



Guide to Schemas for IC-GENC

IC-GENC Schema Guide

Version 2021-NOV

December 1, 2022

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Chapter 1 - Introduction

1.1 - Purpose

This is an informative supplement for IC-GENC. This guide is generated from the IC-GENC Schemas and provides a consolidated reference for the schemas of this specification.

Chapter 2 - Schema Files

2.1 - IC-GENC.xsd

```
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
            xmlns:xhtml="http://www.w3.org/1999/xhtml-StopBrowserRendering"
            xmlns:gcc="urn:us:gov:ic:cenum:gencc:country"
            xmlns:gsd="urn:us:gov:ic:cenum:gencc:subdivision"
            targetNamespace="urn:us:gov:ic:icgencc"
            attributeFormDefault="qualified"
            elementFormDefault="qualified"
            xml:lang="en"
            ism:compliesWith="USGov USIC"
            ism:resourceElement="true"
            ism:createDate="2019-09-18"
            ism:DESVersion="202111"
            ism:ISMCAICESVersion="202205"
            ism:classification="U"
            ism:ownerProducer="USA"
            version="202111">

    <xs:annotation>
        <xs:documentation>
            <xhtml:h1 ism:ownerProducer="USA" ism:classification="U">Intelligence Community
Technical Specification XML CVE Encoding Specification for Geopolitical Entities,
Names, and Codes IC-GENC (IC-GENC.XML)</xhtml:h1>
        </xs:documentation>

        <xs:documentation>
            <xhtml:h2 ism:ownerProducer="USA" ism:classification="U">Notices</xhtml:h2>
            <xhtml:p ism:ownerProducer="USA" ism:classification="U"> Distribution Notice:
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        </xhtml:p>
        </xs:documentation>
        <xs:documentation>
            <xhtml:h2 ism:ownerProducer="USA" ism:classification="U">Description</xhtml:h2>
            <xhtml:p ism:ownerProducer="USA" ism:classification="U"> W3C XML Schema for the XML CVE
Encoding Specification for Geopolitical Entities, Names, and Codes (IC-GEN.XML).
        </xhtml:p>
        </xs:documentation>
        <xs:documentation>
            <xhtml:h2 ism:ownerProducer="USA" ism:classification="U">Introduction</xhtml:h2>
            <xhtml:p ism:ownerProducer="USA" ism:classification="U"> This XML Schema file is one
component of the XML CVE Encoding Specification (CES). Please see the document
titled <xhtml:i>
                <xhtml:a href="../../Documents/IC-GENC/CesGENCCxml.pdf">XML CVE Encoding
Specification for Geopolitical Entities, Names, and Codes</xhtml:a>
            </xhtml:i> for a complete description of the encoding as well as list of all
components. </xhtml:p>
            <xhtml:p ism:ownerProducer="USA" ism:classification="U"> It is envisioned that this
schema or its components, as well as other parts of the CES may be overridden for
localized implementations. Therefore, permission to use, copy, modify and distribute
```

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this XML Schema and the other parts of the CES for any purpose is hereby granted in
perpetuity. </xhtml:p>
    <xhtml:p ism:ownerProducer="USA" ism:classification="U"> Please reference the preceding
two paragraphs in all copies or variations. The developers make no representation
about the suitability of the schema or CES for any purpose. It is provided "as is"
without expressed or implied warranty. </xhtml:p>
    <xhtml:p ism:ownerProducer="USA" ism:classification="U"> If you modify this XML Schema
in any way label your schema as a variant of IC-GENC.XML. </xhtml:p>
    <xhtml:p ism:ownerProducer="USA" ism:classification="U"> Please direct all questions,
bug reports, or suggestions for changes to the points of contact identified in the
document referenced above. </xhtml:p>
</xs:documentation>
<xs:documentation>
    <xhtml:h2 ism:ownerProducer="USA" ism:classification="U">Implementation Notes</xhtml:h2>
    <xhtml:p ism:ownerProducer="USA" ism:classification="U"> IC-GENC does not have a root
node. There are one or more peer elements that reference each of its CVE schema
fragments.</xhtml:p>
</xs:documentation>
<xs:documentation>
    <xhtml:h2 ism:ownerProducer="USA" ism:classification="U">Creators</xhtml:h2>
    <xhtml:p ism:ownerProducer="USA" ism:classification="U">Office of the Director of
National Intelligence Community Chief Information Officer</xhtml:p>
</xs:documentation>
</xs:annotation>

