))]"/>
    <sch:param name="attrValue" value="@ism:atomicEnergyMarkings"/>
    <sch:param name="mutuallyExclusiveTokenList" value="('RD', 'FRD', 'TFNI')"/>
    <sch:param name="errMsg"
        value="' [ISM-ID-00321][Error] If ISM_USGOV_RESOURCE, then tokens [RD], [FRD] and [TFNI] are mutually exclusive for attribute atomicEnergyMarkings. Human
Readable: RD, FRD and TFNI are mutually exclusive and cannot be commingled in a portion mark or in the banner line. '"/>
</sch:pattern>
```

2.238 - ../Rules/general/ISM_ID_00322.sch

Rule Description

[ISM-ID-00322][Warning] The @ism:ISMCATCESVersion imported by ISM SHOULD be greater than or equal to 201707. Human Readable: The ISMCAT version imported by ISM SHOULD be greater than or equal to 2017-JUL.

Code Description

For all elements that contain @ism:ISMCATCESVersion, this rule checks that the version is greater than or equal to the minimum allowed version: 201707.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00322">
    <sch:rule id="ISM-ID-00322-R1" context="*[@ism:ISMCATCESVersion]">
        <sch:let name="version"
            value="number(if (contains(@ism:ISMCATCESVersion,'-')) then substring-before(@ism:ISMCATCESVersion,'-') else @ism:ISMCATCESVersion)"/>
        <sch:assert test="$version >= 201707" flag="warning" role="warning">[ISM-ID-00322][Warning] The @ism:ISMCATCESVersion imported by ISM SHOULD be greater than or equal
to 201707. Human Readable: The ISMCAT version imported by ISM SHOULD be greater than or equal to 2017-JUL.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.239 - ./Rules/general/ISM_ID_00323.sch

Rule Description

[ISM-ID-00323][Error] The attribute ISMCATCESVersion in the namespace urn:us:gov:ic:ism must be specified. Human Readable: The CVE encoding specification version for ISM CAT must be specified.

Code Description

This rule ensures that the attribute ism:ISMCATCESVersion is specified.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00323">
    <sch:rule id="ISM-ID-00323-R1" context="/">
        <sch:assert test="some $element in descendant-or-self::node() satisfies $element/@ism:ISMCATCESVersion"
            flag="error"
            role="error">[ISM-ID-00323][Error] The attribute ISMCATCESVersion in the namespace urn:us:gov:ic:ism must be specified. Human Readable: The CVE encoding
specification version for ISM CAT must be specified.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.240 - ./Rules/USGov/ISM_ID_00324.sch

Rule Description

[ISM-ID-00324][Error] If a document is ISM_USGOV_RESOURCE, it must contain portion markings. Human Readable: All valid ISM_USGOV_RESOURCE documents must also contain portion markings.

Code Description

Make sure that all ISM_USGOV_RESOURCE documents contain at least one portion mark if they are not uncaveated UNCLASSIFIED. Allow compilation reason to suffice as an exemption from this rule.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00324">
    <sch:rule id="ISM-ID-00324-R1"
        context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and not(@ism:classification='U' and util:isUncaveatedAndNoFDR(.)) and
not(@ism:compilationReason)]">
        <sch:assert test="count($partTags) > 0" flag="error" role="error">[ISM-ID-00324][Error] If a document is ISM_USGOV_RESOURCE, it must contain portion markings. Human
Readable: All valid ISM_USGOV_RESOURCE documents must also contain portion markings.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.241 - ./Rules/USGov/ISM_ID_00325.sch

Rule Description

[ISM-ID-00325][Error] If ISM_USGOV_RESOURCE, then tokens [OC] and [RELIDO] are mutually exclusive for attribute disseminationControls.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [OC] or [RELIDO], this rule ensures that attribute ism:disseminationControls is specified with a value containing only one of the tokens [OC] or [RELIDO].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00325" is-a="MutuallyExclusiveAttributeValues">
    <sch:param name="context"
        value="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC', 'RELIDO'))]"/>
    <sch:param name="attrValue" value="@ism:disseminationControls"/>
    <sch:param name="mutuallyExclusiveTokenList" value="('OC', 'RELIDO')"/>
    <sch:param name="errMsg"
        value="' [ISM-ID-00325][Error] If ISM_USGOV_RESOURCE, then tokens [OC] and [RELIDO] are mutually exclusive for attribute disseminationControls. '"/>
</sch:pattern>
```

2.242 - ../Rules/USGov/ISM_ID_00326.sch

Rule Description

[ISM-ID-00326][Error] ORCON information (i.e. @ism:disseminationControls of the resource node contains [OC]) requires ORCON profile NTK metadata.

Code Description

If the document is an ISM_USGOV_RESOURCE and the resource node's ism:disseminationControls attribute contains [OC], the document must have OC profile NTK metadata. That is, there must be an NTK assertion with an ntk:AccessPolicy value of 'urn:us:gov:ic:aces:ntk:oc'.

Schematron Code

```
<sch:pattern id="ISM-ID-00326">
  <sch:rule id="ISM-ID-00326-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC'))]">
    <sch:assert test="/*/ntk:AccessPolicy[.='urn:us:gov:ic:aces:ntk:oc']"
      flag="error"
      role="error">[ISM-ID-00326][Error] ORCON information (i.e. @ism:disseminationControls of the resource node contains [OC]) requires ORCON profile NTK
metadata.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

2.243 - ../Rules/USGov/ISM_ID_00327.sch

Rule Description

[ISM-ID-00327][Error] If ISM_USGOV_RESOURCE and: 1. Any element in the document that has the attribute disseminationControls containing [FOUO] AND 2. Has the attribute classification [U] Then the element can only have the disseminationControls containing [REL], [RELIDO], [NF], [DISPLAYONLY], and [EYES]. Human Readable: Dissemination control markings, excluding Foreign Disclosure and Release markings (REL, RELIDO, NF, DISPLAYONLY, or EYES), in elements of USA Unclassified documents supersede and take precedence over FOUO.

Code Description

If the document is an ISM_USGOV_RESOURCE, for any element that contains @ism:disseminationControls with a value containing [FOUO] and has @ism:classification with a value of [U], then this rule ensures that @ism:disseminationControls only contains the tokens [REL], [RELIDO], [NF], [EYES], [DISPLAYONLY], or [FOUO].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00327">
    <sch:rule id="ISM-ID-00327-R1"
              context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('FOUO')) and util:containsAnyOfTheTokens(@ism:classification,
('U'))]">
        <sch:assert test="util:containsOnlyTheTokens(@ism:disseminationControls, ('REL', 'RELIDO', 'NF', 'EYES', 'DISPLAYONLY', 'FOUO'))"
                    flag="error"
                    role="error">[ISM-ID-00327][Error] Dissemination control markings, excluding Foreign Disclosure and Release markings (REL, RELIDO, NF, DISPLAYONLY, or
EYES), in elements of USA Unclassified documents supersede and take precedence over FOUO.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.244 - ./Rules/USGov/ISM_ID_00328.sch

Rule Description

[ISM-ID-00328][Error] If ISM_USGOV_RESOURCE and: 1. Any element in the document that has the attribute disseminationControls containing [FOUO] AND 2. Has the attribute classification [U] Then the element can't have any ism:nonICMarkings. Human Readable: Non-IC dissemination control markings in elements of USA Unclassified documents supersede and take precedence over FOUO.

Code Description

If the document is an ISM_USGOV_RESOURCE, for any element that contains @ism:disseminationControls with a value containing [FOUO] and has @ism:classification with a value of [U], then this rule ensures that there is no @ism:nonICMarkings.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00328">
    <sch:rule id="ISM-ID-00328-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('FOUO')) and util:containsAnyOfTheTokens(@ism:classification,
('U'))]">
        <sch:assert test="not(@ism:nonICmarkings)" flag="error" role="error">[ISM-ID-00328][Error] Non-IC dissemination control markings in elements of USA Unclassified
documents supersede and take precedence over FOUO.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.245 - ../Rules/USGov/ISM_ID_00329.sch

Rule Description

[ISM-ID-00329][Error] Attributes declassEvent and declassDate are mutually exclusive.

Code Description

An element cannot have both attributes ism:declassEvent and ism:declassDate.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00329">
  <sch:rule id="ISM-ID-00329-R1"
    context="*[@ism:declassDate and @ism:declassEvent]">
    <sch:assert test="false()" flag="error" role="error">[ISM-ID-00329][Error] Attributes declassEvent and declassDate are mutually exclusive.</sch:assert>
  </sch:rule>
</sch:pattern>
```

2.246 - ./Rules/USGov/ISM_ID_00330.sch

Rule Description

[ISM-ID-00330][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [HCS-P], then attribute classification must have a value of [TS], or [S]. Human Readable: A USA document with HCS-PRODUCT compartment data must be classified SECRET or TOP SECRET.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [HCS-P] ensure that attribute ism:classification is specified with a value containing the token [TS], or [S].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00330"
            ism:DESVersion="201412"
            ism:resourceElement="true"
            ism:createDate="2011-01-27"
            ism:classification="U"
            ism:ownerProducer="USA">
  <sch:rule id="ISM-ID-00330-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('HCS-P'))]"
    ism:classification="U"
    ism:ownerProducer="USA">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:classification, ('TS', 'S'))"
      flag="error"
      role="error">[ISM-ID-00330][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [HCS-P], then attribute classification must have
a value of [TS], or [S]. Human Readable: A USA document with HCS-PRODUCT compartment data must be classified SECRET or TOP SECRET.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

2.247 - ./Rules/USGov/ISM_ID_00331.sch

Rule Description

[ISM-ID-00331][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains a token matching [HCS-P-XXXXXX], where X is represented by the regular expression character class [A-Z0-9]{1,6}, then it must also contain the name token [HCS-P]. Human Readable: A USA document with HCS-PRODUCT sub-compartment data must also specify that it contains HCS-PRODUCT compartment data.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing a token matching [HCS-P-XXXXXX], where X is represented by the regular expression character class [A-Z0-9]{1,6}, this rule ensures that attribute ism:SCIcontrols is specified with a value containing the token [HCS-P].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00331"
            ism:resourceElement="true"
            ism:createDate="2011-01-27"
            ism:classification="U"
            ism:ownerProducer="USA">
  <sch:rule id="ISM-ID-00331-R1"
            context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:SCIcontrols, ('^HCS-P-[A-Z0-9]{1,6}$'))]"
            ism:classification="U"
            ism:ownerProducer="USA">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:SCIcontrols, ('HCS-P'))"
              flag="error"
              role="error">[ISM-ID-00331][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains a token matching [HCS-P-XXXXXX], where X is represented by the
regular expression character class [A-Z0-9]{1,6}, then it must also contain the name token [HCS-P]. Human Readable: A USA document with HCS-PRODUCT sub-compartment data must also specify that
it contains HCS-PRODUCT compartment data.</sch:assert>
  </sch:rule>
</sch:pattern>
```

2.248 - ../Rules/USGov/ISM_ID_00332.sch

Rule Description

[ISM-ID-00332][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [HCS-O], then attribute classification must have a value of [TS] or [S]. Human Readable: A USA document with HCS-OPERATIONS compartment data must be classified SECRET or TOP SECRET.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [HCS-O], ensure that attribute ism:classification is specified with a value of [TS] or [S].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00332"
            ism:DESVersion="201412"
            ism:resourceElement="true"
            ism:createDate="2011-01-27"
            ism:classification="U"
            ism:ownerProducer="USA">
  <sch:rule id="ISM-ID-00332-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('HCS-O'))]"
    ism:classification="U"
    ism:ownerProducer="USA">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:classification, ('TS', 'S'))"
      flag="error"
      role="error">[ISM-ID-00332][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [HCS-O], then attribute classification must have
a value of [TS] or [S]. Human Readable: A USA document with HCS-OPERATIONS compartment data must be classified SECRET or TOP SECRET.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

2.249 - ../Rules/USGov/ISM_ID_00333.sch

Rule Description

[ISM-ID-00333][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains a token matching [HCS-X], where X is represented by the regular expression character class [A-Z], then it must also contain the name token [HCS]. Human Readable: A USA document with HCS compartment data must also specify that it contains HCS data.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing a token matching [HCS-X], where X is represented by the regular expression character class [A-Z], this rule ensures that attribute ism:SCIcontrols is specified with a value containing the token [HCS].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00333"
            ism:resourceElement="true"
            ism:createDate="2011-01-27"
            ism:classification="U"
            ism:ownerProducer="USA">
  <sch:rule id="ISM-ID-00333-R1"
            context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:SCIcontrols, ('^HCS-[A-Z]${'}))]"
            ism:classification="U"
            ism:ownerProducer="USA">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:SCIcontrols, ('HCS'))"
              flag="error"
              role="error">[ISM-ID-00333][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains a token matching [HCS-X], where X is represented by the regular
expression character class [A-Z], then it must also contain the name token [HCS]. Human Readable: A USA document with HCS compartment data must also specify that it contains HCS data.</
sch:assert>
  </sch:rule>
</sch:pattern>
```

2.250 - ../Rules/USGov/ISM_ID_00335.sch

Rule Description

[ISM-ID-00335][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [HCS-O], then attribute disseminationControls must contain the name token [OC]. Human Readable: A USA document with HCS-OPERATIONS compartment data must be marked for ORIGINATOR CONTROLLED dissemination.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [HCS-O], this rule ensures that attribute ism:disseminationControls is specified with a value containing the token [OC].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00335"
            ism:resourceElement="true"
            ism:createDate="2011-01-27"
            ism:classification="U"
            ism:ownerProducer="USA">
  <sch:rule id="ISM-ID-00335-R1"
            context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('HCS-O'))]"
            ism:classification="U"
            ism:ownerProducer="USA">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC'))"
              flag="error"
              role="error">[ISM-ID-00335][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [HCS-O], then attribute disseminationControls
must contain the name token [OC]. Human Readable: A USA document with HCS-OPERATIONS data must be marked for ORIGINATOR CONTROLLED dissemination.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

2.251 - ./Rules/USGov/ISM_ID_00336.sch

Rule Description

[ISM-ID-00336][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains a token matching [HCS-P-XXXXXX], where X is represented by the regular expression character class [A-Z0-9]{1,6}, then attribute disseminationControls must contain the name token [OC]. Human Readable: A USA document with HCS-PRODUCT sub-compartment data must be marked for ORIGINATOR CONTROLLED dissemination.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing a token matching [HCS-P-XXXXXX], where X is represented by the regular expression character class [A-Z0-9]{1,6}, this rule ensures that attribute ism:disseminationControls is specified with a value containing the token [OC].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00336"
            ism:resourceElement="true"
            ism:createDate="2011-01-27"
            ism:classification="U"
            ism:ownerProducer="USA">
  <sch:rule id="ISM-ID-00336-R1"
            context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:SCIcontrols, ('^HCS-P-[A-Z0-9]{1,6}$'))]"
            ism:classification="U"
            ism:ownerProducer="USA">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC'))"
              flag="error"
              role="error">[ISM-ID-00336][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [HCS-P-XXXXXX], where X is represented by the
regular expression character class [A-Z0-9]{1,6}, then attribute disseminationControls must contain the name token [OC]. Human Readable: A USA document with HCS-PRODUCT sub-compartments must
be marked for ORIGINATOR CONTROLLED dissemination.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

2.252 - ./Rules/general/ISM_ID_00337.sch

Rule Description

[ISM-ID-00337][Error] The first element in document order having resourceElement true must have compliesWith specified.

Code Description

This rule ensures that the resourceElement has attribute compliesWith specified.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00337">
    <sch:rule id="ISM-ID-00337-R1"
        context="*[generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)][1]">
        <sch:assert test="@ism:compliesWith" flag="error" role="error">[ISM-ID-00337][Error] The first element in document order having resourceElement true must have
compliesWith specified.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.253 - ../Rules/general/ISM_ID_00338.sch

Rule Description

[ISM-ID-00338][Error] All @ism:compliesWith values must be defined in CVEnumISMCompliesWith.xml.

Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM_XML.sch), which reads values from a specific CVE file.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00338" is-a="ValidateTokenValuesExistenceInList">
    <sch:param name="context" value="*[@ism:compliesWith]"/>
    <sch:param name="searchTermList" value="@ism:compliesWith"/>
    <sch:param name="list" value="$compliesWithList"/>
    <sch:param name="errMsg"
        value="" [ISM-ID-00338][Error] All @ism:compliesWith values must be defined in CVEnumISMCompliesWith.xml. ""/>
</sch:pattern>
```

2.254 - ./Rules/general/ISM_ID_00339.sch

Rule Description

[ISM-ID-00339][Error] 1. ism:ownerProducer of resource element contains USA 2. ism:compliesWith does not contain USGov Human Readable: All documents that contain USA in @ism:ownerProducer of the first resource node (in document order) must claim USGov in @ism:compliesWith

Code Description

If a document contains USA in @ism:ownerProducer (for the resource element), then @ism:compliesWith must contain USGov.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00339">
    <sch:rule id="ISM-ID-00339-R1"
        context="*[ generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:ownerProducer, ('USA'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:compliesWith, ('USGov'))"
            flag="error"
            role="error">[ISM-ID-00339][Error] 1. ism:ownerProducer of resource element contains USA 2. ism:compliesWith does not contain USGov Human Readable: All
documents that contain USA in @ism:ownerProducer of the first resource node (in document order) must claim USGov in @ism:compliesWith</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.255 - ./Rules/general/ISM_ID_00340.sch

Rule Description

[ISM-ID-00340][Error] All compliesWith attributes must be of type NmTokens.

Code Description

For all elements which contain a compliesWith attribute, this rule ensures that the compliesWith value matches the pattern defined for type NmTokens.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00340">
    <sch:rule id="ISM-ID-00340-R1" context="*[@ism:compliesWith]">
        <sch:assert test="util:meetsType(@ism:compliesWith, $NmTokensPattern)"
            flag="error"
            role="error">[ISM-ID-00340][Error] All compliesWith attributes values must be of type NmTokens.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.256 - ../Rules/USGov/ISM_ID_00341.sch

Rule Description

[ISM-ID-00341][Error] If ISM_USGOV_RESOURCE and SCIcontrols contains a token matching [SI-G] or [SI-G-XXXX], then ism:disseminationControls cannot contain [OC-USGOV] Human Readable: OC-USGOV cannot be used if SI-G or an SI-G subs are present.

Code Description

If the document is an ISM_USGOV_RESOURCE and ism:SCIcontrols contains [SI-G] or [SI-G-XXXX], then ism:disseminationControls cannot contain [OC-USGOV]

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00341">
    <sch:rule id="ISM-ID-00341-R1"
        context="*[$ISM_USGOV_RESOURCE and (util:containsAnyTokenMatching(@ism:SCIcontrols, ('^SI-G-[A-Z]{4}$')) or util:containsAnyOfTheTokens(@ism:SCIcontrols, ('SI-
G')))]">
        <sch:assert test="not(util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC-USGOV')))"
            flag="error"
            role="error">[ISM-ID-00341][Error] If ISM_USGOV_RESOURCE and SCIcontrols contains a token matching [SI-G] or [SI-G-XXXX], then ism:disseminationControls
cannot contain [OC-USGOV] Human Readable: OC-GOV cannot be used if SI-G or an SI-G subs are present.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.257 - ./Rules/USGov/ISM_ID_00343.sch

Rule Description

[ISM-ID-00343][Error] If ISM_USGOV_RESOURCE and there exists a token in @ism:SCIcontrols for portions that contribute to rollup then they must also be specified in the @ism:SCIcontrols attribute on the ISM_RESOURCE_ELEMENT. Human Readable: All SCI controls specified in the document that contribute to rollup must be rolled up to the resource level.

Code Description

If the document is an ISM_USGOV_RESOURCE match on the ISM_RESOURCE_ELEMENT if there are any SCIcontrols values specified on portions that are not excludeFromRollup="true" and then ensure that all the tokens found exist on the element are matched to. If there are any tokens not present in our element that exist elsewhere in the document's contributing portions, store them in the missingSCI variable. Then this rule ensures that the missingSCI variable is empty or return an error message that specifies which tokens are missing.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00343">
    <sch:rule id="ISM-ID-00343-R1"
        context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and count($partSCIcontrols_tok)>0]"><!-- Check that all distinct tokens
in SCIcontrols throughout the document that are not
    excludeFromRollup="true" are present in the SCIcontrols attribute of the
    ISM_RESOURCE_ELEMENT. If not return the missing token to the variable -->
    <sch:let name="missingSCI"
        value="for $token in distinct-values($partSCIcontrols) return if (index-of(tokenize(@ism:SCIcontrols,' '), $token) > 0 ) then null else $token"/>
        <!-- check that the variable for missing SCIcontrol tokens is empty or error -->
    <sch:assert test="count($missingSCI)=0" flag="error" role="error">[ISM-ID-00343][Error] All SCI controls specified in the document that contribute to rollup must be rolled up to the
resource level. The following tokens were found to be missing from the resource element:
    <sch:value-of select="string-join($missingSCI, ', ')">.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.258 - ./Rules/USGov/ISM_ID_00344.sch

Rule Description

[ISM-ID-00344][Error] If ISM_USGOV_RESOURCE and there exists a token in @ism:SCIcontrols on the ISM_RESOURCE_ELEMENT and no compilation reason then the token must also be specified in the @ism:SCIcontrols attribute on at least one portion. Human Readable: All SCI controls specified at the resource level must be found in a contributing portion of the document unless there is a compilation reason of the exception.

Code Description

If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols of ISM_RESOURCE_ELEMENT exists and attribute ism:compilationReason does not have a value, then this rule ensures that at least one element meeting ISM_CONTRIBUTES specifies attribute @ism:SCIcontrols with each value specified on the ISM_RESOURCE_ELEMENT.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00344">
    <sch:rule id="ISM-ID-00344-R1"
        context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and @ism:SCIcontrols and string-length(normalize-
space(@ism:compilationReason)) = 0]">
        <sch:let name="missingSCI"
            value="for $token in tokenize(@ism:SCIcontrols, ' ') return if (index-of(distinct-values($partSCIcontrols), $token) &gt; 0) then null else $token"/>
        <sch:assert test="count($missingSCI)=0" flag="error" role="error">[ISM-ID-00344][Error] All SCI controls specified at the resource level must be found in a contributing
portion of the document unless there is a compilation reason of the exception. The following tokens were found to be missing from the portions:
        <sch:value-of select="string-join($missingSCI, ', ')" />.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.259 - ./Rules/USGov/ISM_ID_00345.sch

Rule Description

[ISM-ID-00345][Error] If ISM_USGOV_RESOURCE and attribute disseminationControls contains the value [EYES], releasableTo must only contain the token values of [USA], [AUS], [CAN], [GBR] or [NZL].

Code Description

If ISM_USGOV_RESOURCE, for each element which specifies the attribute disseminationControls with the value of [EYES], this rule ensures that attribute releasableTo is specified with the token values of [USA], [AUS], [CAN], [GBR] or [NZL].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00345">
    <sch:rule id="ISM-ID-00345-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('EYES'))]">
        <sch:assert test="util:containsOnlyTheTokens(@ism:releasableTo, ('USA', 'AUS','CAN','GBR', 'NZL'))"
            flag="error"
            role="error">[ISM-ID-00345][Error] If attribute disseminationControls contains the value [EYES], the attribute releasableTo must only contain the values of
[USA], [AUS], [CAN], [GBR] or [NZL].</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.260 - ../Rules/USGov/ISM_ID_00346.sch

Rule Description

[ISM-ID-00346][Error] If ISM_USGOV_RESOURCE and attribute nonICmarkings contains the name token [DS], then attribute classification must have a value of [U]. Human Readable: Portions marked DS (LIMDIS) as a nonICmarkings in a USA document must be classified UNCLASSIFIED.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which has attribute ism:nonICmarkings specified with a value containing the token [DS] this rule ensures that attribute ism:classification is specified with a value of [U].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00346">
    <sch:rule id="ISM-ID-00346-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:nonICmarkings, ('DS'))]">
        <sch:assert test="@ism:classification='U'" flag="error" role="error">[ISM-ID-00346][Error] If ISM_USGOV_RESOURCE and attribute nonICmarkings contains the name token
[DS], then attribute classification must have a value of [U]. Human Readable: Portions marked DS (LIMDIS) as a nonICmarkings in a USA document must be classified UNCLASSIFIED.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.261 - ../Rules/USGov/ISM_ID_00347.sch

Rule Description

[ISM-ID-00347][Error] If ISM_USGOV_RESOURCE and if there exists a token in @ism:SARIdentifier for portions that contribute to rollup then they must also be specified in the @ism:SARIdentifier attribute on the ISM_RESOURCE_ELEMENT. Human Readable: All SAR Identifiers specified in the document that contribute to rollup must be rolled up to the resource level.

Code Description

If ISM_USGOV_RESOURCE, match on the ISM_RESOURCE_ELEMENT if there are any SARIdentifier values specified on portions that are not excludeFromRollup="true" and then ensure that all the tokens found exist on the element are matched to. If there are any tokens not present in our element that exist elsewhere in the document's contributing portions, store them in the missingSAR variable. Then check that the missingSAR variable is empty or return an error message that specifies which tokens are missing.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00347">
    <sch:rule id="ISM-ID-00347-R1"
        context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and count($partSARIdentifier_tok)>0]"><!-- Check that all distinct
tokens in SARIdentifier throughout the document that are not
      excludeFromRollup="true" are present in the SARIdentifier attribute of the
      ISM_RESOURCE_ELEMENT. If not return the missing token to the variable -->
    <sch:let name="missingSAR"
        value="for $token in distinct-values($partSARIdentifier) return if (index-of(tokenize(@ism:SARIdentifier,' '), $token) > 0 ) then null else $token"/>
        <!-- check that the variable for missing SARIdentifier tokens is empty or error -->
    <sch:assert test="count($missingSAR)=0" flag="error" role="error">[ISM-ID-00347][Error] All SAR Identifiers specified in the document that contribute to rollup must be rolled up to the
resource level. The following tokens were found to be missing from the resource element:
    <sch:value-of select="string-join($missingSAR, ', ')">.
</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.262 - ../Rules/USGov/ISM_ID_00348.sch

Rule Description

[ISM-ID-00348][Error] If ISM_USGOV_RESOURCE and there exists a token in @ism:SARIdentifier on the ISM_RESOURCE_ELEMENT and no compilation reason then the token must also be specified in the @ism:SARIdentifer attribute on at least one portion. Human Readable: All SAR Identifiers specified at the resource level must be found in a contributing portion of the document unless there is a compilation reason of the exception.

Code Description

If ISM_USGOV_RESOURCE and attribute @ism:SARIdentifier of ISM_RESOURCE_ELEMENT exists and attribute ism:compilationReason does not have a value, then this rule ensures that at least one element meeting ISM_CONTRIBUTES specifies attribute @ism:SARIdentifier with each value specified on the ISM_RESOURCE_ELEMENT.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00348">
    <sch:rule id="ISM-ID-00348-R1"
        context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and @ism:SARIdentifier and string-length(normalize-
space(@ism:compilationReason)) = 0]">
        <sch:let name="missingSAR"
            value="for $token in tokenize(@ism:SARIdentifier, ' ') return if (index-of(distinct-values($partSARIdentifier), $token) > 0) then null else $token"/>
        <sch:assert test="count($missingSAR)=0" flag="error" role="error">[ISM-ID-00348][Error] All SAR Identifiers specified at the resource level must be found in a
contributing portion of the document unless there is a compilation reason of the exception. The following tokens were found to be missing from the portions:
        <sch:value-of select="string-join($missingSAR, ', ')" />.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.263 - ../Rules/USGov/ISM_ID_00349.sch

Rule Description

[ISM-ID-00349][Error] If ISM_USGOV_RESOURCE, PROPIN information (i.e. @ism:disseminationControls of the resource node contains [PR]) requires PROPIN NTK metadata.

Code Description

If the document is an ISM_USGOV_RESOURCE and the resource node's @ism:disseminationControls attribute contains [PR], the document must have PROPIN profile NTK metadata. That is, there must be an NTK assertion with an ntk:AccessPolicy value that starts with 'urn:us:gov:ic:aces:ntk:propin:'.

Schematron Code

```
<sch:pattern id="ISM-ID-00349">
  <sch:rule id="ISM-ID-00349-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:disseminationControls, ('PR'))]">
    <sch:assert test="/*/ntk:AccessPolicy[starts-with(., 'urn:us:gov:ic:aces:ntk:propin:')] "
      flag="error"
      role="error">[ISM-ID-00349][Error] PROPIN information (i.e. @ism:disseminationControls of the resource node contains [PR]) requires PROPIN NTK metadata.</
sch:assert>
    </sch:rule>
  </sch:pattern>
```

2.264 - ../Rules/USGov/ISM_ID_00350.sch

Rule Description

[ISM-ID-00350][Error] Exclusive Distribution information (i.e. @ism:nonICmarkings of the resource node contains [XD]) requires XD profile NTK metadata.

Code Description

If the document is an ISM_USGOV_RESOURCE and the resource nodes's @ism:nonICmarkings attribute contains [XD], the document must have XD profile NTK metadata. That is, there must be an NTK assertion with an ntk:AccessPolicy value of 'urn:us:gov:ic:aces:ntk:xd'.

Schematron Code

```
<sch:pattern id="ISM-ID-00350">
  <sch:rule id="ISM-ID-00350-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:nonICmarkings, ('XD'))]">
    <sch:assert test="/*/ntk:AccessPolicy[.='urn:us:gov:ic:aces:ntk:xd']"
      flag="error"
      role="error">[ISM-ID-00350][Error] Exclusive Distribution information (i.e. @ism:nonICmarkings of the resource node contains [XD]) requires XD profile NTK
metadata.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

2.265 - ../Rules/USGov/ISM_ID_00351.sch

Rule Description

[ISM-ID-00351][Error] No Distribution information (i.e. @ism:nonICmarkings of the resource node contains [ND]) requires ND profile NTK metadata.

Code Description

If the document is an ISM_USGOV_RESOURCE and the resource node's @ism:nonICmarkings attribute contains [ND], the document must have ND profile NTK metadata. That is, there must be an NTK assertion with an ntk:AccessPolicy value of 'urn:us:gov:ic:aces:ntk:nd'.

Schematron Code

```
<sch:pattern id="ISM-ID-00351">
  <sch:rule id="ISM-ID-00351-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:nonICmarkings, ('ND'))]">
    <sch:assert test="/*/ntk:AccessPolicy[.='urn:us:gov:ic:aces:ntk:nd']"
      flag="error"
      role="error">[ISM-ID-00351][Error] No Distribution information (i.e. @ism:nonICmarkings of the resource node contains [ND]) requires ND profile NTK
metadata.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

2.266 - ./Rules/USGov/ISM_ID_00352.sch

Rule Description

[ISM-ID-00352][Error] Banner or portion that contributes to roll-up must contain [PR] if PROPIN NTK metadata exists.

Code Description

Invokes abstract rule NtkHasCorrespondingData.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00352" is-a="NtkHasCorrespondingData">
  <sch:param name="ruleId" value="'ISM-ID-00352'"/>
  <sch:param name="policyName" value="'PROPIN'"/>
  <sch:param name="uriPrefix" value="'urn:us:gov:ic:aces:ntk:propin:'"/>
  <sch:param name="attr" value="'disseminationControls'"/>
  <sch:param name="dataType" value="'PR'"/>
  <sch:param name="dataTokenList" value="$partDisseminationControls_tok"/>
  <sch:param name="bannerTokenList" value="$bannerDisseminationControls_tok"/>
</sch:pattern>
```

2.267 - ./Rules/USGov/ISM_ID_00353.sch

Rule Description

[ISM-ID-00353][Error] Banner or portion that contributes to roll-up must contain [OC] if ORCON NTK metadata exists.

Code Description

Invokes abstract rule NtkHasCorrespondingData.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00353" is-a="NtkHasCorrespondingData">
  <sch:param name="ruleId" value="'ISM-ID-00353'"/>
  <sch:param name="policyName" value="'ORCON'"/>
  <sch:param name="uriPrefix" value="'urn:us:gov:ic:aces:ntk:oc'"/>
  <sch:param name="attr" value="'disseminationControls'"/>
  <sch:param name="dataType" value="'OC'"/>
  <sch:param name="dataTokenList" value="$partDisseminationControls_tok"/>
  <sch:param name="bannerTokenList" value="$bannerDisseminationControls_tok"/>
</sch:pattern>
```

2.268 - ../Rules/USGov/ISM_ID_00354.sch

Rule Description

[ISM-ID-00354][Error] The banner or a portion that contributes to roll-up must contain [XD] if EXDIS NTK metadata exists.

Code Description

Invokes abstract rule NtkHasCorrespondingData.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00354" is-a="NtkHasCorrespondingData">
  <sch:param name="ruleId" value="'ISM-ID-00354'"/>
  <sch:param name="policyName" value="'EXDIS'"/>
  <sch:param name="uriPrefix" value="'urn:us:gov:ic:aces:ntk:xd'"/>
  <sch:param name="attr" value="'nonICmarkings'"/>
  <sch:param name="dataType" value="'XD'"/>
  <sch:param name="dataTokenList" value="$partNonICmarkings_tok"/>
  <sch:param name="bannerTokenList" value="$bannerNonICmarkings_tok"/>
</sch:pattern>
```

2.269 - ./Rules/USGov/ISM_ID_00355.sch

Rule Description

[ISM-ID-00355][Error] The banner or a portion that contributes to roll-up must contain [ND] if NODIS NTK metadata exists.

Code Description

Invokes abstract rule NtkHasCorrespondingData.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00355" is-a="NtkHasCorrespondingData">
  <sch:param name="ruleId" value="'ISM-ID-00355'"/>
  <sch:param name="policyName" value="'NODIS'"/>
  <sch:param name="uriPrefix" value="'urn:us:gov:ic:aces:ntk:nd'"/>
  <sch:param name="attr" value="'nonICmarkings'"/>
  <sch:param name="dataType" value="'ND'"/>
  <sch:param name="dataTokenList" value="$partNonICmarkings_tok"/>
  <sch:param name="bannerTokenList" value="$bannerNonICmarkings_tok"/>
</sch:pattern>
```

2.270 - ./Rules/USGov/ISM_ID_00356.sch

Rule Description

[ISM-ID-00356][Error] USA documents containing SSI data must have a non-external SSI notice.

Code Description

This rule uses an abstract pattern to enforce that an appropriate notice exists for SSI information. If (1) the document is an ISM_USGOV_RESOURCE and (2) the document contains an element that contributes to rollup (ISM_CONTRIBUTES is true) that also has an ism:nonICmarkings attribute that contains the token [SSI], there must exist an element that contributes to rollup (ISM_CONTRIBUTES is true) that has an ism:noticeType attribute containing the token [SSI] and that does not have an ism:externalNotice attribute with a value of [true].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00356" is-a="DataHasCorrespondingNotice">
    <sch:param name="ruleId" value="'ISM-ID-00356'"/>
    <sch:param name="attrName" value="'ism:nonICmarkings'"/>
    <sch:param name="attrValue" value="@ism:nonICmarkings"/>
    <sch:param name="noticeType" value="'SSI'"/>
</sch:pattern>
```

2.271 - ./Rules/USGov/ISM_ID_00357.sch

Rule Description

[ISM-ID-00357][Error] If ISM_USGOV_RESOURCE and: 1. No element meeting ISM_CONTRIBUTES in the document has the attribute nonICmarkings containing [SSI] AND 2. Any element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [SSI] and does not specify attribute ism:externalNotice with a value of [true]. Human Readable: USA documents containing an non-external SSI notice must also have SSI data.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE and any element meets ISM_CONTRIBUTES and specifies attribute ism:noticeType with a value containing the token [SSI] and does not specify attribute ism:externalNotice with a value of [true], this rule ensures that an element meeting ISM_CONTRIBUTES specifies attribute ism:nonICmarkings with a value containing the token [SSI].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00357" is-a="NoticeHasCorrespondingData">
    <sch:param name="ruleId" value="'ISM-ID-00357'"/>
    <sch:param name="attrName" value="'nonICmarkings'"/>
    <sch:param name="dataType" value="'SSI'"/>
    <sch:param name="dataTokenList" value="$partNonICmarkings_tok"/>
</sch:pattern>
```

2.272 - ../Rules/general/ISM_ID_00358.sch

Rule Description

[ISM-ID-00358][Error] A document using tetragraphs may not have a releasableTo or that is less restrictive than that of any tetragraph or organization tokens used in the releasableTo fields.

Code Description

Determine the set of releasable countries by determining, for each token, if it is a country code or tetragraph. If it is a tetragraph get the membership from CATT, otherwise add the token to the list. Then determine if any of the tetragraph tokens have releasability restrictions themselves. If so, add that token to a list. Finally, determine if the releasability of the tetragraph tokens are more restrictive then the releasability of the document. If there are, trigger the error message.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00358">
    <sch:rule id="ISM-ID-00358-R1" context="*[@ism:resourceElement=true()][1]">
        <sch:let name="op" value="if(@ism:joint=true()) then @ism:ownerProducer else ''"/>
        <sch:let name="releasableToCountries"
            value="distinct-values(for $value in tokenize(normalize-space(concat(@ism:releasableTo,' ', $op)), ' ') return if(index-of($catt//catt:TetraToken,$value)>0)
then util:tokenize(util:getTetragraphMembership($value)) else $value)"/>
        <sch:let name="tetrasWithReleasableTo"
            value="distinct-values(for $value in $tetras return if($catt//catt:Tetragraph[catt:TetraToken=$value]/@ism:releasableTo) then $value else null)"/>
        <sch:let name="moreRestrictiveTetras"
            value="for $tetra in $tetrasWithReleasableTo return if (every $value in $releasableToCountries satisfies index-of(distinct-
values(util:tokenize(util:getTetragraphReleasability($tetra))),$value)>0) then null else $tetra"/>
        <sch:assert test="empty($moreRestrictiveTetras)" flag="error" role="error">[ISM-ID-00358][Error] A document using tetragraphs may not have a releasableTo or that is
less restrictive than that of any tetragraph or organization tokens used in the releasableTo fields. The following tetragraphs have a more restrictive releasability than the document:
        <sch:value-of select="string-join($moreRestrictiveTetras, ', ' )"/>
        </sch:assert>
        <sch:assert test="exists($catt//catt:Tetragraphs)" role="">CATT does not exist!</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.273 - ../Rules/general/ISM_ID_00359.sch

Rule Description

[ISM-ID-00359][Error] The classification of a tetragraph may not be greater than the classification of the document.

Code Description

For documents that use tetragraphs, this rule verifies that the classification of the tetragraph isn't greater than the classification of the document.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00359">
    <sch:rule id="ISM-ID-00359-R1" context="*[@ism:resourceElement=true()][1]">
        <sch:let name="documentClassification" value="@ism:classification"/>
        <sch:let name="moreRestrictiveTetras"
            value="for $tetra in $tetras return if ($catt//catt:Tetragraph[catt:TetraToken=$tetra]/@ism:classification != $documentClassification) then (if
($documentClassification = 'TS') then null else if ($catt//catt:Tetragraph[catt:TetraToken=$tetra]/@ism:classification = 'TS') then $tetra else if ($documentClassification = 'U') then $tetra
else if ($documentClassification = 'C' and $catt//catt:Tetragraph[catt:TetraToken=$tetra]/@ism:classification = 'S') then $tetra else if ($documentClassification = 'R' and ($catt//
catt:Tetragraph[catt:TetraToken=$tetra]/@ism:classification = 'C' or $catt//catt:Tetragraph[catt:TetraToken=$tetra]/@ism:classification = 'S')) then $tetra else null ) else null"/>
        <sch:assert test="empty($moreRestrictiveTetras)" flag="error" role="error">[ISM-ID-00359][Error] A document using tetragraphs may not have a classification that is
greater than the classification of the document. The following tetragraphs have a more restrictive classification than the document:
        <sch:value-of select="string-join($moreRestrictiveTetras,', ')" />.
    </sch:assert>
        <sch:assert test="exists($catt//catt:Tetragraphs)" role="">CATT does not exist!</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.274 - ../Rules/general/ISM_ID_00360.sch

Rule Description

[ISM-ID-00360][Error] An UNCLASSIFIED//FOUO tetragraph may not be used in a UNCLASSIFIED document that is not also FOUO.

Code Description

For documents that use tetragraphs, this rule verifies that if a tetragraph is UNCLASSIFIED//FOUO, and the document is UNCLASSIFIED, then the document must also be FOUO.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00360">
  <sch:rule id="ISM-ID-00360-R1" context="*[@ism:resourceElement=true()][1]">
    <sch:let name="documentClassification" value="@ism:classification"/>
    <sch:let name="documentIsFOUO"
      value="some $dissem in tokenize(@ism:disseminationControls, ' ') satisfies $dissem eq 'FOUO'"/>
    <sch:let name="tetrasWithFOUO"
      value="distinct-values(for $value in $tetras return if($catt//catt:Tetragraph[catt:TetraToken=$value]/@ism:ownerProducer and (some $dissem in tokenize($catt//
catt:Tetragraph[catt:TetraToken=$value]/@ism:disseminationControls, ' ') satisfies $dissem eq 'FOUO')) then $value else null)"/>
    <sch:assert test="not($documentClassification = 'U' and not($documentIsFOUO) and not(empty($tetrasWithFOUO)))"
      flag="error"
      role="error">[ISM-ID-00360][Error] An UNCLASSIFIED document may not use FOUO tetragraphs unless the document is also FOUO. The following tetragraphs are
UNCLASSIFIED//FOUO:
    <sch:value-of select="string-join($tetrasWithFOUO,', ')">. Document classification:
    <sch:value-of select="$documentClassification"/>Document is FOUO:
    <sch:value-of select="$documentIsFOUO"/>
    </sch:assert>
    <sch:assert test="exists($catt//catt:Tetragraphs)" role="">CATT does not exist!</sch:assert>
  </sch:rule>
</sch:pattern>
```

2.275 - ../Rules/USGov/ISM_ID_00361.sch

Rule Description

[ISM-ID-00361][Error] All hasApproximateMarkings attributes must be of type Boolean.

