



# **XML Examples for NTK**

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## **NTK-Examples**

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## **Chapter 1 - Introduction**

### **1.1 - Purpose**

This is an informative supplement for NTK. This document provides concrete examples of XML files implementing NTK elements and attributes.

### **1.2 - Overview**

Chapter 2 contains the code listings of all example files for NTK.

Chapter 2 - Example Files Code Listings

2.1 - CustomGroup-Example1.xml

```
<?xml-model href="../../../Schematron/ISM/ISM_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/NTK/NTK_XML.sch"
type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - distEditionBlockReplace--><!-- All classification marks in this example are --><!-- for
illustrative purposes only, there are no --><!-- actual classified data contained in this example --><test:root xmlns:test="test:ntk"
  xmlns:ntk="urn:us:gov:ic:ntk"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  ism:compliesWith="USGov USIC"
  ism:resourceElement="true"
  ntk:DESVersion="201508"
  ism:createDate="9999-11-11"
  ism:DESVersion="201609.201707"
  ism:ISMCATCESVersion="201709"
  ism:classification="U"
  ism:ownerProducer="USA"
  xsi:schemaLocation="test:ntk ./test_ntk.xsd">
  <ntk:Access ism:classification="U" ism:ownerProducer="USA">
    <ntk:RequiresAnyOf><!-- Sample file restricting use to the people in SourceForge who
Have the "SourceView" role in the "Data Standards Coordination Activity" project -->
<ntk:AccessProfileList>
  <ntk:AccessProfile ism:classification="U" ism:ownerProducer="USA">
    <ntk:AccessPolicy>UnclassSourceForge</ntk:AccessPolicy>
    <ntk:ProfileDes>guide://999990/exampleProfileDES</ntk:ProfileDes>
    <ntk:VocabularyType ntk:name="group:projectName" ntk:source="sourceforge:projects"/>
    <ntk:VocabularyType ntk:name="group:role" ntk:source="sorceforge:roles"/>
    <ntk:AccessProfileValue ntk:vocabulary="group:projectName">Data Standards Coordination Activity</ntk:AccessProfileValue>
    <ntk:AccessProfileValue ntk:vocabulary="group:role">SourceView</ntk:AccessProfileValue>
  </ntk:AccessProfile>
</ntk:AccessProfileList>
</ntk:RequiresAnyOf>
</ntk:Access>
  <test:portion ism:classification="U" ism:ownerProducer="USA">An NTK portion</test:portion>
</test:root>
```

## 2.2 - CustomGroup-Example2.xml

```
<?xml-model href="../../../Schematron/ISM/ISM_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/NTK/NTK_XML.sch"
type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - distEditionBlockReplace--><!-- All classification marks in this example are --><!-- for
illustrative purposes only, there are no --><!-- actual classified data contained in this example --><test:root xmlns:test="test:ntk"
    xmlns:ntk="urn:us:gov:ic:ntk"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    ism:compliesWith="USGov USIC"
    ism:resourceElement="true"
    ntk:DESVersion="201508"
    ism:createDate="9999-11-11"
    ism:DESVersion="201609.201707"
    ism:ISMCAICESVersion="201709"
    ism:classification="U"
    ism:ownerProducer="USA"
    xsi:schemaLocation="test:ntk ./test_ntk.xsd">
  <ntk:Access ism:classification="U" ism:ownerProducer="USA">
    <ntk:RequiresAnyOf><!-- Sample file restricting use to the people in SourceForge who
Have are members of the Wheel or SuperUser groups in the Bob LDAP -->
<AccessProfileList xmlns="urn:us:gov:ic:ntk">
  <AccessProfile ism:classification="U" ism:ownerProducer="USA">
    <AccessPolicy>urn:us:gov:ic:aces:ntk:permissive</AccessPolicy>
    <ProfileDes>urn:us:gov:ic:ntk:profile:grp-ind</ProfileDes>
    <VocabularyType ntk:name="group:bob_ldap" ntk:source="Bob_LDAP"/>
    <AccessProfileValue ntk:vocabulary="group:bob_ldap">Wheel</AccessProfileValue>
    <AccessProfileValue ntk:vocabulary="group:bob_ldap">SuperUser</AccessProfileValue>
  </AccessProfile>
</AccessProfileList>
</ntk:RequiresAnyOf>
</ntk:Access>
</test:root>
```

