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# **Guide to Schematron Rules and Patterns**

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## **ISM Schematron Guide**

### **Version 9**

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## Chapter 1 - Introduction

### 1.1 - Purpose

(U) The following documentation is informative. The actual Schematron files are the normative record. This documentation is generated from the Schematron files via XSLT it may be missing some file or pieces of a file but whatever is here other than titles came from the original file.

(U) It is envisioned that this will be a useful resource to search and read but for questions and debates the source files should be consulted.

(U) 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 strongly influence a rule but is not actually a numbered rule.

## Chapter 2 - Rules

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

## 2.1 - ../Rules/generalConstraints/ISM\_ID\_00002.sch

Rule Description: ISM-ID-00002 [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, we make sure 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00002">

    <sch:rule context="*[@ism:*)>
        <sch:assert test="every $attribute in @ism:*
satisfies          normalize-space(string($attribute))"
                    flag="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/generalConstraints/ISM\_ID\_00012.sch

Rule Description: ISM-ID-00012 [ISM-ID-00012][Error] If any of the attributes defined in this DES other than DESVersion, 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:pocTyp, ism:DESVersion, or ism:unregisteredNoticeType we make sure 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 context="*[@ism:* except (@ism:pocType |
@ism:DESVersion | @ism:unregisteredNoticeType)]">
        <sch:assert test="@ism:ownerProducer and
@ism:classification" flag="error">
            [ISM-ID-00012][Error] If any of the attributes defined in
            this DES other than 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/resourceElement/ISM\_ID\_00013.sch

Rule Description: ISM-ID-00013 [ISM-ID-00013][Error] If ISM\_NSI\_EO\_APPLIES then either attribute classifiedBy or derivedFrom must be specified on the ISM\_RESOURCE\_ELEMENT.  
Human Readable: Documents under E.O. 13526 must have classification authority block information.

Code Description: If ISM\_NSI\_EO\_APPLIES, we make sure that the ISM\_RESOURCE\_ELEMENT specifies attribute ism:classifiedBy or attribute ism:derivedFrom.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00013">

    <sch:rule
context="*[$ISM_NSI_EO_APPLIES                                and generate-id(.) =
generate-id($ISM_RESOURCE_ELEMENT)]">
    <sch:assert test="@ism:classifiedBy or @ism:derivedFrom"
flag="error">
    [ISM-ID-00013][Error] Documents under E.O. 13526 must have
classification authority block information.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.4 - ../Rules/resourceElement/ISM\_ID\_00014.sch

Rule Description: ISM-ID-00014 [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, we make sure that the ISM\_RESOURCE\_ELEMENT specifies one of the following attributes: ism:declassDate, ism:declassEvent, ism:declassException.

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-00014">

    <sch:rule
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">
        [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>
```

## 2.5 - ../Rules/classification/ISM\_ID\_00016.sch

Rule Description: ISM-ID-00016 [ISM-ID-00016][Error] If ISM\_CAPCO\_RESOURCE and attribute classification has a value of [U], then attributes classificationReason, classifiedBy, derivativelyClassifiedBy, declassDate, declassEvent, declassException, derivedFrom, SARIdentifier, atomicEnergyMarkings or SCIconcontrols must not be specified.

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which has attribute ism:classification specified with a value of [U] we make sure that NONE of the following attributes are specified: ism:classifiedBy, ism:declassDate, ism:declassEvent, ism:declassException, ism:derivativelyClassifiedBy, ism:derivedFrom, ism:SARIdentifier, ism:atomicEnergyMarkings, or ism:SCIconcontrols.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00016">

      <sch:rule context="*[$ISM_CAPCO_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:SCIconcontrols                  )"
      flag="error">
      [ISM-ID-00016][Error] If ISM_CAPCO_RESOURCE and attribute
classification has a value of [U], then attributes
classificationReason,
classifiedBy, derivativelyClassifiedBy, declassDate, declassEvent,
declassException, derivedFrom, SARIdentifier, atomicEnergyMarkings,
or
SCIconcontrols must not be specified.
</sch:assert>
      </sch:rule>
</sch:pattern>
```

## 2.6 - ./Rules/classifiedBy/ISM\_ID\_00017.sch

Rule Description: ISM-ID-00017 [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 we make sure that attribute ism:classificationReason is specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00017">

    <sch:rule context="*[$ISM_NSI_EO_APPLIES and
@ism:classifiedBy]">
        <sch:assert test="@ism:classificationReason"
flag="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>
```



## 2.7 - ./Rules/disseminationControls/ISM\_ID\_00026.sch

Rule Description: ISM-ID-00026 [ISM-ID-00026][Error] If ISM\_CAPCO\_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:
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    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_CAPCO_RESOURCE and attribute disseminationControls is specified, then
each of its values must be ordered in accordance with
CVEnumISMDissem.xml. ' "/>
    </sch:pattern>
```

## 2.8 - ../Rules/disseminationControls/ISM\_ID\_00028.sch

Rule Description: ISM-ID-00028 [ISM-ID-00028][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [OC] or [EYES] we make sure that attribute ism:classification is specified with a value of [C], [S], or [TS].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00028">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC', 'EYES'))]">
    <sch:assert test="@ism:classification=('TS', 'S', 'C')
flag="error">
    [ISM-ID-00028][Error] If ISM_CAPCO_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>
```

## 2.9 - ../Rules/disseminationControls/ISM\_ID\_00030.sch

Rule Description: ISM-ID-00030 [ISM-ID-00030][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [FOUO] we make sure 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
context="*[$ISM_CAPCO_RESOURCE                                and
util:containsAnyOfTheTokens(@ism:disseminationControls, ('FOUO'))]">
    <sch:assert test="@ism:classification='U' " flag="error">
        [ISM-ID-00030][Error] If ISM_CAPCO_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>
```

## 2.10 - ./Rules/disseminationControls/ISM\_ID\_00031.sch

Rule Description: ISM-ID-00031 [ISM-ID-00031][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [REL] or [EYES] we make sure that attribute ism:releasableTo 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-00031">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
util:containsAnyOfTheTokens(@ism:disseminationControls, ('REL', 'EYES'))]">
    <sch:assert test="@ism:releasableTo" flag="error">
        [ISM-ID-00031][Error] If ISM_CAPCO_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>
```

## 2.11 - ./Rules/releasableTo/ISM\_ID\_00032.sch

Rule Description: ISM-ID-00032 [ISM-ID-00032][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which does not specify attribute disseminationControls or specifies attribute ism:disseminationControls with a value containing the token [REL] or [EYES] we make sure that attribute ism:releasableTo is not specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00032">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
not(util:containsAnyOfTheTokens(@ism:disseminationControls, ('REL',
'EYES')))]">
        <sch:assert test="not(@ism:releasableTo)" flag="error">
[ISM-ID-00032][Error] If ISM_CAPCO_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>
```

## 2.12 - ./Rules/disseminationControls/ISM\_ID\_00033.sch

Rule Description: ISM-ID-00033 [ISM-ID-00033][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [REL], [EYES] or [NF], we make sure 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_CAPCO_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_CAPCO_RESOURCE, then tokens [REL], [EYES]    and [NF] are mutually
exclusive for attribute disseminationControls.    '/>
    </sch:pattern>
```

## 2.13 - ./Rules/nonICmarkings/ISM\_ID\_00035.sch

Rule Description: ISM-ID-00035 [ISM-ID-00035][Error] If ISM\_CAPCO\_RESOURCE and attribute nonICmarkings is specified, then each of its values must be ordered in accordance with CVEnumISMNonIC.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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00035" is-a="ValuesOrderedAccordingToCve">

    <sch:param name="attrLocalName" value="nonICmarkings"/>
    <sch:param name="attrValueTokens"
        value="tokenize(normalize-
space(string(@ism:nonICmarkings)), ' ')" />
    <sch:param name="cveTermList" value="$nonICmarkingsList" />
    <sch:param name="errorMessage"
        value=" ' [ISM-ID-00035][Error] If
ISM_CAPCO_RESOURCE and attribute nonICmarkings is specified, then each
of its values must be ordered in accordance with CVEnumISMNonIC.xml. ' " />
</sch:pattern>
```

## 2.14 - ./Rules/nonICmarkings/ISM\_ID\_00037.sch

Rule Description: ISM-ID-00037 [ISM-ID-00037][Error] If ISM\_CAPCO\_RESOURCE and attribute nonICmarkings contains the name token [SBU], [SBU-NF] then attribute classification must have a value of [U]. Human Readable: SBU, SBU-NF data must be marked UNCLASSIFIED in USA documents.

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which has attribute ism:nonICmarkings specified with a value containing the token [SBU], [SBU-NF] we make sure 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-00037">

    <sch:rule context="*[$ISM_CAPCO_RESOURCE
and util:containsAnyOfTheTokens(@ism:nonICmarkings, ('SBU', 'SBU-NF'))]">
    <sch:assert test="@ism:classification='U'" flag="error">
    [ISM-ID-00037][Error] If ISM_CAPCO_RESOURCE and attribute
nonICmarkings
    contains the name token [SBU], [SBU-NF] then attribute
    classification must have a value of [U].

    Human Readable: SBU, SBU-NF data must be marked UNCLASSIFIED
    in USA documents.
    </sch:assert>
    </sch:rule>
    </sch:pattern>
```



## 2.15 - ./Rules/nonICmarkings/ISM\_ID\_00038.sch

Rule Description: ISM-ID-00038 [ISM-ID-00038][Error] If ISM\_CAPCO\_RESOURCE, then Name tokens [XD] and [ND] are mutually exclusive for attribute nonICmarkings. Human Readable: USA documents must not specify both XD and ND on a single element.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM-CAPCO-RESOURCE, for each element which has attribute ism:nonICmarkings specified with a value containing the token [XD] or [ND], we make sure that attribute ism:nonICmarkings is not specified with a value containing both tokens [XD] and [ND].

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-00038" is-a="MutuallyExclusiveAttributeValues">

    <sch:param name="context"
        value="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:nonICmarkings, ('XD', 'ND')))]"/>
    <sch:param name="attrValue" value="@ism:nonICmarkings"/>
    <sch:param name="mutuallyExclusiveTokenList"
value=('XD', 'ND')"/>
    <sch:param name="errMsg"
        value="' [ISM-ID-00038][Error] If
ISM_CAPCO_RESOURCE, then Name tokens [XD] and [ND] are mutually exclusive
for attribute nonICmarkings. Human Readable: USA documents must not
specify both XD and ND on a single element. '"/>
</sch:pattern>
```

## 2.16 - ./Rules/classification/ISM\_ID\_00040.sch

Rule Description: ISM-ID-00040 [ISM-ID-00040][Error] If ISM\_CAPCO\_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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00040" is-a="ValidateValueExistenceInList">

    <sch:param name="context"

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

## 2.17 - ./Rules/releasableTo/ISM\_ID\_00041.sch

Rule Description: ISM-ID-00041 [ISM-ID-00041][Error] If ISM\_CAPCO\_RESOURCE and attribute releasableTo is specified, then each of its values must be ordered in accordance with CVEnumISMRelTo.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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available for use without restriction.
-->
<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_CAPCO_RESOURCE and attribute releasableTo is specified,      then each of
its values must be ordered in accordance with CVEnumISMRelTo.xml.      '"/>
    </sch:pattern>
```

## 2.18 - ./Rules/SCIcontrols/ISM\_ID\_00042.sch

Rule Description: ISM-ID-00042 [ISM-ID-00042][Error] If ISM\_CAPCO\_RESOURCE and attribute SCIcontrols is specified, each of its values must be ordered in accordance with CVEnumISMSCIControls.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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00042" is-a="ValuesOrderedAccordingToCve">

    <sch:param name="attrLocalName" value="SCIcontrols"/>
    <sch:param name="attrValueTokens"
        value="tokenize(normalize-
space(string(@ism:SCIcontrols)), ' ' )"/>
    <sch:param name="cveTermList" value="$SCIcontrolsList"/>
    <sch:param name="errorMessage"
        value="' [ISM-ID-00042][Error] If
ISM_CAPCO_RESOURCE and attribute SCIcontrols is specified, each of its
values must be ordered in accordance with CVEnumISMSCIControls.xml.
' "/>

</sch:pattern>
```

## 2.19 - ./Rules/SCIcontrols/ISM\_ID\_00043.sch

Rule Description: ISM-ID-00043 [ISM-ID-00043][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [SI] we make sure 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00043">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
util:containsAnyOfTheTokens(@ism:SCIcontrols, ('SI'))]">
        <sch:assert
test="util:containsAnyOfTheTokens(@ism:classification, ('TS', 'S', 'C'))"
                                flag="error">
            [ISM-ID-00043][Error] If ISM_CAPCO_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>
```

## 2.20 - ./Rules/SCIcontrols/ISM\_ID\_00044.sch

Rule Description: ISM-ID-00044 [ISM-ID-00044][Error] If ISM\_CAPCO\_RESOURCE and attribute SCIcontrols contains a name token starting 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.

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing a token starting with [SI-G] we make sure that attribute ism:classification is specified with a value containing the token [TS].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00044">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
util:containsAnyTokenMatching(@ism:SCIcontrols, ('^SI-G'))]">
    <sch:assert
test="util:containsAnyOfTheTokens(@ism:classification, ('TS'))" flag="error">
    [ISM-ID-00044][Error] If ISM_CAPCO_RESOURCE and attribute
SCIcontrols
    contains a name token starting 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>
```

## 2.21 - ./Rules/SCIcontrols/ISM\_ID\_00045.sch

Rule Description: ISM-ID-00045 [ISM-ID-00045][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing a token starting with [SI-G] we make sure that attribute ism:disseminationControls is specified with a value containing the token [OC].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00045">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
util:containsAnyTokenMatching(@ism:SCIcontrols, ('^SI-G'))]">
    <sch:assert
test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC'))"
    flag="error">
        [ISM-ID-00045][Error] If ISM_CAPCO_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>
```

## 2.22 - ./Rules/SCIcontrols/ISM\_ID\_00047.sch

Rule Description: ISM-ID-00047 [ISM-ID-00047][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [TK] we make sure that attribute ism:classification is specified with a value containing the token [TS] or [S].

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-00047">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
util:containsAnyOfTheTokens(@ism:SCIcontrols, ('TK'))]">
        <sch:assert
test="util:containsAnyOfTheTokens(@ism:classification, ('TS', 'S'))"
        flag="error">
            [ISM-ID-00047][Error] If ISM_CAPCO_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>
```



## 2.23 - ./Rules/SCIcontrols/ISM\_ID\_00048.sch

Rule Description: ISM-ID-00048 [ISM-ID-00048][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [HCS] we make sure 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00048">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
util:containsAnyOfTheTokens(@ism:SCIcontrols, ('HCS'))]">
    <sch:assert
test="util:containsAnyOfTheTokens(@ism:classification, ('TS', 'S', 'C'))"
    flag="error">
        [ISM-ID-00048][Error] If ISM_CAPCO_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>
```

## 2.24 - ./Rules/SCIcontrols/ISM\_ID\_00049.sch

Rule Description: ISM-ID-00049 [ISM-ID-00049][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [HCS] we make sure that attribute ism:disseminationControls is specified with a value containing the token [NF].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00049">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
util:containsAnyOfTheTokens(@ism:SCIcontrols, ('HCS'))]">
        <sch:assert
test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('NF'))"
                                flag="error">
            [ISM-ID-00049][Error] If ISM_CAPCO_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>
```

## 2.25 - ./Rules/resourceElement/ISM\_ID\_00056.sch

Rule Description: ISM-ID-00056 [ISM-ID-00056][Error] If ISM\_CAPCO\_RESOURCE and attribute classification of ISM\_RESOURCE\_ELEMENT has a value of [U] then no element meeting ISM\_CONTRIBUTES\_USA 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-CAPCO-RESOURCE and attribute ism:classification on \$ISM\_RESOURCE\_ELEMENT has a value of [U], then we make sure that no element meeting ISM\_CONTRIBUTES\_USA has attribute ism:classification with value [C], [S], [TS], [R].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00056">

      <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($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">
      [ISM-ID-00056][Error] If ISM_CAPCO_RESOURCE and attribute
classification of
      ISM_RESOURCE_ELEMENT has a value of [U] then no element meeting
ISM_CONTRIBUTES_USA 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>
```

## 2.26 - ./Rules/resourceElement/ISM\_ID\_00058.sch

Rule Description: ISM-ID-00058 [ISM-ID-00058][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE and attribute ism:classification on \$ISM\_RESOURCE\_ELEMENT has a value of [C], then we make sure 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00058">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($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">
        [ISM-ID-00058][Error] USA CONFIDENTIAL documents can't have TOP
SECRET or SECRET data.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.27 - ./Rules/resourceElement/ISM\_ID\_00059.sch

Rule Description: ISM-ID-00059 [ISM-ID-00059][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE and attribute ism:classification on \$ISM\_RESOURCE\_ELEMENT has a value of [S], then we make sure 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00059">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($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">
            [ISM-ID-00059][Error] USA SECRET documents can't have TOP SECRET
data.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.28 - ./Rules/resourceElement/ISM\_ID\_00060.sch

Rule Description: ISM-ID-00060 [ISM-ID-00060][Error] If ISM\_CAPCO\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document have the attribute SCIcontrols containing a value of [SI] then the ISM\_RESOURCE\_ELEMENT element's SCIcontrols must contain [SI]. Human Readable: USA documents having SI data must have SI at the resource level.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_CAPCO\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00060" is-a="AttributeContributesToRollup">

    <sch:param name="attrLocalName" value="SCIcontrols"/>
    <sch:param name="value" value="SI"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00060][Error] USA documents
having SI data must have SI at the resource level.'"/>
</sch:pattern>
```

## 2.29 - ./Rules/resourceElement/ISM\_ID\_00061.sch

Rule Description: ISM-ID-00061 [ISM-ID-00061][Error] If ISM\_CAPCO\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document have the attribute SCIcontries containing a value of [SI-G] then the ISM\_RESOURCE\_ELEMENT element's SCIcontries must contain [SI-G]. Human Readable: USA documents having SI-G data must have SI-G at the resource level.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_CAPCO\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure 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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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00061" is-a="AttributeContributesToRollup">

      <sch:param name="attrLocalName" value="SCIcontries"/>
      <sch:param name="value" value="SI-G"/>
      <sch:param name="errorMessage"
        value="'[ISM-ID-00061][Error] USA documents
having SI-G data must have SI-G at the resource level.'"/>
    </sch:pattern>
```

## 2.30 - ./Rules/resourceElement/ISM\_ID\_00062.sch

Rule Description: ISM-ID-00062 [ISM-ID-00062][Error] If ISM\_CAPCO\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document have the attribute SCIcontries containing a value of [TK] then the ISM\_RESOURCE\_ELEMENT node's SCIcontries must contain [TK]. Human Readable: USA documents having TK data must have TK at the resource level.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_CAPCO\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure 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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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00062" is-a="AttributeContributesToRollup">

      <sch:param name="attrLocalName" value="SCIcontries"/>
      <sch:param name="value" value="TK"/>
      <sch:param name="errorMessage"
        value="'[ISM-ID-00062][Error] USA documents
having TK data must have TK at the resource level.'"/>
    </sch:pattern>
```



## 2.31 - ./Rules/resourceElement/ISM\_ID\_00063.sch

Rule Description: ISM-ID-00063 [ISM-ID-00063][Error] If ISM\_CAPCO\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document have the attribute SCIcontrols containing a value of [HCS] then the ISM\_RESOURCE\_ELEMENT node's SCIcontrols must contain [HCS]. Human Readable: USA documents having HCS data must have HCS at the resource level.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_CAPCO\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure 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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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00063" is-a="AttributeContributesToRollup">

      <sch:param name="attrLocalName" value="SCIcontrols"/>
      <sch:param name="value" value="HCS"/>
      <sch:param name="errorMessage"
        value="'[ISM-ID-00063][Error] USA documents
having HCS data must have HCS at the resource level.'"/>
    </sch:pattern>
```

## 2.32 - ./Rules/resourceElement/ISM\_ID\_00064.sch

Rule Description: ISM-ID-00064 [ISM-ID-00064][Error] If ISM\_CAPCO\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document have the attribute FGIsourcesOpen containing any value then the ISM\_RESOURCE\_ELEMENT must have either FGIsourcesOpen or FGIsourcesProtected 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 CAPCO rules do not apply to the document then the rule does not apply and we return true. If the current element has attribute FGIsourcesOpen specified and does not have attribute excludeFromRollup set to true, then we make sure that the resourceElement has one of the following attributes specified: FGIsourcesOpen or FGIsourcesProtected.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00064">

      <sch:rule context="*[generate-id(.) = generate-
id($ISM_RESOURCE_ELEMENT)]">
      <sch:assert test="
if(not($ISM_CAPCO_RESOURCE)) then true() else
if(not(empty($partFGIsourcesOpen)))          then
($bannerFGIsourcesOpen                        or
$bannerFGIsourcesProtected)                  else true()          "
      flag="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>
```

## 2.33 - ./Rules/resourceElement/ISM\_ID\_00065.sch

Rule Description: ISM-ID-00065 [ISM-ID-00065][Error] If ISM\_CAPCO\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document have the attribute FGIsourcedProtected containing any value then the ISM\_RESOURCE\_ELEMENT must have FGIsourcedProtected with a value. Human Readable: USA documents having FGI Protected data must have FGI Protected at the resource level.