Code Description

For all elements which contain an hasApproximateMarkings attribute, this rule ensures that the hasApproximateMarkings value matches the pattern defined for type Boolean.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00361">
    <sch:rule id="ISM-ID-00361-R1" context="*[@ism:hasApproximateMarkings]">
        <sch:assert test="util:meetsType(@ism:hasApproximateMarkings, $BooleanPattern)"
            flag="error"
            role="error">[ISM-ID-00361][Error] All hasApproximateMarkings attributes values must be of type Boolean.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.276 - ../Rules/USGov/ISM_ID_00362.sch

Rule Description

[ISM-ID-00362][Error] HCS-P-sub

Code Description

When OC-USGOV disseminationControls is used, tokens matching the regular expression HCS-P-[A-Z0-9]{1,6} cannot be in SCIcontrols.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00362">
  <sch:rule id="ISM-ID-00362-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC-USGOV')) and @ism:SCIcontrols]">
    <sch:assert test="not(util:getStringFromSequenceWithOnlyRegexValues(@ism:SCIcontrols, 'HCS-P-[A-Z0-9]{1,6}'))"
      flag="error"
      role="error">[ISM-ID-00362][Error] HCS-P-sub
```

2.277 - ../Rules/USGov/ISM_ID_00363.sch

Rule Description

[ISM-ID-00363][Error] HCS-O cannot be used with OC-USGOV

Code Description

When OC-USGOV disseminationControl is used, HCS-O cannot be in SCIControls.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00363">
    <sch:rule id="ISM-ID-00363-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC-USGOV')) and @ism:SCIcontrols]">
        <sch:assert test="not(util:containsAnyOfTheTokens(@ism:SCIcontrols, ('HCS-O')))"
            flag="error"
            role="error">[ISM-ID-00363][Error] HCS-O cannot be used with OC-USGOV.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.278 - ./Rules/USGov/ISM_ID_00364.sch

Rule Description

[ISM-ID-00364][Error] If an ISM_USGOV_RESOURCE has a value in @compilationReason and @noAggregation is present, @noAggregation must be false.

Code Description

If an ISM_USGOV_RESOURCE has a value in @compilationReason and @noAggregation is present, @noAggregation must be false.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00364">
    <sch:rule id="ISM-ID-00364-R1"
        context="*[$ISM_USGOV_RESOURCE and string-length(normalize-space(@ism:compilationReason)) > 0 and string-length(normalize-space(@ism:noAggregation)) > 0]">
        <sch:assert test="@ism:noAggregation = false()" flag="error" role="error">[ISM-ID-00364][Error] If an ISM_USGOV_RESOURCE has a value in @compilationReason and
@noAggregation is present, @noAggregation must be false.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.279 - ../Rules/USGov/ISM_ID_00365.sch

Rule Description

[ISM-ID-00365][Error] All noAggregation attributes must be of type Boolean.

Code Description

For all elements which contain an noAggregation attribute, this rule ensures that the noAggregation value matches the pattern defined for type Boolean.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00365">
    <sch:rule id="ISM-ID-00365-R1" context="*[@ism:noAggregation]">
        <sch:assert test="util:meetsType(@ism:noAggregation, $BooleanPattern)"
                    flag="error"
                    role="error">[ISM-ID-00365][Error] All noAggregation attribute values must be of type Boolean.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.280 - ../Rules/general/ISM_ID_00366.sch

Rule Description

[ISM-ID-00366][Error] The @ntk:DESVersion is less than the minimum version allowed: 201508. Human Readable: The NTK version imported by ISM must be greater than or equal to 2015-AUG.

Code Description

For all elements that contain @ntk:DESVersion, this rule verifies that the version is greater than or equal to the minimum allowed version: 201508.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00366">
    <sch:rule id="ISM-ID-00366-R1" context="*[@ntk:DESVersion]">
        <sch:let name="version"
            value="number(if (contains(@ntk:DESVersion,'-')) then substring-before(@ntk:DESVersion,'-') else @ntk:DESVersion)"/>
        <sch:assert test="$version >= 201508" flag="error" role="error">[ISM-ID-00366][Error] The @ntk:DESVersion is less than the minimum version allowed: 201508. Human
Readable: The NTK version imported by ISM must be greater than or equal to 2015-AUG.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.281 - ../Rules/USGov/ISM_ID_00367.sch

Rule Description

[ISM-ID-00367][Error] If ISM_USGOV_RESOURCE and attribute derivedFrom is specified, then attribute classifiedBy must not be specified. Human Readable: USA documents that specify a derivative classifier must not also include information related to Original Classification Authorities (classificationReason and classifiedBy).

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:derivativelyClassifiedBy this rule ensures that attribute ism:classificationReason or ism:classifiedBy is NOT specified.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00367">
    <sch:rule id="ISM-ID-00367-R1"
              context="*[$ISM_USGOV_RESOURCE and @ism:derivedFrom]">
        <sch:assert test="not(@ism:classifiedBy)" flag="error" role="error">[ISM-ID-00367][Error] USA documents that are derived from other sources must not specify a
classified by.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.282 - ../Rules/USGov/ISM_ID_00368.sch

Rule Description

[ISM-ID-00368][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [TK-BLFH], then attribute classification must have a value of [TS]. Human Readable: A USA document containing TALENT KEYHOLE (TK) -BLUEFISH compartment data must be classified TOP SECRET.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [TK-BLFH] this rule ensures that attribute ism:classification is specified with a value containing the token [TS].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00368">
    <sch:rule id="ISM-ID-00368-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('TK-BLFH'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:classification, ('TS'))"
            flag="error"
            role="error">[ISM-ID-00368][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [TK-BLFH], then attribute classification must
have a value of [TS]. Human Readable: A USA document containing TALENT KEYHOLE (TK) -BLUEFISH compartment data must be classified TOP SECRET.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.283 - ./Rules/USGov/ISM_ID_00369.sch

Rule Description

[ISM-ID-00369][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [TK-BLFH], then attribute disseminationControls must contain the name token [NF]. Human Readable: A USA document containing TALENT KEYHOLE (TK) -BLUEFISH compartment data must also be marked for NO FOREIGN dissemination.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [TK-BLFH] this rule ensures that attribute ism:disseminationControls is specified with a value containing the token [NF].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00369">
    <sch:rule id="ISM-ID-00369-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('TK-BLFH'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('NF'))"
            flag="error"
            role="error">[ISM-ID-00369][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [TK-BLFH], then attribute disseminationControls
must contain the name token [NF]. Human Readable: A USA document containing TALENT KEYHOLE (TK) -BLUEFISH compartment data must also be marked for NO FOREIGN dissemination.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.284 - ./Rules/USGov/ISM_ID_00370.sch

Rule Description

[ISM-ID-00370][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [TK-IDIT], then attribute disseminationControls must contain the name token [NF]. Human Readable: A USA document containing TALENT KEYHOLE (TK) -IDITAROD compartment data must also be marked for NO FOREIGN dissemination.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [TK-IDIT] this rule ensures that attribute ism:disseminationControls is specified with a value containing the token [NF].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00370">
    <sch:rule id="ISM-ID-00370-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('TK-IDIT'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('NF'))"
            flag="error"
            role="error">[ISM-ID-00370][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [TK-IDIT], then attribute disseminationControls
must contain the name token [NF]. Human Readable: A USA document containing TALENT KEYHOLE (TK) -IDITAROD compartment data must also be marked for NO FOREIGN dissemination.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.285 - ./Rules/USGov/ISM_ID_00371.sch

Rule Description

[ISM-ID-00371][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [TK-KAND], then attribute disseminationControls must contain the name token [NF]. Human Readable: A USA document containing TALENT KEYHOLE (TK) -KANDIK compartment data must also be marked for NO FOREIGN dissemination.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [TK-KAND] this rule ensures that attribute ism:disseminationControls is specified with a value containing the token [NF].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00371">
    <sch:rule id="ISM-ID-00371-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('TK-KAND'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('NF'))"
            flag="error"
            role="error">[ISM-ID-00371][Error]If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [TK-KAND], then attribute disseminationControls
must contain the name token [NF]. Human Readable: A USA document containing TALENT KEYHOLE (TK) -KANDIK compartment data must also be marked for NO FOREIGN dissemination.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.286 - ./Rules/USGov/ISM_ID_00372.sch

Rule Description

[ISM-ID-00372][Error] If ISM_USGOV_RESOURCE and attribute nonICmarkings contains the name token [LES-NF] or [SBU-NF], then attribute disseminationControls must not contain the name token [NF], [REL], [EYES], [RELIDO], or [DISPLAYONLY]. Human Readable: LES-NF and SBU-NF are incompatible with other Foreign Disclosure and Release markings.

Code Description

If the document is an ISM_USGOV_RESOURCE, for each element which specifies attribute ism:nonICmarkings with a value containing the token [LES-NF] or [SBU-NF] this rule ensures that attribute ism:disseminationControls is not specified with a value containing the token [NF], [REL], [EYES], [RELIDO], or [DISPLAYONLY].

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00372">
    <sch:rule id="ISM-ID-00372-R1"
        context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:nonICmarkings, ('LES-NF','SBU-NF'))]">
        <sch:assert test="not(util:containsAnyOfTheTokens(@ism:disseminationControls, ('NF','REL','EYES','RELIDO','DISPLAYONLY')))"
            flag="error"
            role="error">[ISM-ID-00372][Error] LES-NF and SBU-NF are incompatible with other Foreign Disclosure and Release markings.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.287 - ./Rules/USGov/ISM_ID_00373.sch

Rule Description

[ISM-ID-00373][Error] If ISM_USGOV_RESOURCE and any element in the document: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute nonICmarkings containing [SSI] Then the ISM_RESOURCE_ELEMENT must have nonICmarkings containing [SSI]. Human Readable: USA documents having SSI Data must have SSI at the resource level.

Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM_USGOV_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, this rule ensures that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00373" is-a="AttributeContributesToRollup">
    <sch:param name="attrLocalName" value="nonICmarkings"/>
    <sch:param name="value" value="SSI"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00373][Error] USA documents having SSI Data must have SSI at the resource level.'"/>
</sch:pattern>
```

2.288 - ../Rules/USGov/ISM_ID_00374.sch

Rule Description

[ISM-ID-00374][Error] If ISM_USGOV_RESOURCE and @ism:nonICmarkings contains 'SSI' on the ISM_RESOURCE_ELEMENT with no compilation reason then the token 'SSI' must exist in an @ism:nonICmarkings attribute on at least one portion. Human Readable: If @ism:nonICmarkings contains 'SSI' at the resource level, it must be found in a contributing portion of the document unless there is a compilation reason of the exception.

Code Description

If ISM_USGOV_RESOURCE and attribute @ism:nonICmarkings contains 'SSI' on the ISM_RESOURCE_ELEMENT and attribute @ism:compilationReason does not have a value, then this rule ensures that at least one element meeting ISM_CONTRIBUTES has attribute @ism:nonICmarkings containing 'SSI'.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00374">
    <sch:rule id="ISM-ID-00374-R1"
        context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:nonICmarkings, ('SSI')) and string-length(normalize-space(@ism:compilationReason)) = 0]">
        <sch:assert test="some $ele in $partTags satisfies util:containsAnyOfTheTokens($ele/@ism:nonICmarkings, ('SSI'))"
            flag="error"
            role="error">[ISM-ID-00374][Error] If @ism:nonICmarkings contains 'SSI' at the resource level, it must be found in a contributing portion of the document
unless there is a compilation reason of the exception.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.289 - ../Rules/general/ISM_ID_00375.sch

Rule Description

[ISM-ID-00375][Error] The ISMCATCESVersion being used for validation does not contain the needed TetragraphTaxonomy files. This will prevent ISM validation from functioning. NOTE: This is not an error of the instance document but of the validation environment itself. Human Readable: The version of ISMCAT being used in the validation infrastructure is missing essential components required for ISM validation to proceed. Regardless of the version indicated on the instance document, the validation infrastructure needs to use a minimum version of ISMCAT that is 2017-JUL or later.

Code Description

Verifies that the validation infrastructure has the minimum required version of ISMCAT by checking the version declared in the ISMCAT Tetragraph CVE.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00375">
    <sch:rule id="ISM-ID-00375-R1" context="/">
        <sch:let name="cve"
            value="document('../CVE/ISMCAT/CVEnumISMCATTetragraph.xml')//cve:CVE"/>
        <sch:assert test="$cve/@specVersion >= 201707" flag="error" role="error">[ISM-ID-00375][Error] The version of ISMCAT being used in the validation infrastructure is
missing essential components required for ISM validation to proceed. Regardless of the version indicated on the instance document, the validation infrastructure needs to use a minimum version
of ISMCAT that is 2017-JUL or later.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.290 - ../Rules/general/ISM_ID_00376.sch

Rule Description

[ISM-ID-00376][Error]A portion using tetragraphs may not have a releasableTo that is less restrictive than the releasability of any tetragraph or organization tokens used in the same portion’s releasableTo, displayOnlyto, FGISourceOpen, or FGISourceProtected fields.

Code Description

Determine the set of releasable countries by determining, for each token, if it is a country code or tetragraph. If it is a tetragraph get the membership from CATT, otherwise add the token to the list. Then determine if any of the tetragraph tokens have releasability restrictions themselves. If so, add that token to a list. Finally, determine if the releasability of the tetragraph tokens are more restrictive then the releasability of the portion. If there are, trigger the error message.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00376">
    <sch:rule id="ISM-ID-00376-R1" context="*[@ism:ownerProducer]">
        <sch:let name="releasableToCountries"
            value="distinct-values(for $value in tokenize(normalize-space(@ism:releasableTo),' ') return if(index-of($catt//catt:TetraToken,$value)>0) then
util:tokenize(util:getTetragraphMembership($value)) else $value)"/>
        <sch:let name="myTetras"
            value="for $value in distinct-values(for $each in distinct-values((@ism:ownerProducer | @ism:releasableTo | @ism:displayOnlyTo | @ism:FGISourceOpen |
@ism:FGISourceProtected)) return util:tokenize($each)) return if ($catt//catt:Tetragraph[catt:TetraToken=$value]) then $value else null"/>
        <sch:let name="tetrasWithReleasableTo"
            value="distinct-values(for $value in $myTetras return if($catt//catt:Tetragraph[catt:TetraToken=$value]/@ism:releasableTo) then $value else null)"/>
        <sch:let name="moreRestrictiveTetras"
            value="for $tetra in $tetrasWithReleasableTo return if (every $value in $releasableToCountries satisfies index-of(distinct-
values(util:tokenize(util:getTetragraphReleasability($tetra))),$value)>0) then null else $tetra"/>
        <sch:assert test="empty($moreRestrictiveTetras)" flag="error" role="error">[ISM-ID-00376][Error] A portion using tetragraphs may not have a releasableTo that is less
restrictive than the releasability of any tetragraph or organization tokens used in the same portion’s releasableTo, displayOnlyto, FGISourceOpen, or FGISourceProtected fields. The following
tetragraphs have a more restrictive releasability than the portion:
        <sch:value-of select="string-join($moreRestrictiveTetras,', ')" />
        </sch:assert>
        <sch:assert test="exists($catt//catt:Tetragraphs)" role="">CATT does not exist!</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.291 - ../Rules/general/ISM_ID_00377.sch

Rule Description

[ISM-ID-00377][Error] All @ism:ownerProducer values in a JOINT document must be in the ism::releasableTo attribute.

Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM_XML.sch), which reads values from a specific CVE file.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00377" is-a="ValidateTokenValuesExistenceInList">
    <sch:param name="context" value="*[@ism:ownerProducer and @ism:joint=true()]" />
    <sch:param name="searchTermList"
        value="normalize-space(string(./@ism:ownerProducer))" />
    <sch:param name="list"
        value="tokenize(normalize-space(string(@ism:releasableTo)), ' ')" />
    <sch:param name="errMsg"
        value="' [ISM-ID-00377][Error] All @ism:ownerProducer values in a JOINT document must be in the ism::releasableTo attribute'" />
</sch:pattern>
```

2.292 - ../Rules/general/ISM_ID_00378.sch

Rule Description

[ISM-ID-00378][Error] All joint attributes must be of type Boolean.

Code Description

For all elements which contain a joint attribute, this rule ensures that the joint value matches the pattern defined for type Boolean.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00378">
    <sch:rule id="ISM-ID-00378-R1" context="*[@ism:joint]">
        <sch:assert test="util:meetsType(@ism:joint, $BooleanPattern)"
                    flag="error"
                    role="error">[ISM-ID-00378][Error] All joint attributes values must be of type Boolean.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.293 - ../Rules/USGov/ISM_ID_00379.sch

Rule Description

[ISM-ID-00379][Error] All ISM declassDate attributes must be a Date without a timezone.

Code Description

For all elements which contain a declassDate attribute, this rule ensures that the declassDate value matches the pattern defined for type Date without timezone information. The value must conform to the Regex '[0-9]{4}-[0-9]{2}-[0-9]{2}\$'

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00379">
    <sch:rule id="ISM-ID-00379-R1" context="*[@ism:declassDate]">
        <sch:assert test="util:meetsType(@ism:declassDate, $DatePattern)"
            flag="error"
            role="error">[ISM-ID-00379][Error] All declassDate attribute values must be of type Date.</sch:assert>
        <sch:assert test="matches(@ism:declassDate, '[0-9]{4}-[0-9]{2}-[0-9]{2}$')" role="">[ISM-ID-00379][Error] All declassDate attribute values must not have any timezone
information specified.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.294 - ../Rules/USGov/ISM_ID_00380.sch

Rule Description

[ISM-ID-00380][Error] All ISM noticeDate attributes must be a Date without a timezone.

Code Description

For all elements which contain a noticeDate attribute, this rule ensures that the noticeDate value matches the pattern defined for type Date without timezone information. The value must conform to the Regex '[0-9]{4}-[0-9]{2}-[0-9]{2}\$'

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00380">
  <sch:rule id="ISM-ID-00380-R1" context="*[@ism:noticeDate]">
    <sch:assert test="util:meetsType(@ism:noticeDate, $DatePattern)"
      flag="error"
      role="error">[ISM-ID-00380][Error] All noticeDate attribute values must be of type Date.</sch:assert>
    <sch:assert test="matches(@ism:noticeDate, '[0-9]{4}-[0-9]{2}-[0-9]{2}$')" role="">[ISM-ID-00380][Error] All noticeDate attribute values must not have any timezone
information specified.</sch:assert>
  </sch:rule>
</sch:pattern>
```

2.295 - ../Rules/general/ISM_ID_00381.sch

Rule Description

[ISM-ID-00381][Error] 1. ism:compliesWith of resource element contains USIC or USDOD 2. ism:compliesWith must also contain USGov

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00381">
    <sch:rule id="ISM-ID-00381-R1"
        context="*[ generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:compliesWith, ('USIC','USDOD'))]">
        <sch:assert test="util:containsAnyOfTheTokens(@ism:compliesWith, ('USGov'))"
            flag="error"
            role="error">[ISM-ID-00381][Error] 1. ism:compliesWith of resource element contains USIC or USDOD 2. ism:compliesWith must also contain USGov Human
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

Readable: All documents that contain USIC or USDOD in @ism:compliesWith of the first resource node (in document order) must also contain USGov in @ism:compliesWith

Chapter 3 - Abstract Patterns

All of the Abstract Patterns for ISM are listed in this section. These patterns may depend on variables defined in the Schematron Schema section.

3.1 - ./Lib/AttributeContributesToRollup.sch

Code Description

If the document is an ISM_USGOV_RESOURCE and an element meeting ISM_CONTRIBUTES specifies attribute ism:\$attrLocalName with a value containing the token [\$value], then this rule ensures that the ISM_RESOURCE_ELEMENT specifies the attribute ism:\$attrLocalName with a value containing the token [\$value].

Schematron Code

```
<sch:pattern abstract="true" id="AttributeContributesToRollup">
  <sch:rule id="AttributeContributesToRollup-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and (some $ele in $partTags satisfies util:containsAnyOfTheTokens($ele/
@ism:$attrLocalName, ('$value')))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:$attrLocalName, ('$value'))"
      flag="error"
      role="error">
      <sch:value-of select="$errorMessage"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

3.2 - ./Lib/AttributeContributesToRollupWithClassification.sch

Code Description

If the document is an ISM_USGOV_RESOURCE, and the ISM_RESOURCE_ELEMENT specifies attribute ism:classification with a value of \$resourceElementClassification an element meeting ISM_CONTRIBUTES specifies attribute ism:\$attrLocalName with a value containing the token [\$value], then this rule ensures that the ISM_RESOURCE_ELEMENT specifies the attribute ism:\$attrLocalName with a value containing the token [\$value].

Schematron Code

```
<sch:pattern abstract="true" id="AttributeContributesToRollupWithClassification">
  <sch:rule id="AttributeContributesToRollupWithClassification-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:classification,
( '$resourceElementClassification' )) and (some $ele in $partTags satisfies util:containsAnyOfTheTokens($ele/@ism:$attrLocalName, ('$value')))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:$attrLocalName, ('$value'))"
      flag="error"
      role="error">
      <sch:value-of select="$errorMessage"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

3.3 - ./Lib/AttributeContributesToRollupWithException.sch

Code Description

If the document is an ISM_USGOV_RESOURCE and an element meeting ISM_CONTRIBUTES specifies attribute ism:\$attrLocalName with a value containing the token [\$value] and the exception value(s) are not present, then this rule ensures that the ISM_RESOURCE_ELEMENT specifies the attribute ism:\$attrLocalName with a value containing the token [\$value].