## 2.3 - CustomGroup-Example3.xml

```
<?xml-model href="../../../Schematron/ISM/ISM_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/NTK/NTK_XML.sch"
type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - distEditionBlockReplace--><!-- All classification marks in this example are --><!-- for
illustrative purposes only, there are no --><!-- actual classified data contained in this example --><test:root xmlns:test="test:ntk"
  xmlns:ntk="urn:us:gov:ic:ntk"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  ism:compliesWith="USGov USIC"
  ism:resourceElement="true"
  ntk:DESVersion="201508"
  ism:createDate="9999-11-11"
  ism:DESVersion="201609.201707"
  ism:ISMCAICESVersion="201709"
  ism:classification="U"
  ism:ownerProducer="USA"
  xsi:schemaLocation="test:ntk ./test_ntk.xsd">
  <ntk:ExternalAccess ntk:externalReference="true"
    ism:classification="U"
    ism:ownerProducer="USA">
    <ntk:RequiresAnyOf><!-- Sample file restricting use to the people in external SourceForge resource who
are members of the Wheel or SuperUser groups in the Bob LDAP, or members of
the Wheel or SuperUser groups in the Chris LDAP -->
    <AccessProfileList xmlns="urn:us:gov:ic:ntk">
      <AccessProfile ism:classification="U" ism:ownerProducer="USA">
        <AccessPolicy>urn:us:gov:ic:aces:ntk:permissive</AccessPolicy>
        <ProfileDes>urn:us:gov:ic:ntk:profile:grp-ind</ProfileDes>
        <VocabularyType ntk:name="group:bob_ldap" ntk:source="Bob_LDAP"/>
        <AccessProfileValue ntk:vocabulary="group:bob_ldap">Wheel</AccessProfileValue>
        <AccessProfileValue ntk:vocabulary="group:bob_ldap">SuperUser</AccessProfileValue>
      </AccessProfile>
      <AccessProfile ism:classification="U" ism:ownerProducer="USA">
        <AccessPolicy>urn:us:gov:ic:aces:ntk:permissive</AccessPolicy>
        <ProfileDes>urn:us:gov:ic:ntk:profile:grp-ind</ProfileDes>
        <VocabularyType ntk:name="group:chris_ldap" ntk:source="Chris_LDAP"/>
        <AccessProfileValue ntk:vocabulary="group:chris_ldap">Wheel</AccessProfileValue>
        <AccessProfileValue ntk:vocabulary="group:chris_ldap">SuperUser</AccessProfileValue>
      </AccessProfile>
    </AccessProfileList>
  </ntk:RequiresAnyOf>
</ntk:ExternalAccess>
</test:root>
```

## 2.4 - CustomGroup-Example4.xml

```
<?xml-model href="../../../Schematron/ISM/ISM_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/NTK/NTK_XML.sch"
type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - distEditionBlockReplace--><!-- All classification marks in this example are --><!-- for
illustrative purposes only, there are no --><!-- actual classified data contained in this example --><test:root xmlns:test="test:ntk"
  xmlns:ntk="urn:us:gov:ic:ntk"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  ism:compliesWith="USGov USIC"
  ism:resourceElement="true"
  ntk:DESVersion="201508"
  ism:createDate="9999-11-11"
  ism:DESVersion="201609.201707"
  ism:ISMCA TCESVersion="201709"
  ism:classification="U"
  ism:ownerProducer="USA"
  xsi:schemaLocation="test:ntk ./test_ntk.xsd">
  <ntk:Access ism:classification="U" ism:ownerProducer="USA">
    <ntk:RequiresAllOf><!-- Sample file restricting use to the people in SourceForge who
are members of the Wheel or SuperUser groups in the Bob LDAP
and to the people who are members of the Admin or bob groups
in Chris_LDAP. Also demonstrating how multiple systems can be
listed in a portion-->
    <AccessProfileList xmlns="urn:us:gov:ic:ntk">
      <AccessProfile ism:classification="U" ism:ownerProducer="USA">
        <AccessPolicy>urn:us:gov:ic:aces:ntk:permissive</AccessPolicy>
        <ProfileDes>urn:us:gov:ic:ntk:profile:grp-ind</ProfileDes>
        <VocabularyType ntk:name="group:bob_ldap" ntk:source="Bob_LDAP"/>
        <AccessProfileValue ntk:vocabulary="group:bob_ldap">Wheel</AccessProfileValue>
        <AccessProfileValue ntk:vocabulary="group:bob_ldap">SuperUser</AccessProfileValue>
      </AccessProfile>
    </AccessProfileList>
    <ntk:RequiresAnyOf>
      <AccessProfileList xmlns="urn:us:gov:ic:ntk">
        <AccessProfile ism:classification="U" ism:ownerProducer="USA">
          <AccessPolicy>urn:us:gov:ic:aces:ntk:permissive</AccessPolicy>
          <ProfileDes>urn:us:gov:ic:ntk:profile:grp-ind</ProfileDes>
          <VocabularyType ntk:name="group:chris_ldap" ntk:source="Chris_LDAP"/>
          <AccessProfileValue ntk:vocabulary="group:chris_ldap">Admin</AccessProfileValue>
          <AccessProfileValue ntk:vocabulary="group:chris_ldap">bob</AccessProfileValue>
        </AccessProfile>
      </AccessProfileList>
    </ntk:RequiresAnyOf>
  </ntk:RequiresAllOf>
</ntk:Access>
  <test:portion ism:classification="U" ism:ownerProducer="USA"/>
</test:root>
```