Code Description: If CAPCO rules do not apply to the document then the rule does not apply and we return true. If any element has attribute FGIsourcedProtected specified with a non-empty value and does not have attribute excludeFromRollup set to true, then we make sure that the banner has attribute FGIsourcedProtected specified with a non-empty value.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00065">

      <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($ISM_RESOURCE_ELEMENT)                             and
not(empty($partFGIsourcedProtected))]">
      <sch:assert test="@ism:FGIsourcedProtected" flag="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>
```

## 2.34 - ./Rules/resourceElement/ISM\_ID\_00066.sch

Rule Description: ISM-ID-00066 [ISM-ID-00066][Error] If ISM\_CAPCO\_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 containing [SBU], [SBU-NF], [LES], [LES-NF] Then the ISM\_RESOURCE\_ELEMENT must have disseminationControls containing [FOUO]. Human Readable: USA Unclassified documents having FOUO data and not having SBU, SBU-NF, LES, or LES-NF must have FOUO at the resource level.

Code Description: If the document is an ISM\_CAPCO\_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], and no element meeting ISM\_CONTRIBUTES specifies attribute ism:nonICmarkings with a value containing [SBU], [SBU-NF], [LES], or LES-NF], then we make sure that the ISM\_RESOURCE\_ELEMENT specifies attribute ism:disseminationControls with a value containing the token [FOUO].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00066">

      <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($ISM_RESOURCE_ELEMENT)                            and index-
of($dcTagsFound,'FOUO') &gt; 0                                    and
util:containsAnyOfTheTokens(@ism:classification,
('U'))                  and not($partNonICmarkings_tok = ('SBU', 'SBU-
NF', 'LES', 'LES-NF'))]">
      <sch:assert
test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('FOUO'))"
      flag="error">
      [ISM-ID-00066][Error] USA Unclassified documents having FOUO data
and not having SBU, SBU-NF, LES, or LES-NF must have
      FOUO at the resource level.
    </sch:assert>
      </sch:rule>
    </sch:pattern>
```

## 2.35 - ./Rules/resourceElement/ISM\_ID\_00067.sch

Rule Description: ISM-ID-00067 [ISM-ID-00067][Error] If ISM\_CAPCO\_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\_CAPCO\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure 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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available for use without restriction.
-->
<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>
```

## 2.36 - ./Rules/resourceElement/ISM\_ID\_00068.sch

Rule Description: ISM-ID-00068 [ISM-ID-00068][Error] If ISM\_CAPCO\_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\_CAPCO\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure 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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    available for use without restriction.
-->
<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>
```

## 2.37 - ./Rules/resourceElement/ISM\_ID\_00070.sch

Rule Description: ISM-ID-00070 [ISM-ID-00070][Error] If ISM\_CAPCO\_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\_CAPCO\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure 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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    available for use without restriction.
-->
<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>
```

## 2.38 - ./Rules/resourceElement/ISM\_ID\_00071.sch

Rule Description: ISM-ID-00071 [ISM-ID-00071][Error] If ISM\_CAPCO\_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\_CAPCO\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure 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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    available for use without restriction.
-->
<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>
```



## 2.39 - ./Rules/resourceElement/ISM\_ID\_00072.sch

Rule Description: ISM-ID-00072 [ISM-ID-00072][Error] If ISM\_CAPCO\_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\_CAPCO\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure 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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    available for use without restriction.
-->
<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>
```

## 2.40 - ./Rules/resourceElement/ISM\_ID\_00073.sch

Rule Description: ISM-ID-00073 [ISM-ID-00073][Error] If ISM\_CAPCO\_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\_CAPCO\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure 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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    available for use without restriction.
-->
<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>
```

## 2.41 - ./Rules/resourceElement/ISM\_ID\_00074.sch

Rule Description: ISM-ID-00074 [ISM-ID-00074][Error] If ISM\_CAPCO\_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 CAPCO rules do not apply to the document then the rule does not apply and we return true. We make sure 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00074">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($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">
            [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>
```

## 2.42 - ./Rules/resourceElement/ISM\_ID\_00075.sch

Rule Description: ISM-ID-00075 [ISM-ID-00075][Error] If ISM\_CAPCO\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document have the attribute atomicEnergyMarkings containing [FRD] then the ISM\_RESOURCE\_ELEMENT must have atomicEnergyMarkings containing [FRD]. Human Readable: USA documents having Formerly Restricted Data (FRD) must have FRD at the resource level.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_CAPCO\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure that the ISM\_RESOURCE\_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$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-00075" is-a="AttributeContributesToRollup">

      <sch:param name="attrLocalName"
value="atomicEnergyMarkings"/>
      <sch:param name="value" value="FRD"/>
      <sch:param name="errorMessage"
value="'[ISM-ID-00075][Error] USA documents
having Formerly Restricted Data (FRD) must have FRD at the resource level.'"/>
</sch:pattern>
```

## 2.43 - ./Rules/resourceElement/ISM\_ID\_00077.sch

Rule Description: ISM-ID-00077 [ISM-ID-00077][Error] If ISM\_CAPCO\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document has the attribute atomicEnergyMarkings containing [FRD-SG-##] 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 must have the same Formerly Restricted SIGMA-## Data at the resource level.

Code Description: If CAPCO rules do not apply to the document then the rule does not apply and we return true. We make sure 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-##].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00077">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($ISM_RESOURCE_ELEMENT)]">
        <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">
            [ISM-ID-00077][Error] USA documents having Formerly Restricted
SIGMA-## Data must have the same Formerly Restricted SIGMA-## Data at
            the resource level.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.44 - ./Rules/resourceElement/ISM\_ID\_00078.sch

Rule Description: ISM-ID-00078 [ISM-ID-00078][Error] If ISM\_CAPCO\_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\_CAPCO\_RESOURCE, the ISM\_RESOURCE\_ELEMENT specifies attribute `ism:classification` with a value of `$resourceElementClassification`, and an element meeting ISM\_CONTRIBUTES specifies `$attrLocalName` with a value containing the token `$value`, then we make sure that the ISM\_RESOURCE\_ELEMENT specifies the attribute `$attrLocalName` with a value containing the token `$value`.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<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>
```

## 2.45 - ./Rules/resourceElement/ISM\_ID\_00079.sch

Rule Description: ISM-ID-00079 [ISM-ID-00079][Error] If ISM\_CAPCO\_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\_CAPCO\_RESOURCE, the ISM\_RESOURCE\_ELEMENT specifies attribute `ism:classification` with a value of `$resourceElementClassification`, and an element meeting ISM\_CONTRIBUTES specifies `$attrLocalName` with a value containing the token `$value`, then we make sure that the ISM\_RESOURCE\_ELEMENT specifies the attribute `$attrLocalName` with a value containing the token `$value`.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<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>
```

## 2.46 - ./Rules/resourceElement/ISM\_ID\_00080.sch

Rule Description: ISM-ID-00080 [ISM-ID-00080][Error] If ISM\_CAPCO\_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\_CAPCO\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure 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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    available for use without restriction.
-->
<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>
```



## 2.47 - ./Rules/resourceElement/ISM\_ID\_00081.sch

Rule Description: ISM-ID-00081 [ISM-ID-00081][Error] If ISM\_CAPCO\_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\_CAPCO\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure that the ISM\_RESOURCE\_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$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-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>
```

## 2.48 - ./Rules/resourceElement/ISM\_ID\_00084.sch

Rule Description: ISM-ID-00084 [ISM-ID-00084][Error] If ISM\_CAPCO\_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: 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\_CAPCO\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00084" is-a="AttributeContributesToRollup">

    <sch:param name="attrLocalName" value="nonICmarkings"/>
    <sch:param name="value" value="DS"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00084][Error] USA documents
having DS Data must have DS at the resource level.'"/>
</sch:pattern>
```

## 2.49 - ./Rules/resourceElement/ISM\_ID\_00085.sch

Rule Description: ISM-ID-00085 [ISM-ID-00085][Error] If ISM\_CAPCO\_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: If the document is an ISM\_CAPCO\_RESOURCE, the current element is the ISM\_CAPCO\_RESOURCE, any element meeting ISM\_CONTRIBUTES specifies attribute ism:nonICmarkings with a value containing the token [XD], and no element meeting ISM\_CONTRIBUTES specifies the attribute ism:nonICmarkings with a value containing the token [ND], then we make sure that the ISM\_RESOURCE\_ELEMENT specifies attribute ism:nonICmarkings with a value containing the token [XD].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00085">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($ISM_RESOURCE_ELEMENT)                            and index-
of($partNonICmarkings_tok, 'XD') > 0                           and not(index-
of($partNonICmarkings_tok, 'ND')>0)]">
    <sch:assert
test="util:containsAnyOfTheTokens(@ism:nonICmarkings, ('XD'))" flag="error">
    [ISM-ID-00085][Error] USA documents having XD Data and not having
    ND must have XD at the resource level.
    </sch:assert>
    </sch:rule>
    </sch:pattern>
```

## 2.50 - ./Rules/resourceElement/ISM\_ID\_00086.sch

Rule Description: ISM-ID-00086 [ISM-ID-00086][Error] If ISM\_CAPCO\_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\_CAPCO\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure 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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    available for use without restriction.
-->
<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>
```

## 2.51 - ./Rules/resourceElement/ISM\_ID\_00087.sch

Rule Description: ISM-ID-00087 [ISM-ID-00087][Error] If ISM\_CAPCO\_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 [SBU-NF] AND 3. One of the elements: Has the attribute classification NOT having a value of [U] Then the ISM\_RESOURCE\_ELEMENT must have disseminationControls containing [NF]. Human Readable: Classified USA documents having SBU-NF Data must have NF at the resource level.

Code Description: If CAPCO rules do not apply to the document then the rule does not apply and we return 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], then we make sure that the resourceElement has attribute disseminationControls specified with a value containing [NF].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00087">

    <sch:rule context="*[generate-id(.) = generate-
id($ISM_RESOURCE_ELEMENT)]">
        <sch:assert test="
if(not($ISM_CAPCO_RESOURCE)) then true() else if(index-
of($partNonICmarkings_tok, 'SBU-NF') > 0 and if(index-
not($bannerClassification='U')) then (index-
of($bannerDisseminationControls_tok, 'NF') > 0) else
true()
"
flag="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>
```

## 2.52 - ./Rules/resourceElement/ISM\_ID\_00088.sch

Rule Description: ISM-ID-00088 [ISM-ID-00088][Error] If ISM\_CAPCO\_RESOURCE and releasableTo is specified on the resource element then all classified portions must specify releasableTo. Human Readable: USA documents having any classified portion that is not RELEASABLE (REL) cannot be REL at the resource level.

Code Description: If CAPCO rules apply to the document, we verify that all portions either have the attribute classification specified with a value of [U] 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:
    This document has been approved for Public Release and is
    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00088">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($ISM_RESOURCE_ELEMENT)                            and
@ism:releasableTo]">
        <sch:assert test="every $portion in $partTags
satisfies                (                                ($portion/@ism:classification='U'
and                        not(util:containsAnyOfTheTokens($portion/
@ism:disseminationControls, ('NF','DISPLAYONLY',
'RELIDO')) )                                ) or $portion/
@ism:releasableTo[normalize-space()]) or not($portion/
@ism:classification)                                )"
                                flag="error">
        [ISM-ID-00088][Error] USA documents having any classified portion
that is not
        Releasable cannot be REL at the resource level.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.53 - ./Rules/resourceElement/ISM\_ID\_00090.sch

Rule Description: ISM-ID-00090 [ISM-ID-00090][Error] If ISM\_CAPCO\_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], then we make sure 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00090">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($ISM_RESOURCE_ELEMENT)                            and index-
of($partDisseminationControls_tok, 'REL') &gt; 0]">
    <sch:assert
test="not(util:containsAnyOfTheTokens(@ism:disseminationControls, ('EYES')))"
    flag="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>
```

## 2.54 - ./Rules/FGIsourceOpen/ISM\_ID\_00095.sch

Rule Description: ISM-ID-00095 [ISM-ID-00095][Error] If ISM\_CAPCO\_RESOURCE and attribute FGIsourceOpen is specified then each of its values must be ordered in accordance with CVEnumISMFGIOpen.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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available for use without restriction.
-->
<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_CAPCO_RESOURCE and attribute FGIsourceOpen is      specified then each of
its values must be ordered in accordance with CVEnumISMFGIOpen.xml.      " />
    </sch:pattern>
```



## 2.55 - ./Rules/FGIsourceProtected/ISM\_ID\_00096.sch

Rule Description: ISM-ID-00096 [ISM-ID-00096][Error] If ISM\_CAPCO\_RESOURCE and attribute FGIsourceProtected is specified then each of its values must be ordered in accordance with CVEnumISMFGIProtected.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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    available for use without restriction.
-->
<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_CAPCO_RESOURCE and attribute FGIsourceProtected is specified then
each of its values must be ordered in accordance with
CVEnumISMFGIProtected.xml. ' " />
</sch:pattern>
```

## 2.56 - ./Rules/FGIsourceProtected/ISM\_ID\_00097.sch

Rule Description: ISM-ID-00097 [ISM-ID-00097][Warning] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which specifies the attribute ism:FGIsourceProtected, we make sure that attribute ism:FGIsourceProtected contains only the token [FGI].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00097">

    <sch:rule context="*[$ISM_CAPCO_RESOURCE and
@ism:FGIsourceProtected]">
        <sch:assert test="normalize-space(string(./
@ism:FGIsourceProtected))='FGI'" flag="warning">
            [ISM-ID-00097][Warning] If ISM_CAPCO_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>
```

## 2.57 - ./Rules/ownerProducer/ISM\_ID\_00099.sch

Rule Description: ISM-ID-00099 [ISM-ID-00099][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which specifies attribute ism:ownerProducer with a value containing the token [FGI] we make sure that attribute ism:ownerProducer only contains a single token.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00099">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:ownerProducer, ('FGI'))]">
        <sch:assert test="
count(
    tokenize(normalize-space(string(@ism:ownerProducer)),
' ')
    ) = 1"
            flag="error">
[ISM-ID-00099][Error] If ISM_CAPCO_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>
```

## 2.58 - ./Rules/ownerProducer/ISM\_ID\_00100.sch

Rule Description: ISM-ID-00100 [ISM-ID-00100][Error] If ISM\_CAPCO\_RESOURCE and attribute ownerProducer is specified, then each of its values must be ordered in accordance with CVEnumISMOwnerProducer.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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    available for use without restriction.
-->
<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_CAPCO_RESOURCE and attribute ownerProducer is specified, then each
of its values must be ordered in accordance with
CVEnumISMOwnerProducer.xml. ' " />
    </sch:pattern>
```

## 2.59 - ./Rules/generalConstraints/ISM\_ID\_00102.sch

Rule Description: ISM-ID-00102 [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 edh:DESVersion is specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00102">

    <sch:rule context="/">
        <sch:assert test="some $element in descendant-or-
self::node() satisfies $element/@ism:DESVersion"
                    flag="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>
```

## 2.60 - ./Rules/generalConstraints/ISM\_ID\_00103.sch

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

Code Description: For the document, we make sure 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00103">

    <sch:rule context="/*">
        <sch:assert test="some $token in //*[(@ism:*)]
satisfies      $token/@ism:resourceElement=true()"
                flag="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>
```

## 2.61 - ./Rules/resourceElement/ISM\_ID\_00104.sch

Rule Description: ISM-ID-00104 [ISM-ID-00104][Error] If ISM\_CAPCO\_RESOURCE and any element in the document: 1. Meets ISM\_CONTRIBUTES AND 2. Has the attribute nonICmarkings containing [SBU-NF] AND 3. The ISM\_RESOURCE\_ELEMENT has attribute classification equal to [U] Then the ISM\_RESOURCE\_ELEMENT must have nonICmarkings containing [SBU-NF]. Human Readable: Unclassified USA documents having SBU-NF must have SBU-NF at the resource level.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_CAPCO\_RESOURCE, the ISM\_RESOURCE\_ELEMENT specifies attribute ism:classification with a value of \$resourceElementClassification, and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure that the ISM\_RESOURCE\_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$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-00104" is-
a="AttributeContributesToRollupWithClassification">

    <sch:param name="attrLocalName" value="nonICmarkings"/>
    <sch:param name="value" value="SBU-NF"/>
    <sch:param name="resourceElementClassification" value="U"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00104][Error] Unclassified USA
documents having SBU-NF must have SBU-NF at the resource level.'"/>
</sch:pattern>
```

## 2.62 - ./Rules/resourceElement/ISM\_ID\_00105.sch

Rule Description: ISM-ID-00105 [ISM-ID-00105][Error] If ISM\_CAPCO\_RESOURCE and any element in the document: 1. Meets ISM\_CONTRIBUTES AND 2. Has the attribute nonICmarkings containing [SBU] AND 3. The ISM\_RESOURCE\_ELEMENT has attribute classification equal to [U] Then the ISM\_RESOURCE\_ELEMENT must have nonICmarkings containing [SBU]. Human Readable: Unclassified USA documents having SBU must have SBU at the resource level.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_CAPCO\_RESOURCE, the ISM\_RESOURCE\_ELEMENT specifies attribute ism:classification with a value of \$resourceElementClassification, and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00105" is-
a="AttributeContributesToRollupWithClassification">

    <sch:param name="attrLocalName" value="nonICmarkings"/>
    <sch:param name="value" value="SBU"/>
    <sch:param name="resourceElementClassification" value="U"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00105][Error] Unclassified USA
documents having SBU must have SBU at the resource level.'"/>
    </sch:pattern>
```



## 2.63 - ./Rules/disseminationControls/ISM\_ID\_00107.sch

Rule Description: ISM-ID-00107 [ISM-ID-00107][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [IMC] we make sure 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00107">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
util:containsAnyOfTheTokens(@ism:disseminationControls, ('IMC'))]">
    <sch:assert test="@ism:classification=('TS', 'S')"
flag="error">
    [ISM-ID-00107][Error] If ISM_CAPCO_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>
```

## 2.64 - ./Rules/resourceElement/ISM\_ID\_00108.sch

Rule Description: ISM-ID-00108 [ISM-ID-00108][Error] If ISM\_CAPCO\_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\_CAPCO\_RESOURCE and attribute \$attrLocalName of ISM\_RESOURCE\_ELEMENT has a value of [\$value] and attribute ism:compilationReason does not have a value, then we make sure 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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    available for use without restriction.
-->
<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>
```

## 2.65 - ./Rules/resourceElement/ISM\_ID\_00109.sch

Rule Description: ISM-ID-00109 [ISM-ID-00109][Error] If ISM\_CAPCO\_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\_CAPCO\_RESOURCE and attribute \$attrLocalName of ISM\_RESOURCE\_ELEMENT has a value of [\$value] and attribute ism:compilationReason does not have a value, then we make sure 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>
```

## 2.66 - ./Rules/resourceElement/ISM\_ID\_00110.sch

Rule Description: ISM-ID-00110 [ISM-ID-00110][Error] If ISM\_CAPCO\_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\_CAPCO\_RESOURCE and attribute \$attrLocalName of ISM\_RESOURCE\_ELEMENT has a value of [\$value] and attribute ism:compilationReason does not have a value, then we make sure 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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    available for use without restriction.
-->
<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>
```