Schematron Code

```
<sch:pattern abstract="true" id="AttributeContributesToRollupWithException">
  <sch:rule id="AttributeContributesToRollupWithException-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and not(some $ele in $partTags satisfies util:containsAnyOfTheTokens($ele/
@ism:$exceptAttrLocalName, $exceptValueList) ) and ( some $ele in $partTags satisfies util:containsAnyOfTheTokens($ele/@ism:$attrLocalName, ('$value')) )]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:$attrLocalName, ('$value'))"
      flag="error"
      role="error">
      <sch:value-of select="$errorMessage"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

3.4 - ./Lib/AttributeValueDeprecatedError.sch

Code Description

Abstract pattern to ensure that an attribute does not contain a deprecated token. This pattern uses the deprecation dates in the CVE passed from the calling rule and the ISM_RESOURCE_CREATE_DATE to determine if a token in the attribute is deprecated, which is an error. The context, CVE name, and Spec name are passed from the calling rule.

Schematron Code

```
<sch:pattern abstract="true" id="AttributeValueDeprecatedError">
  <sch:rule id="AttributeValueDeprecatedError-R1" context="$context">
    <sch:assert test="count( dvf:deprecated( string(@ism:$attrName), document('../.. /CVE/$cveSpec/$cveName.xml')//cve:CVE/cve:Enumeration/cve:Term[./@deprecated],
$ISM_RESOURCE_CREATE_DATE, true()) )=0"
      flag="error"
      role="error">[
<sch:value-of select="$ruleId"/>][Error] For attribute
<sch:value-of select="'$attrName'"/>, value(s)
<sch:value-of select="dvf:deprecated( string(@ism:$attrName), document('../.. /CVE/$cveSpec/$cveName.xml')//cve:CVE/cve:Enumeration/cve:Term[@deprecated], $ISM_RESOURCE_CREATE_DATE,
true())"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

3.5 - ./Lib/AttributeValueDeprecatedWarning.sch

Code Description

Abstract pattern used to warn that an attribute value has a deprecation date in its CVE but has not passed based on the ISM_RESOURCE_CREATE_DATE of the resource. This pattern uses the deprecation dates in the CVE passed from the calling rule and the ISM_RESOURCE_CREATE_DATE to determine if a token in the attribute has a depreciation date, which is a warning. The context, CVE name, and Spec name are passed from the calling rule.

Schematron Code

```
<sch:pattern abstract="true" id="AttributeValueDeprecatedWarning">
  <sch:rule id="AttributeValueDeprecatedWarning-R1" context="$context">
    <sch:assert test="count( dvf:deprecated( string(@ism:$attrName), document('../..CVE/$cveSpec/$cveName.xml')//cve:CVE/cve:Enumeration/cve:Term[./@deprecated],
$ISM_RESOURCE_CREATE_DATE, false()))=0"
      flag="warning"
      role="warning">[
  <sch:value-of select="$ruleId"/>][Warning] For attribute
  <sch:value-of select="'$attrName'"/>, value(s)
  <sch:value-of select="dvf:deprecated(string(@ism:$attrName), document('../..CVE/$cveSpec/$cveName.xml')//cve:CVE/cve:Enumeration/cve:Term[@deprecated],
$ISM_RESOURCE_CREATE_DATE,false())"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

3.6 - ./Lib/CheckCommonCountries.sch

Code Description

Where an element is the resource element and contains either the @ism:releasableTo or @ism:displayOnlyTo attributes, check that the values specified meet minimum roll-up conditions. Check all contributing portions against the banner for the existence of common countries ensuring that the countries in the banner are the intersection of all contributing portions. Any tetragraphs whose decomposable flag is true will be decomposed into their representative countries. Once the minimum possibility of intersecting countries is determined, the rule checks that all portions of the banner are included in the subset. The rule then checks for the case where there are no common countries to be rolled up to the resource element. Finally, the rule checks to ensure that if the banner countries are a subset of the common countries, that a compilationReason is specified. If a compilationReason is not specified, then the banner displayOnlyTo countries must be the set of common countries from all contributing portions.

Schematron Code

```
<!-- Added 2016-03-31: Added helper abstract function to help in re-write of rules 318 & 320
that calculate the common countries against either @ism:releasableTo or @ism:displayOnlyTo
in the banner -->
<sch:pattern abstract="true" id="CheckCommonCountries">
  <sch:rule id="CheckCommonCountries-R1"
    context="*[generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and @ism:*[local-name() = $attrLocalName]]">
    <sch:assert test="count($calculatedBannerTokens) != 0"
      flag="error"
      role="error">[
    <sch:value-of select="$ruleId"/>][Error] The banner cannot have @ism:
    <sch:value-of select="$attrLocalName"/>because there is no common country in the contributing portions.
  </sch:assert>
    <sch:assert test="if(count($calculatedBannerTokens) != 0 and @ism:compilationReason[normalize-space(.)]) then util:isSubsetOf($actualBannerTokens,
$calculatedBannerTokens) else true()"
      flag="error"
      role="error">[
    <sch:value-of select="$ruleId"/>][Error] The banner @ism:
    <sch:value-of select="$attrLocalName"/>must be a subset of the common countries for contributing portions because @ism:compilationReason is specified. Common countries: [
    <sch:value-of select="util:join($calculatedBannerTokens)"/>].
  </sch:assert>
    <sch:assert test="if(count($calculatedBannerTokens) != 0 and not(@ism:compilationReason[normalize-space(.]))) then util:join(util:sort($calculatedBannerTokens)) =
util:join(util:sort($actualBannerTokens)) else true()"
      flag="error"
      role="error">[
    <sch:value-of select="$ruleId"/>][Error] The banner @ism:
    <sch:value-of select="$attrLocalName"/>must match the set of the common countries for contributing portions because @ism:compilationReason is not specified. Common countries: [
    <sch:value-of select="util:join($calculatedBannerTokens)"/>].
  </sch:assert>
    </sch:rule>
  </sch:pattern>
```

3.7 - ./Lib/DataHasCorrespondingNotice.sch

Code Description

Abstract pattern to enforce that an appropriate notice exists for an element in \$partTags that has a notice requirement. The calling rule must pass \$elem, \$attrName, \$partTags, and \$noticeType.

Schematron Code

```
<sch:pattern abstract="true" id="DataHasCorrespondingNotice">
  <sch:rule id="DataHasCorrespondingNotice-R1"
    context="*[$ISM_USGOV_RESOURCE and util:contributesToRollup(.) and util:containsAnyOfTheTokens($attrValue, ($noticeType))]">
    <sch:assert test="some $elem in $partTags satisfies ($elem[@ism:noticeType] and util:containsAnyOfTheTokens($elem/@ism:noticeType, ($noticeType)) and not ($elem/
@ism:externalNotice=true()))"
      flag="error"
      role="error">[
<sch:value-of select="$ruleId"/>][Error] If ISM_USGOV_RESOURCE, any element meeting ISM_CONTRIBUTES in the document has the attribute
<sch:value-of select="$attrName"/>containing [
<sch:value-of select="$noticeType"/>], then some element meeting ISM_CONTRIBUTES in the document MUST have attribute noticeType containing [
<sch:value-of select="$noticeType"/>].
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

3.8 - ./Lib/DataHasCorrespondingNoticeWithException.sch

Code Description

For all elements that contribute to rollup when all of the following are true: (a) the given expression \$attrValue contains the given value \$noticeType (b) the given exception expression \$exceptAttrValue does not contain the given exception value \$exceptNoticeType (c) \$ISM_USGOV_RESOURCE is true Assert that some non-resource node element satisfies both (a) @ism:noticeType contains the \$noticeType token (b) not(@ism:externalNotice is true) This rule depends on \$partTags defined in the ISM_XML.sch master Schematron file. The calling rule must pass \$attrValue, \$noticeType, \$exceptAttrValue, \$exceptNoticeType.

Schematron Code

```
<sch:pattern abstract="true" id="DataHasCorrespondingNoticeWithException">
  <sch:rule id="DataHasCorrespondingNoticeWithException-R1"
    context="*[$ISM_USGOV_RESOURCE and util:contributesToRollup(.) and util:containsAnyOfTheTokens($attrValue, ($noticeType)) and
not(util:containsAnyOfTheTokens($exceptAttrValue, ($exceptNoticeType)))]">
    <sch:assert test="some $elem in $partTags satisfies ($elem[@ism:noticeType] and util:containsAnyOfTheTokens($elem/@ism:noticeType, ($noticeType)) and not($elem/
@ism:externalNotice = true()))"
      flag="error"
      role="error">[
<sch:value-of select="$ruleId"/>][Error] If ISM_USGOV_RESOURCE, any element meeting ISM_CONTRIBUTES in the document has the attribute
<sch:value-of select="$attrName"/>containing [
<sch:value-of select="$noticeType"/>], then some element meeting ISM_CONTRIBUTES in the document MUST have attribute noticeType containing [
<sch:value-of select="$noticeType"/>].
</sch:assert>
    </sch:rule>
  </sch:pattern>
```

3.9 - ./Lib/MutuallyExclusiveAttributeValues.sch

Code Description

Abstract pattern to ensure that mutually exclusive tokens do not exist in an attribute. The calling rule must pass \$attrValue and \$mutuallyExclusiveTokenList.

Schematron Code

```
<sch:pattern abstract="true" id="MutuallyExclusiveAttributeValues">
  <sch:rule id="MutuallyExclusiveAttributeValues-R1" context="$context">
    <sch:assert test="count( for $token in tokenize(normalize-space(string($attrValue)), ' ') return if($token = $mutuallyExclusiveTokenList) then 1 else null ) = 1"
      flag="error"
      role="error">
      <sch:value-of select="$errMsg"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

3.10 - ./Lib/NonCompilationDocumentRollup.sch

Code Description

If ISM_USGOV_RESOURCE and attribute \$attrLocalName of ISM_RESOURCE_ELEMENT has a value of [\$value] and attribute ism:compilationReason does not have a value, then this rule ensures that at least one element meeting ISM_CONTRIBUTES specifies attribute \$attrLocalName with a value of [\$value].

Schematron Code

```
<sch:pattern abstract="true" id="NonCompilationDocumentRollup">
  <sch:rule id="NonCompilationDocumentRollup-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:$attrLocalName, ('$value')) and
string-length(normalize-space(@ism:compilationReason)) = 0]">
    <sch:assert test="some $ele in $partTags satisfies util:containsAnyOfTheTokens($ele/@ism:$attrLocalName, ('$value'))"
      flag="error"
      role="error">
      <sch:value-of select="$errorMessage"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

3.11 - ./Lib/NoticeHasCorrespondingData.sch

Code Description

Abstract pattern to ensure that for a given element in an ISM_USGOV_RESOURCE with @ism:noticeType containing a specified token and ism:externalNotice not equal true, \$dataType exists in \$dataTokenList. The calling rule must pass \$dataType and @dataTokenList.

Schematron Code

```
<sch:pattern abstract="true" id="NoticeHasCorrespondingData">
  <sch:rule id="NoticeHasCorrespondingData-R1"
    context="*[$ISM_USGOV_RESOURCE and util:contributesToRollup(.) and not (@ism:externalNotice=true()) and util:containsAnyOfTheTokens(@ism:noticeType,
($dataType))]">
    <sch:assert test="index-of($dataTokenList, $dataType)>0"
      flag="error"
      role="error">[
<sch:value-of select="$ruleId"/>][Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [
<sch:value-of select="$dataType"/>], then some element meeting ISM_CONTRIBUTES in the document MUST have attribute
<sch:value-of select="$attrName"/>containing [
<sch:value-of select="$dataType"/>]. Human Readable: USA documents containing an
<sch:value-of select="$dataType"/>notice must also have
<sch:value-of select="$dataType"/>data.
</sch:assert>
    </sch:rule>
  </sch:pattern>
```

3.12 - ./Lib/NoticeHasCorrespondingDataUnclassDoc.sch

Code Description

Abstract pattern to ensure that for a given element in an ISM_USGOV_RESOURCE with @ism:noticeType containing a specified token and ism:externalNotice not equal true, \$dataType exists in \$dataTokenList ONLY if the \$ISM_RESOURCE_ELEMENT is Unclassified. The calling rule must pass \$dataType and @dataTokenList.

Schematron Code

```
<sch:pattern abstract="true" id="NoticeHasCorrespondingDataUnclassDoc">
  <sch:rule id="NoticeHasCorrespondingDataUnclassDoc-R1"
    context="*[$ISM_USGOV_RESOURCE and util:contributesToRollup(.) and util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/@ism:classification, ('U')) and not
(@ism:externalNotice=true()) and util:containsAnyOfTheTokens(@ism:noticeType, ($dataType))]">
    <sch:assert test="index-of($dataTokenList, $dataType)>0"
      flag="error"
      role="error">[
<sch:value-of select="$ruleId"/>][Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [
<sch:value-of select="$dataType"/>], then some element meeting ISM_CONTRIBUTES in the document MUST have attribute
<sch:value-of select="$attrName"/>containing [
<sch:value-of select="$dataType"/>]. Human Readable: USA documents containing an
<sch:value-of select="$dataType"/>notice must also have
<sch:value-of select="$dataType"/>data.
</sch:assert>
    </sch:rule>
  </sch:pattern>
```

3.13 - ./Lib/NtkHasCorrespondingData.sch

Code Description

Abstract template to validate that for an \$ISM_USGOV_RESOURCE, a given token (\$dataType) exists in a particular attribute of at least one of (a) a portion that contributes to roll-up or (b) the banner, given the existence of an ntk:AccessProfile that has an ntk:AccessPolicy value that starts with a given string (\$uriPrefix).

Expected parameters: \$ruleId, \$policyName, \$uriPrefix, \$attr, \$dataType, \$dataTokenList, and \$bannerTokenList

Schematron Code

```
<sch:pattern abstract="true" id="NtkHasCorrespondingData">
  <sch:rule id="NtkHasCorrespondingData-R1"
    context="ntk:Access//ntk:AccessProfile[ntk:AccessPolicy[starts-with(., $uriPrefix)] and $ISM_USGOV_RESOURCE]">
    <sch:assert test="index-of($dataTokenList, $dataType)>0 or index-of($bannerTokenList, $dataType)>0"
      flag="error"
      role="error">[
<sch:value-of select="$ruleId"/>][error]
<sch:value-of select="$policyName"/>NTK metadata requires that
<sch:value-of select="$attr"/>contain
<sch:value-of select="$dataType"/>in at least one of (a) a portion that contributes to roll-up or (b) the banner.
</sch:assert>
    </sch:rule>
  </sch:pattern>
```

3.14 - ./Lib/ValidateTokenValuesExistenceInList.sch

Code Description

This abstract pattern checks to see if an attribute of an element exists in a list or matches the pattern defined by the list. The calling rule must pass the context, search term list, attribute value to check, and an error message.

Schematron Code

```
<!--
  This abstract pattern checks to see if an attribute of an element exists in a list or matches the pattern defined by the list.

  $context      := the context in which the searchValue exists
  $searchTermList := the set of values which you want to verify is in the list
  $list          := the list in which to search for the searchValue
  $errMsg        := the error message text to display when the assertion fails

  Example usage:
  <sch:pattern is-a="ValidateValueExistenceInList" id="IRM_ID_00027" xmlns:sch="http://purl.oclc.org/dsdl/schematron">
    <sch:param name="context" value="@ism:releasableTo"/>
    <sch:param name="searchTermList" value="."/>
    <sch:param name="list" value="$releasableToList"/>
    <sch:param name="errMsg" value="'
      [ISM-ID-00265][Error] Any @ism:releasableTo must
      be a value in CVEnumISMRelTo.xml.
    '"/>
  </sch:pattern>

  Note: $iso4217TrigraphList is defined in the main document, IRM_XML.xml.
-->
<sch:pattern abstract="true" id="ValidateTokenValuesExistenceInList">
  <sch:rule id="ValidateTokenValuesExistenceInList-R1" context="$context">
    <sch:assert test="every $searchTerm in tokenize(normalize-space(string($searchTermList)), ' ') satisfies $searchTerm = $list or (some $Term in $list satisfies
(matches(normalize-space($searchTerm), concat('^', $Term ,'$'))))"
      flag="error"
      role="error">
      <sch:value-of select="$errMsg"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

3.15 - ./Lib/ValidateTokenValuesExistenceInListWhenContributesToRollup.sch

Code Description

This abstract pattern checks to see if the attribute values of an element exists in a list or matches the pattern defined by the list when these values are flagged as contributing to rollup. The calling rule must pass the context, search term list, attribute value to check, flag on whether the attribute values contribute to rollup, and an error message.

Schematron Code

```
<!--
  This abstract pattern checks to see if the attribute values of an element exists in a list or matches the pattern defined by the list
  when these attribute values are flagged as contributing to rollup.

  $context          := the context in which the searchValue exists
  $searchTermList    := the set of values which you want to verify is in the list
  $list              := the list in which to search for the searchValue
  $errMsg            := the error message text to display when the assertion fails
  $contributesToRollup := the boolean that determines whether the attributes values contribute to rollup
-->
<sch:pattern abstract="true"
              id="ValidateTokenValuesExistenceInListWhenContributesToRollup">
  <sch:rule id="ValidateTokenValuesExistenceInListWhenContributesToRollup-R1"
          context="$context">
    <sch:assert test="if ($contributesToRollup) then every $searchTerm in tokenize(normalize-space(string($searchTermList)), ' ') satisfies $searchTerm = $list or (some
$Term in $list satisfies (matches(normalize-space($searchTerm), concat('^', $Term ,'$')))) else true()"
              flag="error"
              role="error">
      <sch:value-of select="$errMsg"/>The value(s) [
    <sch:value-of select="string-join(for $searchTerm in tokenize(normalize-space(string($searchTermList)), ' ') return if($searchTerm = $list) then null else $searchTerm,' ')/>] that
contribute to rollup could not be found.
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

3.16 - ./Lib/ValidateTokenValuesExistenceInListWhenContributesToRollupACCM.sch

Code Description

This abstract pattern checks to see if the attribute values of an element exists in a list or matches the pattern defined by the list when these values are flagged as contributing to rollup. The calling rule must pass the context, search term list, attribute value to check, flag on whether the attribute values contribute to rollup, and an error message.

Schematron Code

```
<!--
  This abstract pattern checks to see if the attribute values of an element exists in a list or matches the pattern defined by the list
  when these attribute values are flagged as contributing to rollup.

  $context          := the context in which the searchValue exists
  $searchTermList    := the set of values which you want to verify is in the list
  $list              := the list in which to search for the searchValue
  $errMsg            := the error message text to display when the assertion fails
  $contributesToRollup := the boolean that determines whether the attributes values contribute to rollup
-->
<sch:pattern abstract="true"
              id="ValidateTokenValuesExistenceInListWhenContributesToRollupACCM">
  <sch:rule id="ValidateTokenValuesExistenceInListWhenContributesToRollupACCM-R1"
          context="$context">
    <sch:assert test="if ($contributesToRollup) then every $searchTerm in tokenize(normalize-space(string($searchTermList)), ' ') satisfies $searchTerm = $list or (some
$Term in $list satisfies (matches(normalize-space($searchTerm), concat('^', $Term ,'$')))) else true()"
              flag="error"
              role="error">
      <sch:value-of select="$includedInRollUpErrorMessage"/>The value(s) [
    <sch:value-of select="string-join(for $searchTerm in tokenize(normalize-space(string($searchTermList)), ' ') return if($searchTerm = $list) then null else $searchTerm,' ')/>] that
contribute to rollup could not be found.
    </sch:assert>
    <sch:assert test="if (not($contributesToRollup)) then every $searchTerm in tokenize(normalize-space(string($nonACCMSearchTermList)), ' ') satisfies $searchTerm =
$nonACCMListTok or (some $Term in $nonACCMListTok satisfies (matches(normalize-space($searchTerm), concat('^', $Term ,'$')))) else true()"
              flag="error"
              role="error">
      <sch:value-of select="$excludedFromRollUpNonACCMErrorMessage"/>The value(s) [
    <sch:value-of select="string-join(for $searchTerm in tokenize(normalize-space(string($nonACCMSearchTermList)), ' ') return if($searchTerm = $nonACCMListTok) then null else $searchTerm,'
')"/>] that contribute to rollup could not be found.
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

3.17 - ./Lib/ValidateValueExistenceInList.sch

Code Description

This abstract pattern checks to see if an attribute of an element exists in a list. The calling rule must pass \$context, \$searchTerm, \$list, \$errMsg.

Schematron Code

```
<!--
  This abstract pattern checks to see if an attribute of an element exists in a list.

  $context      := the context in which the searchValue exists
  $searchTerm    := the value which you want to verify is in the list
  $list          := the list in which to search for the searchValue
  $errMsg        := the error message text to display when the assertion fails

  Example usage:
  <sch:pattern is-a="ValidateValueExistenceInList" id="IRM_ID_00027" xmlns:sch="http://purl.oclc.org/dsdl/schematron">
    <sch:param name="context" value="//irm:CountryCode[@irm:vocabulary='FIPS']"/>
    <sch:param name="searchTerm" value="."/>
    <sch:param name="list" value="$coverageFipsDigraphList"/>
    <sch:param name="errMsg" value="'
      [IRM-ID-00027][Error]
      If element CountryCode has attribute vocabulary specified as FIPS
      the element value must be in CVEnumIRMCoverageFIPSDigraph.xml.
    '"/>
  </sch:pattern>

  Note: $iso4217TrigraphList is defined in the main document, IRM_XML.xml.
-->
<sch:pattern abstract="true" id="ValidateValueExistenceInList">
  <sch:rule id="ValidateValueExistenceInList-R1" context="$context">
    <sch:assert test="some $token in $list satisfies $token = $searchTerm"
      flag="error"
      role="error">
      <sch:value-of select="$errMsg"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

3.18 - ./Lib/ValuesOrderedAccordingToCve.sch

Code Description

To perform sorting, each attribute token is converted into a numerical value based on its characters. Next, each attribute token is given an order number, which compares its position to that of its value in the CVE file. Next, each order number is compared to that of its previous sibling to determine if the tokens are in order. If a token is found whose order number is less than that of its previous sibling, 0 is returned for its sorted order number. If a token's order number is greater than that of its previous sibling, 1 is returned. If two tokens have the same order number, their original attribute values are compared. If the original attribute value contains numbers then the comparison is made on its converted numerical value; otherwise, the comparison is made on its string value. If an attribute value is found whose value is less than that of its previous sibling, 0 is returned for its sorted order number; otherwise 2 is returned. Finally, if any tokens are found with 0 as its sorted order number, then the rule fails as those tokens are out of order.