## 2.5 - CustomGroupInd-Example1.xml

```
<?xml-model href="../../../Schematron/ISM/ISM_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/NTK/NTK_XML.sch"
type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - distEditionBlockReplace--><!-- All classification marks in this example are --><!-- for
illustrative purposes only, there are no --><!-- actual classified data contained in this example --><test:root xmlns:test="test:ntk"
  xmlns:ntk="urn:us:gov:ic:ntk"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  ism:compliesWith="USGov USIC"
  ism:resourceElement="true"
  ntk:DESVersion="201508"
  ism:createDate="9999-11-11"
  ism:DESVersion="201609.201707"
  ism:ISMCA TCESVersion="201709"
  ism:classification="U"
  ism:ownerProducer="USA"
  xsi:schemaLocation="test:ntk ./test_ntk.xsd">
  <ntk:Access ism:classification="U" ism:ownerProducer="USA">
    <ntk:RequiresAllOf><!-- Sample file restricting use to the people in SourceForge who
are members of the Wheel or SuperUser groups in the Bob LDAP
and to the users bobstuart, wheedletonc, or jcrown -->
    <AccessProfileList xmlns="urn:us:gov:ic:ntk">
      <AccessProfile ism:classification="U" ism:ownerProducer="USA">
        <AccessPolicy>urn:us:gov:ic:aces:ntk:permissive</AccessPolicy>
        <ProfileDes>urn:us:gov:ic:ntk:profile:grp-ind</ProfileDes>
        <VocabularyType ntk:name="group:bob_ldap" ntk:source="Bob_LDAP"/>
        <AccessProfileValue ntk:vocabulary="group:bob_ldap">Wheel</AccessProfileValue>
        <AccessProfileValue ntk:vocabulary="group:bob_ldap">SuperUser</AccessProfileValue>
      </AccessProfile>
      <AccessProfile ism:classification="U" ism:ownerProducer="USA">
        <AccessPolicy>urn:us:gov:ic:aces:ntk:permissive</AccessPolicy>
        <ProfileDes>urn:us:gov:ic:ntk:profile:grp-ind</ProfileDes>
        <VocabularyType ntk:name="individual:unclasssourceforge"
          ntk:source="UnclassSourceForge"/>
        <AccessProfileValue ntk:vocabulary="individual:unclasssourceforge">bobstuart</AccessProfileValue>
        <AccessProfileValue ntk:vocabulary="individual:unclasssourceforge">wheedletonc</AccessProfileValue>
        <AccessProfileValue ntk:vocabulary="individual:unclasssourceforge">jcrown</AccessProfileValue>
      </AccessProfile>
    </AccessProfileList>
  </ntk:RequiresAllOf>
</ntk:Access>
</test:root>
```

## 2.6 - ICO-Example1.xml

```
<?xml-model href="../../../Schematron/ISM/ISM_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/NTK/NTK_XML.sch"
type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - distEditionBlockReplace--><!-- All classification marks in this example are --><!-- for
illustrative purposes only, there are no --><!-- actual classified data contained in this example --><test:root xmlns:test="test:ntk"
    xmlns:ntk="urn:us:gov:ic:ntk"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    ism:compliesWith="USGov USIC"
    ism:resourceElement="true"
    ntk:DESVersion="201508"
    ism:createDate="9999-11-11"
    ism:DESVersion="201609.201707"
    ism:ISMCACTCESVersion="201709"
    ism:classification="U"
    ism:ownerProducer="USA"
    xsi:schemaLocation="test:ntk ../NTK/test_ntk.xsd">
<ntk:Access ism:classification="U" ism:ownerProducer="USA">
  <ntk:RequiresAnyOf>
    <ntk:AccessProfileList>
      <ntk:AccessProfile ism:classification="U" ism:ownerProducer="USA">
        <ntk:AccessPolicy>urn:us:gov:ic:aces:ntk:ico</ntk:AccessPolicy>
      </ntk:AccessProfile>
    </ntk:AccessProfileList>
  </ntk:RequiresAnyOf>
</ntk:Access>
</test:root>
```