<!--*****-->

<xs:import namespace="urn:us:gov:ic:cvenum:genc:country"
    schemaLocation="CVEGenerated/CVEnumGENCCountryCode.xsd"/>
<xs:import namespace="urn:us:gov:ic:cvenum:genc:subdivision"
    schemaLocation="CVEGenerated/CVEnumGENCSubDivisionCode.xsd"/>
<!--*****-->

<xs:attribute name="CESVersion">
    <xs:annotation>
        <xs:documentation xml:lang="en">
            <xhtml:p ism:ownerProducer="USA" ism:classification="U"> The version number of the
CES </xhtml:p>
        </xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:string">
            <xs:pattern value="[0-9]{6}(\.[0-9]{6})?(\-{1,23})?" />
        </xs:restriction>
    </xs:simpleType>
</xs:attribute>

<xs:element name="Country" type="gcc:CVEnumGENCCountryCode">
    <xs:annotation>
        <xs:documentation xml:lang="en">
            <xhtml:p ism:ownerProducer="USA" ism:classification="U">An element for specifying an
IC-GENC geopolitical country code trigraph.</xhtml:p>
        </xs:documentation>
```

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    </xs:annotation>
  </xs:element>

  <xs:attribute name="country" type="gcc:CVEEnumGENCCountryCode">
    <xs:annotation>
      <xs:documentation xml:lang="en">
        <xhtml:p ism:ownerProducer="USA" ism:classification="U">An attribute for specifying
an IC-GENC geopolitical country code trigraph.</xhtml:p>
      </xs:documentation>
    </xs:annotation>
  </xs:attribute>

  <xs:element name="SubDivision" type="gsd:CVEEnumGENCSubDivisionCode">
    <xs:annotation>
      <xs:documentation xml:lang="en">
        <xhtml:p ism:ownerProducer="USA" ism:classification="U">An element for specifying an
IC-GENC geopolitical administrative subdivision.</xhtml:p>
      </xs:documentation>
    </xs:annotation>
  </xs:element>

  <xs:attribute name="issue" type="gsd:CVEEnumGENCSubDivisionCode">
    <xs:annotation>
      <xs:documentation xml:lang="en">
        <xhtml:p ism:ownerProducer="USA" ism:classification="U">An attribute for specifying
an IC-GENC geopolitical administrative subdivision.</xhtml:p>
      </xs:documentation>
    </xs:annotation>
  </xs:attribute>

  <xs:annotation>
    <xs:documentation>
      <xhtml:h2 ism:ownerProducer="USA" ism:classification="U">Formal Change List</xhtml:h2>
      <xhtml:table ism:ownerProducer="USA" ism:classification="U" id="ChangeHistory">
        <xhtml:caption>Change History</xhtml:caption>
        <xhtml:thead>
          <xhtml:tr>
            <th>Version</th>
            <th>Date</th>
            <th>By</th>
            <th>Description</th>
          </xhtml:tr>
        </xhtml:thead>
        <xhtml:tbody>
          <xhtml:tr>
            <xhtml:td>2016-SEP</xhtml:td>
            <xhtml:td>2016-02-17</xhtml:td>
            <xhtml:td>ODNI/IC CIO/IAD</xhtml:td>
            <xhtml:td>The schema change logs is not maintained as of the 2016-SEP
release. For changes to schema as of and after 2016-SEP, reference the
change history in the CES. </xhtml:td>
          </xhtml:tr>
        </xhtml:tbody>
      </xhtml:table>
    </xs:documentation>
  </xs:annotation>

```

```

                </xhtml:tbody>
            </xhtml:table>
        </xs:documentation>
    </xs:annotation>
</xs:schema>
```