## 2.67 - ./Rules/resourceElement/ISM\_ID\_00111.sch

Rule Description: ISM-ID-00111 [ISM-ID-00111][Error] If ISM\_CAPCO\_RESOURCE and attribute SCIcontrols of ISM\_RESOURCE\_ELEMENT contains [SI] and attribute compilationReason does not have a value then at least one element meeting ISM\_CONTRIBUTES in the document must have a SCIcontrols attribute containing [SI]. Human Readable: USA SI documents not using compilation must have SI data.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_CAPCO\_RESOURCE and attribute \$attrLocalName of ISM\_RESOURCE\_ELEMENT has a value of [\$value] and attribute ism:compilationReason does not have a value, then we make sure 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00111" is-a="NonCompilationDocumentRollup">

    <sch:param name="attrLocalName" value="SCIcontrols"/>
    <sch:param name="value" value="SI"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00111][Error] USA SI documents
not using compilation must have SI data.'"/>
    </sch:pattern>
```

## 2.68 - ./Rules/resourceElement/ISM\_ID\_00112.sch

Rule Description: ISM-ID-00112 [ISM-ID-00112][Error] If ISM\_CAPCO\_RESOURCE and attribute SCIcontrols of ISM\_RESOURCE\_ELEMENT contains [SI-G] and attribute compilationReason does not have a value then at least one element meeting ISM\_CONTRIBUTES in the document must have a SCIcontrols attribute containing [SI-G].  
Human Readable: USA SI-G documents not using compilation must have SI-G data.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_CAPCO\_RESOURCE and attribute \$attrLocalName of ISM\_RESOURCE\_ELEMENT has a value of [\$value] and attribute ism:compilationReason does not have a value, then we make sure 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00112" is-a="NonCompilationDocumentRollup">

    <sch:param name="attrLocalName" value="SCIcontrols"/>
    <sch:param name="value" value="SI-G"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00112][Error] USA SI-G documents
not using compilation must have SI-G data.'"/>
    </sch:pattern>
```

## 2.69 - ./Rules/resourceElement/ISM\_ID\_00113.sch

Rule Description: ISM-ID-00113 [ISM-ID-00113][Error] If ISM\_CAPCO\_RESOURCE and attribute SCIcontrols of ISM\_RESOURCE\_ELEMENT contains [TK] and attribute compilationReason does not have a value then at least one element meeting ISM\_CONTRIBUTES in the document must have a SCIcontrols attribute containing [TK].  
Human Readable: USA TK documents not using compilation must have TK data.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_CAPCO\_RESOURCE and attribute \$attrLocalName of ISM\_RESOURCE\_ELEMENT has a value of [\$value] and attribute ism:compilationReason does not have a value, then we make sure 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00113" is-a="NonCompilationDocumentRollup">

    <sch:param name="attrLocalName" value="SCIcontrols"/>
    <sch:param name="value" value="TK"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00113][Error] USA TK documents
not using compilation must have TK data.'"/>
    </sch:pattern>
```

## 2.70 - ./Rules/resourceElement/ISM\_ID\_00116.sch

Rule Description: ISM-ID-00116 [ISM-ID-00116][Error] If ISM\_CAPCO\_RESOURCE and attribute SCIcontrols of ISM\_RESOURCE\_ELEMENT contains [HCS] and attribute compilationReason does not have a value then at least one element meeting ISM\_CONTRIBUTES in the document must have a SCIcontrols attribute containing [HCS].  
Human Readable: USA HCS documents not using compilation must have HCS data.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_CAPCO\_RESOURCE and attribute \$attrLocalName of ISM\_RESOURCE\_ELEMENT has a value of [\$value] and attribute ism:compilationReason does not have a value, then we make sure 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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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00116" is-a="NonCompilationDocumentRollup">

      <sch:param name="attrLocalName" value="SCIcontrols"/>
      <sch:param name="value" value="HCS"/>
      <sch:param name="errorMessage"
        value="'[ISM-ID-00116][Error] USA HCS documents
not using compilation must have HCS data.'"/>
    </sch:pattern>
```



## 2.71 - ./Rules/resourceElement/ISM\_ID\_00118.sch

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

Code Description: We make sure that the resourceElement has attribute createDate specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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      available for use without restriction.
-->
<sch:pattern id="ISM-ID-00118">

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

## 2.72 - ./Rules/generalConstraints/ISM\_ID\_00119.sch

Rule Description: ISM-ID-00119 [ISM-ID-00119][Error] If ISM\_CAPCO\_RESOURCE and 1. attribute classification is not [U] AND 2. ISM\_ICDOCUMENT\_APPLIES 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 claims compliance with ICD 710 must have an appropriate foreign disclosure or release marking.

Code Description: If CAPCO rules do not apply to the document, or ICDocument does not apply to the document, or the resource is unclassified, or excludeFromRollup is true, then the rule does not apply. Otherwise, we make sure 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00119">

    <sch:rule context="*[@ism:* except (@ism:pocType |
@ism:DESVersion | @ism:unregisteredNoticeType)
and $ISM_CAPCO_RESOURCE and
$ISM_ICDOCUMENT_APPLIES and
not(@ism:excludeFromRollup=true()) and
not(@ism:classification='U')]">
        <sch:assert
test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('DISPLAYONLY',
'RELIDO', 'REL', 'EYES', 'NF'))"
        flag="error">
            [ISM-ID-00119][Error] If ISM_CAPCO_RESOURCE and
ISM_ICDOCUMENT_APPLIES
            and attribute classification is specified with a value other than
[U],
            then attribute disseminationControls must contain one or more of
the
            following named tokens: [DISPLAYONLY], [REL], [RELIDO], [EYES],
or [NF].

            Human Readable: All classified NSI that claims compliance with
            ICD 710 must have an appropriate foreign disclosure or release
            marking.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.73 - ./Rules/SARIdentifier/ISM\_ID\_00121.sch

Rule Description: ISM-ID-00121 [ISM-ID-00121][Error] If ISM\_CAPCO\_RESOURCE and attribute SARIdentifier is specified, then each of its values must be ordered in accordance with CVEnumISMSAR.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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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00121" is-a="ValuesOrderedAccordingToCve">

      <sch:param name="attrLocalName" value="SARIdentifier"/>
      <sch:param name="attrValueTokens"
        value="tokenize(normalize-
space(string(@ism:SARIdentifier)), ' ')" />
      <sch:param name="cveTermList" value="$SARIdentifierList" />
      <sch:param name="errorMessage"
        value="      [ISM-ID-00121][Error] If
ISM_CAPCO_RESOURCE and attribute SARIdentifier      is specified, then each
of its values must be ordered in accordance      with CVEnumISMSAR.xml.
' " />

      </sch:pattern>
```

## 2.74 - ./Rules/SCIcontrols/ISM\_ID\_00122.sch

Rule Description: ISM-ID-00122 [ISM-ID-00122][Error] If ISM\_CAPCO\_RESOURCE and attribute SCIcontrols contains the name token [KDK], then attribute classification must have a value of [TS] or [S]. Human Readable: A USA document with KLONDIKE data must be classified SECRET or TOP SECRET.

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [KDK] we make sure 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00122">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:SCIcontrols, ('KDK'))]">
    <sch:assert
test="util:containsAnyOfTheTokens(@ism:classification, ('TS', 'S'))"
    flag="error">
        [ISM-ID-00122][Error] If ISM_CAPCO_RESOURCE and attribute
SCIcontrols
        contains the name token [KDK], then attribute classification must
have
        a value of [TS] or [S].

        Human Readable: A USA document with KLONDIKE data must be
        classified SECRET or TOP SECRET.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.75 - ./Rules/SCIcontrols/ISM\_ID\_00123.sch

Rule Description: ISM-ID-00123 [ISM-ID-00123][Error] If ISM\_CAPCO\_RESOURCE and attribute SCIcontrols contains the name token [KDK], then attribute disseminationControls must contain the name token [NF]. Human Readable: A USA document containing KLONDIKE data must also be marked for NO FOREIGN dissemination.

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [KDK] we make sure that attribute ism:disseminationControls is specified with a value containing the token [NF].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00123">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:SCIcontrols, ('KDK'))]">
    <sch:assert
test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('NF'))"
    flag="error">
        [ISM-ID-00123][Error] If ISM_CAPCO_RESOURCE and attribute
SCIcontrols
    contains the name token [KDK], then attribute
disseminationControls
    must contain the name token [NF].

        Human Readable: A USA document containing KLONDIKE data must also
be
        marked for NO FOREIGN dissemination.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.76 - ./Rules/disseminationControls/ISM\_ID\_00124.sch

Rule Description: ISM-ID-00124 [ISM-ID-00124][Warning] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [RELIDO] we make sure that attribute ism:ownerProducer is specified with a value containing [USA].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00124">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
util:containsAnyOfTheTokens(@ism:disseminationControls, ('RELIDO'))]">
    <sch:assert
test="util:containsAnyOfTheTokens(@ism:ownerProducer, ('USA'))"
flag="warning">
    [ISM-ID-00124][Warning] If ISM_CAPCO_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>
```

## 2.77 - ./Rules/generalConstraints/ISM\_ID\_00125.sch

Rule Description: ISM-ID-00125 [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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00125">

    <sch:rule context="*[@ism:*)"
      <sch:assert test="every $attr in @ism:*
satisfies
      $attr[local-name() = $validAttributeList]"
        flag="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>
```

## 2.78 - ./Rules/generalConstraints/ISM\_ID\_00126.sch

Rule Description: ISM-ID-00126 [ISM-ID-00126][Error] Attributes with namespace urn:us:gov:ic:ism must not appear with attribute @xs:any. Human Readable: Ensure that no attributes that appear to be in the ISM namespace, but are not defined by ISM.XML, are used in a schema that might have an xs:any.

Code Description: For any element which specifies an attribute in the ISM namespace, we make sure that the attribute xs:any is NOT specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00126">

    <sch:rule context="*[@ism:*]">
        <sch:assert test="not(./@xs:any)" flag="error">
            [ISM-ID-00126][Error] Attributes with namespace urn:us:gov:ic:ism
must
            not appear with attribute @xs:any.

            Human Readable: Ensure that no attributes that appear to be in
the
            ISM namespace, but are not defined by ISM.XML, are used in a
schema
            that might have an xs:any.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```



## 2.79 - ./Rules/notice/ISM\_ID\_00127.sch

Rule Description: ISM-ID-00127 [ISM-ID-00127][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which meets ISM\_CONTRIBUTES and specifies attribute ism:atomicEnergyMarkings with a value containing the token [RD], we make sure 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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    available for use without restriction.
-->
<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>
```

## 2.80 - ../Rules/notice/ISM\_ID\_00128.sch

Rule Description: ISM-ID-00128 [ISM-ID-00128][Error] If ISM\_CAPCO\_RESOURCE and: 1. Any element meeting ISM\_CONTRIBUTES in the document has the attribute atomicEnergyMarkings containing [FRD] AND 2. No element meeting ISM\_CONTRIBUTES in the document has the attribute noticeType containing [FRD] and does not have attribute externalNotice with a value of [true] Human Readable: USA documents containing FRD data must also have a non-external FRD notice.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM-CAPCO-RESOURCE, for each element which meets ISM\_CONTRIBUTES and specifies attribute ism:atomicEnergyMarkings with a value containing the token [FRD], we make sure that an element meeting ISM\_CONTRIBUTES specifies attribute ism:noticeType with a value containing the token [FRD] and does not specify attribute ism:externalNotice with a value of [true].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00128" is-a="DataHasCorrespondingNotice">

    <sch:param name="ruleId" value="'ISM-ID-00128'"/>
    <sch:param name="attrName"
value="'atomicEnergyMarkings'"/>
    <sch:param name="attrValue"
value="@ism:atomicEnergyMarkings"/>
    <sch:param name="noticeType" value="'FRD'"/>
</sch:pattern>
```

## 2.81 - ./Rules/notice/ISM\_ID\_00129.sch

Rule Description: ISM-ID-00129 [ISM-ID-00129][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which meets ISM\_CONTRIBUTES and specifies attribute ism:disseminationControls with a value containing the token [IMC], we make sure 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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    available for use without restriction.
-->
<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>
```

## 2.82 - ./Rules/notice/ISM\_ID\_00130.sch

Rule Description: ISM-ID-00130 [ISM-ID-00130][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which meets ISM\_CONTRIBUTES and specifies attribute ism:disseminationControls with a value containing the token [FISA], we make sure 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:
    This document has been approved for Public Release and is
    available for use without restriction.
-->
<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>
```

## 2.83 - ./Rules/resourceElement/ISM\_ID\_00132.sch

Rule Description: ISM-ID-00132 [ISM-ID-00132][Error] If ISM\_CAPCO\_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\_CAPCO\_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], then we make sure 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:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00132">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($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($ele/@ism:disseminationControls,
('REL','NF','DISPLAYONLY'))                                or not($ele/
@ism:classification)                                     )                then
true()                                                    else
util:containsAnyOfTheTokens($ele/@ism:disseminationControls, ('RELIDO'))"
                                flag="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>
```

## 2.84 - ./Rules/declassException/ISM\_ID\_00133.sch

Rule Description: ISM-ID-00133 [ISM-ID-00133][Error] If ISM\_NSI\_EO\_APPLIES and attribute declassException is specified and contains the tokens [50X1-HUM], or [50X2-WMD], 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 50X1-HUM or 50X2-WMD is specified.

Code Description: If ISM\_NSI\_EO\_APPLIES, for each element which specifies ism:declassException with a value containing token [50X1-HUM], or [50X2-WMD] we make sure that attributes ism:declassDate and ism:declassEvent are NOT specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00133">

    <sch:rule
context="*[$ISM_NSI_EO_APPLIES                and
util:containsAnyOfTheTokens(@ism:declassException, ('50X1-HUM', '50X2-
WMD'))]">

        <sch:assert test="not(@ism:declassDate or
@ism:declassEvent)" flag="error">
            [ISM-ID-00133][Error] If ISM_NSI_EO_APPLIES and attribute
            declassException is specified and contains the tokens
            [50X1-HUM], or [50X2-WMD], 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 50X1-HUM or 50X2-WMD is
specified.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.85 - ./Rules/notice/ISM\_ID\_00134.sch

Rule Description: ISM-ID-00134 [ISM-ID-00134][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which meets ISM\_CONTRIBUTES and specifies attribute ism:nonICmarkings with a value containing the token [DS], we make sure 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:
    This document has been approved for Public Release and is
    available for use without restriction.
-->
<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>
```

## 2.86 - ./Rules/notice/ISM\_ID\_00135.sch

Rule Description: ISM-ID-00135 [ISM-ID-00135][Warning] If ISM\_CAPCO\_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 a 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-CAPCO-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], we make sure that an element meeting ISM\_CONTRIBUTES specifies attribute ism:atomicEnergyMarkings with a value containing 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-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>
```



## 2.87 - ./Rules/notice/ISM\_ID\_00136.sch

Rule Description: ISM-ID-00136 [ISM-ID-00136][Warning] If ISM\_CAPCO\_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-CAPCO-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], we make sure that an element meeting ISM\_CONTRIBUTES specifies attribute ism:atomicEnergyMarkings with a value containing the token [FRD].

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-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>
```

## 2.88 - ./Rules/notice/ISM\_ID\_00137.sch

Rule Description: ISM-ID-00137 [ISM-ID-00137][Warning] If ISM\_CAPCO\_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-CAPCO-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], we make sure 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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    available for use without restriction.
-->
<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>
```

## 2.89 - ./Rules/notice/ISM\_ID\_00138.sch

Rule Description: ISM-ID-00138 [ISM-ID-00138][Warning] If ISM\_CAPCO\_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]. Human Readable: 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-CAPCO-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], we make sure that an element meeting ISM\_CONTRIBUTES specifies attribute ism:nonICmarkings with a value containing the token [DS].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00138" is-a="NoticeHasCorrespondingData">

    <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>
```

## 2.90 - ./Rules/notice/ISM\_ID\_00139.sch

Rule Description: ISM-ID-00139 [ISM-ID-00139][Warning] If ISM\_CAPCO\_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-CAPCO-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], we make sure that an element meeting ISM\_CONTRIBUTES specifies attribute ism:disseminationControls with a value containing the token [FISA].

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-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>
```

## 2.91 - ./Rules/resourceElement/ISM\_ID\_00141.sch

Rule Description: ISM-ID-00141 [ISM-ID-00141][Error] If ISM\_NSI\_EO\_APPLIES and 1. ISM\_RESOURCE\_ELEMENT attribute declassException does not have a value of [50X1-HUM], or [50X2-WMD] AND 2. ISM\_RESOURCE\_ELEMENT attribute declassDate is not specified AND 3. ISM\_RESOURCE\_ELEMENT attribute declassEvent is not specified AND 4. ISM\_RESOURCE\_ELEMENT attribute atomicEnergyMarkings is not specified with a value of [RD] or [FRD] Human Readable: Documents under E.O. 13526 require declassDate or declassEvent unless 50X1-HUM, 50X2-WMD, RD, or FRD is specified.

Code Description: If ISM\_NSI\_EO\_APPLIES, the current element is the ISM\_RESOURCE\_ELEMENT, and attribute ism:declassException is not specified with a value containing the token [50X1-HUM], or [50X2-WMD] OR attribute ism:atomicEnergyMarkings is not specified with a value containing the token [RD] or [FRD], then we make sure that attribute ism:declassDate is specified or attribute ism:declassEvent is specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00141">

    <sch:rule
context="*[$ISM_NSI_EO_APPLIES                                and generate-id(.) =
generate-id($ISM_RESOURCE_ELEMENT)                            and
not(util:containsAnyOfTheTokens(@ism:declassException, ('50X1-HUM', '50X2-
WMD'))))                and
not(util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD', 'FRD')))]">
    <sch:assert test="@ism:declassDate or @ism:declassEvent"
flag="error">
    [ISM-ID-00141][Error] Documents under E.O. 13526 require
declassDate or declassEvent unless
    50X1-HUM, 50X2-WMD, RD, or FRD is specified.
    </sch:assert>
    </sch:rule>
    </sch:pattern>
```

## 2.92 - ./Rules/classification/ISM\_ID\_00142.sch

Rule Description: ISM-ID-00142 [ISM-ID-00142][Error] If ISM\_NSI\_EO\_APPLIES and attribute classification has a value other than [U], then attribute classifiedBy or derivativelyClassifiedBy must be specified on the ISM\_RESOURCE\_ELEMENT. Human Readable: Classified data including DOE data requires either an original classifier or a derivative classifier be identified.

Code Description: If ISM\_NSI\_EO\_APPLIES, for each element which specified attribute ism:classification with a value other than [U], we make sure that the ISM\_RESOURCE\_ELEMENT specifies attribute ism:classifiedBy or ism:derivativelyClassifiedBy.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00142">

      <sch:rule context="*[$ISM_NSI_EO_APPLIES and
@ism:classification!='U']">
      <sch:assert test="$ISM_RESOURCE_ELEMENT/
@ism:classifiedBy
      or $ISM_RESOURCE_ELEMENT/
@ism:derivativelyClassifiedBy"
      flag="error">
      [ISM-ID-00142][Error] Classified data including DOE data requires
      either an original classifier or a derivative classifier be
identified.
      </sch:assert>
      </sch:rule>
      </sch:pattern>
```

## 2.93 - ./Rules/derivativelyClassifiedBy/ISM\_ID\_00143.sch

Rule Description: ISM-ID-00143 [ISM-ID-00143][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which specifies attribute ism:derivativelyClassifiedBy we make sure that attribute ism:derivedFrom is specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00143">

    <sch:rule context="*[$ISM_CAPCO_RESOURCE and
@ism:derivativelyClassifiedBy]">
        <sch:assert test="@ism:derivedFrom" flag="error">
            [ISM-ID-00143][Error] If ISM_CAPCO_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>
```

## 2.94 - ./Rules/resourceElement/ISM\_ID\_00145.sch

Rule Description: ISM-ID-00145 [ISM-ID-00145][Error] If ISM\_CAPCO\_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\_CAPCO\_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], and no element meeting ISM\_CONTRIBUTES specifies attribute ism:nonICmarkings with a value containing the token [LES-NF], then we make sure that ISM\_RESOURCE\_ELEMENT specifies attribute ism:nonICmarkings with a value containing the token [LES].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00145">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($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">
    [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>
```



## 2.95 - ./Rules/resourceElement/ISM\_ID\_00146.sch

Rule Description: ISM-ID-00146 [ISM-ID-00146][Error] If ISM\_CAPCO\_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 CAPCO rules do not apply to the document then the rule does not apply and we return 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 we make sure that the resourceElement has attribute disseminationControls specified with a value containing [NF].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00146">

    <sch:rule context="*[generate-id(.) = generate-
id($ISM_RESOURCE_ELEMENT)]">
        <sch:assert test="
if(not($ISM_CAPCO_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">
    [ISM-ID-00146][Error] Classified USA documents having LES-NF Data
    must have NF at the resource level.
    </sch:assert>
    </sch:rule>
    </sch:pattern>
```

## 2.96 - ./Rules/resourceElement/ISM\_ID\_00147.sch

Rule Description: ISM-ID-00147 [ISM-ID-00147][Error] If ISM\_CAPCO\_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 CAPCO rules do not apply to the document then the rule does not apply and we return 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 we make sure that the resourceElement has attribute nonICmarkings specified with a value containing [LES].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00147">

    <sch:rule context="*[generate-id(.) = generate-
id($ISM_RESOURCE_ELEMENT)]">
        <sch:assert test="
if(not($ISM_CAPCO_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">
    [ISM-ID-00147][Error] Classified USA documents having LES-NF Data
    must have LES at the resource level.
    </sch:assert>
    </sch:rule>
    </sch:pattern>
```

## 2.97 - ./Rules/nonICmarkings/ISM\_ID\_00148.sch

Rule Description: ISM-ID-00148 [ISM-ID-00148][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which has attribute ism:nonICmarkings specified with a value containing the token [LES] or [LES-NF], we make sure 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00148" is-a="MutuallyExclusiveAttributeValues">

    <sch:param name="context"
        value="*[$ISM_CAPCO_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_CAPCO_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>
```

## 2.98 - ./Rules/resourceElement/ISM\_ID\_00149.sch

Rule Description: ISM-ID-00149 [ISM-ID-00149][Error] If ISM\_CAPCO\_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] THEN the ISM\_RESOURCE\_ELEMENT must have nonICmarkings containing [LES-NF] Human Readable: Unclassified USA documents having LES-NF must have LES-NF at the resource level.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_CAPCO\_RESOURCE, the ISM\_RESOURCE\_ELEMENT specifies attribute ism:classification with a value of \$resourceElementClassification, and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00149" is-
a="AttributeContributesToRollupWithClassification">

    <sch:param name="attrLocalName" value="nonICmarkings"/>
    <sch:param name="value" value="LES-NF"/>
    <sch:param name="resourceElementClassification" value="U"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00149][Error] Unclassified USA
documents having LES-NF data must have LES-NF at the resource level.'"/>
</sch:pattern>
```

## 2.99 - ./Rules/notice/ISM\_ID\_00150.sch

Rule Description: ISM-ID-00150 [ISM-ID-00150][Error] If ISM\_CAPCO\_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-CAPCO-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], we make sure that an element meeting ISM\_CONTRIBUTES specifies attribute ism:noticeType with a value containing the token [LES].

