



Guide to Schematron Rules and Patterns

DOMEX Schematron Guide

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Chapter 1 - Introduction

1.1 - Purpose

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

1.2 - Overview

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

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

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

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

1.3 - Schematron

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

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



Important

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

1.4 - Conformance

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

Chapter 2 - Rules

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

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

2.1 - ../Rules/GeneralConstraints/DOMEX_ID_00001.sch

Rule Description

[DOMEX-ID-00001][Error] Regardless of the version indicated on the instance document, the validation infrastructure MUST use a version of 'ISM' that is version '202111' (Version:2021-NOV) or later. NOTE: This is not an error of the instance document but of the validation environment itself.

Code Description

This rule uses an abstract pattern to consolidate logic. It verifies that the validation infrastructure is using the version specified in parameters.

Schematron Code

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

<sch:pattern id="DOMEX-ID-00001" is-a="ValidateValidationEnvCVE">
    <sch:param name="MinVersion" value="'202111'"/>
    <sch:param name="SpecToCheck" value="'ISM'"/>
    <sch:param name="pathToDocument"
        value="'../../../../CVE/ISM/CVEnumISMClassificationAll.xml'"/>
    <sch:param name="RuleID" value="'DOMEX-ID-00001'"/>
</sch:pattern>
```

2.2 - ../Rules/GeneralConstraints/DOMEX_ID_00003.sch

Rule Description

[DOMEX_ID_00003][Error] String length constraint violation - (element) Human Readable: String length constraint violation - (element).

Code Description

Checks string lengths for selected DOMEX elements in the IRM assertion.

Schematron Code

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

<sch:pattern id="DOMEX-ID-00003">
    <sch:rule context="irm:description" id="DOMEX-ID-00003-R1">
        <sch:assert test="string-length(text()) &lt;= 4000" flag="error" role="error">[DOMEX_ID_00003][Error] String length constraint violation - (irm:description) Human
Readable: String length constraint violation - (irm:description)</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.3 - ../Rules/GeneralConstraints/DOMEX_ID_00004.sch

Rule Description

[DOMEX_ID_00004][Error] If a TrustedDataObject element contains a DOMEX assertion, it must also contain an assertion with an IRM structured statement. Human Readable: If a Trusted Data Object contains a DOMEX assertion, it must also contain an IRM assertion.

Code Description

If a TDO has a DOMEX assertion, verify that it also contains an IRM assertion.

Schematron Code

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

<sch:pattern id="DOMEX-ID-00004">
  <sch:rule id="DOMEX-ID-00004-R1"
    context="tdf:StructuredStatement/*[namespace-uri() = 'urn:us:mil:ces:metadata:domex']">
    <sch:assert test="//tdf:Assertion/tdf:StructuredStatement/irm:ICResourceMetadataPackage"
      flag="error"
      role="error">[DOMEX_ID_00004][Error] If a TrustedDataObject element contains a DOMEX assertion, it must also contain an assertion with an IRM structured
statement. Human Readable: If a Trusted Data Object contains a DOMEX assertion, it must also contain an IRM assertion.</sch:assert>
    </sch:rule>
    <sch:rule id="DOMEX-ID-00004-R2"
      context="tdf:StructuredStatement/*[namespace-uri() = 'urn:CellerReport']">
      <sch:assert test="//tdf:Assertion/tdf:StructuredStatement/irm:ICResourceMetadataPackage"
        flag="error"
        role="error">[DOMEX_ID_00004][Error] If a TrustedDataObject element contains a DOMEX assertion, it must also contain an assertion with an IRM structured
statement. Human Readable: If a Trusted Data Object contains a DOMEX assertion, it must also contain an IRM assertion.</sch:assert>
      </sch:rule>
      <sch:rule id="DOMEX-ID-00004-R3"
        context="tdf:StructuredStatement/*[namespace-uri() = 'urn:us:mil:ces:metadata:domex_identity']">
        <sch:assert test="//tdf:Assertion/tdf:StructuredStatement/irm:ICResourceMetadataPackage"
          flag="error"
          role="error">[DOMEX_ID_00004][Error] If a TrustedDataObject element contains a DOMEX assertion, it must also contain an assertion with an IRM structured
statement. Human Readable: If a Trusted Data Object contains a DOMEX assertion, it must also contain an IRM assertion.</sch:assert>
        </sch:rule>
      </sch:pattern>
```


2.4 - ../Rules/GeneralConstraints/DOMEX_ID_00005.sch

Rule Description

[DOMEX_ID_00005][Error] Invalid GENC code. Human Readable: Invalid GENC code.