## 2.7 - License-Example1.xml

```
<?xml-model href="../../../Schematron/ISM/ISM_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/NTK/NTK_XML.sch"
type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - distEditionBlockReplace--><!-- All classification marks in this example are --><!-- for
illustrative purposes only, there are no --><!-- actual classified data contained in this example --><test:root xmlns:test="test:ntk"
    xmlns:ntk="urn:us:gov:ic:ntk"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    ism:compliesWith="USGov USIC"
    ntk:DESVersion="201508"
    ism:resourceElement="true"
    ism:createDate="9999-11-11"
    ism:DESVersion="201609.201707"
    ism:ISMCAICESVersion="201709"
    ism:classification="U"
    ism:ownerProducer="USA"
    xsi:schemaLocation="test:ntk ./test_ntk.xsd">
  <ntk:Access ism:classification="U" ism:ownerProducer="USA">
    <ntk:RequiresAnyOf><!-- Sample file restricting use to authorized users based on license agreement defined by osc1. -->
<AccessProfileList xmlns="urn:us:gov:ic:ntk">
  <AccessProfile ism:classification="U" ism:ownerProducer="USA">
    <AccessPolicy>urn:us:gov:ic:aces:ntk:license</AccessPolicy>
    <ProfileDes>urn:us:gov:ic:ntk:profile:datasphere</ProfileDes>
    <VocabularyType ntk:name="datasphere:license" ntk:sourceVersion="201508"/>
    <AccessProfileValue ntk:vocabulary="datasphere:license">osc1</AccessProfileValue>
  </AccessProfile>
</AccessProfileList>
</ntk:RequiresAnyOf>
</ntk:Access>
</test:root>
```

2.8 - MN-Example1.xml

```
<?xml-model href="../../../Schematron/ISM/ISM_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/NTK/NTK_XML.sch"
type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - distEditionBlockReplace--><!-- All classification marks in this example are --><!-- for
illustrative purposes only, there are no --><!-- actual classified data contained in this example --><test:root xmlns:test="test:ntk"
    xmlns:ntk="urn:us:gov:ic:ntk"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    ism:compliesWith="USGov USIC"
    ntk:DESVersion="201508"
    ism:resourceElement="true"
    ism:createDate="2012-05-28"
    ism:DESVersion="201609.201707"
    ism:ISMCAICESVersion="201709"
    ism:classification="U"
    ism:ownerProducer="USA"
    xsi:schemaLocation="test:ntk ../../Examples/NTK/test_ntk.xsd"><!-- Example file to limit access to users with mission need profile containing at least one group and
one issue listed -->
    <ntk:Access xsi:schemaLocation="urn:us:gov:ic:ntk ../../../../../../Schema/NTK/IC-NTK.xsd"
        ism:classification="U"
        ism:ownerProducer="USA">
        <ntk:RequiresAnyOf>
            <ntk:AccessProfileList>
                <ntk:AccessProfile ism:classification="U" ism:ownerProducer="USA">
                    <ntk:AccessPolicy>urn:us:gov:ic:aces:ntk:mn</ntk:AccessPolicy>
                    <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:datasphere</ntk:ProfileDes>
                    <ntk:VocabularyType ntk:name="datasphere:mn:issue" ntk:sourceVersion="201705"/>
                    <ntk:VocabularyType ntk:name="datasphere:mn:region" ntk:sourceVersion="201705"/>
                    <ntk:AccessProfileValue ntk:vocabulary="datasphere:mn:issue">DI</ntk:AccessProfileValue>
                    <ntk:AccessProfileValue ntk:vocabulary="datasphere:mn:issue">CST</ntk:AccessProfileValue>
                    <ntk:AccessProfileValue ntk:vocabulary="datasphere:mn:region">AFce</ntk:AccessProfileValue>
                    <ntk:AccessProfileValue ntk:vocabulary="datasphere:mn:region">AFea</ntk:AccessProfileValue>
                    <ntk:AccessProfileValue ntk:vocabulary="datasphere:mn:region">AFno</ntk:AccessProfileValue>
                </ntk:AccessProfile>
            </ntk:AccessProfileList>
        </ntk:RequiresAnyOf>
    </ntk:Access>
</test:root>
```