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-00150">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and not(generate-id(.) =
generate-id($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">
        [ISM-ID-00150][Error] If ISM_CAPCO_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>
```

## 2.100 - ./Rules/notice/ISM\_ID\_00151.sch

Rule Description: ISM-ID-00151 [ISM-ID-00151][Warning] If ISM\_CAPCO\_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-CAPCO-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], we make sure that an element meeting ISM\_CONTRIBUTES specifies attribute ism:nonICmarkings with a value containing the token [LES].

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-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>
```

## 2.101 - `./Rules/notice/ISM_ID_00152.sch`

Rule Description: ISM-ID-00152 [ISM-ID-00152][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which meets ISM\_CONTRIBUTES and specifies attribute `ism:nonICmarkings` with a value containing the token [LES-NF], we make sure 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:
    This document has been approved for Public Release and is
    available for use without restriction.
-->
<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>
```

## 2.102 - ./Rules/notice/ISM\_ID\_00153.sch

Rule Description: ISM-ID-00153 [ISM-ID-00153][Error] If ISM\_CAPCO\_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-CAPCO-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], we make sure 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:
    This document has been approved for Public Release and is
    available for use without restriction.
-->
<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>
```



## 2.103 - `./Rules/resourceElement/ISM_ID_00154.sch`

Rule Description: ISM-ID-00154 [ISM-ID-00154][Error] If ISM\_CAPCO\_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\_CAPCO\_RESOURCE and attribute \$attrLocalName of ISM\_RESOURCE\_ELEMENT has a value of [\$value] and attribute ism:compilationReason does not have a value, then we make sure 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-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>
```

## 2.104 - `./Rules/resourceElement/ISM_ID_00155.sch`

Rule Description: ISM-ID-00155 [ISM-ID-00155][Error] If ISM\_CAPCO\_RESOURCE and 1. ISM\_DoD5230\_24\_Applies 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 USA documents that claim compliance with DoD5230.24 must have a distribution statement for the entire document.

Code Description: If the document is an ISM\_CAPCO\_RESOURCE, ISM\_DOD5230\_24\_APPLIES, and the current element is the ISM\_RESOURCE\_ELEMENT, we make sure 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
context="*[$ISM_CAPCO_RESOURCE                                and
$ISM_DOD5230_24_APPLIES                                and generate-id(.) = generate-
id($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">
            [ISM-ID-00155][Error] All USA documents that claim compliance
with DoD5230.24 must have a distribution statement
            for the entire document.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.105 - ./Rules/notice/ISM\_ID\_00157.sch

Rule Description: ISM-ID-00157 [ISM-ID-00157][Error] If ISM\_CAPCO\_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-CAPCO-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], we make sure 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
context="*[$ISM_CAPCO_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">
        [ISM-ID-00157][Error] If ISM_CAPCO_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>
```

## 2.106 - ./Rules/notice/ISM\_ID\_00158.sch

Rule Description: ISM-ID-00158 [ISM-ID-00158][Error] If ISM\_CAPCO\_RESOURCE and: 1. ISM\_DoD5230\_24\_Applies 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 documents that claim compliance with DoD5230.24 must use one of DoD distribution statements B, C, D, E, or F.

Code Description: If the document is an ISM-CAPCO-RESOURCE and ISM\_DOD5230\_24\_APPLIES and the attribute classification of ISM\_RESOURCE\_ELEMENT is not [U], then we make sure 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:
    This document has been approved for Public Release and is
    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00158">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
$ISM_DOD5230_24_APPLIES                                and generate-id(.) = generate-
id($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">
        [ISM-ID-00158][Error] If ISM_CAPCO_RESOURCE and:
        1. ISM_DoD5230_24_Applies
        AND
        2. attribute classification of ISM_RESOURCE_ELEMENT is not [U]
        AND
        3. The 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 documents that claim compliance
        with DoD5230.24 must use one of DoD
        distribution statements B, C, D, E, or F.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.107 - ./Rules/notice/ISM\_ID\_00159.sch

Rule Description: ISM-ID-00159 [ISM-ID-00159][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE and the attribute classification of ISM\_RESOURCE\_ELEMENT is not [U], for each element which specifies attribute ism:noticeType we make sure 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:
      This document has been approved for Public Release and is
available for use without restriction.
-->
<sch:pattern id="ISM-ID-00159">

      <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
not($ISM_RESOURCE_ELEMENT/@ism:classification = 'U')]">
      <sch:assert
test="not(util:containsAnyOfTheTokens(@ism:noticeType, ('DoD-Dist-
A'))))
      or (@ism:externalNotice=true())"
      flag="error">
      [ISM-ID-00159][Error] If ISM_CAPCO_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>
```

## 2.108 - ./Rules/notice/ISM\_ID\_00161.sch

Rule Description: ISM-ID-00161 [ISM-ID-00161][Error] If ISM\_CAPCO\_RESOURCE and: 1. The attribute notice of ISM\_RESOURCE\_ELEMENT does contains [DoD-Dist-A] and does not have attribute externalNotice with a value of [true]. AND 2. attribute nonICmarkings contains any of [XD], [ND], [SBU], [SBU-NF], [LES], OR [LES-NF]. Human Readable: Distribution statement A (Public Release) is incompatible with [XD], [ND], [SBU], [SBU-NF], [LES], OR [LES-NF].

Code Description: If the document is an ISM-CAPCO-RESOURCE and the attribute noticeType of ISM\_RESOURCE\_ELEMENT contains the token [DoD-Dist-A] and does not have attribute externalNotice with a value of [true], for each element which specifies attribute ism:nonICmarkings we make sure that attribute ism:nonICmarkings does not contain any of the following tokens: [XD], [ND], [SBU], [SBU-NF], [LES], [LES-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-00161">

    <sch:rule context="*[$ISM_CAPCO_RESOURCE      and
(util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/@ism:noticeType, ('DoD-
Dist-A'))))      and not (@ism:externalNotice=true())]">
        <sch:assert
test="not(util:containsAnyOfTheTokens(@ism:nonICmarkings, ('XD', 'ND', 'SBU',
'SBU-NF', 'LES', 'LES-NF')))"
                                flag="error">
            [ISM-ID-00161][Error] Distribution statement A (Public Release)
is incompatible with [XD], [ND], [SBU], [SBU-NF], [LES], OR [LES-NF].
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.109 - ./Rules/resourceElement/ISM\_ID\_00162.sch

Rule Description: ISM-ID-00162 [ISM-ID-00162][Error] If ISM\_CAPCO\_RESOURCE and 1. ISM\_DoD5230\_24\_Applies 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 USA documents that claim compliance with DoD5230.24 must have only 1 distribution statement for the entire document.

Code Description: If the document is an ISM\_CAPCO\_RESOURCE, ISM\_DOD5230\_24\_APPLIES, and the current element is the ISM\_RESOURCE\_ELEMENT, we make sure 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:
    This document has been approved for Public Release and is
    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00162">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
$ISM_DOD5230_24_APPLIES                                and generate-id(.) = generate-
id($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">
            [ISM-ID-00162][Error] All USA documents that claim compliance
            with DoD5230.24 must have only 1 distribution statement
            for the entire document.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.110 - ./Rules/nonUSControls/ISM\_ID\_00163.sch

Rule Description: ISM-ID-00163 [ISM-ID-00163][Error] If attribute nonUSControls exists the attribute ownerProducer must equal [NATO]. Human Readable: NATO is the only owner of classification markings for which nonUSControls are currently authorized.

Code Description: For each element which specifies attribute ism:nonUSControls, we make sure that attribute ism:nonUSControls is specified with a value of [NATO].

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-00163">

    <sch:rule context="*[@ism:nonUSControls]">
        <sch:assert test="normalize-
space(string(@ism:ownerProducer))='NATO'" flag="error">
    [ISM-ID-00163][Error] If attribute nonUSControls exists the
attribute
    ownerProducer must equal [NATO].

    Human Readable: NATO is the only owner of classification markings
    for which nonUSControls are currently authorized.
        </sch:assert>
    </sch:rule>
    </sch:pattern>
```



## 2.111 - `./Rules/disseminationControls/ISM_ID_00164.sch`

Rule Description: ISM-ID-00164 [ISM-ID-00164][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [RS] we make sure that attribute ism:classification is not specified with a value of [TS] or [S].

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-00164">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
util:containsAnyOfTheTokens(@ism:disseminationControls, ('RS'))]">
        <sch:assert test="@ism:classification=('TS', 'S')"
flag="error">
            [ISM-ID-00164][Error] If ISM_CAPCO_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>
```

## 2.112 - ./Rules/resourceElement/ISM\_ID\_00165.sch

Rule Description: ISM-ID-00165 [ISM-ID-00165][Error] If ISM\_CAPCO\_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\_CAPCO\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure that the ISM\_RESOURCE\_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$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-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>
```

## 2.113 - `./Rules/generalConstraints/ISM_ID_00166.sch`

Rule Description: ISM-ID-00166 [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`, we make sure that the value of `ism:classification` has not been deprecated (as indicated by `ism:deprecated` in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, 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-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:pattern>
```

## 2.114 - ./Rules/displayOnlyTo/ISM\_ID\_00167.sch

Rule Description: ISM-ID-00167 [ISM-ID-00167][Error] If ISM\_CAPCO\_RESOURCE and attribute displayOnlyTo is specified, then each of its values must be ordered in accordance with CVEnumISMRelTo.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-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_CAPCO_RESOURCE and attribute displayOnlyTo is specified,      then each
of its values must be ordered in accordance with CVEnumISMRelTo.xml.      " />
    </sch:pattern>
```

## 2.115 - ./Rules/displayOnlyTo/ISM\_ID\_00168.sch

Rule Description: ISM-ID-00168 [ISM-ID-00168][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE and attribute ism:disseminationControls does not contain the token [DISPLAYONLY], we make sure that the attribute ism:displayOnlyTo 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-00168">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
not(util:containsAnyOfTheTokens(@ism:disseminationControls,
('DISPLAYONLY')))]">
    <sch:assert test="not(@ism:displayOnlyTo)" flag="error">
        [ISM-ID-00168][Error] If ISM_CAPCO_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>
```

## 2.116 - `./Rules/disseminationControls/ISM_ID_00169.sch`

Rule Description: ISM-ID-00169 [ISM-ID-00169][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [DISPLAYONLY], [RELIDO] or [NF], we make sure 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00169" is-a="MutuallyExclusiveAttributeValues">

    <sch:param name="context"

value="*[$ISM_CAPCO_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_CAPCO_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>
```

## 2.117 - `./Rules/generalConstraints/ISM_ID_00170.sch`

Rule Description: ISM-ID-00170 [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`, we make sure that the value of `ism:classification` has not been deprecated (as indicated by `ism:deprecated` in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<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:pattern>
```

## 2.118 - `./Rules/resourceElement/ISM_ID_00171.sch`

Rule Description: ISM-ID-00171 [ISM-ID-00171][Warning] If ISM\_CAPCO\_RESOURCE and displayOnlyTo is specified on the resource element then all classified portions must specify displayOnlyTo. Human Readable: USA documents having DISPLAYONLY data at the resource level must have all classified portions authorized for DISPLAYONLY.

Code Description: If the document is an ISM\_CAPCO\_RESOURCE, the current element is the ISM\_RESOURCE\_ELEMENT, and the ISM\_RESOURCE\_ELEMENT specifies attribute ism:displayOnlyTo, then we make sure that all elements which specify attribute ism:classification with a value other than [U] also specify the attribute ism:displayOnlyTo.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00171">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($ISM_RESOURCE_ELEMENT)                            and
@ism:displayOnlyTo]">
        <sch:assert test="every $ele in /*
satisfies                $ele/@ism:classification[normalize-space() =
'U'] or $ele/@ism:displayOnlyTo"
                                flag="warning">
            [ISM-ID-00171][Warning] If ISM_CAPCO_RESOURCE and displayOnlyTo
is specified on
            the resource element then all classified portions must specify
displayOnlyTo.

            Human Readable: USA documents having DISPLAYONLY data at the
resource level
            must have all classified portions authorized for DISPLAYONLY.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```



## 2.119 - .//Rules/atomicEnergyMarkings/ISM\_ID\_00173.sch

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

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which has attribute ism:atomicEnergyMarkings specified with a value containing a token starting with [RD-SG] or [FRD-SG], we make sure that the attribute ism:classification has a value of [TS], [S], or [C].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00173">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
util:containsAnyTokenMatching(@ism:atomicEnergyMarkings, ('^RD-SG', '^FRD-
SG'))]">

        <sch:assert test="@ism:classification =
('TS','S','C')" flag="error">
            [ISM-ID-00173][Error] If ISM_CAPCO_RESOURCE and attribute
            atomicEnergyMarkings contains a name token starting with
            [RD-SG] or [FRD-SG], then attribute classification must
            have a value of [TS], [S], or [C].

            Human Readable: Portions in a USA document that contain RD or FRD
SIGMA
            data must be marked CONFIDENTIAL, SECRET, or TOP SECRET.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.120 - `./Rules/atomicEnergyMarkings/ISM_ID_00174.sch`

Rule Description: ISM-ID-00174 [ISM-ID-00174][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which has attribute ism:atomicEnergyMarkings specified with a value containing the token [RD], [FRD], or [TFNI], we make sure that the attribute ism:classification has a value of [TS], [S], or [C].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00174">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD', 'FRD',
'TFNI'))]">

        <sch:assert test="@ism:classification =
('TS','S','C')" flag="error">
            [ISM-ID-00174][Error] If ISM_CAPCO_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>
```

## 2.121 - `./Rules/atomicEnergyMarkings/ISM_ID_00175.sch`

Rule Description: ISM-ID-00175 [ISM-ID-00175][Error] If ISM\_CAPCO\_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-CAPCO-RESORUCE, for each element which has attribute ism:atomicEnergyMarkings specified with a value containing the token [RD-CNWDI], we make sure that the attribute ism:classification has a value of [TS] or [S].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00175">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD-CNWDI'))]">
        <sch:assert test="@ism:classification =
('TS','S')" flag="error">
            [ISM-ID-00175][Error] If ISM-CAPCO-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>
```

## 2.122 - `./Rules/atomicEnergyMarkings/ISM_ID_00176.sch`

Rule Description: ISM-ID-00176 [ISM-ID-00176][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which has attribute ism:atomicEnergyMarkings specified with a value containing the token [RD] or [FRD], we make sure that the resourceElement does not have attributes ism:declassDate or ism:declassEvent specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00176">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD', 'FRD'))]">
    <sch:assert test="not($ISM_RESOURCE_ELEMENT/
@ism:declassDate or $ISM_RESOURCE_ELEMENT/@ism:declassEvent)"
    flag="error">
        [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>
```

## 2.123 - `./Rules/atomicEnergyMarkings/ISM_ID_00178.sch`

Rule Description: ISM-ID-00178 [ISM-ID-00178][Error] If ISM\_CAPCO\_RESOURCE and attribute atomicEnergyMarkings is specified, then each of its values must be ordered in accordance with CVEnumISMAAtomicEnergyMarkings.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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available for use without restriction.
-->
<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_CAPCO_RESOURCE and attribute atomicEnergyMarkings is specified, then
each of its values must be ordered in accordance with
CVEnumISMAAtomicEnergyMarkings.xml. ' "/>
      </sch:pattern>
```

## 2.124 - `./Rules/generalConstraints/ISM_ID_00179.sch`

Rule Description: ISM-ID-00179 [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`, we make sure that the value of `ism:disseminationControls` has not been deprecated (as indicated by `ism:deprecated` in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, 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-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:pattern>
```

## 2.125 - `./Rules/generalConstraints/ISM_ID_00180.sch`

Rule Description: ISM-ID-00180 [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`, we make sure that the value of `ism:disseminationControls` has not been deprecated (as indicated by `ism:deprecated` in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<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="CVEnumISMDissem"/>
</sch:pattern>
```

## 2.126 - `./Rules/atomicEnergyMarkings/ISM_ID_00181.sch`

Rule Description: ISM-ID-00181 [ISM-ID-00181][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which has attribute ism:atomicEnergyMarkings specified and has attribute ism:classification specified with a value other than [U], we make sure that attribute ism:atomicEnergyMarkings does not contain the token [UCNI] or [DNCI].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00181">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                and
@ism:atomicEnergyMarkings                and
not(@ism:classification='U')]">
        <sch:assert
test="not(util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('UCNI',
'DCNI')))"
                                flag="error">
            [ISM-ID-00181][Error] If ISM_CAPCO_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>
```



## 2.127 - `./Rules/atomicEnergyMarkings/ISM_ID_00183.sch`

Rule Description: ISM-ID-00183 [ISM-ID-00183][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which has attribute ism:atomicEnergyMarkings specified with a value containing a token starting with [RD-SG], we make sure that attribute ism:atomicEnergyMarkings also contains the token [RD].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00183">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                        and
util:containsAnyTokenMatching(@ism:atomicEnergyMarkings, ('^RD-SG'))]">
        <sch:assert
test="util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD'))"
        flag="error">
            [ISM-ID-00183][Error] If ISM_CAPCO_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>
```

## 2.128 - `./Rules/atomicEnergyMarkings/ISM_ID_00184.sch`

Rule Description: ISM-ID-00184 [ISM-ID-00184][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which has attribute ism:atomicEnergyMarkings specified with a value containing a token starting with [FRD-SG], we make sure that attribute ism:atomicEnergyMarkings also contains the token [FRD].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00184">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyTokenMatching(@ism:atomicEnergyMarkings, ('^FRD-SG'))]">
        <sch:assert
test="util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('FRD'))"
        flag="error">
            [ISM-ID-00184][Error] If ISM_CAPCO_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>
```

## 2.129 - `./Rules/atomicEnergyMarkings/ISM_ID_00185.sch`

Rule Description: ISM-ID-00185 [ISM-ID-00185][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which has attribute `ism:atomicEnergyMarkings` specified with a value containing the token [RD-CNWDI], we make sure that attribute `ism:atomicEnergyMarkings` also contains the token [RD].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00185">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                        and
util:containsAnyTokenMatching(@ism:atomicEnergyMarkings, ('RD-CNWDI'))]">
        <sch:assert
test="util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD'))"
        flag="error">
            [ISM-ID-00185][Error] If ISM_CAPCO_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>
```

## 2.130 - ./Rules/SClcontrols/ISM\_ID\_00186.sch

**Rule Description:** ISM-ID-00186 [ISM-ID-00186][Error] If ISM\_CAPCO\_RESOURCE and attribute SClcontrols 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-CAPCO-RESOURCE, for each element which specifies attribute ism:SClcontrols with a value containing a token matching [SI-G-XXXX], where X is represented by the regular expression character class [A-Z]{4}, we make sure that attribute ism:SClcontrols is specified with a value containing the token [SI-G].

**Schematron Code:**

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00186">

      <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
util:containsAnyTokenMatching(@ism:SClcontrols, ('^SI-G-[A-Z]{4}'))]">
      <sch:assert
test="util:containsAnyOfTheTokens(@ism:SClcontrols, ('SI-G'))" flag="error">
      [ISM-ID-00186][Error] If ISM_CAPCO_RESOURCE and attribute
SClcontrols 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>
```

## 2.131 - ./Rules/SCIcontrols/ISM\_ID\_00187.sch

**Rule Description:** ISM-ID-00187 [ISM-ID-00187][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [SI-G] we make sure that attribute ism:SCIcontrols is specified with a value containing the token [SI].