Code Description

Invokes GENC AllowableGencValues abstract pattern to validate GENC country code.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<!-- artf14833 - Validate country codes against GENC CVEs -->

<sch:pattern id="DOMEX-ID-00005">
    <sch:rule id="DOMEX-ID-00005-R1" context="*[@irm:codespace]">
        <sch:assert test="some $term in document(concat('../..//CVE/IC-GENC/CVEnum',upper-case(substring(../@irm:codespace,1,1)),translate(substring(../@irm:codespace,
2),':',''),'.xml'))//cve:CVE/cve:Enumeration/cve:Term/cve:Value satisfies $term=../@irm:code"
                        flag="error"
                        role="error">[DOMEX_ID_00005] [Error] Invalid GENC code.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.5 - ../Rules/GeneralConstraints/DOMEX_ID_00006.sch

Rule Description

[DOMEX_ID_00006][Error] Invalid sub-agency code. Human Readable: Invalid sub-agency code.

Code Description

Given a primary agency, validate the sub-agency.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<!-- artf14833 - Validate sub-agency codes against DOMEX CVEs -->

<sch:pattern id="DOMEX-ID-00006">
    <sch:rule id="DOMEX-ID-00006-R1" context="*[/domex:subAgency]">
        <sch:assert test="some $term in document(concat('../..//CVE/DOMEX/CVEnumDOMEXAgency',substring-after(/domex:primaryAgency,'USA.'),'.xml'))//cve:CVE/cve:Enumeration/
cve:Term/cve:Value satisfies $term=../domex:subAgency"
            flag="error"
            role="error">[DOMEX_ID_00006] [Error] Invalid sub-agency code.</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.6 - ../Rules/GeneralConstraints/DOMEX_ID_00007.sch

Rule Description

[DOMEX_ID_00007][Error] Invalid sub-activiy specified. Human Readable: Invalid sub-activiy specified.

Code Description

Given a primary activity, validate the sub-activity.