## 2.9 - ND-Example1.xml

```
<?xml-model href="../../../Schematron/ISM/ISM_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/NTK/NTK_XML.sch"
type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - distEditionBlockReplace--><!-- All classification marks in this example are --><!-- for
illustrative purposes only, there are no --><!-- actual classified data contained in this example --><test:root xmlns:test="test:ntk"
    xmlns:ntk="urn:us:gov:ic:ntk"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    ism:compliesWith="USGov USIC"
    ntk:DESVersion="201508"
    ism:resourceElement="true"
    ism:createDate="2012-05-28"
    ism:DESVersion="201609.201707"
    ism:ISMCAICESVersion="201709"
    ism:classification="U"
    ism:disseminationControls="NF"
    ism:ownerProducer="USA"
    ism:nonICmarkings="ND"
    xsi:schemaLocation="test:ntk ../NTK/test_ntk.xsd"><!-- Restrict access to only the specific individuals listed. -->
<ntk:Access xsi:schemaLocation="urn:us:gov:ic:ntk ../../../../../../Schema/NTK/IC-NTK.xsd"
    ism:classification="U"
    ism:ownerProducer="USA">
    <ntk:RequiresAllOf>
    <ntk:AccessProfileList>
    <ntk:AccessProfile ism:classification="U" ism:ownerProducer="USA">
    <ntk:AccessPolicy>urn:us:gov:ic:aces:ntk:nd</ntk:AccessPolicy>
    <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:grp-ind</ntk:ProfileDes>
    <ntk:AccessProfileValue ntk:vocabulary="individual:icpki">CN=John Doe,OU=Example,OU=GOV</ntk:AccessProfileValue>
    <ntk:AccessProfileValue ntk:vocabulary="individual:icpki">CN=Jane Smith,OU=Example,OU=GOV</ntk:AccessProfileValue>
    <ntk:AccessProfileValue ntk:vocabulary="individual:icpki">CN=John Public,OU=Example,OU=GOV</ntk:AccessProfileValue>
    <ntk:AccessProfileValue ntk:vocabulary="individual:icpki">CN=Sally Analyst,OU=Example,OU=GOV</ntk:AccessProfileValue>
    </ntk:AccessProfile>
    </ntk:AccessProfileList>
    </ntk:RequiresAllOf>
    </ntk:Access>
</test:root>
```

2.10 - ND-Example2.xml

```
<?xml-model href="../../../Schematron/ISM/ISM_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/NTK/NTK_XML.sch"
type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - distEditionBlockReplace--><!-- All classification marks in this example are --><!-- for
illustrative purposes only, there are no --><!-- actual classified data contained in this example --><test:root xmlns:test="test:ntk"
  xmlns:ntk="urn:us:gov:ic:ntk"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  ism:compliesWith="USGov USIC"
  ntk:DESVersion="201508"
  ism:resourceElement="true"
  ism:createDate="2012-05-28"
  ism:DESVersion="201609.201707"
  ism:ISMCAICESVersion="201709"
  ism:classification="U"
  ism:disseminationControls="NF"
  ism:ownerProducer="USA"
  ism:nonICmarkings="ND"
  xsi:schemaLocation="test:ntk ../NTK/test_ntk.xsd"><!-- Restrict access to only the specific individuals listed or members of
the IAAEMS group Group_A. Group_A is a notional group for this example. -->
<ntk:Access xsi:schemaLocation="urn:us:gov:ic:ntk ../../../../../../Schema/NTK/IC-NTK.xsd"
  ism:classification="U"
  ism:ownerProducer="USA">
  <ntk:RequiresAllOf>
    <ntk:AccessProfileList>
      <ntk:AccessProfile ism:classification="U" ism:ownerProducer="USA">
        <ntk:AccessPolicy>urn:us:gov:ic:aces:ntk:nd</ntk:AccessPolicy>
        <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:grp-ind</ntk:ProfileDes>
        <ntk:AccessProfileValue ntk:vocabulary="group:iaaems">Group_A</ntk:AccessProfileValue>
        <ntk:AccessProfileValue ntk:vocabulary="individual:icpki">CN=John Doe,OU=Example,OU=GOV</ntk:AccessProfileValue>
        <ntk:AccessProfileValue ntk:vocabulary="individual:icpki">CN=Jane Smith,OU=Example,OU=GOV</ntk:AccessProfileValue>
        <ntk:AccessProfileValue ntk:vocabulary="individual:icpki">CN=John Public,OU=Example,OU=GOV</ntk:AccessProfileValue>
        <ntk:AccessProfileValue ntk:vocabulary="individual:icpki">CN=Sally Analyst,OU=Example,OU=GOV</ntk:AccessProfileValue>
      </ntk:AccessProfile>
    </ntk:AccessProfileList>
  </ntk:RequiresAllOf>
</ntk:Access>
</test:root>
```