**Schematron Code:**

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00187">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:SCIcontrols, ('SI-G'))]">
    <sch:assert
test="util:containsAnyOfTheTokens(@ism:SCIcontrols, ('SI'))" flag="error">
    [ISM-ID-00187][Error] If ISM_CAPCO_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>
```

## 2.132 - `./Rules/generalConstraints/ISM_ID_00188.sch`

Rule Description: ISM-ID-00188 [ISM-ID-00188][Warning] Attribute FGIsorceOpen should not contain any value which will be deprecated.

Code Description: For each element which specifies attribute `ism:FGIsorceOpen`, we make sure that the value of `ism:FGIsorceOpen` has not been deprecated (as indicated by `ism:deprecated` in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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      available for use without restriction.
-->
<sch:pattern id="ISM-ID-00188" is-a="AttributeValueDeprecatedWarning">

      <sch:param name="ruleId" value="'ISM-ID-00188'"/>
      <sch:param name="context" value="*[@ism:FGIsorceOpen]"/>
      <sch:param name="attrName" value="FGIsorceOpen"/>
      <sch:param name="cveName" value="CVEEnumISMFGIOpen"/>
</sch:pattern>
```

## 2.133 - `./Rules/generalConstraints/ISM_ID_00189.sch`

Rule Description: ISM-ID-00189 [ISM-ID-00189][Error] Attribute FGIsorceOpen must not contain values that have passed their deprecation date.

Code Description: For each element which specifies attribute `ism:FGIsorceOpen`, we make sure that the value of `ism:FGIsorceOpen` has not been deprecated (as indicated by `ism:deprecated` in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, 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-00189" is-a="AttributeValueDeprecatedError">

    <sch:param name="ruleId" value="'ISM-ID-00189'"/>
    <sch:param name="context" value="*[@ism:FGIsorceOpen]"/>
    <sch:param name="attrName" value="FGIsorceOpen"/>
    <sch:param name="cveName" value="CVEEnumISMFGIOpen"/>
</sch:pattern>
```

## 2.134 - `./Rules/generalConstraints/ISM_ID_00190.sch`

Rule Description: ISM-ID-00190 [ISM-ID-00190][Warning] Attribute FGIsSourceProtected should not contain any values which will be deprecated.

Code Description: For each element which specifies attribute `ism:FGIsSourceProtected`, we make sure that the value of `ism:FGIsSourceProtected` has not been deprecated (as indicated by `ism:deprecated` in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00190" is-a="AttributeValueDeprecatedWarning">

    <sch:param name="ruleId" value="'ISM-ID-00190'"/>
    <sch:param name="context"
value="*[@ism:FGIsSourceProtected]"/>
    <sch:param name="attrName" value="FGIsSourceProtected"/>
    <sch:param name="cveName" value="CVEEnumISMFGIProtected"/>
</sch:pattern>
```



## 2.135 - `./Rules/generalConstraints/ISM_ID_00191.sch`

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

Code Description: For each element which specifies attribute `ism:FGIsSourceProtected`, we make sure that the value of `ism:FGIsSourceProtected` has not been deprecated (as indicated by `ism:deprecated` in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, 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-00191" is-a="AttributeValueDeprecatedError">

    <sch:param name="ruleId" value="'ISM-ID-00191'"/>
    <sch:param name="context"
value="*[@ism:FGIsSourceProtected]"/>
    <sch:param name="attrName" value="FGIsSourceProtected"/>
    <sch:param name="cveName" value="CVERenumISMFGIProtected"/>
</sch:pattern>
```

## 2.136 - `./Rules/generalConstraints/ISM_ID_00192.sch`

Rule Description: ISM-ID-00192 [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`, we make sure that the value of `ism:nonICmarkings` has not been deprecated (as indicated by `ism:deprecated` in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, 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-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:pattern>
```

## 2.137 - `./Rules/generalConstraints/ISM_ID_00193.sch`

Rule Description: ISM-ID-00193 [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`, we make sure that the value of `ism:nonICmarkings` has not been deprecated (as indicated by `ism:deprecated` in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<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="CVEnumISMNonIC"/>

</sch:pattern>
```

## 2.138 - `./Rules/generalConstraints/ISM_ID_00194.sch`

Rule Description: ISM-ID-00194 [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`, we make sure that the value of `ism:noticeType` has not been deprecated (as indicated by `ism:deprecated` in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<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:pattern>
```

## 2.139 - `./Rules/generalConstraints/ISM_ID_00195.sch`

Rule Description: ISM-ID-00195 [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`, we make sure that the value of `ism:noticeType` has not been deprecated (as indicated by `ism:deprecated` in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<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:pattern>
```

## 2.140 - ./Rules/generalConstraints/ISM\_ID\_00196.sch

Rule Description: ISM-ID-00196 [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, we make sure that the value of ism:ownerProducer has not been deprecated (as indicated by ism:deprecated in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, 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-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="CVEnumISMOwnerProducer"/>
    </sch:pattern>
```

## 2.141 - `./Rules/generalConstraints/ISM_ID_00197.sch`

Rule Description: ISM-ID-00197 [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`, we make sure that the value of `ism:ownerProducer` has not been deprecated (as indicated by `ism:deprecated` in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, 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="CVEnumISMOwnerProducer"/>
    </sch:pattern>
```

## 2.142 - ./Rules/generalConstraints/ISM\_ID\_00198.sch

Rule Description: ISM-ID-00198 [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, we make sure that the value of ism:releasableTo has not been deprecated (as indicated by ism:deprecated in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, 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-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="CVEnumISMRelTo"/>

</sch:pattern>
```



## 2.143 - ./Rules/generalConstraints/ISM\_ID\_00199.sch

Rule Description: ISM-ID-00199 [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, we make sure that the value of ism:releasableTo has not been deprecated (as indicated by ism:deprecated in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, 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-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="CVEnumISMRelTo"/>

</sch:pattern>
```

## 2.144 - ./Rules/generalConstraints/ISM\_ID\_00200.sch

Rule Description: ISM-ID-00200 [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, we make sure that the value of ism:displayOnlyTo has not been deprecated (as indicated by ism:deprecated in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, 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-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="CVEnumISMRelTo"/>
</sch:pattern>
```

## 2.145 - `./Rules/generalConstraints/ISM_ID_00201.sch`

Rule Description: ISM-ID-00201 [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`, we make sure that the value of `ism:displayOnlyTo` has not been deprecated (as indicated by `ism:deprecated` in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, 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-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="CVEnumISMRelTo"/>

</sch:pattern>
```

## 2.146 - ./Rules/generalConstraints/ISM\_ID\_00202.sch

Rule Description: ISM-ID-00202 [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, we make sure that the value of ism:SARIdentifier has not been deprecated (as indicated by ism:deprecated in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<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:pattern>
```

## 2.147 - ./Rules/generalConstraints/ISM\_ID\_00203.sch

Rule Description: ISM-ID-00203 [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, we make sure that the value of ism:SARIdentifier has not been deprecated (as indicated by ism:deprecated in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<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:pattern>
```

## 2.148 - `./Rules/generalConstraints/ISM_ID_00204.sch`

Rule Description: ISM-ID-00204 [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`, we make sure that the value of `ism:SCIcontrols` has not been deprecated (as indicated by `ism:deprecated` in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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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:pattern>
```

## 2.149 - ./Rules/generalConstraints/ISM\_ID\_00205.sch

Rule Description: ISM-ID-00205 [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, we make sure that the value of ism:SCIcontrols has not been deprecated (as indicated by ism:deprecated in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<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:pattern>
```

## 2.150 - `./Rules/generalConstraints/ISM_ID_00206.sch`

Rule Description: ISM-ID-00206 [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`, we make sure that the value of `ism:declassException` has not been deprecated (as indicated by `ism:deprecated` in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<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="CVEEnumISM25X"/>
</sch:pattern>
```



## 2.151 - `./Rules/generalConstraints/ISM_ID_00207.sch`

Rule Description: ISM-ID-00207 [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`, we make sure that the value of `ism:declassException` has not been deprecated (as indicated by `ism:deprecated` in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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      available for use without restriction.
-->
<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="CVEEnumISM25X"/>
</sch:pattern>
```

## 2.152 - `./Rules/generalConstraints/ISM_ID_00208.sch`

Rule Description: ISM-ID-00208 [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`, we make sure that the value of `ism:atomicEnergyMarkings` has not been deprecated (as indicated by `ism:deprecated` in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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      available for use without restriction.
-->
<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="CVEEnumISMAtomicEnergyMarkings"/>
      </sch:pattern>
```

## 2.153 - `./Rules/generalConstraints/ISM_ID_00209.sch`

Rule Description: ISM-ID-00209 [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`, we make sure that the value of `ism:atomicEnergyMarkings` has not been deprecated (as indicated by `ism:deprecated` in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, 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-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:pattern>
```

## 2.154 - `./Rules/generalConstraints/ISM_ID_00210.sch`

Rule Description: ISM-ID-00210 [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`, we make sure that the value of `ism:nonUSControls` has not been deprecated (as indicated by `ism:deprecated` in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, 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-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:pattern>
```

## 2.155 - `./Rules/generalConstraints/ISM_ID_00211.sch`

Rule Description: ISM-ID-00211 [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`, we make sure that the value of `ism:nonUSControls` has not been deprecated (as indicated by `ism:deprecated` in the CVE file). If the value will be deprecated in the future, then a deprecation warning will be given. If the value has already been deprecated, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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      available for use without restriction.
-->
<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:pattern>
```

## 2.156 - `./Rules/disseminationControls/ISM_ID_00213.sch`

Rule Description: ISM-ID-00213 [ISM-ID-00213][Error] If ISM\_CAPCO\_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-CAPCO-RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [DISPLAYONLY] we make sure that attribute ism:displayOnlyTo is specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00213">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
util:containsAnyOfTheTokens(@ism:disseminationControls, ('DISPLAYONLY'))]">
    <sch:assert test="@ism:displayOnlyTo" flag="error">
        [ISM-ID-00213][Error] If ISM_CAPCO_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>
```

## 2.157 - `./Rules/releasableTo/ISM_ID_00214.sch`

Rule Description: ISM-ID-00214 [ISM-ID-00214][Error] If ISM\_CAPCO\_RESOURCE then attribute releasableTo must start with [USA].

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which specifies attribute releasableTo we make sure that attribute releasableTo is specified with a value that starts with the token [USA].

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-00214">

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

## 2.158 - `./Rules/FGIsourceProtected/ISM_ID_00217.sch`

Rule Description: ISM-ID-00217 [ISM-ID-00217][Error] If ISM\_CAPCO\_RESOURCE attribute FGIsourceProtected contains [FGI], it must be the only value.

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which specifies the attribute `ism:FGIsourceProtected`, we make sure that attribute `ism:FGIsourceProtected` contains only 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-00217">

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



## 2.159 - `./Rules/ownerProducer/ISM_ID_00219.sch`

**Rule Description:** ISM-ID-00219 [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], we make sure 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 context="*[not(generate-id(.) = generate-
id($ISM_RESOURCE_ELEMENT))
                                and
not(@ism:excludeFromRollup=true())
                                and
util:containsAnyOfTheTokens(@ism:ownerProducer, ('FGI'))]">
      <sch:assert
test="util:containsAnyOfTheTokens(@ism:FGIsourceProtected, ('FGI'))"
      flag="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>
```

## 2.160 - `./Rules/derivativelyClassifiedBy/ISM_ID_00221.sch`

Rule Description: ISM-ID-00221 [ISM-ID-00221][Error] If ISM\_CAPCO\_RESOURCE and attribute derivativelyClassifiedBy is specified, then attribute classificationReason must not be specified. Human Readable: USA documents that are derivatively classified must not specify a classification reason.

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which specifies attribute ism:derivativelyClassifiedBy we make sure that attribute ism:classificationReason 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-00221">

    <sch:rule context="*[$ISM_CAPCO_RESOURCE and
@ism:derivativelyClassifiedBy]">
        <sch:assert test="not(@ism:classificationReason)"
flag="error">
            [ISM-ID-00221][Error] If ISM_CAPCO_RESOURCE and attribute
            derivativelyClassifiedBy is specified, then attribute
classificationReason
            must not be specified.

            Human Readable: USA documents that are derivatively classified
must not
            specify a classification reason.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.161 - `./Rules/compliesWith/ISM_ID_00222.sch`

Rule Description: ISM-ID-00222 [ISM-ID-00222][Error] If ISM\_INTELREPORT\_APPLIES, then attribute pocType must be specified with a value of [ICD-710] on some element in the document. Human Readable: A document claiming compliance with ICD-710 must specify a point-of-contact to whom questions about the document can be directed.

Code Description: If ISM\_INTELREPORT\_APPLIES, then ensure that some element specifies attribute ism:pocType with a value of [ICD-710].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00222">

    <sch:rule context="/*[$ISM_INTELREPORT_APPLIES]">
        <sch:assert test="index-of($partPocType_tok, 'ICD-710')
        > 0" flag="error">
            [ISM-ID-00222][Error] If ISM_INTELREPORT_APPLIES, then attribute
            pocType
            must be specified with a value of [ICD-710] on some element in the
            document.

            Human Readable: A document claiming compliance with ICD-710 must
            specify
            a point-of-contact to whom questions about the document can be
            directed.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.162 - `./Rules/generalConstraints/ISM_ID_00223.sch`

Rule Description: ISM-ID-00223 [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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    available for use without restriction.
-->
<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>
```

## 2.163 - ./Rules/pocType/ISM\_ID\_00224.sch

Rule Description: ISM-ID-00224 [ISM-ID-00224][Error] If ISM\_CAPCO\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document has the attribute disseminationControls containing [OC], then the attribute @ism:pocType with value [ORCON] must be specified on some element in the document. Human Readable: In accordance with the ORCON Memo dated March 11, 2011, USA documents containing ORIGINATOR CONTROLLED data must specify a point-of-contact to whom adjudication decisions about those data can be directed.

Code Description: If the document is an ISM-CAPCO-RESOURCE and the ISM\_RESOURCE\_ELEMENT specifies attribute disseminationControls with a value containing the token [OC] and the ISM\_RESOURCE\_ELEMENT specifies the attribute createDate with a date equal to or greater than the ISM\_ORCON\_POC\_DATE, we make sure that an element meeting ISM\_CONTRIBUTES specifies the attribute ism:pocType with a value containing the token [ORCON].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00224">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-
id(.)=generate-id($ISM_RESOURCE_ELEMENT)                                and
$ISM_RESOURCE_CREATE_DATE > $ISM_ORCON_POC_DATE
and $bannerDisseminationControls_tok='OC']">
        <sch:assert test="$partPocType_tok='ORCON'" flag="error">
[ISM-ID-00224][Error] If ISM_CAPCO_RESOURCE and any element
meeting ISM_CONTRIBUTES
    in the document has the attribute disseminationControls
containing [OC], then the
        attribute @ism:pocType with value [ORCON] must be specified on
some element in the document.

        Human Readable: In accordance with the ORCON Memo dated March 11,
2011,
        USA documents containing ORIGINATOR CONTROLLED data must specify
a
        point-of-contact to whom adjudication decisions about those data
can be
        directed.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.164 - `./Rules/nonICmarkings/ISM_ID_00225.sch`

Rule Description: ISM-ID-00225 [ISM-ID-00225][Error] If ISM-ICDOCUMENT-APPLIES, 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 claim compliance with IC rules.

Code Description: If ISM\_ICDOCUMENT\_APPLIES, for each element which has attribute ism:nonICmarkings specified, we make sure 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00225">

    <sch:rule context="*[$ISM_ICDOCUMENT_APPLIES and
@ism:nonICmarkings]">
        <sch:assert
test="not(util:containsAnyTokenMatching(@ism:nonICmarkings, ('ACCM',
'NNPI')))"
                                flag="error">
            [ISM-ID-00225][Error] If ISM-ICDOCUMENT-APPLIES, 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 claim
            compliance with IC rules.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.165 - `./Rules/generalConstraints/ISM_ID_00226.sch`

Rule Description: ISM-ID-00226 [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, we make sure that `ism:unregisteredNoticeType` is not specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00226">

    <sch:rule context="*[@ism:noticeType]">
        <sch:assert flag="error"
test="not(@ism:unregisteredNoticeType)">
            [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>
```

## 2.166 - `./Rules/resourceElement/ISM_ID_00227.sch`

Rule Description: ISM-ID-00227 [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, we make sure 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00227">

    <sch:rule 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-[ABCDEFGX]')"
            flag="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>
```



## 2.167 - `./Rules/resourceElement/ISM_ID_00228.sch`

Rule Description: ISM-ID-00228 [ISM-ID-00228][Error] If ISM\_CAPCO\_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\_CAPCO\_RESOURCE, the current element is the ISM\_RESOURCE\_ELEMENT, and attribute ism:atomicEnergyMarkings is specified with a value containing the value [FRD], then we make sure 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00228">

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

## 2.168 - ./Rules/resourceElement/ISM\_ID\_00229.sch

Rule Description: ISM-ID-00229 [ISM-ID-00229][Error] If ISM\_CAPCO\_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\_CAPCO\_RESOURCE, the current element is the ISM\_RESOURCE\_ELEMENT, and attribute ism:atomicEnergyMarkings is specified with a value containing the value [RD], then we make sure 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00229">