Schematron Code

```
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
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-->
<!-- Issue #889 - Validate sub-activity codes against DOMEX CVEs -->

<sch:pattern id="DOMEX-ID-00007">
    <sch:rule id="DOMEX-ID-00007-R1" context="domex:subActivity">
        <sch:assert test="some $term in document(concat('../CVE/DOMEX/CVEnumDOMEXActivity',translate(..domex:primaryActivity,' ',''),'.xml'))//cve:CVE/cve:Enumeration/
cve:Term/cve:Value satisfies $term=."
                    flag="error"
                    role="error">[DOMEX_ID_00007] [Error] Invalid sub-activity specified.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.7 - ../Rules/GeneralConstraints/DOMEX_ID_00008.sch

Rule Description

[DOMEX_ID_00008][Error] The root element of a DOMEX assertion must contain a DESVersion attribute. Human Readable: The root element of a DOMEX assertion must contain a DESVersion attribute.

Code Description

Check the root element of a DOMEX assertion to ensure that it contains a DESVersion attribute.

Schematron Code

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

<sch:pattern id="DOMEX-ID-00008">
  <sch:rule id="DOMEX-ID-00008-R1"
    context="tdf:StructuredStatement/*[namespace-uri() = 'urn:us:mil:ces:metadata:domex']">
    <sch:assert test="@domex:DESVersion" flag="error" role="error">[DOMEX_ID_00008][Error] The root element of a DOMEX assertion must contain a DESVersion attribute. Human
Readable: The root element of a DOMEX assertion must contain a DESVersion attribute.</sch:assert>
    </sch:rule>
  <sch:rule id="DOMEX-ID-00008-R2"
    context="tdf:StructuredStatement/*[namespace-uri() = 'urn:CellerReport']">
    <sch:assert test="@cr:DESVersion" flag="error" role="error">[DOMEX_ID_00008][Error] The root element of a DOMEX assertion must contain a DESVersion attribute. Human
Readable: The root element of a DOMEX assertion must contain a DESVersion attribute.</sch:assert>
    </sch:rule>
  <sch:rule id="DOMEX-ID-00008-R3"
    context="tdf:StructuredStatement/*[namespace-uri() = 'urn:us:mil:ces:metadata:domex_identity']">
    <sch:assert test="@Identity:DESVersion" flag="error" role="error">[DOMEX_ID_00008][Error] The root element of a DOMEX assertion must contain a DESVersion attribute.
Human Readable: The root element of a DOMEX assertion must contain a DESVersion attribute.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.8 - ../Rules/GeneralConstraints/DOMEX_ID_00009.sch

Rule Description

[DOMEX_ID_00009][Error] The DOMEX assertion must have a scope of either TDO or TDC. Human Readable: The DOMEX assertion must have a scope of either TDO or TDC.

Code Description

Ensure that the DOMEX assertion has a scope of either TDO or TDC.

Schematron Code

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

<sch:pattern id="DOMEX-ID-00009">
  <sch:rule id="DOMEX-ID-00009-R1"
    context="tdf:StructuredStatement/*[namespace-uri() = 'urn:us:mil:ces:metadata:domex']">
    <sch:assert test="../../../@tdf:scope='TDO' or ../../../@tdf:scope='TDC'"
      flag="error"
      role="error">[DOMEX_ID_00009][Error] The DOMEX assertion must have a scope of either TDO or TDC.</sch:assert>
    </sch:rule>
  <sch:rule id="DOMEX-ID-00009-R2"
    context="tdf:StructuredStatement/*[namespace-uri() = 'urn:CellexReport']">
    <sch:assert test="../../../@tdf:scope='TDO' or ../../../@tdf:scope='TDC'"
      flag="error"
      role="error">[DOMEX_ID_00009][Error] The DOMEX assertion must have a scope of either TDO or TDC.</sch:assert>
    </sch:rule>
  <sch:rule id="DOMEX-ID-00009-R3"
    context="tdf:StructuredStatement/*[namespace-uri() = 'urn:us:mil:ces:metadata:domex_identity']">
    <sch:assert test="../../../@tdf:scope='TDO' or ../../../@tdf:scope='TDC'"
      flag="error"
      role="error">[DOMEX_ID_00009][Error The DOMEX assertion must have a scope of either TDO or TDC.</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.9 - ../Rules/GeneralConstraints/DOMEX_ID_00010.sch

Rule Description

[DOMEX-ID-00010][Error] Regardless of the version indicated on the instance document, the validation infrastructure MUST use a version of 'IRM' that is version '202111' (Version:2021-NOV) or later. NOTE: This is not an error of the instance document but of the validation environment itself.

This rule uses an abstract pattern to consolidate logic. It verifies that the validation infrastructure is using the version specified in parameters.

Schematron Code

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

<sch:pattern id="DOMEX-ID-00010" is-a="ValidateValidationEnvSchema">
    <sch:param name="MinVersion" value="'202111'"/>
    <sch:param name="SpecToCheck" value="'IRM'"/>
    <sch:param name="pathToDocument" value="'../Schema/IRM/IC-IRM.xsd'"/>
    <sch:param name="RuleID" value="'DOMEX-ID-00010'"/>
</sch:pattern>
```

2.10 - ../Rules/GeneralConstraints/DOMEX_ID_00011.sch

Rule Description

[DOMEX-ID-00011][Error] Regardless of the version indicated on the instance document, the validation infrastructure MUST use a version of 'IC-EDH' that is version '201903' (Version:2019-MAR) or later. NOTE: This is not an error of the instance document but of the validation environment itself.

This rule uses an abstract pattern to consolidate logic. It verifies that the validation infrastructure is using the version specified in parameters.