## 2.11 - OC-Example1.xml

```
<?xml-model href="../../../Schematron/ISM/ISM_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/NTK/NTK_XML.sch"
type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - distEditionBlockReplace--><!-- All classification marks in this example are --><!-- for
illustrative purposes only, there are no --><!-- actual classified data contained in this example --><test:root xmlns:test="test:ntk"
  xmlns:ntk="urn:us:gov:ic:ntk"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  ism:compliesWith="USGov USIC"
  ism:resourceElement="true"
  ntk:DESVersion="201508"
  ism:createDate="9999-11-11"
  ism:DESVersion="201609.201707"
  ism:ISMCAICESVersion="201709"
  ism:classification="S"
  ism:ownerProducer="USA"
  ism:disseminationControls="OC NF"
  ism:classifiedBy="3343334"
  ism:classificationReason="NOT REALLY CLASSIFIED - EXAMPLE ONLY"
  ism:declassDate="2025-05-12"
  xsi:schemaLocation="test:ntk ../NTK/test_ntk.xsd">
<ntk:Access ism:classification="U" ism:ownerProducer="USA">
  <ntk:RequiresAnyOf>
    <ntk:AccessProfileList>
      <ntk:AccessProfile ism:classification="U" ism:ownerProducer="USA">
        <ntk:AccessPolicy>urn:us:gov:ic:aces:ntk:oc</ntk:AccessPolicy>
        <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:agencydissem</ntk:ProfileDes>
        <VocabularyType xmlns="urn:us:gov:ic:ntk"
          ntk:name="organization:usa-agency"
          ntk:sourceVersion="201502"/>
        <ntk:AccessProfileValue ntk:qualifier="originator" ntk:vocabulary="organization:usa-agency">CIA</ntk:AccessProfileValue>
        <ntk:AccessProfileValue ntk:qualifier="dissemto" ntk:vocabulary="organization:usa-agency">DNI</ntk:AccessProfileValue>
        <ntk:AccessProfileValue ntk:qualifier="dissemto" ntk:vocabulary="organization:usa-agency">NSA</ntk:AccessProfileValue>
      </ntk:AccessProfile>
    </ntk:AccessProfileList>
  </ntk:RequiresAnyOf>
</ntk:Access>
<test:portion ism:classification="S"
  ism:ownerProducer="USA"
  ism:disseminationControls="NF"/>
</test:root>
```

2.12 - Permissive-Example1.xml

```
<?xml-model href="../../../Schematron/ISM/ISM_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/NTK/NTK_XML.sch"
type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - distEditionBlockReplace--><!-- All classification marks in this example are --><!-- for
illustrative purposes only, there are no --><!-- actual classified data contained in this example --><test:root xmlns:test="test:ntk"
  xmlns:ntk="urn:us:gov:ic:ntk"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  ism:compliesWith="USGov USIC"
  ntk:DESVersion="201508"
  ism:resourceElement="true"
  ism:createDate="9999-11-11"
  ism:DESVersion="201609.201707"
  ism:ISMCA TCESVersion="201709"
  ism:classification="U"
  ism:ownerProducer="USA"
  xsi:schemaLocation="test:ntk ./test_ntk.xsd">
  <ntk:Access ism:classification="U" ism:ownerProducer="USA">
    <ntk:RequiresAnyOf><!-- Sample file restricting use to 3 people by their
  usernames in SourceForge -->
  <AccessProfileList xmlns="urn:us:gov:ic:ntk">
    <AccessProfile ism:classification="U" ism:ownerProducer="USA">
      <AccessPolicy>urn:us:gov:ic:aces:ntk:permissive</AccessPolicy>
      <ProfileDes>urn:us:gov:ic:ntk:profile:grp-ind</ProfileDes>
      <VocabularyType ntk:name="individual:unclasssourceforge"
        ntk:source="UnclassSourceForge"/>
      <AccessProfileValue ntk:vocabulary="individual:unclasssourceforge">bobstuart</AccessProfileValue>
      <AccessProfileValue ntk:vocabulary="individual:unclasssourceforge">wheedletonc</AccessProfileValue>
      <AccessProfileValue ntk:vocabulary="individual:unclasssourceforge">jcrown</AccessProfileValue>
    </AccessProfile>
  </AccessProfileList>
  </ntk:RequiresAnyOf>
</ntk:Access>
</test:root>
```