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

## 2.169 - `./Rules/resourceElement/ISM_ID_00230.sch`

Rule Description: ISM-ID-00230 [ISM-ID-00230][Error] If ISM\_CAPCO\_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\_CAPCO\_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 we make sure 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00230">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($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">
            [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>
```

## 2.170 - `./Rules/resourceElement/ISM_ID_00231.sch`

Rule Description: ISM-ID-00231 [ISM-ID-00231][Error] If ISM\_CAPCO\_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-## data, where ## is the same.

Code Description: If the document is an ISM\_CAPCO\_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 we make sure that some element meeting ISM\_CONTRIBUTES specifies attribute ism:atomicEnergyMarkings with a value containing a token matching the same [RD-SG-##].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00231">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($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"
                flag="error">
            [ISM-ID-00231][Error] USA documents marked RD-SG-## at the resource
level must have RD-SG-## data, where ## is the same.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.171 - ./Rules/FGIsourceOpen/ISM\_ID\_00233.sch

Rule Description: ISM-ID-00233 [ISM-ID-00233][Error] If ISM\_CAPCO\_RESOURCE, then any portion with attribute FGIsourceOpen specified and an ownerProducer containing [USA] must not have attribute disseminationControls containing [DISPLAYONLY] or [RELIDO]. Human Readable: DISPLAYONLY and RELIDO are not authorized for use on portions containing Foreign Government Information.

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which is not the ISM\_RESOURCE\_ELEMENT, has attribute ism:FGIsourceOpen specified, has attribute ism:disseminationControls specified, and has attribute ism:ownerProducer specified with a value containing the token [USA], we make sure that attribute ism:disseminationControls does not contain the token [DISPLAYONLY] or [RELIDO].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00233">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and not(generate-id(.) =
generate-id($ISM_RESOURCE_ELEMENT))                            and
@ism:FGIsourceOpen                                             and
util:containsAnyOfTheTokens(@ism:ownerProducer, ('USA'))]">
    <sch:assert
test="not(util:containsAnyOfTheTokens(@ism:disseminationControls,
('DISPLAYONLY', 'RELIDO')))"
    flag="error">
        [ISM-ID-00233][Error] If ISM_CAPCO_RESOURCE, then any portion
with
        attribute FGIsourceOpen specified and an ownerProducer containing
[USA]
        must not have attribute disseminationControls containing
[DISPLAYONLY]
        or [RELIDO].

        Human Readable: DISPLAYONLY and RELIDO are not authorized for use
on portions
        containing Foreign Government Information.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.172 - `./Rules/FGIsourceProtected/ISM_ID_00234.sch`

**Rule Description:** ISM-ID-00234 [ISM-ID-00234][Error] If ISM\_CAPCO\_RESOURCE, then any portion with attribute FGIsourceProtected specified and an ownerProducer containing [USA] must not have attribute disseminationControls containing token [RELIDO] or [DISPLAYONLY].  
**Human Readable:** RELIDO and DISPLAYONLY are not authorized for use on portions containing Foreign Government Information.

**Code Description:** If the document is an ISM-CAPCO-RESOURCE, for each element which is not the ISM\_RESOURCE\_ELEMENT, has attribute ism:FGIsourceProtected specified, has attribute ism:disseminationControls specified, and has attribute ism:ownerProducer specified with a value containing the token [USA], we make sure that attribute ism:disseminationControls does not contain the token [DISPLAYONLY] or [DISPLAYONLY].

**Schematron Code:**

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00234">

    <sch:rule context="*[$ISM_CAPCO_RESOURCE
and not(generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT))
and @ism:FGIsourceProtected          and
util:containsAnyOfTheTokens(@ism:ownerProducer,('USA'))  ]">
    <sch:assert
test="not(util:containsAnyOfTheTokens(@ism:disseminationControls,('RELIDO',
'DISPLAYONLY')))"
    flag="error">
        [ISM-ID-00234][Error] If ISM_CAPCO_RESOURCE, then any portion with
        attribute FGIsourceProtected specified and an ownerProducer
        containing [USA]
        must not have attribute disseminationControls containing token
        [RELIDO] or [DISPLAYONLY].

        Human Readable: RELIDO and DISPLAYONLY are not authorized for use
        on portions containing
        Foreign Government Information.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.173 - `./Rules/generalConstraints/ISM_ID_00236.sch`

Rule Description: ISM-ID-00236 [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 a CAPCO 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00236">

    <sch:rule context="*[@ism:*)>
    <!-- Define variables -->
    <sch:let name="errMsg_ValueNotFound"
        value="          [ISM-ID-00236][Error] If
ISM_CAPCO_RESOURCE and attribute          ownerProducer contains [USA]
then attribute classification must have a value in
CVEnumISMClassificationUS.xml.'">

        <!-- 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 $attr in ./@ism:* return
if(count(distinct-values(tokenize(string($attr),' '))) !=
count(tokenize(string($attr),' '))) 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($hasDups)" flag="error"> [ISM-
ID-00236][Error] Duplicate tokens
are not permitted in ISM attributes. Duplicate values found:
[<sch:value-of select="$dupValues"/>]</sch:assert>
    </sch:rule>
```

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National Intelligence. See 'Distribution Notice' for details.



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



## 2.174 - ./Rules/notice/ISM\_ID\_00237.sch

Rule Description: ISM-ID-00237 [ISM-ID-00237][Error] If ISM-CAPCO-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-CAPCO-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], we make sure that attribute ism:noticeDate is specified.

Schematron Code:

```
<?ICEA pattern?><sch:pattern id="ISM-ID-00237">

    <sch:rule context="*[$ISM_CAPCO_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">
            [ISM-ID-00237][Error] DoD distribution statements B, C, D ,E ,F,
and X all require a date.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.175 - `./Rules/notice/ISM_ID_00238.sch`

Rule Description: ISM-ID-00238 [ISM-ID-00238][Error] If ISM-CAPCO-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-CAPCO-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], we make sure 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 context="*[$ISM_CAPCO_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">
            [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>
```

## 2.176 - `./Rules/notice/ISM_ID_00239.sch`

Rule Description: ISM-ID-00239 [ISM-ID-00239][Error] If ISM\_CAPCO\_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 that contains any of the following tokens: [FOUO], [PR], [DSEN], or [FISA]. Human Readable: Distribution statement A (Public Release) is incompatible with [FOUO], [PR], [DSEN], and [FISA] for contributing portions.

Code Description: If the document is an ISM-CAPCO-RESOURCE and the attribute noticeType of ISM\_RESOURCE\_ELEMENT contains the token [DoD-Dist-A], for each element which specifies attribute ism:disseminationControls we make sure that attribute ism:disseminationControls does not contain any of the following tokens: [FOUO], [PR], [DSEN], [FISA].

Schematron Code:

```
<?ICEA pattern?><sch:pattern id="ISM-ID-00239">

    <sch:rule context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/@ism:noticeType, ('DoD-Dist-
A')) and not (@ism:excludeFromRollup='true')]">
        <sch:assert test="
not(util:containsAnyOfTheTokens(@ism:disseminationControls, ('FOUO', 'PR',
'DSEN', 'FISA')))"
            flag="error">
            [ISM-ID-00239][Error] If ISM_CAPCO_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 that contains any of the following tokens:
[FOUO], [PR], [DSEN], or [FISA].

            Human Readable: Distribution statement A (Public Release) is
incompatible
            with [FOUO], [PR], [DSEN], and [FISA] for contributing portions.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.177 - ./Rules/notice/ISM\_ID\_00240.sch

Rule Description: ISM-ID-00240 [ISM-ID-00240][Error] If ISM\_CAPCO\_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 that contains any of the following tokens: [DCNI], [UCNI]. Human Readable: Distribution statement A (Public Release) is incompatible with [DCNI] and [UCNI].

Code Description: If the document is an ISM-CAPCO-RESOURCE and the attribute noticeType of ISM\_RESOURCE\_ELEMENT contains the token [DoD-Dist-A], for each element which specifies attribute ism:atomicEnergyMarkings we make sure that attribute ism:atomicEnergyMarkings does not contain any of the following tokens: [DCNI], [UCNI].

Schematron Code:

```
<?ICEA pattern?><sch:pattern id="ISM-ID-00240">

    <sch:rule context="*[$ISM_CAPCO_RESOURCE
and util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/@ism:noticeType, ('DoD-
Dist-A'))
    and not (@ism:excludeFromRollup='true')]">
    <sch:assert
test="not(util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('DCNI',
'UCNI')))"
    flag="error">
[ISM-ID-00240][Error] If ISM_CAPCO_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 that contains any of the following tokens:
[DCNI], [UCNI].

Human Readable: Distribution statement A (Public Release) is
incompatible
with [DCNI] and [UCNI].
</sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.178 - `./Rules/SCIconcontrols/ISM_ID_00241.sch`

Rule Description: ISM-ID-00241 [ISM-ID-00241][Error] If ISM\_CAPCO\_RESOURCE and attribute SCIconcontrols contains the name token [RSV-XXX], then it must also contain the name token [RSV]. Human Readable: A USA document that contains RESEVERE data (RSV) compartment data must also specify that it contains RSV data.

Code Description: If the document is an ISM\_CAPCO\_RESOURCE, for each element which specifies attribute ism:SCIconcontrols with a value containing a token matching the regular expression "RSV-[A-Z0-9]{3}", we make sure that attribute ism:SCIconcontrols is specified with a value containing the token [RSV].

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-00241">

      <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
util:containsAnyTokenMatching(@ism:SCIconcontrols, ('RSV-[A-Z0-9]{3}'))]">
      <sch:assert
test="util:containsAnyOfTheTokens(@ism:SCIconcontrols, ('RSV'))" flag="error">
      [ISM-ID-00241][Error] If ISM_CAPCO_RESOURCE and attribute
SCIconcontrols contains the name token [RSV-XXX],
      then it must also contain the name token [RSV].

      Human Readable: A USA document that contains RESEVERE data (RSV)
compartment data must also specify that
      it contains RSV data.
    </sch:assert>
      </sch:rule>
    </sch:pattern>
```

## 2.179 - ./Rules/SCIcontrols/ISM\_ID\_00242.sch

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

Code Description: If the document is an ISM\_CAPCO\_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [RSV], we make sure 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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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00242">

    <sch:rule context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:SCIcontrols, ('RSV'))]">
        <sch:assert
test="util:containsAnyOfTheTokens(@ism:classification, ('TS', 'S'))"
        flag="error">
            [[ISM-ID-00242][Error] If ISM_CAPCO_RESOURCE and attribute
SCIcontrols contains the name token [RSV],
            then it must also have attribute classificatoin with a value of
[S] or [TS].

            Human Readalbe: A USA document that contains RESERVE data must be
classified SECRET or TOP SECRET.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.180 - `./Rules/SCIcontrols/ISM_ID_00243.sch`

Rule Description: ISM-ID-00243 [ISM-ID-00243][Error] If ISM\_CAPCO\_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\_CAPCO\_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [RSV], we make sure that attribute ism:SCIcontrols is specified with a value containing a token matching the regular expression "RSV-[A-Z0-9]{3}". If CAPCO rules do not apply to the document then the rule does not apply and we return true. If the current element has attribute SCIcontrols specified with a value containing [RSV], then we make sure that attribute SCIcontrols also contains the value [RSV-XXX].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00243">

    <sch:rule context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:SCIcontrols, ('RSV'))]">
        <sch:assert
test="util:containsAnyTokenMatching(@ism:SCIcontrols, ('RSV-[A-Z0-9]{3}'))"
flag="error">
            [ISM-ID-00243][Error] If ISM_CAPCO_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>
```

## 2.181 - ./Rules/notice/ISM\_ID\_00244.sch

Rule Description: ISM-ID-00244 [ISM-ID-00244][Error] If ISM\_CAPCO\_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\_CAPCO\_RESOURCE, for each element meeting ISM\_CONTRIBUTES which specifies attribute ism:atomicEnergyMarkings with a value containing the token [RD-CNWDI], we make sure 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:
    This document has been approved for Public Release and is
    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00244">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
not(@ism:excludeFromRollup=true())                                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">
        [ISM-ID-00244][Error] If ISM_CAPCO_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 data must also have an
        CNWDI notice.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```



## 2.182 - `./Rules/notice/ISM_ID_00245.sch`

Rule Description: ISM-ID-00245 [ISM-ID-00245][WarNING] If ISM\_CAPCO\_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\_CAPCO\_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], we make sure 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:
    This document has been approved for Public Release and is
    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00245">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
not(@ism:excludeFromRollup=true())                                and
(util:containsAnyOfTheTokens(@ism:noticeType,
('CNWDI'))                                and not (@ism:externalNotice=true()))">
    <sch:assert test="index-
of($partAtomicEnergyMarkings_tok, 'RD-CNWDI')>0" flag="warning">
    [ISM-ID-00245][Warning] If ISM_CAPCO_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>
```

## 2.183 - `./Rules/resourceElement/ISM_ID_00246.sch`

Rule Description: ISM-ID-00246 [ISM-ID-00246][Error] If ISM\_CAPCO\_RESOURCE and attribute atomicEnergyMarkings of ISM\_RESOURCE\_ELEMENT contains [RD] or [FRD] 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 containing [RD] or [FRD] data must have declassException containing [AEA] at the resource level.

Code Description: If the document is an ISM\_CAPCO\_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 we make sure that some element meeting ISM\_CONTRIBUTES specifies attribute ism:atomicEnergyMarkings with a value containing a token matching the same [RD-SG-##].

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-00246">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($ISM_RESOURCE_ELEMENT)                            and
util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD','FRD'))]">

        <sch:assert
test="util:containsAnyOfTheTokens(@ism:declassException, ('AEA'))"
flag="error">
            [ISM-ID-00246][Error] USA documents containing [RD] or [FRD] data
            must have declassException containing [AEA] at the resource level.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.184 - ./Rules/pocType/ISM\_ID\_00247.sch

Rule Description: ISM-ID-00247 [ISM-ID-00247][Error] An Originator Controlled contact is not allowed to be mark with disseminationControl [OC]

Code Description: check that any element that has attribute ism:pocType with a ORCON token does not have attribute ism:disseminationControls with a token [OC] 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-00247">

    <sch:rule
context="*[util:containsAnyTokenMatching(@ism:pocType, '^ORCON$')]">
    <sch:assert
test="not(util:containsAnyTokenMatching(@ism:disseminationControls, '^OC$'))"
    flag="error">
        [ISM-ID-00247][Error] An Originator Controlled contact is not
        allowed to be mark with disseminationControl [OC]
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.185 - `./Rules/notice/ISM_ID_00248.sch`

Rule Description: ISM-ID-00248 [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, we make sure that the ISM\_RESOURCE\_ELEMENT does not contain externalNotice set to [true].

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-00248">

    <sch:rule context="*[generate-id(.) = generate-
id($ISM_RESOURCE_ELEMENT)][@ism:externalNotice]">
        <sch:assert
test="not(string(@ism:externalNotice)='true')" flag="error">
    [ISM-ID-00248][Error] ISM_RESOURCE_ELEMENT cannot have
externalNotice set to [true].

    Human Readable: ISM resource elements can not be external notices.
    </sch:assert>
    </sch:rule>
    </sch:pattern>
```

## 2.186 - `./Rules/notice/ISM_ID_00250.sch`

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

Code Description: For element `ism:Notice`

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00250">

    <sch:rule context="ism:Notice[$ISM_CAPCO_RESOURCE]">
        <sch:assert test="@ism:noticeType or
@ism:unregisteredNoticeType" flag="error">
[ISM-ID-00250][Error] If ISM-CAPCO-RESOURCE, element Notice must
specify
        attribute ism:noticeType or ism:unregisteredNoticeType.

        Human Readable: Notices must specify their type.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.187 - `./Rules/notice/ISM_ID_00251.sch`

Rule Description: ISM-ID-00251 [[ISM-ID-00251][Error] If ISM-ICDOCUMENT-APPLIES, then attribute `@ism:noticeType` must not be specified with a value of `[COMSEC]`. Human Readable: COMSEC notices are not valid for documents that claim compliance with IC rules.

Code Description: If `ISM_ICDOCUMENT_APPLIES`, for each element which has attribute `@ism:noticeType` specified, we make sure that attribute `@ism:noticeType` is not specified with a value containing token `[COMSEC]`.

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-00251">

    <sch:rule context="*[$ISM_ICDOCUMENT_APPLIES and
@ism:noticeType]">
        <sch:assert
test="not(util:containsAnyTokenMatching(@ism:noticeType, 'COMSEC'))"
            flag="error">
            [ISM-ID-00251][Error] If ISM-ICDOCUMENT-APPLIES, then attribute
            @ism:noticeType must not be specified with a value of [COMSEC].

            Human Readable: COMSEC notices are not valid for documents that
claim
            compliance with IC rules.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 2.188 - `./Rules/nonICmarkings/ISM_ID_00252.sch`

Rule Description: ISM-ID-00252 [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], we make sure that attribute ism:nonICmarkings is not specified with a value containing the token [NNPI].

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-00252">

    <sch:rule 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">
[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>
```

## Chapter 3 - Abstract Patterns

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



### 3.1 - ../Lib/AttributeContributesToRollup.sch

Rule Description: AttributeContributesToRollup

Code Description:

Schematron Code:

```
<sch:pattern abstract="true" id="AttributeContributesToRollup">
    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($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">
    <sch:value-of select="$errorMessage"/>
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

## 3.2 - ./Lib/ AttributeContributesToRollupWithClassification.sch

Rule Description: AttributeContributesToRollupWithClassification

Code Description:

Schematron Code:

```
<sch:pattern abstract="true"
id="AttributeContributesToRollupWithClassification">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($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">
    <sch:value-of select="$errorMessage"/>
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

### 3.3 - ../Lib/AttributeValueDeprecatedError.sch

Rule Description: AttributeValueDeprecatedError

Code Description:

Schematron Code:

```
<sch:pattern abstract="true" id="AttributeValueDeprecatedError">
  <sch:rule context="$context">
    <sch:assert
test="count(      dvf:deprecated(      string(@ism:$attrName),
document(' ../../CVE/ISM/$cveName.xml')//cve:CVE/cve:Enumeration/cve:Term[./
@deprecated],      $ISM_RESOURCE_CREATE_DATE,      true())      )=0"
      flag="error">
      [<sch:value-of select="$ruleId"/>][Error] For attribute
      <sch:value-of select="$attrName"/>, value(s)
      <sch:value-of select="      dvf:deprecated(      string(@ism:
$attrName),      document(' ../../CVE/ISM/$cveName.xml')//cve:CVE/
cve:Enumeration/cve:Term[@deprecated],      $ISM_RESOURCE_CREATE_DATE,
true())"/>
      </sch:assert>
    </sch:rule>
  </sch:pattern>
```

### 3.4 - ../Lib/AttributeValueDeprecatedWarning.sch

Rule Description: AttributeValueDeprecatedWarning

Code Description:

Schematron Code:

```
<sch:pattern abstract="true" id="AttributeValueDeprecatedWarning">
  <sch:rule context="$context">
    <sch:assert test="
count(      dvf:deprecated(      string(@ism:$attrName),
document(' ../../CVE/ISM/$cveName.xml')//cve:CVE/cve:Enumeration/cve:Term[./
@deprecated],      $ISM_RESOURCE_CREATE_DATE,      false()      )      )=0"
      flag="warning">
      [<sch:value-of select="$ruleId"/>][Warning] For attribute
      <sch:value-of select="$attrName"/>, value(s)
      <sch:value-of select="      dvf:deprecated(      string(@ism:
$attrName),      document(' ../../CVE/ISM/$cveName.xml')//cve:CVE/
cve:Enumeration/cve:Term[@deprecated],      $ISM_RESOURCE_CREATE_DATE,
false())      "/>
      </sch:assert>
    </sch:rule>
  </sch:pattern>
```

### 3.5 - ../Lib/DataHasCorrespondingNotice.sch

Rule Description: DataHasCorrespondingNotice

Code Description:

Schematron Code:

```

    <sch:pattern abstract="true" id="DataHasCorrespondingNotice">
        <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
not(@ism:excludeFromRollup=true())                                and
util:containsAnyOfTheTokens($attrValue, ($noticeType))]">
            <sch:assert test="                                some $elem in $partTags
satisfies ($elem[@ism:noticeType]                                and
util:containsAnyOfTheTokens($elem/@ism:noticeType, ($noticeType))                                and not
($elem/@ism:externalNotice=true()) )"
                                flag="error">
                [<sch:value-of select="$ruleId"/>][Error]
                If ISM_CAPCO_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"/>].