Schematron Code

```
<sch:pattern abstract="true" id="ValuesOrderedAccordingToCve">
  <sch:rule id="ValuesOrderedAccordingToCve-R1"
    context="*[$ISM_USGOV_RESOURCE and @ism:$attrLocalName]"><!-- Convert each character to a numerical value, then concatenate the results to form a number-string -->
  <sch:assert test="count(tokenize(util:unsortedValues(@ism:$attrLocalName, $cveTermList),' ') = 0"
    flag="error"
    role="error">
    <sch:value-of select="$errorMessage"/>The following values are out of order [
  <sch:value-of select="util:unsortedValues(@ism:$attrLocalName, $cveTermList)"/>] for [
  <sch:value-of select="@ism:$attrLocalName"/>]
</sch:assert>
  </sch:rule>
</sch:pattern>
```

3.19 - ./Lib/ValuesOrderedAccordingToCveWhenContributesToRollup.sch

Code Description

For values that contributed to rollup, the values are ordered according to its CVE To perform sorting, each attribute token is converted into a numerical value based on its characters. Next, each attribute token is given an order number, which compares its position to that of its value in the CVE file. Next, each order number is compared to that of its previous sibling to determine if the tokens are in order. If a token is found whose order number is less than that of its previous sibling, 0 is returned for its sorted order number. If a token's order number is greater than that of its previous sibling, 1 is returned. If two tokens have the same order number, their original attribute values are compared. If the original attribute value contains numbers then the comparison is made on its converted numerical value; otherwise, the comparison is made on its string value. If an attribute value is found whose value is less than that of its previous sibling, 0 is returned for its sorted order number; otherwise 2 is returned. Finally, if any tokens are found with 0 as its sorted order number, then the rule fails as those tokens are out of order. For values that do not contribute to rollup, the values are ordered alphabetically

Schematron Code

```
<sch:pattern abstract="true" id="ValuesOrderedAccordingToCveWhenContributesToRollup">
  <sch:rule id="ValuesOrderedAccordingToCveWhenContributesToRollup-R1"
    context="*[$ISM_USGOV_RESOURCE and @ism:$attrLocalName]">
    <sch:assert test="if ($contributesToRollup) then count(tokenize(util:unsortedValues(@ism:$attrLocalName, $cveTermList),' '))=0 else true()"
      flag="error"
      role="error">
      <sch:value-of select="$cveOrderErrorMessage"/>The following values [
<sch:value-of select="util:unsortedValues(@ism:$attrLocalName, $cveTermList)"/>] for [
<sch:value-of select="@ism:$attrLocalName"/>] that contribute to rollup are out of order with respect to its CVE.
</sch:assert>
    <sch:assert test="if (not($contributesToRollup)) then count(tokenize(util:nonalphabeticValues($attrValues),' '))=0 else true()"
      flag="error"
      role="error">
      <sch:value-of select="$alphabetOrderErrorMessage"/>The following values [
<sch:value-of select="util:nonalphabeticValues($attrValues)"/>] for [
<sch:value-of select="@ism:$attrLocalName"/>] that does not contribute to rollup are not in the expected alphabetical order.
</sch:assert>
  </sch:rule>
</sch:pattern>
```

3.20 - ./Lib/ValuesOrderedAccordingToCveWhenContributesToRollupACCM.sch

Code Description

For values that contributed to rollup, the values are ordered according to its CVE To perform sorting, each attribute token is converted into a numerical value based on its characters. Next, each attribute token is given an order number, which compares its position to that of its value in the CVE file. Next, each order number is compared to that of its previous sibling to determine if the tokens are in order. If a token is found whose order number is less than that of its previous sibling, 0 is returned for its sorted order number. If a token's order number is greater than that of its previous sibling, 1 is returned. If two tokens have the same order number, their original attribute values are compared. If the original attribute value contains numbers then the comparison is made on its converted numerical value; otherwise, the comparison is made on its string value. If an attribute value is found whose value is less than that of its previous sibling, 0 is returned for its sorted order number; otherwise 2 is returned. Finally, if any tokens are found with 0 as its sorted order number, then the rule fails as those tokens are out of order. For values that do not contribute to rollup, the values are ordered alphabetically

Schematron Code

```
<sch:pattern abstract="true"
    id="ValuesOrderedAccordingToCveWhenContributesToRollupACCM">
  <sch:rule id="ValuesOrderedAccordingToCveWhenContributesToRollupACCM-R1"
    context="*[$ISM_USGOV_RESOURCE and @ism:$attrLocalName]">
    <sch:assert test="if ($contributesToRollup) then count(tokenize(util:unsortedValues(@ism:$attrLocalName, $cveTermList),' '))=0 else true()"
      flag="error"
      role="error">
      <sch:value-of select="$includedInRollUpErrorMessage"/>The following values [
<sch:value-of select="util:unsortedValues(@ism:$attrLocalName, $cveTermList)"/>] for [
<sch:value-of select="@ism:$attrLocalName"/>] that contribute to rollup are out of order with respect to its CVE.
</sch:assert>
    <sch:assert test="if (not($contributesToRollup)) then count(tokenize(util:unorderedValues($nonACCMAttrValuesTok, $nonACCMCveTermListTok),' '))=0 else true()"
      flag="error"
      role="error">
      <sch:value-of select="$excludedFromRollUpNonACCMErrorMessage"/>The following non-ACCM values [
<sch:value-of select="util:unorderedValues($nonACCMAttrValuesTok, $nonACCMCveTermListTok)"/>] for [
<sch:value-of select="@ism:$attrLocalName"/>] that does not contribute to rollup are out of order with respect to its CVE.
</sch:assert>
    <sch:assert test="if (not($contributesToRollup)) then count(tokenize(util:nonalphabeticValues($ACCMAttrValuesTok),' '))=0 else true()"
      flag="error"
      role="error">
      <sch:value-of select="$excludedFromRollUpACCMErrorMessage"/>The following ACCM values [
<sch:value-of select="util:nonalphabeticValues($ACCMAttrValuesTok)"/>] for [
<sch:value-of select="@ism:$attrLocalName"/>] that does not contribute to rollup are not in the expected alphabetical order.
</sch:assert>
    <sch:assert test="if (not($contributesToRollup)) then count(tokenize(util:relativeOrderBetweenACCMAndNonACCMWhenExcludeFromRollup($attrValues),' '))=0 else true()"
      flag="error"
      role="error">
      <sch:value-of select="$excludedFromRollUpACCMRelativeLocationErrorMessage"/>The following non-ACCM values [
<sch:value-of select="util:relativeOrderBetweenACCMAndNonACCMWhenExcludeFromRollup($attrValues)"/>] for [
<sch:value-of select="@ism:$attrLocalName"/>] that does not contribute to rollup are not in the correct relative order to the ACCM values [
<sch:value-of select="util:getStringFromSequence($ACCMAttrValuesTok)"/>]. The ACCM values exist between the LEFT set of non-ACCMs [
<sch:value-of select="$nonACCMLeftSetTok"/>] and the RIGHT set of non-ACCMs [
<sch:value-of select="$nonACCMRightSetTok"/>].
</sch:assert>
  </sch:rule>
</sch:pattern>
```

Chapter 4 - Schematron Schema

The top level Schematron file for ISM is in this section. This file imports all of the others and also defines many global variables they are all dependent on.

4.1 - ../ISM_XML.sch

Code Description

This is the root file for the ISM Schematron rule set. It loads all of the required CVEs declares some variables and includes all of the Rule .sch files.

Schematron Code

```
<?ICEA master?>
<!-- Distribution Notice:
    This document is being made available by the Intelligence Community Chief Information Officer
    to Federal, State, Local, Tribal, and Foreign Partners and associated contractors. Approval for
    any further distribution must be coordinated via the Intelligence Community Chief Information
    Officer, at ic-standards-support@iarpa.gov. --><!-- WARNING:
    Once compiled into an XSLT the result will
    be the aggregate classification of all the CVES
    and included .sch files
-->
<sch:schema queryBinding="xslt2">
    <sch:ns uri="urn:us:gov:ic:ism" prefix="ism"/>
    <sch:ns uri="urn:us:gov:ic:ntk" prefix="ntk"/>
    <sch:ns uri="urn:us:gov:ic:taxonomy:catt:tetragraph" prefix="catt"/>
    <sch:ns uri="urn:us:gov:ic:cve" prefix="cve"/>
    <sch:ns uri="deprecated:value:function" prefix="dvf"/>
    <sch:ns uri="urn:us:gov:ic:ism:xsl:util" prefix="util"/>
    <!-- (U) Abstract Patterns -->
<sch:include href="Lib/AttributeContributesToRollup.sch"/>
<sch:include href="Lib/AttributeContributesToRollupWithException.sch"/>
<sch:include href="Lib/AttributeContributesToRollupWithClassification.sch"/>
<sch:include href="Lib/AttributeValueDeprecatedError.sch"/>
<sch:include href="Lib/AttributeValueDeprecatedWarning.sch"/>
<sch:include href="Lib/CheckCommonCountries.sch"/>
<sch:include href="Lib/DataHasCorrespondingNotice.sch"/>
<sch:include href="Lib/DataHasCorrespondingNoticeWithException.sch"/>
<sch:include href="Lib/MutuallyExclusiveAttributeValues.sch"/>
<sch:include href="Lib/NonCompilationDocumentRollup.sch"/>
<sch:include href="Lib/NoticeHasCorrespondingData.sch"/>
<sch:include href="Lib/NoticeHasCorrespondingDataUnclassDoc.sch"/>
<sch:include href="Lib/NtkHasCorrespondingData.sch"/>
<sch:include href="Lib/TypeConstraintPatterns.sch"/>
<sch:include href="Lib/ValidateValueExistenceInList.sch"/>
<sch:include href="Lib/ValidateTokenValuesExistenceInList.sch"/>
<sch:include href="Lib/ValidateTokenValuesExistenceInListWhenContributesToRollup.sch"/>
<sch:include href="Lib/ValidateTokenValuesExistenceInListWhenContributesToRollupACCM.sch"/>
<sch:include href="Lib/ValuesOrderedAccordingToCve.sch"/>
<sch:include href="Lib/ValuesOrderedAccordingToCveWhenContributesToRollup.sch"/>
<sch:include href="Lib/ValuesOrderedAccordingToCveWhenContributesToRollupACCM.sch"/>
    <!-- (U) Resources -->
<sch:let name="countriesList"
    value="document('.../CVE/ISM/CVEnumISMCAOwnerProducer.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<sch:let name="classificationAllList"
    value="document('.../CVE/ISM/CVEnumISMClassificationAll.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<sch:let name="classificationUSList"
    value="document('.../CVE/ISM/CVEnumISMClassificationUS.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<sch:let name="ownerProducerList"
    value="document('.../CVE/ISM/CVEnumISMCAOwnerProducer.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<sch:let name="declassExceptionList"
    value="document('.../CVE/ISM/CVEnumISM25X.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<sch:let name="FGISourceOpenList"
    value="document('.../CVE/ISM/CVEnumISMCAFGIOpen.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
```

```

<sch:let name="FGISourceProtectedList"
  value="document('.../CVE/ISMCAT/CVEnumISMCATFGIProtected.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<sch:let name="nonICmarkingsList"
  value="document('.../CVE/ISM/CVEnumISMNonIC.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<sch:let name="releasableToList"
  value="document('.../CVE/ISMCAT/CVEnumISMCATRelTo.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<sch:let name="SCIcontrolsList"
  value="document('.../CVE/ISM/CVEnumISMSCIControls.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<sch:let name="SARIdentifierList"
  value="document('.../CVE/ISM/CVEnumISMSAR.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<sch:let name="validAttributeList"
  value="document('.../CVE/ISM/CVEnumISMAttributes.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<sch:let name="validElementList"
  value="document('.../CVE/ISM/CVEnumISMElements.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<sch:let name="noticeList"
  value="document('.../CVE/ISM/CVEnumISMNotice.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<sch:let name="nonUSControlsList"
  value="document('.../CVE/ISM/CVEnumISMNonUSControls.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<sch:let name="exemptFromList"
  value="document('.../CVE/ISM/CVEnumISMExemptFrom.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<sch:let name="atomicEnergyMarkingsList"
  value="document('.../CVE/ISM/CVEnumISMArmyEnergyMarkings.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<sch:let name="displayOnlyToList"
  value="document('.../CVE/ISMCAT/CVEnumISMCATRelTo.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<sch:let name="pocTypeList"
  value="document('.../CVE/ISM/CVEnumISMPocType.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<sch:let name="compliesWithList"
  value="document('.../CVE/ISM/CVEnumISMCompliesWith.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<!-- ISMCAT Dependencies -->
<sch:let name="catRaw"
  value="document('.../Taxonomy/ISMCAT/TetragraphTaxonomy.xml')"/>
<sch:let name="catt"
  value="document('.../Taxonomy/ISMCAT/TetragraphTaxonomyDenormalized.xml')"/>
<sch:let name="cattMappings" value="$catt//catt:Tetragraph"/>
<sch:let name="tetragraphList"
  value="document('.../CVE/ISMCAT/CVEnumISMCATTetragraph.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<!-- Grab all of the distinct groupings of @ism:ownerProducer, @ism:releasableTo, @ism:displayOnlyTo, @ism:FGISourceOpen, and @ism:FGISourceProtected
Then tokenize each of one of the groupings and get the distinct of that set of tokens.-->
<sch:let name="countriesAndTetras"
  value="distinct-values(for $each in distinct-values((/descendant-or-self::node()//@ism:ownerProducer | /descendant-or-self::node()//@ism:releasableTo | /
descendant-or-self::node()//@ism:displayOnlyTo | /descendant-or-self::node()//@ism:FGISourceOpen | /descendant-or-self::node()//@ism:FGISourceProtected)) return util:tokenize($each))"/>
<sch:let name="tetras"
  value="for $value in $countriesAndTetras return if ($catt//catt:Tetragraph[catt:TetraToken=$value]) then $value else null"/>
<sch:let name="catt_new"
  value="for $node in $catt/* return if (local-name($node)='Organization') then 'MEM' else $node"/>
<!-- (U) Resources that may include FOUO values -->
<sch:let name="disseminationControlsList"
  value="document('.../CVE/ISM/CVEnumISMDissem.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<!-- =====><!-- (U) Universal Lets
=====--><!-- ISM_RESOURCE_ELEMENT (node): The first element with attribute ism:resourceElement='true' -->
<sch:let name="ISM_RESOURCE_ELEMENT"
  value="(for $each in (/*) return if ( if(string( $each/@ism:resourceElement) castable as xs:boolean) then if($each/@ism:resourceElement = true()) then true()
else false() else false()) then $each else null)[1]"/>
<!-- (U) ISM_RESOURCE_CREATE_DATE (date): The date a Resource was created, or the ism:createDate attribute on the

```

```

    ISM_RESOURCE_ELEMENT node. -->
<sch:let name="ISM_RESOURCE_CREATE_DATE"
    value="$ISM_RESOURCE_ELEMENT/@ism:createDate"/>
    <!-- =====><!-- (U) Get Variables for 'Complies With' --><!--
=====--><!-- ISM_USGOV_RESOURCE (boolean): True if the compliesWith attribute contains 'USGov' -->
<sch:let name="ISM_USGOV_RESOURCE"
    value="util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/@ism:compliesWith, ('USGov'))"/>
    <!-- ISM_OTHER_AUTH_RESOURCE (boolean): True if the compliesWith attribute contains 'otherAuth' -->
<sch:let name="ISM_OTHER_AUTH_RESOURCE"
    value="util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/@ism:compliesWith, ('OtherAuthority'))"/>
    <!-- ISM_USIC_RESOURCE (boolean): True if the compliesWith attribute contains 'USIC' -->
<sch:let name="ISM_USIC_RESOURCE"
    value="util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/@ism:compliesWith, ('USIC'))"/>
    <!-- ISM_USDOD_RESOURCE (boolean): True if the compliesWith attribute contains 'USDOD' -->
<sch:let name="ISM_USDOD_RESOURCE"
    value="util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/@ism:compliesWith, ('USDOD'))"/>
    <!-- =====><!-- (U) Get Exemption Variables --><!--
=====--><!-- (U) ISM_710_FDR_EXEMPT (boolean): True if the document claims exemption from mandatory
Foreign Disclosure and Release markings in ICD-710. False otherwise. -->
<sch:let name="ISM_710_FDR_EXEMPT"
    value="index-of(tokenize(normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:exemptFrom)), ' '), 'IC_710_MANDATORY_FDR') &gt; 0 or not($ISM_USIC_RESOURCE)"/>
    <!-- (U) ISM_DOD_DISTRO_EXEMPT (boolean): True if the document claims exemption from requirements
to have DoD Distribution Statements. False otherwise. -->
<sch:let name="ISM_DOD_DISTRO_EXEMPT"
    value="index-of(tokenize(normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:exemptFrom)), ' '), 'DOD_DISTRO_STATEMENT') &gt; 0 or not($ISM_USDOD_RESOURCE)"/>
    <!-- (U) ISM_ORCON_POC_DATE (date): The date after which a point-of-contact is required for all documents containing ORCON data -->
<sch:let name="ISM_ORCON_POC_DATE" value="xs:date('2011-03-11')"/>
    <!-- =====><!-- (U) Get Banner Attributes --><!--
=====-->
<sch:let name="bannerClassification"
    value="normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:classification))"/>
    <sch:let name="bannerDisseminationControls"
    value="normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:disseminationControls))"/>
    <sch:let name="bannerDisplayOnlyTo"
    value="normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:displayOnlyTo))"/>
    <sch:let name="bannerNonICmarkings"
    value="normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:nonICmarkings))"/>
    <sch:let name="bannerFGISourceOpen"
    value="normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:FGISourceOpen))"/>
    <sch:let name="bannerFGISourceProtected"
    value="normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:FGISourceProtected))"/>
    <sch:let name="bannerReleasableTo"
    value="normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:releasableTo))"/>
    <sch:let name="bannersSCIcontrols"
    value="normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:SCIcontrols))"/>
    <sch:let name="bannerNotice"
    value="normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:noticeType))"/>
    <sch:let name="bannerSARIdentifier"
    value="normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:SARIdentifier))"/>
    <sch:let name="bannerAtomicEnergyMarkings"
    value="normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:atomicEnergyMarkings))"/>
    <!-- =====><!-- (U) Tokenize Banner Attributes --><!--
=====-->
<sch:let name="bannerDisseminationControls_tok"
```

```

        value="tokenize(normalize-space(string($bannerDisseminationControls)), ' ')">
<sch:let name="bannerDisplayOnlyTo_tok"
        value="tokenize(normalize-space(string($bannerDisplayOnlyTo)), ' ')">
<sch:let name="bannerNonICmarkings_tok"
        value="tokenize(normalize-space(string($bannerNonICmarkings)), ' ')">
<sch:let name="bannerFGISourceOpen_tok"
        value="tokenize(normalize-space(string($bannerFGISourceOpen)), ' ')">
<sch:let name="bannerFGISourceProtected_tok"
        value="tokenize(normalize-space(string($bannerFGISourceProtected)), ' ')">
<sch:let name="bannerReleasableTo_tok"
        value="tokenize(normalize-space(string($bannerReleasableTo)), ' ')">
<sch:let name="bannerSCIcontrols_tok"
        value="tokenize(normalize-space(string($bannerSCIcontrols)), ' ')">
<sch:let name="bannerNotice_tok"
        value="tokenize(normalize-space(string($bannerNotice)), ' ')">
<sch:let name="bannerSARIdentifier_tok"
        value="tokenize(normalize-space(string($bannerSARIdentifier)), ' ')">
<sch:let name="bannerAtomicEnergyMarkings_tok"
        value="tokenize(normalize-space(string($bannerAtomicEnergyMarkings)), ' ')">
<!-- =====><!-- (U) Get all portions that meet ISM_CONTRIBUTES, or all non-resource nodes --><!--
that do not specify ism:excludeFromRollup='true' and have an          --><!-- ism:classification.          --><!-- Similar portion
classifications include ISM_CONTRIBUTES_CLASSIFIED, or          --><!-- all portions meeting ISM_CONTRIBUTES that also have an ism:classification --><!-- attribute not equal to [U], and
ISM_CONTRIBUTES_USA, or all portions          --><!-- meeting ISM_CONTRIBUTES that also have an ism:ownerProducer containing          --><!--
[USA].          --><!-- =====>
<sch:let name="partTags"
        value="/descendant-or-self::node()[@ism:classification and util:contributesToRollup(.) and not(generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT))]">
<!-- (U) Get Part Attributes -->
<sch:let name="partClassification"
        value="for $token in $partTags/@ism:classification return tokenize(normalize-space(string($token)), ' ')">
<sch:let name="partOwnerProducer"
        value="for $token in $partTags/@ism:ownerProducer return tokenize(normalize-space(string($token)), ' ')">
<sch:let name="partDisseminationControls"
        value="for $token in $partTags/@ism:disseminationControls return tokenize(normalize-space(string($token)), ' ')">
<sch:let name="partDisplayOnlyTo"
        value="for $token in $partTags/@ism:displayOnlyTo return tokenize(normalize-space(string($token)), ' ')">
<sch:let name="partAtomicEnergyMarkings"
        value="for $token in $partTags/@ism:atomicEnergyMarkings return tokenize(normalize-space(string($token)), ' ')">
<sch:let name="partNonICmarkings"
        value="for $token in $partTags/@ism:nonICmarkings return tokenize(normalize-space(string($token)), ' ')">
<sch:let name="partFGISourceOpen"
        value="for $token in $partTags/@ism:FGISourceOpen return tokenize(normalize-space(string($token)), ' ')">
<sch:let name="partFGISourceProtected"
        value="for $token in $partTags/@ism:FGISourceProtected return tokenize(normalize-space(string($token)), ' ')">
<sch:let name="partSCIcontrols"
        value="for $token in $partTags/@ism:SCIcontrols return tokenize(normalize-space(string($token)), ' ')">
<sch:let name="partNoticeType"
        value="for $token in $partTags/@ism:noticeType return tokenize(normalize-space(string($token)), ' ')">
<sch:let name="partSARIdentifier"
        value="for $token in $partTags/@ism:SARIdentifier return tokenize(normalize-space(string($token)), ' ')">
<sch:let name="partPocType"
        value="//*/@ism:pocType[util:contributesToRollup(/parent::node()) and not(generate-id(/parent::node()) = generate-id($ISM_RESOURCE_ELEMENT)) and not(/
parent::node()/@ism:externalNotice = true())]">
<!-- (U) Tokenize portion Attributes -->
<sch:let name="partClassification_tok"