## 2.13 - Permissive-Example2.xml

```
<?xml-model href="../../../Schematron/ISM/ISM_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/NTK/NTK_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - distEditionBlockReplace--><!-- All classification marks in this example are --><!-- for illustrative purposes only, there are no --><!-- actual classified data contained in this example --><test:root xmlns:test="test:ntk"
  xmlns:ntk="urn:us:gov:ic:ntk"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  ism:compliesWith="USGov USIC"
  ntk:DESVersion="201508"
  ism:resourceElement="true"
  ism:createDate="9999-11-11"
  ism:DESVersion="201609.201707"
  ism:ISMCA TCESVersion="201709"
  ism:classification="U"
  ism:ownerProducer="USA"
  xsi:schemaLocation="test:ntk ./test_ntk.xsd">
  <ntk:Access ism:classification="U" ism:ownerProducer="USA">
    <ntk:RequiresAnyOf><!-- Sample file restricting use to users/entities that are members of at least
one of the IAAEMS groups listed. The group names in this example are notional. -->
    <AccessProfileList xmlns="urn:us:gov:ic:ntk">
      <AccessProfile ism:classification="U" ism:ownerProducer="USA">
        <AccessPolicy>urn:us:gov:ic:aces:ntk:permissive</AccessPolicy>
        <ProfileDes>urn:us:gov:ic:ntk:profile:grp-ind</ProfileDes>
        <AccessProfileValue ntk:vocabulary="group:iaaems">GROUP1</AccessProfileValue>
        <AccessProfileValue ntk:vocabulary="group:iaaems">GROUP2</AccessProfileValue>
        <AccessProfileValue ntk:vocabulary="group:iaaems">GROUP3</AccessProfileValue>
      </AccessProfile>
    </AccessProfileList>
  </ntk:RequiresAnyOf>
</ntk:Access>
</test:root>
```

## 2.14 - Propin-Example1.xml

```
<?xml-model href="../../../Schematron/ISM/ISM_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/NTK/NTK_XML.sch"
type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - distEditionBlockReplace--><!-- All classification marks in this example are --><!-- for
illustrative purposes only, there are no --><!-- actual classified data contained in this example --><test:root xmlns:test="test:ntk"
    xmlns:ntk="urn:us:gov:ic:ntk"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    ism:compliesWith="USGov USIC"
    ntk:DESVersion="201508"
    ism:resourceElement="true"
    ism:createDate="9999-11-11"
    ism:DESVersion="201609.201707"
    ism:ISMCA TCESVersion="201709"
    ism:classification="U"
    ism:ownerProducer="USA"
    ism:disseminationControls="PR"
    xsi:schemaLocation="test:ntk ./test_ntk.xsd">
  <ntk:Access ism:classification="U" ism:ownerProducer="USA">
    <ntk:RequiresAllOf><!-- Sample file restricting use US Gov't employees only. -->
      <AccessProfileList xmlns="urn:us:gov:ic:ntk">
        <AccessProfile ism:classification="U" ism:ownerProducer="USA">
          <AccessPolicy>urn:us:gov:ic:aces:ntk:propin:1</AccessPolicy>
        </AccessProfile>
      </AccessProfileList>
    </ntk:RequiresAllOf>
  </ntk:Access>
</test:root>
```

## 2.15 - Propin-Example2.xml

```
<?xml-model href="../../../Schematron/ISM/ISM_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/NTK/NTK_XML.sch"
type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - distEditionBlockReplace--><!-- All classification marks in this example are --><!-- for
illustrative purposes only, there are no --><!-- actual classified data contained in this example --><test:root xmlns:test="test:ntk"
  xmlns:ntk="urn:us:gov:ic:ntk"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  ism:compliesWith="USGov USIC"
  ntk:DESVersion="201508"
  ism:resourceElement="true"
  ism:createDate="9999-11-11"
  ism:DESVersion="201609.201707"
  ism:ISMCAICESVersion="201709"
  ism:classification="U"
  ism:ownerProducer="USA"
  ism:disseminationControls="PR"
  xsi:schemaLocation="test:ntk ./test_ntk.xsd">
  <ntk:Access ism:classification="U" ism:ownerProducer="USA">
    <ntk:RequiresAllOf><!-- Sample file restricting use to all US Gov't employees plus members of a IAAEMS group. -->
    <AccessProfileList xmlns="urn:us:gov:ic:ntk">
      <AccessProfile ism:classification="U" ism:ownerProducer="USA">
        <AccessPolicy>urn:us:gov:ic:aces:ntk:propin:1</AccessPolicy>
        <ProfileDes>urn:us:gov:ic:ntk:profile:grp-ind</ProfileDes>
        <AccessProfileValue ntk:vocabulary="group:iaaems">GROUP_A</AccessProfileValue>
      </AccessProfile>
    </AccessProfileList>
  </ntk:RequiresAllOf>
</ntk:Access>
</test:root>
```