                Human Readable:
                USA documents containing <sch:value-of select="$noticeType"/>
                data must also have an <sch:value-of select="$noticeType"/>
notice.
            </sch:assert>
        </sch:rule>
    </sch:pattern>

```

### 3.6 - `./Lib/MutuallyExclusiveAttributeValues.sch`

Rule Description: MutuallyExclusiveAttributeValues

Code Description:

Schematron Code:

```
<sch:pattern abstract="true" id="MutuallyExclusiveAttributeValues">
  <sch:rule context="$context">
    <sch:assert test="count( for $token in
tokenize(normalize-space(string($attrValue)), ' ') return if($token =
$mutuallyExclusiveTokenList) then 1 else null ) = 1"
      flag="warning">
      <sch:value-of select="$errMsg"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

### 3.7 - `./Lib/NonCompilationDocumentRollup.sch`

Rule Description: NonCompilationDocumentRollup

Code Description:

Schematron Code:

```
<sch:pattern abstract="true" id="NonCompilationDocumentRollup">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($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">
                                <sch:value-of select="$errorMessage"/>
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

### 3.8 - ../Lib/NoticeHasCorrespondingData.sch

Rule Description: NoticeHasCorrespondingData

Code Description:

Schematron Code:

```
<sch:pattern abstract="true" id="NoticeHasCorrespondingData">
    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
not(@ism:excludeFromRollup=true())                                and not
(@ism:externalNotice=true())                                and
util:containsAnyOfTheTokens(@ism:noticeType, ($dataType))]">
        <sch:assert test="                                index-of($dataTokenList,
$dataType)>0" flag="warning">
            [<sch:value-of select="$ruleId"/>][Warning]
            If ISM_CAPCO_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>
```



### 3.9 - ../Lib/ValidateValueExistenceInList.sch

Rule Description: ValidateValueExistenceInList

Code Description:

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 context="$context">
    <sch:assert test="
satisfies      $token = $searchTerm      some $token in $list
                "
                flag="error">
      <sch:value-of select="$errMsg"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 3.10 - ./Lib/ValuesOrderedAccordingToCve.sch

Rule Description: ValuesOrderedAccordingToCve

Code Description:

Schematron Code:

```
<sch:pattern abstract="true" id="ValuesOrderedAccordingToCve">

    <sch:rule context="*[$ISM_CAPCO_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">
                <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>
```

## 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

**Rule 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.

**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?><!-- UNCLASSIFIED --><!-- Notices - Distribution Notice:
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    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, Mission Engagement Division at standardssupport@dni.gov--
><!-- WARNING:
    Once compiled into an XSLT the result will
    be the aggregate classification of all the CVES
    and included .sch files
-->
<sch:schema xmlns:cve="urn:us:gov:ic:cve" xmlns:xsl="http://www.w3.org/
1999/XSL/Transform"
            xmlns:xs="http://www.w3.org/2001/XMLSchema"
            queryBinding="xslt2">
    <sch:ns uri="urn:us:gov:ic:ism" prefix="ism"/>
    <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/
AttributeContributesToRollupWithClassification.sch"/>
    <sch:include href="Lib/AttributeValueDeprecatedError.sch"/>
    <sch:include href="Lib/
AttributeValueDeprecatedWarning.sch"/>
    <sch:include href="Lib/DatahasCorrespondingNotice.sch"/>
    <sch:include href="Lib/
MutuallyExclusiveAttributeValues.sch"/>
    <sch:include href="Lib/NonCompilationDocumentRollup.sch"/>
    <sch:include href="Lib/NoticeHasCorrespondingData.sch"/>
    <sch:include href="Lib/ValidateValueExistenceInList.sch"/>
    <sch:include href="Lib/ValuesOrderedAccordingToCve.sch"/>

    <!-- (U) Resources -->
    <sch:let name="countriesList"
            value="document(' ../../CVE/ISM/
CVEnumISMOwnerProducer.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
    <sch:let name="classificationAllList"
```

This document has been approved for Public Release by the Office of the Director of National Intelligence. See 'Distribution Notice' for details.

```

        value="document(' ../../CVE/ISM/
CVEEnumISMClassificationAll.xml')//cve:CVE/cve:Enumeration/cve:Term/
cve:Value"/>
        <sch:let name="classificationUSList"
            value="document(' ../../CVE/ISM/
CVEEnumISMClassificationUS.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
        <sch:let name="ownerProducerList"
            value="document(' ../../CVE/ISM/
CVEEnumISMOwnerProducer.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
        <sch:let name="declassExceptionList"
            value="document(' ../../CVE/ISM/CVEEnumISM25X.xml')//
cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
        <sch:let name="FGISourceOpenList"
            value="document(' ../../CVE/ISM/
CVEEnumISMFGIOpen.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
        <sch:let name="FGISourceProtectedList"
            value="document(' ../../CVE/ISM/
CVEEnumISMFGIProtected.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
        <sch:let name="nonICmarkingsList"
            value="document(' ../../CVE/ISM/
CVEEnumISMNonIC.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
        <sch:let name="releasableToList"
            value="document(' ../../CVE/ISM/
CVEEnumISMRelTo.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
        <sch:let name="SCIcontrolsList"
            value="document(' ../../CVE/ISM/
CVEEnumISMSCIControls.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
        <sch:let name="SARIdentifierList"
            value="document(' ../../CVE/ISM/CVEEnumISMSAR.xml')//
cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
        <sch:let name="validAttributeList"
            value="document(' ../../CVE/ISM/
CVEEnumISMAttributes.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
        <sch:let name="validElementList"
            value="document(' ../../CVE/ISM/
CVEEnumISMElements.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
        <sch:let name="noticeList"
            value="document(' ../../CVE/ISM/
CVEEnumISMNotice.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
        <sch:let name="nonUSControlsList"
            value="document(' ../../CVE/ISM/
CVEEnumISMNonUSControls.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
        <sch:let name="compliesWithList"
            value="document(' ../../CVE/ISM/
CVEEnumISMCompliesWith.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
        <sch:let name="atomicEnergyMarkingsList"
            value="document(' ../../CVE/ISM/
CVEEnumISMAutomicEnergyMarkings.xml')//cve:CVE/cve:Enumeration/cve:Term/
cve:Value"/>
        <sch:let name="displayOnlyToList"
            value="document(' ../../CVE/ISM/
CVEEnumISMRelTo.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>

<!-- (U) Resources that may include FOUO values -->

```

```

    <sch:let name="disseminationControlsList"
        value="document('../CVE/ISM/
CVEEnumISMDissem.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 $each in (//*) return if($each/
@ism:resourceElement=true()) 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) ISM_CAPCO_RESOURCE (boolean): True if the resource
is a CAPCO-applicable resource, or the ism:ownerProducer attribute on the
ISM_RESOURCE_ELEMENT node contains [USA]. False otherwise. -->
    <sch:let name="ISM_CAPCO_RESOURCE"
        value="index-of(tokenize(normalize-
space(string($ISM_RESOURCE_ELEMENT/@ism:ownerProducer)), ' '), 'USA') > 0"/>

    <!-- (U) ISM_ICDOCUMENT_APPLIES (boolean): True if the
document claims compliance rules for an IC Document, or if the
ism:compliesWith attribute of the ISM_RESOURCE_ELEMENT node contains
[ICDocument]. False otherwise. -->
    <sch:let name="ISM_ICDOCUMENT_APPLIES"
        value="(index-of(tokenize(normalize-
space(string($ISM_RESOURCE_ELEMENT/@ism:compliesWith)), ' '), 'ICDocument' )
> 0) or
index-of(tokenize(normalize-
space(string($ISM_RESOURCE_ELEMENT/@ism:compliesWith)), ' '), 'IntelReport' )
> 0"/>

    <sch:let name="ISM_INTELREPORT_APPLIES"
        value="index-of(tokenize(normalize-
space(string($ISM_RESOURCE_ELEMENT/@ism:compliesWith)), ' '), 'IntelReport')
> 0"/>

    <!-- (U) ISM_DOD5230_24_APPLIES (boolean): True if the
document claims compliance with DoD5230.24, or if the
ism:compliesWith attribute of the ISM_RESOURCE_ELEMENT node contains
[DoD5230.24]. False otherwise. -->
    <sch:let name="ISM_DOD5230_24_APPLIES"
        value="index-of(tokenize(normalize-
space(string($ISM_RESOURCE_ELEMENT/@ism:compliesWith)), ' '), 'DoD5230.24')
> 0"/>

    <!-- (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($ISM_RESOURCE_ELEMENT/@ism:releasableTo))"/>
        <sch:let name="bannerSCIconcontrols"
            value="normalize-
space(string($ISM_RESOURCE_ELEMENT/@ism:SCIconcontrols))"/>
        <sch:let name="bannerNotice"
            value="normalize-
space(string($ISM_RESOURCE_ELEMENT/@ism:noticeType))"/>
        <sch:let name="bannerAtomicEnergyMarkings"
            value="normalize-
space(string($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="bannerSCIconcontrols_tok"
            value="tokenize(normalize-

```

```

space(string($bannerSCIconcontrols)), ' ' )"/>
    <sch:let name="bannerNotice_tok"
        value="tokenize(normalize-
space(string($bannerNotice)), ' ' )"/>
    <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' -->
    <!-- (U) 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="//*[@ism:* and
not(@ism:excludeFromRollup=true()) and not(generate-id(.) = generate-
id($ISM_RESOURCE_ELEMENT))]" />

    <!--sch:let name="partNoticeTags"
        value="//*[@ism:* and not(@ism:excludeFromRollup=true()) and
not(generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)) and local-
name()='Notice']"/-->

    <!-- (U) Get Part Attributes -->
    <sch:let name="partClassification"
        value="for $token in $partTags/@ism:classification
return tokenize(normalize-space(string($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="partSCIconcontrols"
        value="for $token in $partTags/@ism:SCIconcontrols
return tokenize(normalize-space(string($token)), ' ' )"/>

```



```

        <sch:let name="partNoticeType"
            value="for $token in $partTags/@ism:noticeType
return tokenize(normalize-space(string($token)), ' ')" />

        <sch:let name="partPocType"
            value="for $token in $partTags/@ism:pocType return
tokenize(normalize-space(string($token)), ' ')" />

        <!-- (U) Tokenize portion Attributes -->
        <sch:let name="partClassification_tok"
            value="for $token in $partClassification return
tokenize(normalize-space(string($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="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_CAPCO_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="$ISM_CAPCO_RESOURCE and
not($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) Define countries that are included in the THREE-,
FOUR- and FIVE-EYES designations -->
        <sch:let name="TEYE_tok" value="tokenize(string('USA CAN GBR'), ' ')" />
        <sch:let name="ACGU_tok" value="tokenize(string('USA AUS
CAN GBR'), ' ')" />
        <sch:let name="FVEY_tok" value="tokenize(string('USA AUS
CAN GBR NZL'), ' ')" />

        <!-- (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" />

        <!--*****-->
        <!-- (U) Custom XSLT function -->
        <!--*****-->

        <!-- Evaluate the attribute value tokens to determine whether any values
            have been deprecated by comparing deprecation dates against
$curDate.
            If the value is deprecated, return either an ERROR or WARNING
message,
            depending on the isError flag. -->
        <xsl:function name="dvf:deprecated" as="xs:string*">
            <xsl:param name="attribute" as="xs:string" />
            <xsl:param name="depTerms" as="element()" />
            <xsl:param name="curDate" as="xs:date?" />
            <xsl:param name="isError" as="xs:boolean" />
            <!--$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 we have a 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 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 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
        "/>
    </xsl:function>

<!--
Determines if values in an attribute are in sorted order based on a
master list
-->
    <xsl:function name="util:unsortedValues" as="xs:string">
        <xsl:param name="attribute"/>
        <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="$attrValues">
            <!-- iterate over each attribute value, except the last one
            because we compare i to i+1 so the last one gets incorporated -->
            <xsl:if test="not(index-of($attrValues, current())[last()] =
            count($attrValues))">

                <!-- calculate the indicies 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: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 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>

    <!--*****-->
<!-- (U) ISM ID Rules -->
<!--*****-->

<!--(U) ACCM-->
    <sch:include href="./Rules/ACCM/ISM_ID_00220.sch"/>

        <!--(U) atomicEnergyMarkings-->
    <sch:include href="./Rules/atomicEnergyMarkings/ISM_ID_00173.sch"/>
    <sch:include href="./Rules/atomicEnergyMarkings/
ISM_ID_00174.sch"/>
    <sch:include href="./Rules/atomicEnergyMarkings/
ISM_ID_00175.sch"/>
    <sch:include href="./Rules/atomicEnergyMarkings/
ISM_ID_00176.sch"/>
    <sch:include href="./Rules/atomicEnergyMarkings/
ISM_ID_00178.sch"/>
    <sch:include href="./Rules/atomicEnergyMarkings/
ISM_ID_00181.sch"/>
    <sch:include href="./Rules/atomicEnergyMarkings/
ISM_ID_00182.sch"/>
    <sch:include href="./Rules/atomicEnergyMarkings/
ISM_ID_00183.sch"/>
    <sch:include href="./Rules/atomicEnergyMarkings/
ISM_ID_00184.sch"/>
    <sch:include href="./Rules/atomicEnergyMarkings/
ISM_ID_00185.sch"/>

        <!--(U) classification-->
    <sch:include href="./Rules/classification/ISM_ID_00015.sch"/>
    <sch:include href="./Rules/classification/
ISM_ID_00016.sch"/>
    <sch:include href="./Rules/classification/
ISM_ID_00040.sch"/>
    <sch:include href="./Rules/classification/

```

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ISM_ID_00115.sch"/>
    <sch:include href="./Rules/classification/
ISM_ID_00142.sch"/>

    <!--(U) classifiedBy-->
    <sch:include href="./Rules/classifiedBy/ISM_ID_00017.sch"/>

    <!--(U) compliesWith-->
    <sch:include href="./Rules/compliesWith/ISM_ID_00222.sch"/>

    <!--(U) declassException-->
    <sch:include href="./Rules/declassException/ISM_ID_00003.sch"/>
    <sch:include href="./Rules/declassException/
ISM_ID_00023.sch"/>
    <sch:include href="./Rules/declassException/
ISM_ID_00133.sch"/>

    <!--(U) DeclassManualReview-->
    <sch:include href="./Rules/DeclassManualReview/ISM_ID_00101.sch"/>

    <!--(U) derivativelyClassifiedBy-->
    <sch:include href="./Rules/derivativelyClassifiedBy/ISM_ID_00143.sch"/>
    <sch:include href="./Rules/derivativelyClassifiedBy/
ISM_ID_00221.sch"/>

    <!--(U) displayOnlyTo-->
    <sch:include href="./Rules/displayOnlyTo/ISM_ID_00167.sch"/>
    <sch:include href="./Rules/displayOnlyTo/ISM_ID_00168.sch"/>

    <!--(U) disseminationControls-->
    <sch:include href="./Rules/disseminationControls/ISM_ID_00004.sch"/>
    <sch:include href="./Rules/disseminationControls/
ISM_ID_00026.sch"/>
    <sch:include href="./Rules/disseminationControls/
ISM_ID_00027.sch"/>
    <sch:include href="./Rules/disseminationControls/
ISM_ID_00028.sch"/>
    <sch:include href="./Rules/disseminationControls/
ISM_ID_00029.sch"/>
    <sch:include href="./Rules/disseminationControls/
ISM_ID_00030.sch"/>
    <sch:include href="./Rules/disseminationControls/
ISM_ID_00031.sch"/>
    <sch:include href="./Rules/disseminationControls/
ISM_ID_00033.sch"/>
    <sch:include href="./Rules/disseminationControls/
ISM_ID_00034.sch"/>
    <sch:include href="./Rules/disseminationControls/
ISM_ID_00050.sch"/>
    <sch:include href="./Rules/disseminationControls/
ISM_ID_00052.sch"/>
    <sch:include href="./Rules/disseminationControls/
ISM_ID_00053.sch"/>
    <sch:include href="./Rules/disseminationControls/

```

```

ISM_ID_00054.sch"/>
    <sch:include href="./Rules/disseminationControls/
ISM_ID_00091.sch"/>
    <sch:include href="./Rules/disseminationControls/
ISM_ID_00092.sch"/>
    <sch:include href="./Rules/disseminationControls/
ISM_ID_00093.sch"/>
    <sch:include href="./Rules/disseminationControls/
ISM_ID_00094.sch"/>
    <sch:include href="./Rules/disseminationControls/
ISM_ID_00106.sch"/>
    <sch:include href="./Rules/disseminationControls/
ISM_ID_00107.sch"/>
    <sch:include href="./Rules/disseminationControls/
ISM_ID_00117.sch"/>
    <sch:include href="./Rules/disseminationControls/
ISM_ID_00120.sch"/>
    <sch:include href="./Rules/disseminationControls/
ISM_ID_00124.sch"/>
    <sch:include href="./Rules/disseminationControls/
ISM_ID_00140.sch"/>
    <sch:include href="./Rules/disseminationControls/
ISM_ID_00164.sch"/>
    <sch:include href="./Rules/disseminationControls/
ISM_ID_00169.sch"/>
    <sch:include href="./Rules/disseminationControls/
ISM_ID_00213.sch"/>
    <sch:include href="./Rules/disseminationControls/
ISM_ID_00215.sch"/>

    <!--(U) FGIsorceOpen-->
    <sch:include href="./Rules/FGIsorceOpen/ISM_ID_00005.sch"/>
    <sch:include href="./Rules/FGIsorceOpen/ISM_ID_00024.sch"/>
    <sch:include href="./Rules/FGIsorceOpen/ISM_ID_00095.sch"/>
    <sch:include href="./Rules/FGIsorceOpen/ISM_ID_00216.sch"/>
    <sch:include href="./Rules/FGIsorceOpen/ISM_ID_00232.sch"/>
    <sch:include href="./Rules/FGIsorceOpen/ISM_ID_00233.sch"/>

    <!--(U) FGIsorceProtected-->
    <sch:include href="./Rules/FGIsorceProtected/ISM_ID_00006.sch"/>
    <sch:include href="./Rules/FGIsorceProtected/
ISM_ID_00025.sch"/>
    <sch:include href="./Rules/FGIsorceProtected/
ISM_ID_00096.sch"/>
    <sch:include href="./Rules/FGIsorceProtected/
ISM_ID_00097.sch"/>
    <sch:include href="./Rules/FGIsorceProtected/
ISM_ID_00217.sch"/>
    <sch:include href="./Rules/FGIsorceProtected/
ISM_ID_00218.sch"/>
    <sch:include href="./Rules/FGIsorceProtected/
ISM_ID_00234.sch"/>
    <sch:include href="./Rules/FGIsorceProtected/
ISM_ID_00235.sch"/>

```

```
<!--(U) generalConstraints-->
<sch:include href="./Rules/generalConstraints/ISM_ID_00002.sch"/>
  <sch:include href="./Rules/generalConstraints/
ISM_ID_00012.sch"/>
    <sch:include href="./Rules/generalConstraints/
ISM_ID_00098.sch"/>
      <sch:include href="./Rules/generalConstraints/
ISM_ID_00102.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00103.sch"/>
          <sch:include href="./Rules/generalConstraints/
ISM_ID_00119.sch"/>
            <sch:include href="./Rules/generalConstraints/
ISM_ID_00125.sch"/>
              <sch:include href="./Rules/generalConstraints/
ISM_ID_00126.sch"/>
                <sch:include href="./Rules/generalConstraints/
ISM_ID_00166.sch"/>
                  <sch:include href="./Rules/generalConstraints/
ISM_ID_00170.sch"/>
                    <sch:include href="./Rules/generalConstraints/
ISM_ID_00179.sch"/>
                      <sch:include href="./Rules/generalConstraints/
ISM_ID_00180.sch"/>
                        <sch:include href="./Rules/generalConstraints/
ISM_ID_00188.sch"/>
                          <sch:include href="./Rules/generalConstraints/
ISM_ID_00189.sch"/>
                            <sch:include href="./Rules/generalConstraints/
ISM_ID_00190.sch"/>
                              <sch:include href="./Rules/generalConstraints/
ISM_ID_00191.sch"/>
                                <sch:include href="./Rules/generalConstraints/
ISM_ID_00192.sch"/>
                                  <sch:include href="./Rules/generalConstraints/
ISM_ID_00193.sch"/>
                                    <sch:include href="./Rules/generalConstraints/
ISM_ID_00194.sch"/>
                                      <sch:include href="./Rules/generalConstraints/
ISM_ID_00195.sch"/>
                                        <sch:include href="./Rules/generalConstraints/
ISM_ID_00196.sch"/>
                                          <sch:include href="./Rules/generalConstraints/
ISM_ID_00197.sch"/>
                                            <sch:include href="./Rules/generalConstraints/
ISM_ID_00198.sch"/>
                                              <sch:include href="./Rules/generalConstraints/
ISM_ID_00199.sch"/>
                                                <sch:include href="./Rules/generalConstraints/
ISM_ID_00200.sch"/>
                                                  <sch:include href="./Rules/generalConstraints/
ISM_ID_00201.sch"/>
                                                    <sch:include href="./Rules/generalConstraints/
```



```
ISM_ID_00202.sch"/>
    <sch:include href="./Rules/generalConstraints/
ISM_ID_00203.sch"/>
    <sch:include href="./Rules/generalConstraints/
ISM_ID_00204.sch"/>
    <sch:include href="./Rules/generalConstraints/
ISM_ID_00205.sch"/>
    <sch:include href="./Rules/generalConstraints/
ISM_ID_00206.sch"/>
    <sch:include href="./Rules/generalConstraints/
ISM_ID_00207.sch"/>
    <sch:include href="./Rules/generalConstraints/
ISM_ID_00208.sch"/>
    <sch:include href="./Rules/generalConstraints/
ISM_ID_00209.sch"/>
    <sch:include href="./Rules/generalConstraints/
ISM_ID_00210.sch"/>
    <sch:include href="./Rules/generalConstraints/
ISM_ID_00211.sch"/>
    <sch:include href="./Rules/generalConstraints/
ISM_ID_00212.sch"/>
    <sch:include href="./Rules/generalConstraints/
ISM_ID_00223.sch"/>
    <sch:include href="./Rules/generalConstraints/
ISM_ID_00226.sch"/>
    <sch:include href="./Rules/generalConstraints/
ISM_ID_00236.sch"/>