```

```

        value="for $token in $partClassification return tokenize(normalize-space(string($token)), ' ')">/>
<sch:let name="partOwnerProducer_tok"
        value="for $token in $partOwnerProducer return tokenize(normalize-space(string($token)), ' ')">/>
<sch:let name="partDisseminationControls_tok"
        value="for $token in $partDisseminationControls return tokenize(normalize-space(string($token)), ' ')">/>
<sch:let name="partDisplayOnlyTo_tok"
        value="for $token in $partDisplayOnlyTo return tokenize(normalize-space(string($token)), ' ')">/>
<sch:let name="partAtomicEnergyMarkings_tok"
        value="for $token in $partAtomicEnergyMarkings return tokenize(normalize-space(string($token)), ' ')">/>
<sch:let name="partNonICmarkings_tok"
        value="for $token in $partNonICmarkings return tokenize(normalize-space(string($token)), ' ')">/>
<sch:let name="partSCIcontrols_tok"
        value="for $token in $partSCIcontrols return tokenize(normalize-space(string($token)), ' ')">/>
<sch:let name="partNoticeType_tok"
        value="for $token in $partNoticeType return tokenize(normalize-space(string($token)), ' ')">/>
<sch:let name="partSARIdentifier_tok"
        value="for $token in $partSARIdentifier return tokenize(normalize-space(string($token)), ' ')">/>
<sch:let name="partPocType_tok"
        value="for $token in $partPocType return tokenize(normalize-space(string($token)), ' ')">/>
<!-- (U) Tokenize Notice Nodes -->
<sch:let name="partNoticeNodeType"
        value="for $token in $partTags/@ism:noticeType return tokenize(normalize-space(string($token)), ' ')">/>
<!--
(U) ISM_NSI_EO_APPLIES (boolean):
True if the current Classified National Security Information Executive
Order applies to this resource. This variable will be true if all of the following 4 conditions are satisfied:
1) The document is a ISM_USGOV_RESOURCE
AND
2) The ISM_RESOURCE_ELEMENT node has attribute ism:classification with a value other than [U]
AND
3) The ISM_RESOURCE_CREATE_DATE is on or after 11 April 1996 (180 days after 14 October 1995 signature of E.O. 12958)
AND
4) At least one element meeting ISM_CONTRIBUTES_CLASSIFIED does not have the attribute ism:atomicEnergyMarkings
-->
<sch:let name="ISM_NSI_EO_APPLIES"
        value="$ISM_USGOV_RESOURCE and not($ISM_RESOURCE_ELEMENT/@ism:classification = 'U') and $ISM_RESOURCE_CREATE_DATE >= xs:date('1996-04-11') and (some $element
in $partTags satisfies not($element/@ism:classification = 'U') and not($element/@ism:atomicEnergyMarkings))"/>
<!-- (U) Check roll-up of attributes in portions to the banner -->
<sch:let name="dcTags"
        value="for $piece in $disseminationControlsList return $piece/text()"/>
<sch:let name="dcTagsFound"
        value="for $token in $dcTags return if (index-of($partDisseminationControls_tok, $token) > 0 and (not(index-of($bannerDisseminationControls_tok, $token) >
0))) then $token else null"/>
<sch:let name="aeaTags"
        value="for $piece in $atomicEnergyMarkingsList return $piece/text()"/>
<sch:let name="aeaTagsFound"
        value="for $token in $aeaTags return if (index-of($partAtomicEnergyMarkings_tok, $token) > 0 and (not(index-of($bannerAtomicEnergyMarkings_tok, $token) >
0))) then $token else null"/>
<!-- Regex -->
<sch:let name="ACCMRegex" value="'^ACCM-[A-Z0-9\-\_]{1,61}$'"/>
<!-- nonACCM values left and right of ACCM values defined in CVEnumISMNonIC.xml -->
<sch:let name="nonACCMLeftSet" value="'DS'"/>
<sch:let name="nonACCMRightSet" value="'XD,ND,SBU,SBU-NF,LES,LES-NF,SSI,NNPI'"/>
<sch:let name="nonACCMLeftSetTok" value="tokenize($nonACCMLeftSet, ', ')">/>

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        <sch:let name="nonACCMRightSetTok" value="tokenize($nonACCMRightSet, ',')"/>
        <!--*****--><!-- (U) Custom XSLT functions --><!--*****--><!--
Returns true if the attribute @ism:excludeFromRollup is present and evaluates to 'true'
-->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:contributesToRollup"
              as="xs:boolean">
    <xsl:param name="context"/>
    <xsl:value-of select="not(string($context/@ism:excludeFromRollup) = string(true()))"/>
</xsl:function>
    <!-- Evaluate the attribute value tokens to determine whether any values
have been deprecated by comparing deprecation dates against $curDate.
If the value is deprecated, return either an ERROR or WARNING message,
depending on the isError flag. -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="dvf:deprecated"
              as="xs:string*">
    <xsl:param name="attribute" as="xs:string"/>
    <xsl:param name="depTerms" as="element()*"/>
    <xsl:param name="curDate" as="xs:date?"/>
    <xsl:param name="isError" as="xs:boolean"/>
    <!--$curDate param is optional in order to prevent compiled XSLT from breaking
when otherwise invalid documents are executed against the rules
(e.g. missing @ism:createDate).

    Only execute if there is date to compare against. -->
    <xsl:if test="count($curDate) = 1">
        <xsl:for-each select="$depTerms[cve:Value = tokenize($attribute, ' ')]">
            <xsl:if test="($isError and $curDate gt xs:date(@deprecated)) or (not($isError) and $curDate le xs:date(@deprecated))">
                <xsl:sequence select="concat('[', string(current()/cve:Value), '] has been deprecated and is not authorized for use after ', current()/@deprecated)"/>
            </xsl:if>
        </xsl:for-each>
    </xsl:if>
</xsl:function>
    <!--
Returns true if any token in the attribute value matches one of the provided regular expressions.
-->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:containsAnyTokenMatching"
              as="xs:boolean">
    <xsl:param name="attribute"/>
    <xsl:param name="regexList" as="xs:string+"/>
    <xsl:value-of select="some $attrToken in tokenize(normalize-space(string($attribute)), ' ') satisfies (some $regex in $regexList satisfies matches($attrToken,
$regex))"/>
</xsl:function>
    <!--
Returns true if any token in the attribute value matches at least one token in the provided list.
-->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:containsAnyOfTheTokens"
              as="xs:boolean">
    <xsl:param name="attribute"/>
    <xsl:param name="tokenList" as="xs:string*"/>
    <xsl:value-of select="some $attrToken in tokenize(normalize-space(string($attribute)), ' ') satisfies $attrToken = $tokenList"/>

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        </xsl:function>
        <!--
        Returns true if all token in the attribute value match at least one token in the provided list.
        -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:containsOnlyTheTokens"
              as="xs:boolean">
    <xsl:param name="attribute"/>
    <xsl:param name="tokenList" as="xs:string*" />
    <xsl:value-of select="every $attrToken in tokenize(normalize-space(string($attribute)), ' ') satisfies $attrToken = $tokenList" />
</xsl:function>
<!--
        Returns true if the token string value matches at least one token in the provided list.
        -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:existInTokenSet"
              as="xs:boolean">
    <xsl:param name="stringTokenValue"/>
    <xsl:param name="tokenList" as="xs:string*" />
    <xsl:value-of select="tokenize($stringTokenValue, ' ') = $tokenList" />
</xsl:function>
<!--
        Return a list of values as a space delimited string from a sequence of tokens that only matches the regex
        -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:getStringFromSequenceWithOnlyRegexValues"
              as="xs:string">
    <xsl:param name="attrValues" />
    <xsl:param name="regex" />
    <xsl:variable name="StringWithOnlyRegexValues">
        <xsl:for-each select="$attrValues"><!-- if value does match the regex, return that value -->
        <xsl:if test="matches(current(), $regex)">
            <xsl:value-of select="current()" />
        </xsl:if>
        <xsl:value-of select="' ' " />
        </xsl:for-each>
    </xsl:variable>
    <xsl:value-of select="normalize-space(string($StringWithOnlyRegexValues))" />
</xsl:function>
<!--
        Return a list of values as a space delimited string from a sequence of tokens that filters out anything matching the regex
        -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:getStringFromSequenceWithoutRegexValues"
              as="xs:string">
    <xsl:param name="attrValues" />
    <xsl:param name="regex" />
    <xsl:variable name="StringWithoutRegexValues">
        <xsl:for-each select="$attrValues"><!-- if value does not match the regex, return that value -->
        <xsl:if test="not(matches(current(), $regex))">
            <xsl:value-of select="current()" />
        </xsl:if>
        <xsl:value-of select="' ' " />
        </xsl:for-each>
    </xsl:variable>
    <xsl:value-of select="normalize-space(string($StringWithoutRegexValues))" />
</xsl:function>

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        </xsl:variable>
        <xsl:value-of select="normalize-space(string($StringWithoutRegexValues))"/>
    </xsl:function>
    <!--
    Return a list of values as a space delimited string from a sequence of tokens
    -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:getStringFromSequence"
              as="xs:string">
    <xsl:param name="attrValues"/>
    <xsl:variable name="StringValues">
        <xsl:for-each select="$attrValues">
            <xsl:value-of select="current()"/>
            <xsl:value-of select="' '"/>
        </xsl:for-each>
    </xsl:variable>
    <xsl:value-of select="normalize-space(string($StringValues))"/>
</xsl:function>
    <!--
    Determines if values in an attribute are in sorted alphabetical order
    -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:nonalphabeticalValues"
              as="xs:string">
    <xsl:param name="attrValues"/>
    <xsl:variable name="badValues">
        <xsl:for-each select="$attrValues"><!-- iterate over each attribute value, except the last one because the comparison is i to i+1 so the last one gets incorporated --
    >
        <xsl:if test="not(index-of($attrValues, current())[last()] = count($attrValues))"><!-- compares if current value is greater than next value meaning its out of alphabetical order -->
            <xsl:if test="compare(current(), $attrValues[index-of($attrValues, current()) + 1]) = 1">
                <xsl:value-of select="$attrValues[index-of($attrValues, current()) + 1]"/>
            </xsl:if>
            <xsl:value-of select="' '"/>
        </xsl:if>
    </xsl:for-each>
    </xsl:variable>
    <xsl:value-of select="normalize-space(string($badValues))"/>
</xsl:function>
    <!--
    Determines if ACCM values are in the correct relative order to Non ACCMs when nonIC attribute
    is excluded from rollup.
    NOTE: This function only checks the left and right boundaries when transitioning from nonACCM to ACCM and vice versa
    since ACCM to ACCM values and nonACCM to nonACCM values have checks already for value and order validation.
    -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:relativeOrderBetweenACCMAndNonACCMWhenExcludeFromRollup"
              as="xs:string">
    <xsl:param name="attrValues" as="xs:string*" />
    <xsl:variable name="badValues">
        <xsl:for-each select="$attrValues"><!-- iterate over each attribute value, except the last one because the comparison is i to i+1 so the last one gets incorporated --
    >
        <xsl:if test="not(index-of($attrValues, current())[last()] = count($attrValues))"><!-- Left Boundary Check (current is nonACCM, next is ACCM, current element is NOT from LEFT set,
return current element) -->
            <xsl:if test="not(matches(current(), $ACCMRegex)) and matches($attrValues[index-of($attrValues, current()) + 1], $ACCMRegex) and not(util:existInTokenSet(current(),
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$nonACCMLeftSetTok))">
    <xsl:value-of select="current()"/>
</xsl:if>
<!-- Right Boundary Check (current is ACCM, next is nonACCM, next element is NOT from RIGHT set, return next element) -->
    <xsl:if test="matches(current(), $ACCMRegex) and not(matches($attrValues[index-of($attrValues, current()) + 1], $ACCMRegex)) and not(util:existInTokenSet($attrValues[index-
of($attrValues, current()) + 1], $nonACCMRightSetTok))">
        <xsl:value-of select="$attrValues[index-of($attrValues, current()) + 1]"/>
    </xsl:if>
    <xsl:value-of select="' '"/>
</xsl:if>
</xsl:for-each>
</xsl:variable>
<xsl:value-of select="normalize-space(string($badValues))"/>
</xsl:function>
<!--
    Determines if values in an attribute are in sorted order based on a master list
-->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:unorderedValues"
    as="xs:string">
    <xsl:param name="attrValues" as="xs:string*" />
    <xsl:param name="tokenList" as="xs:string*" />
    <xsl:variable name="badValues">
        <xsl:for-each select="$attrValues"><!-- iterate over each attribute value, except the last one because the comparison is i to i+1 so the last one gets incorporated -->
            <xsl:if test="not(index-of($attrValues, current())[last()] = count($attrValues))"><!-- calculate the indices of attrValues[i] and attrValues[i+1] within the TokenList -->
                <xsl:variable name="indexOfValue"
                    select="util:getIndexFromListMatch(current(), $tokenList)"/>
                <xsl:variable name="indexOfNextValue"
                    select="util:getIndexFromListMatch($attrValues[index-of($attrValues, current()) + 1], $tokenList)"/>
                <xsl:choose>
                    <xsl:when test="$indexOfValue = $indexOfNextValue"><!-- if same index in tokenList, make sure that attrValues[i] < attrValues[i+1] --><!-- this comparison
is required because of regular expressions in the list. Two tokens
may have the same index in the list, but then they must be in order between themselves -->
                        <xsl:if test="compare(current(), $attrValues[index-of($attrValues, current()) + 1]) = 1">
                            <xsl:value-of select="$attrValues[index-of($attrValues, current()) + 1]"/>
                        </xsl:if>
                    </xsl:when>
                    <xsl:when test="$indexOfValue > $indexOfNextValue"><!-- if index of i > index of i+1, then i+1 is out of order so return it -->
                        <xsl:value-of select="$attrValues[index-of($attrValues, current()) + 1]"/>
                    </xsl:when>
                </xsl:choose>
                <xsl:value-of select="' '"/>
            </xsl:if>
        </xsl:for-each>
    </xsl:variable>
    <xsl:value-of select="normalize-space(string($badValues))"/>
</xsl:function>
<!--
    Determines if values in an attribute are in sorted order based on a master list
-->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:unsortedValues"
    as="xs:string">
    <xsl:param name="attribute"/>

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        <xsl:param name="tokenList" as="xs:string*" />
        <xsl:variable name="attrValues"
            select="tokenize(normalize-space(string($attribute)), ' ')" />
        <xsl:variable name="badValues">
            <xsl:for-each select="$attrValues"><!-- iterate over each attribute value, except the last one because the comparison is i to i+1 so the last one gets incorporated -->
<xsl:if test="not(index-of($attrValues, current())[last()] = count($attrValues))"><!-- calculate the indices of attrValues[i] and attrValues[i+1] within the TokenList -->
    <xsl:variable name="indexOfValue"
        select="util:getIndexFromListMatch(current(), $tokenList)" />
        <xsl:variable name="indexOfNextValue"
            select="util:getIndexFromListMatch($attrValues[index-of($attrValues, current()) + 1], $tokenList)" />
        <xsl:choose>
            <xsl:when test="$indexOfValue = $indexOfNextValue"><!-- if same index in tokenList, make sure that attrValues[i] < attrValues[i+1] --><!-- this comparison
is required because of regular expressions in the list. Two tokens
            may have the same index in the list, but then they must be in order between themselves -->
            <xsl:if test="compare(current(), $attrValues[index-of($attrValues, current()) + 1]) = 1">
                <xsl:value-of select="$attrValues[index-of($attrValues, current()) + 1]" />
            </xsl:if>
            </xsl:when>
            <xsl:when test="$indexOfValue > $indexOfNextValue"><!-- if index of i > index of i+1, then i+1 is out of order so return it -->
<xsl:value-of select="$attrValues[index-of($attrValues, current()) + 1]" />
            </xsl:when>
        </xsl:choose>
        <xsl:value-of select="'' ' " />
    </xsl:if>
</xsl:for-each>
</xsl:variable>
<xsl:value-of select="normalize-space(string($badValues))" />
</xsl:function>
<!-- Return the index position in the list that matches the value. -1 if no match -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:getIndexFromListMatch"
    as="xs:integer">
    <xsl:param name="value" as="xs:string" />
    <xsl:param name="list" as="xs:string*" />
    <xsl:variable name="index">
        <xsl:for-each select="$list">
            <xsl:if test="matches($value, concat('^', current(), '$'))">
                <xsl:value-of select="index-of($list, current())[1]" />
            </xsl:if>
        </xsl:for-each>
    </xsl:variable>
    <xsl:choose>
        <xsl:when test="$index = ''">
            <xsl:value-of select="-1" />
        </xsl:when>
        <xsl:otherwise>
            <xsl:value-of select="number($index[1])" />
        </xsl:otherwise>
    </xsl:choose>
</xsl:function>
<!--
    Returns true if the value matches the provided regular expressions.
-->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"

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        name="util:meetsType"
        as="xs:boolean">
<xsl:param name="value"/>
<xsl:param name="typePattern" as="xs:string"/>
<xsl:value-of select="matches(normalize-space(string($value)), concat('^(', $typePattern, ')$'))"/>
</xsl:function>
<!-- ***** --><!-- ***** ADDED 2016-03-29 by CIA/DDI/ADO/
DSSG/DAI/DAS --><!-- Helper functions for implementing new common country functions for ISM-ID-00318 & ISM-ID-00320 -->
<sch:let name="decomposableTetraElems"
        value="$cattMappings[@decomposable[. = 'Yes']]">
<sch:let name="decomposableTetras"
        value="$decomposableTetraElems/catt:TetraToken/text()">
<!-- Returns the sequence of country codes that correspond to the given $tetra -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
        name="util:getCountriesForTetra"
        as="xs:string*">
    <xsl:param name="tetra" as="xs:string"/>
    <xsl:sequence select="$decomposableTetraElems[catt:TetraToken/text() = $tetra]/catt:Membership/catt:Country/text()">
</xsl:function>
<!-- Returns normalized $value with a preceding and subsequent space ( ' ' ) character -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
        name="util:padValue"
        as="xs:string">
    <xsl:param name="value" as="xs:string?">
    <xsl:value-of select="concat(' ', normalize-space($value), ' ')">
</xsl:function>
<!-- Returns the given $value with its values broken into tokens using whitespace as delimiters -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
        name="util:tokenize"
        as="xs:string*">
    <xsl:param name="value" as="xs:string?">
    <xsl:sequence select="tokenize(normalize-space($value), ' ')">
</xsl:function>
<!-- Returns the given sequence of $values joined into a normalized single string -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
        name="util:join"
        as="xs:string">
    <xsl:param name="values" as="xs:string*">
    <xsl:sequence select="normalize-space(string-join($values, ' '))">
</xsl:function>
<!-- Returns the given sequence of $values sorted alphabetically -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
        name="util:sort"
        as="xs:string*">
    <xsl:param name="values" as="xs:string*">
    <xsl:variable name="sortedValues">
        <xsl:for-each select="$values">
            <xsl:sort select="."/>
            <xsl:value-of select="util:padValue(.)"/>
        </xsl:for-each>
    </xsl:variable>
    <xsl:sequence select="util:tokenize($sortedValues)">
</xsl:function>
<!-- Returns the number of occurrences of $value in the given sequence of $expandedRelToStrings.

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        Counts are pre-calculated in $countryHash, so this function matches the counts in $countryHash
        to the expanded countries in $expandedRelToStrings -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:countIn"
    as="xs:double">
    <xsl:param name="value" as="xs:string"/>
    <xsl:param name="expandedRelToStrings" as="xs:string*" />
    <xsl:param name="countryHash" as="item()*" />
    <xsl:variable name="counts" as="xs:integer*">
        <xsl:for-each select="$expandedRelToStrings">
            <xsl:if test="util:containsAnyOfTheTokens(., $value)"><!-- If expanded RelTo string contains target country, return its original count from countryHash -->
                <xsl:variable name="expandedPosition" select="position()" />
                <xsl:sequence select="$countryHash[position() = $expandedPosition * 2]" />
            </xsl:if>
        </xsl:for-each>
    </xsl:variable>
    <xsl:sequence select="sum($counts)" />
</xsl:function>
<!-- Returns true if all tokens in $subset sequence are also present in $superset sequence -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:isSubsetOf"
    as="xs:boolean">
    <xsl:param name="subset" as="xs:string*" />
    <xsl:param name="superset" as="xs:string*" />
    <xsl:sequence select="(every $subsetToken in $subset satisfies $subsetToken = $superset)" />
</xsl:function>
<!-- Returns true if the given $relTo string (e.g. 'USA CAN GBR') contains any
    tetragraphs that can be decomposed into its constituent countries -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:containsDecomposableTetra"
    as="xs:boolean">
    <xsl:param name="relTo" as="xs:string?" />
    <xsl:sequence select="normalize-space($relTo) and util:containsAnyOfTheTokens($relTo, $decomposableTetras)" />
</xsl:function>
<!-- Given a sequence of $relToStrings (e.g. ('USA CAN GBR', 'USA AUS SPAA')), returns a set of tokens
    that are each of these $relToStrings decomposed using util:expandDecomposableTetras() -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:expandAllTetras"
    as="xs:string*">
    <xsl:param name="relToStrings" as="xs:string*" />
    <xsl:variable name="allTokens" as="xs:string*">
        <xsl:for-each select="$relToStrings">
            <xsl:variable name="expandedCountryTokens" select="util:expandDecomposableTetras(.)" />
            <xsl:value-of select="util:padValue(util:join($expandedCountryTokens))" />
        </xsl:for-each>
    </xsl:variable>
    <xsl:sequence select="$allTokens" />
</xsl:function>
<!-- Recursively remove all decomposable tetragraphs in the given $relTo string
    and replace them with their constituent countries. Note: Does not include USA -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:expandDecomposableTetras"
    as="xs:string*">
    <xsl:param name="relTo" as="xs:string" />

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        <xsl:variable name="expandedTetras">
            <xsl:choose>
                <xsl:when test="util:containsDecomposableTetra($relTo)">
                    <xsl:variable name="currTetra"
                        select="util:tokenize($relTo)[. = $decomposableTetras][1]"/>
                    <xsl:variable name="currTetraCountries"
                        select="util:join(util:getCountriesForTetra($currTetra))"/>
                    <xsl:variable name="expandCurrTetra"
                        select="replace(util:padValue($relTo), util:padValue($currTetra), util:padValue($currTetraCountries))"/>
                    <xsl:value-of select="util:expandDecomposableTetras($expandCurrTetra)"/>
                </xsl:when>
                <xsl:otherwise>
                    <xsl:value-of select="normalize-space($relTo)"/>
                </xsl:otherwise>
            </xsl:choose>
        </xsl:variable>
        <xsl:sequence select="distinct-values(util:tokenize($expandedTetras))[. != 'USA']"/>
    </xsl:function>
    <!-- Given the sequence of $relToStrings (e.g. ('USA CAN GBR', 'USA AUS ZWE', 'USA CAN GBR')), returns
         a sequence of unique strings and their counts, (e.g. ('USA CAN GBR', 2, 'USA AUS ZWE', 1) -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:createCountryHash"
    as="item()*">
    <xsl:param name="relToStrings" as="xs:string*" />
    <xsl:for-each-group select="$relToStrings" group-by=".">
        <xsl:sequence select="current-grouping-key(), count(current-group())"/>
    </xsl:for-each-group>
</xsl:function>
    <!-- Return the sequence of countries that form the intersection of common countries on all FD&R portions.
         Note: Does not include USA -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:calculateCommonCountries"
    as="xs:string*">
    <xsl:param name="portionCountryStrings" as="xs:string*" />
    <!-- Create "hash" of each RelTo string and the number of occurrences in the document -->
    <xsl:variable name="countryHash"
        select="util:createCountryHash($portionCountryStrings)"/>
    <!-- Expand tetragraphs in portion RelTo strings to get distinct countries -->
    <xsl:variable name="expandedTetras"
        select="util:expandAllTetras($countryHash[position() mod 2 = 1])"/>
    <xsl:variable name="distinctCountryTokens"
        select="distinct-values(util:tokenize(util:join($expandedTetras)))[. != 'USA']"/>
    <!-- Return country values that appear on every portion w/ FD&R markings -->
    <xsl:sequence select="$distinctCountryTokens[util:countIn(., $expandedTetras, $countryHash) = $countFdrPortions]"/>
</xsl:function>
<sch:let name="countFdrPortions" value="count($partTags[util:containsFDR()])"/>
<sch:let name="relToCalculatedBannerTokens"
    value="util:calculateCommonCountries($partTags/@ism:releasableTo)"/>
<sch:let name="relToActualBannerTokens"
    value="util:expandDecomposableTetras($ISM_RESOURCE_ELEMENT/@ism:releasableTo)"/>
<sch:let name="displayToCalculatedBannerTokens"
    value="util:calculateCommonCountries(($partTags/@ism:releasableTo, $partTags/@ism:displayOnlyTo))"/>
<sch:let name="displayToActualBannerTokens"
    value="util:expandDecomposableTetras(util:join(($ISM_RESOURCE_ELEMENT/@ism:releasableTo, $ISM_RESOURCE_ELEMENT/@ism:displayOnlyTo)))/>

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        <!-- Functions to support FD&R roll-up constraints --><!-- if input is a tetragraph and decomposable, return countries that belong to it -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:decomposeTetragraphs"
    as="xs:string*">
    <xsl:param name="releasableTo" as="xs:string"/>
    <xsl:value-of select="for $token in tokenize(normalize-space($releasableTo), ' ') return if (util:isTetragraph($token)) then util:getTetragraphMembership($token) else
$token"/>
</xsl:function>
<!-- Returns true if the input is a tetragraph -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:isTetragraph"
    as="xs:boolean">
    <xsl:param name="value" as="xs:string"/>
    <xsl:value-of select="some $token in $tetragraphList satisfies $token = $value"/>
</xsl:function>
<!-- Returns true if the input contains any tetragraph that is not decomposable -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:containsSpecialTetra"
    as="xs:boolean">
    <xsl:param name="releasableTo" as="xs:string"/>
    <!-- may need to change @decomposable to @catt:decomposable because there is a bug in the schema. -->
    <xsl:value-of select="some $token in tokenize(normalize-space($releasableTo), ' ') satisfies util:isTetragraph($token) and $catt//catt:Tetragraph[catt:TetraToken = $token]/
@decomposable[not(. = 'Yes' or . = 'Maybe')]">
</xsl:function>
<!-- Return true if the input contains any tetragraph where decomposable is "Maybe" -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:containsMaybeTetra"
    as="xs:boolean">
    <xsl:param name="releasableTo" as="xs:string"/>
    <xsl:value-of select="some $token in tokenize(normalize-space($releasableTo), ' ') satisfies util:isTetragraph($token) and $catt//catt:Tetragraph[catt:TetraToken =
$token]/@decomposable[. = 'Maybe']"/>
</xsl:function>
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:relToContainsMaybeTetra"
    as="xs:boolean">
    <xsl:param name="bannerRelTo" as="xs:string"/>
    <xsl:param name="remainingPartTags" as="node()*"/>
    <xsl:variable name="portion" select="$remainingPartTags[1]">
    <xsl:choose>
        <xsl:when test="count($remainingPartTags) = 0"><!-- base case, no more portions to look at, must not be any maybes -->
<xsl:value-of select="false()">
        </xsl:when>
        <xsl:when test="$bannerRelTo and util:containsMaybeTetra($bannerRelTo)">
            <xsl:value-of select="true()">
        </xsl:when>
        <xsl:when test="$portion/@ism:releasableTo and util:containsMaybeTetra($portion/@ism:releasableTo)">
            <xsl:value-of select="true()">
        </xsl:when>
        <xsl:otherwise>
            <xsl:value-of select="util:relToContainsMaybeTetraHelper($bannerRelTo, subsequence($remainingPartTags, 2))"/>
        </xsl:otherwise>
    </xsl:choose>
</xsl:function>
<!-- convenience function for iterating to the next portion and updating the common countries list -->