Schematron Code

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

<sch:pattern id="DOMEX-ID-00011" is-a="ValidateValidationEnvSchema">
    <sch:param name="MinVersion" value="'201903'"/>
    <sch:param name="SpecToCheck" value="'IC-EDH'"/>
    <sch:param name="pathToDocument" value="'../Schema/IC-EDH/IC-EDH.xsd'"/>
    <sch:param name="RuleID" value="'DOMEX-ID-00011'"/>
</sch:pattern>
```

2.11 - `./Rules/GeneralConstraints/DOMEX_ID_00012.sch`

Rule Description

[DOMEX_ID_00012][Warning] DESVersion attribute SHOULD be specified as version 202111 (Version:2021-NOV) with an optional extension.

Code Description

This rule checks the root element of a DOMEX assertion to ensure it has the appropriate DESVersion and supports extending the version identifier with an optional trailing hyphen and up to 23 additional characters. The version must match the regular expression “^202111(-.{1,23})?\$”.

Schematron Code

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

<sch:pattern xmlns:domex="urn:us:mil:ces:metadata:domex"
             xmlns:Identity="urn:us:mil:ces:metadata:domex_identity"
             xmlns:cr="urn:CellexReport"
             id="DOMEX-ID-00012">
  <sch:rule id="DOMEX-ID-00012-R1"
           context="tdf:StructuredStatement/*[namespace-uri() = 'urn:us:mil:ces:metadata:domex']">
    <sch:assert test="matches(@domex:DESVersion, '^202111(\-.{1,23})?$', 'Warning')"
               flag="Warning"
               role="Warning">[DOMEX_ID_00012][Warning] DESVersion attribute SHOULD be specified as version 202111 (Version:2021-NOV) with an optional extension. The value
provided was:
    <sch:value-of select="@domex:DESVersion"/>
  </sch:assert>
</sch:rule>
  <sch:rule id="DOMEX-ID-00012-R2"
           context="tdf:StructuredStatement/*[namespace-uri() = 'urn:CellexReport']">
    <sch:assert test="matches(@cr:DESVersion, '^202111(\-.{1,23})?$', 'Warning')"
               flag="Warning"
               role="Warning">[DOMEX_ID_00012][Warning] DESVersion attribute SHOULD be specified as version 202111 (Version:2021-NOV) with an optional extension. The value
provided was:
    <sch:value-of select="@cr:DESVersion"/>
  </sch:assert>
</sch:rule>
  <sch:rule id="DOMEX-ID-00012-R3"
           context="tdf:StructuredStatement/*[namespace-uri() = 'urn:us:mil:ces:metadata:domex_identity']">
    <sch:assert test="matches(@Identity:DESVersion, '^202111(\-.{1,23})?$', 'Warning')"
               flag="Warning"
               role="Warning">[DOMEX_ID_00012][Warning] DESVersion attribute SHOULD be specified as version 202111 (Version:2021-NOV) with an optional extension. The value
provided was:
    <sch:value-of select="@Identity:DESVersion"/>
  </sch:assert>
</sch:rule>
</sch:pattern>
```

2.12 - ../Rules/GeneralConstraints/DOMEX_ID_00013.sch

Rule Description

[DOMEX-ID-00013][Error] Regardless of the version indicated on the instance document, the validation infrastructure MUST use a version of 'USAgency' that is version '201703.201802' (Version:2017-MAR Revision:2018-FEB) or later. NOTE: This is not an error of the instance document but of the validation environment itself.

Code Description

This rule uses an abstract pattern to consolidate logic. It verifies that the validation infrastructure is using the version specified in parameters.

Schematron Code

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

<sch:pattern id="DOMEX-ID-00013" is-a="ValidateValidationEnvCVE">
    <sch:param name="MinVersion" value="'201703.201802'"/>
    <sch:param name="SpecToCheck" value="'USAgency'"/>
    <sch:param name="pathToDocument"
        value="'../../CVE/USAgency/CVEnumUSAgencyAcronym.xml'"/>
    <sch:param name="RuleID" value="'DOMEX-ID-00013'"/>
</sch:pattern>
```

2.13 - ../Rules/GeneralConstraints/DOMEX_ID_00014.sch

Rule Description

[DOMEX-ID-00014][Error] Regardless of the version indicated on the instance document, the validation infrastructure MUST use a version of 'MIME' that is version '202010' (Version:2020-OCT) or later. NOTE: This is not an error of the instance document but of the validation environment itself.

Code Description

This rule uses an abstract pattern to consolidate logic. It verifies that the validation infrastructure is using the version specified in parameters.

Schematron Code

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

<sch:pattern id="DOMEX-ID-00014" is-a="ValidateValidationEnvCVE">
    <sch:param name="MinVersion" value="'202010'"/>
    <sch:param name="SpecToCheck" value="'MIME'"/>
    <sch:param name="pathToDocument" value="'../.. /CVE/MIME/CVEnumMIMEType.xml'"/>
    <sch:param name="RuleID" value="'DOMEX-ID-00014'"/>
</sch:pattern>
```