    <!--(U) nonICmarkings-->
    <sch:include href="./Rules/nonICmarkings/ISM_ID_00007.sch"/>
        <sch:include href="./Rules/nonICmarkings/ISM_ID_00035.sch"/>
        <sch:include href="./Rules/nonICmarkings/ISM_ID_00036.sch"/>
        <sch:include href="./Rules/nonICmarkings/ISM_ID_00037.sch"/>
        <sch:include href="./Rules/nonICmarkings/ISM_ID_00038.sch"/>
        <sch:include href="./Rules/nonICmarkings/ISM_ID_00051.sch"/>
        <sch:include href="./Rules/nonICmarkings/ISM_ID_00055.sch"/>
        <sch:include href="./Rules/nonICmarkings/ISM_ID_00148.sch"/>
        <sch:include href="./Rules/nonICmarkings/ISM_ID_00225.sch"/>
        <sch:include href="./Rules/nonICmarkings/ISM_ID_00252.sch"/>

    <!--(U) nonUSControls-->
    <sch:include href="./Rules/nonUSControls/ISM_ID_00163.sch"/>

    <!--(U) notice-->
    <sch:include href="./Rules/notice/ISM_ID_00127.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00128.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00129.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00130.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00131.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00134.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00135.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00136.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00137.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00138.sch"/>
```

```

    <sch:include href="./Rules/notice/ISM_ID_00139.sch"/>
    <sch:include href="./Rules/notice/ISM_ID_00150.sch"/>
    <sch:include href="./Rules/notice/ISM_ID_00151.sch"/>
    <sch:include href="./Rules/notice/ISM_ID_00152.sch"/>
    <sch:include href="./Rules/notice/ISM_ID_00153.sch"/>
    <sch:include href="./Rules/notice/ISM_ID_00156.sch"/>
    <sch:include href="./Rules/notice/ISM_ID_00157.sch"/>
    <sch:include href="./Rules/notice/ISM_ID_00158.sch"/>
    <sch:include href="./Rules/notice/ISM_ID_00159.sch"/>
    <sch:include href="./Rules/notice/ISM_ID_00160.sch"/>
    <sch:include href="./Rules/notice/ISM_ID_00161.sch"/>
    <sch:include href="./Rules/notice/ISM_ID_00237.sch"/>
    <sch:include href="./Rules/notice/ISM_ID_00238.sch"/>
    <sch:include href="./Rules/notice/ISM_ID_00239.sch"/>
    <sch:include href="./Rules/notice/ISM_ID_00240.sch"/>
    <sch:include href="./Rules/notice/ISM_ID_00244.sch"/>
    <sch:include href="./Rules/notice/ISM_ID_00245.sch"/>
    <sch:include href="./Rules/notice/ISM_ID_00248.sch"/>
    <sch:include href="./Rules/notice/ISM_ID_00249.sch"/>
    <sch:include href="./Rules/notice/ISM_ID_00250.sch"/>
    <sch:include href="./Rules/notice/ISM_ID_00251.sch"/>

    <!--(U) ownerProducer-->
    <sch:include href="./Rules/ownerProducer/ISM_ID_00001.sch"/>
    <sch:include href="./Rules/ownerProducer/ISM_ID_00008.sch"/>
    <sch:include href="./Rules/ownerProducer/ISM_ID_00039.sch"/>
    <sch:include href="./Rules/ownerProducer/ISM_ID_00099.sch"/>
    <sch:include href="./Rules/ownerProducer/ISM_ID_00100.sch"/>
    <sch:include href="./Rules/ownerProducer/ISM_ID_00219.sch"/>

    <!--(U) pocType-->
    <sch:include href="./Rules/pocType/ISM_ID_00224.sch"/>
    <sch:include href="./Rules/pocType/ISM_ID_00247.sch"/>

    <!--(U) releasableTo-->
    <sch:include href="./Rules/releasableTo/ISM_ID_00009.sch"/>
    <sch:include href="./Rules/releasableTo/ISM_ID_00032.sch"/>
    <sch:include href="./Rules/releasableTo/ISM_ID_00041.sch"/>
    <sch:include href="./Rules/releasableTo/ISM_ID_00214.sch"/>

    <!--(U) resourceElement-->
    <sch:include href="./Rules/resourceElement/ISM_ID_00013.sch"/>
    <sch:include href="./Rules/resourceElement/ISM_ID_00014.sch"/>
    <sch:include href="./Rules/resourceElement/ISM_ID_00056.sch"/>
    <sch:include href="./Rules/resourceElement/ISM_ID_00057.sch"/>
    <sch:include href="./Rules/resourceElement/ISM_ID_00058.sch"/>
    <sch:include href="./Rules/resourceElement/ISM_ID_00059.sch"/>
    <sch:include href="./Rules/resourceElement/ISM_ID_00060.sch"/>

```

```
ISM_ID_00061.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00062.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00063.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00064.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00065.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00066.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00067.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00068.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00069.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00070.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00071.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00072.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00073.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00074.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00075.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00076.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00077.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00078.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00079.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00080.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00081.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00082.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00083.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00084.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00085.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00086.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00087.sch"/>
```

```
ISM_ID_00088.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00089.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00090.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00104.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00105.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00108.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00109.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00110.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00111.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00112.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00113.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00116.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00118.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00132.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00141.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00144.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00145.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00146.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00147.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00149.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00154.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00155.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00162.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00165.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00171.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00172.sch"/>
    <sch:include href="./Rules/resourceElement/
ISM_ID_00227.sch"/>
```

```

        <sch:include href="./Rules/resourceElement/
ISM_ID_00228.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00229.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00230.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00231.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00246.sch"/>

        <!--(U) SARIdentifier-->
        <sch:include href="./Rules/SARIdentifier/ISM_ID_00114.sch"/>
        <sch:include href="./Rules/SARIdentifier/ISM_ID_00121.sch"/>

        <!--(U) SCIconcontrols-->
        <sch:include href="./Rules/SCIconcontrols/ISM_ID_00010.sch"/>
        <sch:include href="./Rules/SCIconcontrols/ISM_ID_00042.sch"/>
        <sch:include href="./Rules/SCIconcontrols/ISM_ID_00043.sch"/>
        <sch:include href="./Rules/SCIconcontrols/ISM_ID_00044.sch"/>
        <sch:include href="./Rules/SCIconcontrols/ISM_ID_00045.sch"/>
        <sch:include href="./Rules/SCIconcontrols/ISM_ID_00046.sch"/>
        <sch:include href="./Rules/SCIconcontrols/ISM_ID_00047.sch"/>
        <sch:include href="./Rules/SCIconcontrols/ISM_ID_00048.sch"/>
        <sch:include href="./Rules/SCIconcontrols/ISM_ID_00049.sch"/>
        <sch:include href="./Rules/SCIconcontrols/ISM_ID_00122.sch"/>
        <sch:include href="./Rules/SCIconcontrols/ISM_ID_00123.sch"/>
        <sch:include href="./Rules/SCIconcontrols/ISM_ID_00177.sch"/>
        <sch:include href="./Rules/SCIconcontrols/ISM_ID_00186.sch"/>
        <sch:include href="./Rules/SCIconcontrols/ISM_ID_00187.sch"/>
        <sch:include href="./Rules/SCIconcontrols/ISM_ID_00241.sch"/>
        <sch:include href="./Rules/SCIconcontrols/ISM_ID_00242.sch"/>
        <sch:include href="./Rules/SCIconcontrols/ISM_ID_00243.sch"/>

        <!--(U) typeOfExemptedSource-->
        <sch:include href="./Rules/typeOfExemptedSource/ISM_ID_00011.sch"/>
        <sch:include href="./Rules/typeOfExemptedSource/
ISM_ID_00018.sch"/>
        <sch:include href="./Rules/typeOfExemptedSource/
ISM_ID_00019.sch"/>
        <sch:include href="./Rules/typeOfExemptedSource/
ISM_ID_00020.sch"/>
        <sch:include href="./Rules/typeOfExemptedSource/
ISM_ID_00021.sch"/>
        <sch:include href="./Rules/typeOfExemptedSource/
ISM_ID_00022.sch"/>
        </sch:schema>
        <!-- UNCLASSIFIED -->

```

## 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/ownerProducer/ISM_ID_00001.sch`

Rule Description: ISM-ID-00001 [ISM-ID-00001][Error] Rule removed in V8. Covered by rule 2.

### 5.2 - `./Rules/declassException/ISM_ID_00003.sch`

Rule Description: ISM-ID-00003 [ISM-ID-00003][Error] Rule removed in V5.

### 5.3 - `./Rules/disseminationControls/ISM_ID_00004.sch`

Rule Description: ISM-ID-00004 [ISM-ID-00004][Error] Rule removed in V5.

### 5.4 - `./Rules/FGIsorceOpen/ISM_ID_00005.sch`

Rule Description: ISM-ID-00005 [ISM-ID-00005][Error] Rule removed in V2. Replaced by ISM\_ID\_00024.

### 5.5 - `./Rules/FGIsorceProtected/ISM_ID_00006.sch`

Rule Description: ISM-ID-00006 [ISM-ID-00006][Error] Rule removed in V2. Replaced by ISM\_ID\_00025.

### 5.6 - `./Rules/nonICmarkings/ISM_ID_00007.sch`

Rule Description: ISM-ID-00007 [ISM-ID-00007][Error] Rule removed in V5.

### 5.7 - `./Rules/ownerProducer/ISM_ID_00008.sch`

Rule Description: ISM-ID-00008 [ISM-ID-00008][Error] Rule removed in V2. Replaced by ISM\_ID\_00039.

### 5.8 - `./Rules/releasableTo/ISM_ID_00009.sch`

Rule Description: ISM-ID-00009 [ISM-ID-00009][Error] Rule removed in V5.

### 5.9 - `./Rules/SCIscontrols/ISM_ID_00010.sch`

Rule Description: ISM-ID-00010 [ISM-ID-00010][Error] Rule removed in V5.

## **5.10 - ./Rules/typeOfExemptedSource/ISM\_ID\_00011.sch**

Rule Description: ISM-ID-00011 [ISM-ID-00011][Error] Rule removed in V5.

## **5.11 - ./Rules/classification/ISM\_ID\_00015.sch**

Rule Description: ISM-ID-00015 [ISM-ID-00015][Error] Rule removed in V8. Values moved to rule 16.

## **5.12 - ./Rules/typeOfExemptedSource/ISM\_ID\_00018.sch**

Rule Description: ISM-ID-00018 [ISM-ID-00018][Error] Rule removed in V5.

## **5.13 - ./Rules/typeOfExemptedSource/ISM\_ID\_00019.sch**

Rule Description: ISM-ID-00019 [ISM-ID-00019][Error] Rule removed in V5.

## **5.14 - ./Rules/typeOfExemptedSource/ISM\_ID\_00020.sch**

Rule Description: ISM-ID-00020 [ISM-ID-00020][Error] Rule removed in V5.

## **5.15 - ./Rules/typeOfExemptedSource/ISM\_ID\_00021.sch**

Rule Description: ISM-ID-00021 [ISM-ID-00021][Error] Rule removed in V5.

## **5.16 - ./Rules/typeOfExemptedSource/ISM\_ID\_00022.sch**

Rule Description: ISM-ID-00022 [ISM-ID-00022][Error] Rule removed in V3.

## **5.17 - ./Rules/declassException/ISM\_ID\_00023.sch**

Rule Description: ISM-ID-00023 [ISM-ID-00023][Error] Rule removed in V4.

## **5.18 - ./Rules/FGIsourceOpen/ISM\_ID\_00024.sch**

Rule Description: ISM-ID-00024 [ISM-ID-00024][Error] Rule removed in V5.

## **5.19 - ./Rules/FGIsourceProtected/ISM\_ID\_00025.sch**

Rule Description: ISM-ID-00025 [ISM-ID-00025][Error] Rule removed in V5.

## **5.20 - ./Rules/disseminationControls/ISM\_ID\_00027.sch**

Rule Description: ISM-ID-00027 [ISM-ID-00027][Error] Rule removed in V5.

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## **5.21 - ./Rules/disseminationControls/ISM\_ID\_00029.sch**

Rule Description: ISM-ID-00029 [ISM-ID-00029][Error] Rule removed in V5.

## **5.22 - ./Rules/disseminationControls/ISM\_ID\_00034.sch**

Rule Description: ISM-ID-00034 [ISM-ID-00034][Error] Rule removed in V8. Covered by rule 169.

## **5.23 - ./Rules/nonICmarkings/ISM\_ID\_00036.sch**

Rule Description: ISM-ID-00036 [ISM-ID-00036][Error] Rule removed in V8.

## **5.24 - ./Rules/ownerProducer/ISM\_ID\_00039.sch**

Rule Description: ISM-ID-00039 [ISM-ID-00039][Error] Rule removed in V5.

## **5.25 - ./Rules/SCIcontrols/ISM\_ID\_00046.sch**

Rule Description: ISM-ID-00046 [ISM-ID-00046][Error] Rule removed in V8.

## **5.26 - ./Rules/disseminationControls/ISM\_ID\_00050.sch**

Rule Description: ISM-ID-00050 [ISM-ID-00050][Error] Rule removed in V2.

## **5.27 - ./Rules/nonICmarkings/ISM\_ID\_00051.sch**

Rule Description: ISM-ID-00051 [ISM-ID-00051][Error] Rule removed in V2.

## **5.28 - ./Rules/disseminationControls/ISM\_ID\_00052.sch**

Rule Description: ISM-ID-00052 [ISM-ID-00052][Error] Rule removed in V2.

## **5.29 - ./Rules/disseminationControls/ISM\_ID\_00053.sch**

Rule Description: ISM-ID-00053 [ISM-ID-00053][Error] Rule removed in V2.

## **5.30 - ./Rules/disseminationControls/ISM\_ID\_00054.sch**

Rule Description: ISM-ID-00054 [ISM-ID-00054][Error] Rule removed in V2.

## **5.31 - ./Rules/nonICmarkings/ISM\_ID\_00055.sch**

Rule Description: ISM-ID-00055 [ISM-ID-00055][Error] Rule removed in V2.

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### **5.32 - ./Rules/resourceElement/ISM\_ID\_00057.sch**

Rule Description: ISM-ID-00057 [ISM-ID-00057][Error] Rule removed in V8. Values moved to rule 56.

### **5.33 - ./Rules/resourceElement/ISM\_ID\_00069.sch**

Rule Description: ISM-ID-00069 [ISM-ID-00069][Error] Rule removed in V5.

### **5.34 - ./Rules/resourceElement/ISM\_ID\_00076.sch**

Rule Description: ISM-ID-00076 [ISM-ID-00076][Error] Rule removed in V3.

### **5.35 - ./Rules/resourceElement/ISM\_ID\_00082.sch**

Rule Description: ISM-ID-00082 [ISM-ID-00082][Error] Rule removed in V8

### **5.36 - ./Rules/resourceElement/ISM\_ID\_00083.sch**

Rule Description: ISM-ID-00083 [ISM-ID-00083][Error] Rule removed in V8

### **5.37 - ./Rules/resourceElement/ISM\_ID\_00089.sch**

Rule Description: ISM-ID-00089 [ISM-ID-00089][Error] Rule removed in V4.

### **5.38 - ./Rules/disseminationControls/ISM\_ID\_00091.sch**

Rule Description: ISM-ID-00091 [ISM-ID-00091][Error] Rule removed in V5.

### **5.39 - ./Rules/disseminationControls/ISM\_ID\_00092.sch**

Rule Description: ISM-ID-00092 [ISM-ID-00092][Error] Rule removed in V5.

### **5.40 - ./Rules/disseminationControls/ISM\_ID\_00093.sch**

Rule Description: ISM-ID-00093 [ISM-ID-00093][Error] Rule removed in V5.

### **5.41 - ./Rules/disseminationControls/ISM\_ID\_00094.sch**

Rule Description: ISM-ID-00094 [ISM-ID-00094][Error] Rule removed in V8.

### **5.42 - ./Rules/generalConstraints/ISM\_ID\_00098.sch**

Rule Description: ISM-ID-00098 [ISM-ID-00098][] This rule number was skipped and never used. removed

**5.43 - ./Rules/DeclassManualReview/ISM\_ID\_00101.sch**

Rule Description: ISM-ID-00101 [ISM-ID-000101][Error] Introduced and removed in V2. Never made it to signed package.

**5.44 - ./Rules/disseminationControls/ISM\_ID\_00106.sch**

Rule Description: ISM-ID-00106 [ISM-ID-00106][Error] Rule removed in V5.

**5.45 - ./Rules/SARIdentifier/ISM\_ID\_00114.sch**

Rule Description: ISM-ID-00114 [ISM-ID-00114][Error] Rule removed in V5.

**5.46 - ./Rules/classification/ISM\_ID\_00115.sch**

Rule Description: ISM-ID-00115 [ISM-ID-00115][Error] Rule removed in V5.

**5.47 - ./Rules/disseminationControls/ISM\_ID\_00117.sch**

Rule Description: ISM-ID-00117 [ISM-ID-00117][Warning] Rule removed in V5.

**5.48 - ./Rules/disseminationControls/ISM\_ID\_00120.sch**

Rule Description: ISM-ID-00120 [ISM-ID-00120][Error] Rule removed in V4.

**5.49 - ./Rules/notice/ISM\_ID\_00131.sch**

Rule Description: ISM-ID-00131 [ISM-ID-00131][Error] Rule removed in V5.

**5.50 - ./Rules/disseminationControls/ISM\_ID\_00140.sch**

Rule Description: ISM-ID-00140 [ISM-ID-00140][Error] Rule removed in V8.

**5.51 - ./Rules/resourceElement/ISM\_ID\_00144.sch**

Rule Description: ISM-ID-00144 [ISM-ID-00144][Error] Rule removed in V4.

**5.52 - ./Rules/notice/ISM\_ID\_00156.sch**

Rule Description: ISM-ID-00156 [ISM-ID-00156][Error] Rule removed in V8. Replaced by rules 237 and 238.

**5.53 - ./Rules/notice/ISM\_ID\_00160.sch**

Rule Description: ISM-ID-00160 [ISM-ID-00160][Error] Rule removed in V8. Replaced by rules 239 and 240.

### **5.54 - ./Rules/resourceElement/ISM\_ID\_00172.sch**

Rule Description: ISM-ID-00172 [ISM-ID-00172][Error] Rule removed in V6.

### **5.55 - ./Rules/SCIcontrols/ISM\_ID\_00177.sch**

Rule Description: ISM-ID-00177 [ISM-ID-00177][Error] Rule removed in V8.

### **5.56 - ./Rules/atomicEnergyMarkings/ISM\_ID\_00182.sch**

Rule Description: ISM-ID-00182 [ISM-ID-00182][Error] Rule removed in V8. Values moved to rule 181.

### **5.57 - ./Rules/generalConstraints/ISM\_ID\_00212.sch**

Rule Description: ISM-ID-00212 [ISM-ID-00212][Error] Rule removed in V6.

### **5.58 - ./Rules/disseminationControls/ISM\_ID\_00215.sch**

Rule Description: ISM-ID-00215 [ISM-ID-00215][Error] Rule removed in V8.

### **5.59 - ./Rules/FGIsourceOpen/ISM\_ID\_00216.sch**

Rule Description: ISM-ID-00216 [ISM-ID-000216][ ] Introduced and removed in V6. Never made it to signed package.

### **5.60 - ./Rules/FGIsourceProtected/ISM\_ID\_00218.sch**

Rule Description: ISM-ID-00218 [ISM-ID-000218][ ] Introduced and removed in V6. Never made it to signed package.

### **5.61 - ./Rules/ACCM/ISM\_ID\_00220.sch**

Rule Description: ISM-ID-00220 [ISM-ID-00220][Error] Rule removed in V7.

### **5.62 - ./Rules/FGIsourceOpen/ISM\_ID\_00232.sch**

Rule Description: ISM-ID-00232 [ISM-ID-00232][ ] Introduced and removed in V8. Never made it to signed package.

### **5.63 - ./Rules/FGIsourceProtected/ISM\_ID\_00235.sch**

Rule Description: ISM-ID-00235 [ISM-ID-00235][ ] Introduced and removed in V8. Never made it to signed package.

## 5.64 - `./Rules/notice/ISM_ID_00249.sch`

Rule Description: ISM-ID-00249 [ISM-ID-00249][Error] Introduced and removed in V9. Never made it to signed package.