```

```

<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:relToContainsMaybeTetraHelper"
              as="xs:string*">
  <xsl:param name="bannerRelTo" as="xs:string"/>
  <xsl:param name="remainingPartTags" as="node()*" />
  <xsl:variable name="portion" select="$remainingPartTags[1]" />
  <xsl:choose>
    <xsl:when test="count($remainingPartTags) = 1"><!-- This is checking the last item in the list, give empty list to kill recursion -->
<xsl:value-of select="util:relToContainsMaybeTetra($bannerRelTo, ())" />
    </xsl:when>
    <xsl:otherwise><!-- remove the first portion in the list (the one just checked) -->
<xsl:value-of select="util:relToContainsMaybeTetra($bannerRelTo, subsequence($remainingPartTags, 2))" />
    </xsl:otherwise>
  </xsl:choose>
</xsl:function>
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:displayToContainsMaybeTetra"
              as="xs:boolean">
  <xsl:param name="bannerDisplayTo" as="xs:string"/>
  <xsl:param name="remainingPartTags" as="node()*" />
  <xsl:variable name="portion" select="$remainingPartTags[1]" />
  <xsl:choose>
    <xsl:when test="count($remainingPartTags) = 0"><!-- base case, no more portions to look at, must not be any maybes -->
<xsl:value-of select="false()" />
    </xsl:when>
    <xsl:when test="$bannerDisplayTo and util:containsMaybeTetra($bannerDisplayTo)">
      <xsl:value-of select="true()" />
    </xsl:when>
    <xsl:when test="$portion/@ism:displayOnlyTo and util:containsMaybeTetra($portion/@ism:displayOnlyTo)">
      <xsl:value-of select="true()" />
    </xsl:when>
    <xsl:otherwise>
      <xsl:value-of select="util:displayToContainsMaybeTetra($bannerDisplayTo, subsequence($remainingPartTags, 2))" />
    </xsl:otherwise>
  </xsl:choose>
</xsl:function>
<!-- convenience function for iterating to the next portion and updating the common countries list -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:displayToContainsMaybeTetraHelper"
              as="xs:string*">
  <xsl:param name="bannerDisplayTo" as="xs:string"/>
  <xsl:param name="remainingPartTags" as="node()*" />
  <xsl:variable name="portion" select="$remainingPartTags[1]" />
  <xsl:choose>
    <xsl:when test="count($remainingPartTags) = 1"><!-- Checking the last item in the list, give empty list to kill recursion -->
<xsl:value-of select="util:displayToContainsMaybeTetra($bannerDisplayTo, ())" />
    </xsl:when>
    <xsl:otherwise><!-- remove the first portion in the list (the one just checked) -->
<xsl:value-of select="util:displayToContainsMaybeTetra($bannerDisplayTo, subsequence($remainingPartTags, 2))" />
    </xsl:otherwise>
  </xsl:choose>
</xsl:function>
<!-- Accepts the banner and portion @ism:releasableTo, decomposes them and
Returns true if the banner contains a special tetragraph OR