Chapter 3 - Abstract Patterns

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

3.1 - ./Lib/ValidateValidationEnvCVE.sch

Code Description

This abstract pattern checks to see if the validation environment has at least the version / revision of the CVE as of the writing of this specification. The calling rule must pass in \$MinVersion, \$SpecToCheck, \$pathToDocument, \$RuleID.

Schematron Code

```
<!--
  This abstract pattern checks to see the version of a CVE is greater than or equal to a passed in parameter.

  $MinVersion      := the version that SpecToCheck must be equal to or greater than.
  $SpecToCheck     := Name the spec whose version in the infrastructure is being checked.
  $pathToDocument  := Relative path to the document cve that has ther version string
  $RuleID          := The number of the rule in the concrete file.
-->

<sch:pattern xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              abstract="true"
              id="ValidateValidationEnvCVE">
  <sch:rule id="ValidateValidationEnvCVE-R1" context="/">
    <sch:assert test="document($pathToDocument)//cve:CVE//@specVersion castable as xs:double and document($pathToDocument)//cve:CVE//@specVersion >= $MinVersion"
               flag="error"
               role="error">[
  <sch:value-of select="$RuleID"/>][Error] Version [
  <sch:value-of select="document($pathToDocument)//cve:CVE//@specVersion"/>] of
  <sch:value-of select="$SpecToCheck"/>found; Version [
  <sch:value-of select="$MinVersion"/>] or later is required. The latest version of
  <sch:value-of select="$SpecToCheck"/>is not being used in the validation infrastructure. Regardless of the version indicated on the instance document, the validation infrastructure needs
to use a version of
  <sch:value-of select="$SpecToCheck"/>that is version [
  <sch:value-of select="$MinVersion"/>] or later. NOTE: This is not an error of the instance document but of the validation environment itself. The incorrect value was found in
  <sch:value-of select="document-uri(document($pathToDocument))"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

3.2 - ./Lib/ValidateValidationEnvSchema.sch

Code Description

This abstract pattern checks to see if the validation environment has at least the version / revision of the Schema as of the writing of this specification. The calling rule must pass in \$MinVersion, \$SpecToCheck, \$pathToDocument, \$RuleID.

Schematron Code

```
<!--
  This abstract pattern checks to see the version of a Schema is greater than or equal to a passed in parameter.

  $MinVersion      := the version that SpecToCheck must be equal to or greater than.
  $SpecToCheck     := Name the spec whose version in the infrastructure is being checked.
  $pathToDocument  := Relative path to the document xsd that has ther version string
  $RuleID          := The number of the rule in the concrete file.
-->

<sch:pattern xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
             abstract="true"
             id="ValidateValidationEnvSchema">
  <sch:rule id="ValidateValidationEnvSchema-R1" context="/">
    <sch:assert test="document($pathToDocument)//xsd:schema/@version castable as xs:double and document($pathToDocument)//xsd:schema/@version >= $MinVersion"
               flag="error"
               role="error">[
  <sch:value-of select="$RuleID"/>][Error] Version [
  <sch:value-of select="document($pathToDocument)//xsd:schema/@version"/>] of
  <sch:value-of select="$SpecToCheck"/>found; Version [
  <sch:value-of select="$MinVersion"/>] or later is required. The latest version of
  <sch:value-of select="$SpecToCheck"/>is not being used in the validation infrastructure. Regardless of the version indicated on the instance document, the validation infrastructure needs
to use a version of
  <sch:value-of select="$SpecToCheck"/>that is version [
  <sch:value-of select="$MinVersion"/>] or later. NOTE: This is not an error of the instance document but of the validation environment itself. The incorrect value was found in
  <sch:value-of select="document-uri(document($pathToDocument))"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

Chapter 4 - Schematron Schema

The top level Schematron file for DOMEX is in this section. This file imports all of the others and also defines many global variables they are all dependent on.