```

```

        every token in the banner (except USA) is also in the portion; false otherwise -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:bannerIsSubset"
    as="xs:boolean">
    <xsl:param name="bannerRelTo" as="xs:string"/>
    <xsl:param name="portionRelTo" as="xs:string"/>
    <xsl:variable name="bannerRelToDecomposed"
        select="tokenize(normalize-space(util:decomposeTetragraphs($bannerRelTo)), ' ')" />
    <xsl:variable name="portionRelToDecomposed"
        select="tokenize(normalize-space(util:decomposeTetragraphs($portionRelTo)), ' ')" />
    <xsl:value-of select="util:containsSpecialTetra($bannerRelTo) or (every $bannerToken in $bannerRelToDecomposed satisfies (some $portionToken in $portionRelToDecomposed
satisfies if ($bannerToken = 'USA') then true() else $bannerToken = $portionToken))" />
    </xsl:function>
    <!--
        Accepts an element.
        Returns true if the element contains any Foreign Disclosure & Release (FD&R) markings; false otherwise.
    -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:containsFDR"
    as="xs:boolean">
    <xsl:param name="elementNode" as="node()" />
    <xsl:value-of select="$elementNode/@ism:releasableTo or $elementNode/@ism:displayOnlyTo or util:containsAnyOfTheTokens($elementNode/@ism:disseminationControls, ('NF',
'RELIDO')) or util:containsAnyOfTheTokens($elementNode/@ism:nonICmarkings, ('LES-NF', 'SBU-NF'))" />
    </xsl:function>
    <!-- Returns all of the tokens (except USA) in the first list that are also in the second list. -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:intersectionOfCountries"
    as="xs:string*">
    <xsl:param name="commonCountries" as="xs:string" />
    <xsl:param name="portionRelTo" as="xs:string" />
    <xsl:variable name="portionRelToDecomposed"
        select="tokenize(normalize-space(util:decomposeTetragraphs($portionRelTo)), ' ')" />
    <xsl:value-of select="for $token in tokenize(normalize-space($commonCountries), ' ') return if ($token = $portionRelToDecomposed and not($token = 'USA')) then $token
else ()" />
    </xsl:function>
    <!-- Recursively iterates over the contributing portions in a document and makes sure that the releasability markings
are consistent with the banner. Returns the list of common countries if no portion fails constraint checking -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:recursivelyCheckRelTo"
    as="xs:string*">
    <xsl:param name="bannerRelTo" as="xs:string" />
    <xsl:param name="commonCountries" as="xs:string" />
    <xsl:param name="remainingPartTags" as="node()*" />
    <xsl:variable name="portion" select="$remainingPartTags[1]" />
    <xsl:choose>
        <xsl:when test="count(tokenize($commonCountries, ' ')) = 0"><!-- base case, if commonCountries is the empty set, then there
is no common country to release to and the document is NF -->
        <xsl:value-of select="()" />
        </xsl:when>
        <xsl:when test="count($remainingPartTags) = 0"><!-- base case, no more portions to look at, return commonCountries -->
        <xsl:value-of select="$commonCountries" />
        </xsl:when>
        <xsl:when test="not(util:containsFDR($portion)) and $portion/@ism:classification = 'U'"><!-- normal unclass portion without FRD markings does not impact
releasability, iterate over this portion -->

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        <xsl:value-of select="util:recursivelyCheckRelTo($bannerRelTo, $commonCountries, subsequence($remainingPartTags, 2))"/>
        </xsl:when>
        <xsl:when test="not($portion/@ism:releasableTo)"><!-- this portion contributes and is not releasable, so it means there are no common countries -->
<xsl:value-of select="()" />
        </xsl:when>
        <xsl:when test="util:containsSpecialTetra($portion/@ism:releasableTo)"><!-- this portion has special tetras. This function cannot handle special tetras, so iterate
over this portion -->
        <xsl:value-of select="util:recursivelyCheckRelTo($bannerRelTo, $commonCountries, subsequence($remainingPartTags, 2))"/>
        </xsl:when>
        <xsl:otherwise><!-- this portion has no special tetras, check it -->

<xsl:choose>
        <xsl:when test="util:bannerIsSubset($bannerRelTo, $portion/@ism:releasableTo)"><!-- banner releasableTo is correctly a subset of this portion releasableTo,
iterate to next portion -->
        <xsl:value-of select="util:recursivelyCheckRelToRecurseHelper($bannerRelTo, $commonCountries, $remainingPartTags)"/>
        </xsl:when>
        <xsl:otherwise><!-- banner says releasableTo a country that this portion is not releasableTo, so it is wrong -->
        <xsl:value-of select="('BANNER_NOT_A_SUBSET_OF_A_PORTION')"/>
        </xsl:otherwise>
        </xsl:choose>
        </xsl:otherwise>
        </xsl:choose>
</xsl:function>
<!-- convenience function for iterating to the next portion and updating the common countries list -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
        name="util:recursivelyCheckRelToRecurseHelper"
        as="xs:string">
        <xsl:param name="bannerRelTo" as="xs:string"/>
        <xsl:param name="commonCountries" as="xs:string"/>
        <xsl:param name="remainingPartTags" as="node()*"/>
        <xsl:variable name="portion" select="$remainingPartTags[1]"/>
        <xsl:choose>
        <xsl:when test="count($remainingPartTags) = 1"><!-- Checking the last item in the list, give empty list to kill recursion -->
<xsl:value-of select="util:recursivelyCheckRelTo($bannerRelTo, util:intersectionOfCountries($commonCountries, $portion/@ism:releasableTo), ())"/>
        </xsl:when>
        <xsl:otherwise><!-- remove the first portion in the list (the one just checked) -->
<xsl:value-of select="util:recursivelyCheckRelTo($bannerRelTo, util:intersectionOfCountries($commonCountries, $portion/@ism:releasableTo), subsequence($remainingPartTags, 2))"/>
        </xsl:otherwise>
        </xsl:choose>
</xsl:function>
<!--
Returns true if the element is uncaveated and has no Foreign Disclosure or Release markings.
-->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
        name="util:isUncaveatedAndNoFDR"
        as="xs:boolean">
        <xsl:param name="element"/>
        <xsl:value-of select="not($element/@ism:disseminationControls) and not($element/@ism:SCIcontrols) and not($element/@ism:nonICmarkings) and not($element/
@ism:atomicEnergyMarkings) and not($element/@ism:FGISourceOpen) and not($element/@ism:FGISourceProtected) and not($element/@ism:nonUSControls) and not($element/@ism:SARIdentifier)"/>
        </xsl:function>
<!-- The function that should be called from schematron rules.
This function iterates through the portions until it gets to a portion
that has @ism:releasableTo and does not contain a special tetra in @ism:releasableTo.
It uses the countries in @ism:releasableTo from that portion as the initial common
countries list for the recursive function.

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-->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:checkRelToPortionsAgainstBannerAndGetCommonCountries"
              as="xs:string">
  <xsl:param name="bannerRelTo" as="xs:string"/>
  <xsl:param name="remainingPartTags" as="node()"/>
  <xsl:variable name="portion" select="$remainingPartTags[1]"/>
  <xsl:choose>
    <xsl:when test="count($remainingPartTags) = 0"><!-- no portions provided, so choose either: had no portions to begin with OR no portion had a special tetra -->
      <xsl:value-of select="('PASS')"/>
    </xsl:when>
    <xsl:when test="util:containsFDR($portion) and not($portion/@ism:releasableTo)"><!-- this portion contributes, contains FD&R markings, and is not releasable so the
commonCountry set is empty -->
      <xsl:value-of select="()"/>
    </xsl:when>
    <xsl:when test="$portion/@ism:releasableTo and not(util:containsSpecialTetra($portion/@ism:releasableTo))"><!-- first portion with releasableTo that does not have a
special tetra; use it to seed common country list -->
      <xsl:value-of select="util:recursivelyCheckRelTo($bannerRelTo, util:decomposeTetragraphs($portion/@ism:releasableTo), $remainingPartTags)"/>
    </xsl:when>
    <xsl:otherwise><!-- remove the first portion in the list (the one just checked) -->
      <xsl:value-of select="util:checkRelToPortionsAgainstBannerAndGetCommonCountries($bannerRelTo, subsequence($remainingPartTags, 2))"/>
    </xsl:otherwise>
  </xsl:choose>
</xsl:function>
<!-- DISPLAY ONLY TO RULES --><!-- Returns the @ism:releasableTo and @ism:displayOnlyTo strings concatenated together -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:getDisplayToCountries">
  <xsl:param name="portion" as="node()"/>
  <xsl:value-of select="normalize-space(concat(normalize-space(string($portion/@ism:releasableTo)), ' ', normalize-space(string($portion/@ism:displayOnlyTo))))"/>
</xsl:function>
<!-- Returns true if this element specifies attribute @ism:releasableTo or @ism:displayOnlyTo -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:isDisplayable"
              as="xs:boolean">
  <xsl:param name="portion" as="node()"/>
  <xsl:value-of select="$portion/@ism:releasableTo or $portion/@ism:displayOnlyTo"/>
</xsl:function>
<!-- Recursively iterates over the contributing portions in a document and makes sure that the displayability markings
are consistent with the banner. Returns the list of common countries if no portion fails constraint checking -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:recursivelyCheckDisplayTo"
              as="xs:string">
  <xsl:param name="bannerRelToAndDisplayTo" as="xs:string"/>
  <xsl:param name="commonCountries" as="xs:string"/>
  <xsl:param name="remainingPartTags" as="node()"/>
  <xsl:variable name="portion" select="$remainingPartTags[1]"/>
  <xsl:choose>
    <xsl:when test="count(tokenize($commonCountries, ' ')) = 0"><!-- base case, if commonCountries is the empty set, then there
is no common country to display to -->
      <xsl:value-of select="()"/>
    </xsl:when>
    <xsl:when test="count($remainingPartTags) = 0"><!-- base case, no more portions to look at, return commonCountries -->
      <xsl:value-of select="$commonCountries"/>
    </xsl:when>
  </xsl:choose>

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        <xsl:when test="not(util:containsFDR($portion)) and $portion/@ism:classification = 'U'"><!-- normal unclass portion without FRD markings does not impact
displayability, iterate over this portion -->
        <xsl:value-of select="util:recursivelyCheckDisplayTo($bannerRelToAndDisplayTo, $commonCountries, subsequence($remainingPartTags, 2))"/>
        </xsl:when>
        <xsl:when test="not($portion/@ism:releasableTo) and not($portion/@ism:displayOnlyTo)"><!-- this portion contributes and is not displayable, so it means there are no
common countries -->
        <xsl:value-of select="()" />
        </xsl:when>
        <xsl:when test="util:containsSpecialTetra(util:getDisplayToCountries($portion))"><!-- this portion has special tetras. This function cannot handle special tetras, so
iterate over this portion -->
        <xsl:value-of select="util:recursivelyCheckDisplayTo($bannerRelToAndDisplayTo, $commonCountries, subsequence($remainingPartTags, 2))"/>
        </xsl:when>
        <xsl:otherwise><!-- this portion has no special tetras, check it -->

        <xsl:choose>
            <xsl:when test="util:bannerIsSubset($bannerRelToAndDisplayTo, util:getDisplayToCountries($portion))"><!-- banner displayTo list is correctly a subset of this
portion displayTo list, iterate to next portion -->
            <xsl:value-of select="util:recursivelyCheckDisplayToRecurseHelper($bannerRelToAndDisplayTo, $commonCountries, $remainingPartTags)" />
            </xsl:when>
            <xsl:otherwise><!-- banner says displayTo a country that this portion is not displayable to, so it is wrong -->
            <xsl:value-of select="('BANNER_NOT_A_SUBSET_OF_A_PORTION')"/>
            </xsl:otherwise>
        </xsl:choose>
        </xsl:otherwise>
    </xsl:choose>
</xsl:function>
<!-- convenience function for iterating to the next portion and updating the common countries list -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:recursivelyCheckDisplayToRecurseHelper"
    as="xs:string*">
    <xsl:param name="bannerRelToAndDisplayTo" as="xs:string"/>
    <xsl:param name="commonCountries" as="xs:string"/>
    <xsl:param name="remainingPartTags" as="node()*"/>
    <xsl:variable name="portion" select="$remainingPartTags[1]"/>
    <xsl:choose>
        <xsl:when test="count($remainingPartTags) = 1"><!-- Checking the last item in the list, give empty list to kill recursion -->
        <xsl:value-of select="util:recursivelyCheckDisplayTo($bannerRelToAndDisplayTo, util:intersectionOfCountries($commonCountries, util:getDisplayToCountries($portion)), ())"/>
        </xsl:when>
        <xsl:otherwise><!-- remove the first portion in the list (the one just checked) -->
        <xsl:value-of select="util:recursivelyCheckDisplayTo($bannerRelToAndDisplayTo, util:intersectionOfCountries($commonCountries, util:getDisplayToCountries($portion)),
subsequence($remainingPartTags, 2))"/>
        </xsl:otherwise>
    </xsl:choose>
</xsl:function>
<!-- The function that should be called from schematron rules.
This function iterates through the portions until it gets to a portion
that has @ism:releasableTo and does not contain a special tetra in @ism:releasableTo.
It uses the countries in @ism:releasableTo from that portion as the initial common
countries list for the recursive function.
-->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:checkDisplayToPortionsAgainstBannerAndGetCommonCountries"
    as="xs:string*">
    <xsl:param name="bannerRelToAndDisplayTo" as="xs:string"/>
    <xsl:param name="remainingPartTags" as="node()*"/>

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        <xsl:variable name="portion" select="$remainingPartTags[1]"/>
        <xsl:choose>
            <xsl:when test="count($remainingPartTags) = 0"><!-- no portions provided, so choose either: had no portions to begin with OR no portion had a special tetra -->
<xsl:value-of select="('PASS')"/>
            </xsl:when>
            <xsl:when test="util:containsFDR($portion) and not(util:isDisplayable($portion))"><!-- this portion contributes, contains FD&R markings, and is not displayable so
the commonCountry set is empty -->
        <xsl:value-of select="()"/>
            </xsl:when>
            <xsl:when test="util:isDisplayable($portion) and not(util:containsSpecialTetra(util:getDisplayToCountries($portion)))"><!-- first portion with releasableTo or
displayOnlyTo that does not have a special tetra; use it to seed common country list -->
        <xsl:value-of select="util:recursivelyCheckDisplayTo($bannerRelToAndDisplayTo, util:decomposeTetragraphs(util:getDisplayToCountries($portion)), $remainingPartTags)"/>
            </xsl:when>
            <xsl:otherwise><!-- remove the first portion in the list (the one just checked) and iterate -->
<xsl:value-of select="util:checkDisplayToPortionsAgainstBannerAndGetCommonCountries($bannerRelToAndDisplayTo, subsequence($remainingPartTags, 2))"/>
            </xsl:otherwise>
        </xsl:choose>
    </xsl:function>
    <xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
        name="util:getTetragraphMembership">
        <xsl:param name="tetra"/>
        <xsl:value-of select="if ($catt//catt:Tetragraph[@decomposable = 'Yes']) then tokenize(string-join((for $country in $catt//catt:Tetragraph[catt:TetraToken = $tetra]/
catt:Membership/*/text() return $country), ' '), ' ') else $tetra"/>
    </xsl:function>
    <xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
        name="util:getTetragraphReleasability">
        <xsl:param name="tetra"/>
        <xsl:value-of select="distinct-values(for $token in tokenize($catt//catt:Tetragraph[catt:TetraToken = $tetra]/@ism:releasableTo, ' ') return if (index-of($catt//
catt:TetraToken, $token) > 0) then util:getTetragraphMembership($token) else $token)"/>
    </xsl:function>
    <!--*****--><!-- (U) ISM ID Rules --><!--*****--><!--(U) USDOD-->
<sch:include href="./Rules/USDOD/ISM_ID_00155.sch"/>
    <sch:include href="./Rules/USDOD/ISM_ID_00157.sch"/>
    <sch:include href="./Rules/USDOD/ISM_ID_00158.sch"/>
    <sch:include href="./Rules/USDOD/ISM_ID_00161.sch"/>
    <sch:include href="./Rules/USDOD/ISM_ID_00162.sch"/>
    <sch:include href="./Rules/USDOD/ISM_ID_00227.sch"/>
    <sch:include href="./Rules/USDOD/ISM_ID_00237.sch"/>
    <sch:include href="./Rules/USDOD/ISM_ID_00238.sch"/>
    <sch:include href="./Rules/USDOD/ISM_ID_00239.sch"/>
    <sch:include href="./Rules/USDOD/ISM_ID_00240.sch"/>
    <!--(U) USGov-->
<sch:include href="./Rules/USGov/ISM_ID_00014.sch"/>
    <sch:include href="./Rules/USGov/ISM_ID_00016.sch"/>
    <sch:include href="./Rules/USGov/ISM_ID_00017.sch"/>
    <sch:include href="./Rules/USGov/ISM_ID_00026.sch"/>
    <sch:include href="./Rules/USGov/ISM_ID_00028.sch"/>
    <sch:include href="./Rules/USGov/ISM_ID_00030.sch"/>
    <sch:include href="./Rules/USGov/ISM_ID_00031.sch"/>
    <sch:include href="./Rules/USGov/ISM_ID_00032.sch"/>
    <sch:include href="./Rules/USGov/ISM_ID_00033.sch"/>
    <sch:include href="./Rules/USGov/ISM_ID_00035.sch"/>
    <sch:include href="./Rules/USGov/ISM_ID_00037.sch"/>
    <sch:include href="./Rules/USGov/ISM_ID_00038.sch"/>

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<sch:include href="./Rules/USGov/ISM_ID_00040.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00041.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00042.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00043.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00044.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00045.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00047.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00048.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00049.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00056.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00058.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00059.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00064.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00065.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00066.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00067.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00068.sch"/>
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<sch:include href="./Rules/USGov/ISM_ID_00075.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00077.sch"/>
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Chapter 5 - Removed Rules

All of the numbered Rules for ISM that have been removed are listed in this section. This section is just a reference for what rule numbers have been dropped. In many but not all cases there will be a reason listed. In all cases the version that the rule was dropped in is listed.

5.1 - `./Rules/deleted/ISM_ID_00001.sch`

Rule Description

[ISM-ID-00001][Error] Rule removed in V8. Covered by rule 2.

5.2 - `./Rules/deleted/ISM_ID_00003.sch`

Rule Description

[ISM-ID-00003][Error] Rule removed in V5.

5.3 - `./Rules/deleted/ISM_ID_00004.sch`

Rule Description

[ISM-ID-00004][Error] Rule removed in V5.

5.4 - `./Rules/deleted/ISM_ID_00005.sch`

Rule Description

[ISM-ID-00005][Error] Rule removed in V2. Replaced by ISM_ID_00024.

5.5 - `./Rules/deleted/ISM_ID_00006.sch`

Rule Description

[ISM-ID-00006][Error] Rule removed in V2. Replaced by ISM_ID_00025.

5.6 - `./Rules/deleted/ISM_ID_00007.sch`

Rule Description

[ISM-ID-00007][Error] Rule removed in V5.

5.7 - `./Rules/deleted/ISM_ID_00008.sch`

Rule Description

[ISM-ID-00008][Error] Rule removed in V2. Replaced by ISM_ID_00039.

5.8 - **./Rules/deleted/ISM_ID_00009.sch**

Rule Description

[ISM-ID-00009][Error] Rule removed in V5.

5.9 - **./Rules/deleted/ISM_ID_00010.sch**

Rule Description

[ISM-ID-00010][Error] Rule removed in V5.

5.10 - **./Rules/deleted/ISM_ID_00011.sch**

Rule Description

[ISM-ID-00011][Error] Rule removed in V5.

5.11 - **./Rules/deleted/ISM_ID_00013.sch**

Rule Description

[ISM-ID-00013][Error] Rule removed in 2016-SEP.

5.12 - **./Rules/deleted/ISM_ID_00015.sch**

Rule Description

[ISM-ID-00015][Error] Rule removed in V8. Values moved to rule 16.

5.13 - **./Rules/deleted/ISM_ID_00018.sch**

Rule Description

[ISM-ID-00018][Error] Rule removed in V5.

5.14 - **./Rules/deleted/ISM_ID_00019.sch**

Rule Description

[ISM-ID-00019][Error] Rule removed in V5.

5.15 - **./Rules/deleted/ISM_ID_00020.sch**

Rule Description

[ISM-ID-00020][Error] Rule removed in V5.

5.16 - **./Rules/deleted/ISM_ID_00021.sch**

Rule Description

[ISM-ID-00021][Error] Rule removed in V5.

5.17 - **./Rules/deleted/ISM_ID_00022.sch**

Rule Description

[ISM-ID-00022][Error] Rule removed in V3.

5.18 - **./Rules/deleted/ISM_ID_00023.sch**

Rule Description

[ISM-ID-00023][Error] Rule removed in V4.

5.19 - **./Rules/deleted/ISM_ID_00024.sch**

Rule Description

[ISM-ID-00024][Error] Rule removed in V5.

5.20 - **./Rules/deleted/ISM_ID_00025.sch**

Rule Description

[ISM-ID-00025][Error] Rule removed in V5.

5.21 - **./Rules/deleted/ISM_ID_00027.sch**

Rule Description

[ISM-ID-00027][Error] Rule removed in V5.

5.22 - **./Rules/deleted/ISM_ID_00029.sch**

Rule Description

[ISM-ID-00029][Error] Rule removed in V5.

5.23 - **./Rules/deleted/ISM_ID_00034.sch**

Rule Description

[ISM-ID-00034][Error] Rule removed in V8. Covered by rule 169.

5.24 - **./Rules/deleted/ISM_ID_00036.sch**

Rule Description

[ISM-ID-00036][Error] Rule removed in V8.

5.25 - **./Rules/deleted/ISM_ID_00039.sch**

Rule Description

[ISM-ID-00039][Error] Rule removed in V5.

5.26 - **./Rules/deleted/ISM_ID_00046.sch**

Rule Description

[ISM-ID-00046][Error] Rule removed in V8.

5.27 - **./Rules/deleted/ISM_ID_00050.sch**

Rule Description

[ISM-ID-00050][Error] Rule removed in V2.

5.28 - **./Rules/deleted/ISM_ID_00051.sch**

Rule Description

[ISM-ID-00051][Error] Rule removed in V2.

5.29 - **./Rules/deleted/ISM_ID_00052.sch**

Rule Description

[ISM-ID-00052][Error] Rule removed in V2.

5.30 - **./Rules/deleted/ISM_ID_00053.sch**

Rule Description

[ISM-ID-00053][Error] Rule removed in V2.

5.31 - **./Rules/deleted/ISM_ID_00054.sch**

Rule Description

[ISM-ID-00054][Error] Rule removed in V2.

5.32 - **./Rules/deleted/ISM_ID_00055.sch**

Rule Description

[ISM-ID-00055][Error] Rule removed in V2.

5.33 - **./Rules/deleted/ISM_ID_00057.sch**

Rule Description

[ISM-ID-00057][Error] Rule removed in V8. Values moved to rule 56.

5.34 - **./Rules/deleted/ISM_ID_00060.sch**

Rule Description

[ISM-ID-00060][Error] Rule removed in V2014-DEC. Replaced by ISM-ID-00343.

5.35 - **./Rules/deleted/ISM_ID_00061.sch**

Rule Description

[ISM-ID-00061][Error] Rule removed in V2014-DEC. Replaced by ISM-ID-00343.

5.36 - **./Rules/deleted/ISM_ID_00062.sch**

Rule Description

[ISM-ID-00062][Error] Rule removed in V2014-DEC. Replaced by ISM-ID-00343.

5.37 - **./Rules/deleted/ISM_ID_00063.sch**

Rule Description

[ISM-ID-00063][Error] Rule removed in V2014-DEC. Replaced by ISM-ID-00343.

5.38 - **./Rules/deleted/ISM_ID_00069.sch**

Rule Description

[ISM-ID-00069][Error] Rule removed in V5.

5.39 - **./Rules/deleted/ISM_ID_00076.sch**

Rule Description

[ISM-ID-00076][Error] Rule removed in V3.

5.40 - **./Rules/deleted/ISM_ID_00082.sch**

Rule Description

[ISM-ID-00082][Error] Rule removed in V8

5.41 - **./Rules/deleted/ISM_ID_00083.sch**

Rule Description

[ISM-ID-00083][Error] Rule removed in V8

5.42 - **./Rules/deleted/ISM_ID_00089.sch**

Rule Description

[ISM-ID-00089][Error] Rule removed in V4.

5.43 - **./Rules/deleted/ISM_ID_00091.sch**

Rule Description

[ISM-ID-00091][Error] Rule removed in V5.

5.44 - **./Rules/deleted/ISM_ID_00092.sch**

Rule Description

[ISM-ID-00092][Error] Rule removed in V5.

5.45 - **./Rules/deleted/ISM_ID_00093.sch**

Rule Description

[ISM-ID-00093][Error] Rule removed in V5.

5.46 - **./Rules/deleted/ISM_ID_00094.sch**

Rule Description

[ISM-ID-00094][Error] Rule removed in V8.

5.47 - **./Rules/deleted/ISM_ID_00098.sch**

Rule Description

[ISM-ID-00098][] This rule number was skipped and never used. removed

5.48 - **./Rules/deleted/ISM_ID_00101.sch**

Rule Description

[ISM-ID-00101][Error] Introduced and removed in V2. Never made it to signed package.

5.49 - **./Rules/deleted/ISM_ID_00106.sch**

Rule Description

[ISM-ID-00106][Error] Rule removed in V5.

5.50 - **./Rules/deleted/ISM_ID_00111.sch**

Rule Description

[ISM-ID-00111][Error] Removed in v2014-DEC. Replaced by ISM-ID-00344.

5.51 - **./Rules/deleted/ISM_ID_00112.sch**

Rule Description

[ISM-ID-00112][Error] Removed in v2014-DEC. Replaced by ISM-ID-00344.

5.52 - **./Rules/deleted/ISM_ID_00113.sch**

Rule Description

[ISM-ID-00113][Error] Removed in v2014-DEC. Replaced by ISM-ID-00344.

5.53 - **./Rules/deleted/ISM_ID_00114.sch**

Rule Description

[ISM-ID-00114][Error] Rule removed in V5.

5.54 - **./Rules/deleted/ISM_ID_00115.sch**

Rule Description

[ISM-ID-00115][Error] Rule removed in V5.

5.55 - **./Rules/deleted/ISM_ID_00116.sch**

Rule Description

[ISM-ID-00116][Error] Removed in v2014-DEC. Replaced by ISM-ID-00344.

5.56 - **./Rules/deleted/ISM_ID_00117.sch**

Rule Description

[ISM-ID-00117][Warning] Rule removed in V5.

5.57 - **./Rules/deleted/ISM_ID_00120.sch**

Rule Description

[ISM-ID-00120][Error] Rule removed in V4.

5.58 - **./Rules/deleted/ISM_ID_00122.sch**

Rule Description

[ISM-ID-00122][Error] Rule removed in V2016-SEP.

5.59 - **./Rules/deleted/ISM_ID_00123.sch**

Rule Description

[ISM-ID-00123][Error] Rule removed in V2016-SEP.

5.60 - **./Rules/deleted/ISM_ID_00126.sch**

Rule Description

[ISM-ID-00126][Error] Removed in V11.

5.61 - **./Rules/deleted/ISM_ID_00131.sch**

Rule Description

[ISM-ID-00131][Error] Rule removed in V5.

5.62 - **./Rules/deleted/ISM_ID_00140.sch**

Rule Description

[ISM-ID-00140][Error] Rule removed in V8.

5.63 - **./Rules/deleted/ISM_ID_00144.sch**

Rule Description

[ISM-ID-00144][Error] Rule removed in V4.

5.64 - **./Rules/deleted/ISM_ID_00156.sch**

Rule Description

[ISM-ID-00156][Error] Rule removed in V8. Replaced by rules 237 and 238.

5.65 - **./Rules/deleted/ISM_ID_00160.sch**

Rule Description

[ISM-ID-00160][Error] Rule removed in V8. Replaced by rules 239 and 240.

5.66 - **./Rules/deleted/ISM_ID_00171.sch**

Rule Description

[ISM-ID-00171][Warning] Rule removed in V10 because it did not correctly treat portions with @ism:releasableTo as also contributing to displayability. Rule 320 was introduced in V10 to enforce rollup of displayability on the banner.

5.67 - **./Rules/deleted/ISM_ID_00172.sch**

Rule Description

[ISM-ID-00172][Error] Rule removed in V6.

5.68 - **./Rules/deleted/ISM_ID_00177.sch**

Rule Description

[ISM-ID-00177][Error] Rule removed in V8.

5.69 - **./Rules/deleted/ISM_ID_00182.sch**

Rule Description

[ISM-ID-00182][Error] Rule removed in V8. Values moved to rule 181.

5.70 - **./Rules/deleted/ISM_ID_00212.sch**

Rule Description

[ISM-ID-00212][Error] Rule removed in V6.

5.71 - **./Rules/deleted/ISM_ID_00215.sch**

Rule Description

[ISM-ID-00215][Error] Rule removed in V8.

5.72 - **./Rules/deleted/ISM_ID_00216.sch**

Rule Description

[ISM-ID-00216][] Introduced and removed in V6. Never made it to signed package.

5.73 - **./Rules/deleted/ISM_ID_00218.sch**

Rule Description

[ISM-ID-00218][] Introduced and removed in V6. Never made it to signed package.

5.74 - **./Rules/deleted/ISM_ID_00220.sch**

Rule Description

[ISM-ID-00220][Error] Rule removed in V7.

5.75 - **./Rules/deleted/ISM_ID_00222.sch**

Rule Description

[ISM-ID-00222][Error] Removed in V13.

5.76 - **./Rules/deleted/ISM_ID_00224.sch**

Rule Description

[ISM-ID-00224][Error] Removed in V10.

5.77 - **./Rules/deleted/ISM_ID_00232.sch**

Rule Description

[ISM-ID-00232][] Introduced and removed in V8. Never made it to signed package.

5.78 - **./Rules/deleted/ISM_ID_00233.sch**

Rule Description

[ISM-ID-00233][Error] Removed in V2014-DEC.

5.79 - **./Rules/deleted/ISM_ID_00234.sch**

Rule Description

[ISM-ID-00234][Error] Removed in V2014-DEC.

5.80 - **./Rules/deleted/ISM_ID_00235.sch**

Rule Description

[ISM-ID-00235][] Introduced and removed in V8. Never made it to signed package.

5.81 - **./Rules/deleted/ISM_ID_00247.sch**

Rule Description

[ISM-ID-00247][Error] Removed in V10.

5.82 - **./Rules/deleted/ISM_ID_00249.sch**

Rule Description

[ISM-ID-00249][Error] Introduced and removed in V9. Never made it to signed package.

5.83 - **./Rules/deleted/ISM_ID_00301.sch**

Rule Description

[ISM-ID-00301][Error] Removed in version 2017-MAY.

5.84 - **./Rules/deleted/ISM_ID_00312.sch**

Rule Description

[ISM-ID-00312][Error] Added and removed in V10. Removed during final review, never made it to released package.

5.85 - **./Rules/deleted/ISM_ID_00334.sch**

Rule Description

[ISM-ID-00334][Error] Rule removed in 2016-SEP.

5.86 - **./Rules/deleted/ISM_ID_00342.sch**

Rule Description

[ISM-ID-00342][Error] Rule added then removed in 2014-DEC.