4.1 - `./DOMEX_XML.sch`

Code Description

This is the root file for the specifications Schematron ruleset. It loads all of the required CVEs, and includes all of the Rule .sch files.

Schematron Code

```
<!--UNCLASSIFIED-->
<?ICEA master?>
<!-- Notices - Distribution Notice:
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-->
<!-- WARNING:
    Once compiled into an XSLT the result will
    be the aggregate classification of all the CVES
    and included .sch files
-->

<sch:schema queryBinding="xslt2">
    <sch:ns uri="http://www.w3.org/1999/xlink" prefix="xlink"/>
    <sch:ns uri="http://www.w3.org/2001/XMLSchema" prefix="xs"/>
    <sch:ns uri="urn:us:gov:ic:ism" prefix="ism"/>
    <sch:ns uri="urn:us:gov:ic:irm" prefix="irm"/>
    <sch:ns uri="urn:us:gov:ic:arh" prefix="arh"/>
    <sch:ns uri="urn:us:gov:ic:tdf" prefix="tdf"/>
    <sch:ns uri="urn:us:mil:ces:metadata:domex" prefix="domex"/>
    <sch:ns uri="urn:us:mil:ces:metadata:domex_identity" prefix="Identity"/>
    <sch:ns uri="urn:CellexReport" prefix="cr"/>
    <sch:ns uri="urn:us:gov:ic:irm" prefix="irm"/>
    <sch:ns uri="urn:us:gov:ic:cve" prefix="cve"/>
    <!-- ***** -->

<!-- * Abstract Rule and Pattern Includes * -->
<!-- ***** -->

<sch:include href="./Lib/ValidateValidationEnvSchema.sch"/>
    <sch:include href="./Lib/ValidateValidationEnvCVE.sch"/>
    <!--*****-->

<!-- (U) DOMEX Phases -->
<!--*****-->
<!--*****-->
<!-- (U) DOMEX ID Rules -->
<!--*****-->
<!--(U) GeneralConstraints-->

<sch:include href="./Rules/GeneralConstraints/DOMEX_ID_00001.sch"/>
    <sch:include href="./Rules/GeneralConstraints/DOMEX_ID_00003.sch"/>
    <sch:include href="./Rules/GeneralConstraints/DOMEX_ID_00004.sch"/>
    <sch:include href="./Rules/GeneralConstraints/DOMEX_ID_00005.sch"/>
    <sch:include href="./Rules/GeneralConstraints/DOMEX_ID_00006.sch"/>
    <sch:include href="./Rules/GeneralConstraints/DOMEX_ID_00007.sch"/>
    <sch:include href="./Rules/GeneralConstraints/DOMEX_ID_00008.sch"/>
    <sch:include href="./Rules/GeneralConstraints/DOMEX_ID_00009.sch"/>
    <sch:include href="./Rules/GeneralConstraints/DOMEX_ID_00010.sch"/>
    <sch:include href="./Rules/GeneralConstraints/DOMEX_ID_00011.sch"/>
    <sch:include href="./Rules/GeneralConstraints/DOMEX_ID_00012.sch"/>
    <sch:include href="./Rules/GeneralConstraints/DOMEX_ID_00013.sch"/>
    <sch:include href="./Rules/GeneralConstraints/DOMEX_ID_00014.sch"/>
    <!--*****-->
```

```
<!-- (U) DOMEX Phases -->  
<!--*****-->  
</sch:schema>  
  
      <!--UNCLASSIFIED-->
```

Chapter 5 - Removed Rules

All of the numbered Rules for DOMEX that have been removed are listed in this section. This section is just a reference for what rule numbers have been dropped. In many but not all cases there will be a reason listed. In all cases the version that the rule was dropped in is listed.

5.1 - `./Rules/deleted/DOMEX_ID_00002.sch`

Rule Description

[DOMEX_ID_00002][Error] Rule removed in V2021-NOV.