## 2.16 - Propin-Example3.xml

```
<?xml-model href="../../../Schematron/ISM/ISM_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/NTK/NTK_XML.sch"
type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - distEditionBlockReplace--><!-- All classification marks in this example are --><!-- for
illustrative purposes only, there are no --><!-- actual classified data contained in this example --><test:root xmlns:test="test:ntk"
    xmlns:ntk="urn:us:gov:ic:ntk"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    ism:compliesWith="USGov USIC"
    ntk:DESVersion="201508"
    ism:resourceElement="true"
    ism:createDate="9999-11-11"
    ism:DESVersion="201609.201707"
    ism:ISMCAICESVersion="201709"
    ism:classification="U"
    ism:ownerProducer="USA"
    ism:disseminationControls="PR"
    xsi:schemaLocation="test:ntk ./test_ntk.xsd">
  <ntk:Access ism:classification="U" ism:ownerProducer="USA">
    <ntk:RequiresAllOf><!-- Sample file restricting use to members of a IAAEMS group only. -->
      <AccessProfileList xmlns="urn:us:gov:ic:ntk">
        <AccessProfile ism:classification="U" ism:ownerProducer="USA">
          <AccessPolicy>urn:us:gov:ic:aces:ntk:propin:2</AccessPolicy>
          <ProfileDes>urn:us:gov:ic:ntk:profile:grp-ind</ProfileDes>
          <AccessProfileValue ntk:vocabulary="group:iaaems">GROUP_A</AccessProfileValue>
        </AccessProfile>
      </AccessProfileList>
    </ntk:RequiresAllOf>
  </ntk:Access>
</test:root>
```

2.17 - Restrictive-Example1.xml

```
<?xml-model href="../../../Schematron/ISM/ISM_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/NTK/NTK_XML.sch"
type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - distEditionBlockReplace--><!-- All classification marks in this example are --><!-- for
illustrative purposes only, there are no --><!-- actual classified data contained in this example --><test:root xmlns:test="test:ntk"
    xmlns:ntk="urn:us:gov:ic:ntk"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    ism:compliesWith="USGov USIC"
    ntk:DESVersion="201508"
    ism:resourceElement="true"
    ism:createDate="9999-11-11"
    ism:DESVersion="201609.201707"
    ism:ISMCAICESVersion="201709"
    ism:classification="U"
    ism:ownerProducer="USA"
    xsi:schemaLocation="test:ntk ./test_ntk.xsd">
  <ntk:Access ism:classification="U" ism:ownerProducer="USA">
    <ntk:RequiresAnyOf><!-- Sample file restricting use to users/entities that are members of ALL THREE
IAAEMS groups listed. The group names in this example are notional. -->
  <AccessProfileList xmlns="urn:us:gov:ic:ntk">
    <AccessProfile ism:classification="U" ism:ownerProducer="USA">
      <AccessPolicy>urn:us:gov:ic:aces:ntk:restrictive</AccessPolicy>
      <ProfileDes>urn:us:gov:ic:ntk:profile:grp-ind</ProfileDes>
      <AccessProfileValue ntk:vocabulary="group:iaaems">GROUP1</AccessProfileValue>
      <AccessProfileValue ntk:vocabulary="group:iaaems">GROUP2</AccessProfileValue>
      <AccessProfileValue ntk:vocabulary="group:iaaems">GROUP3</AccessProfileValue>
    </AccessProfile>
  </AccessProfileList>
</ntk:RequiresAnyOf>
</ntk:Access>
</test:root>
```

2.18 - XD-Example1.xml

```
<?xml-model href="../../../Schematron/ISM/ISM_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/NTK/NTK_XML.sch"
type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - distEditionBlockReplace--><!-- All classification marks in this example are --><!-- for
illustrative purposes only, there are no --><!-- actual classified data contained in this example --><test:root xmlns:test="test:ntk"
  xmlns:ntk="urn:us:gov:ic:ntk"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  ism:compliesWith="USGov USIC"
  ism:resourceElement="true"
  ntk:DESVersion="201508"
  ism:createDate="9999-11-11"
  ism:DESVersion="201609.201707"
  ism:ISMCAICESVersion="201709"
  ism:classification="S"
  ism:ownerProducer="USA"
  ism:disseminationControls="NF"
  ism:classifiedBy="3343334"
  ism:classificationReason="NOT REALLY CLASSIFIED - EXAMPLE ONLY"
  ism:declassDate="2025-05-12"
  ism:nonICmarkings="XD"
  xsi:schemaLocation="test:ntk ../NTK/test_ntk.xsd">
<ntk:Access ism:classification="U" ism:ownerProducer="USA">
  <ntk:RequiresAnyOf>
    <ntk:AccessProfileList>
      <ntk:AccessProfile ism:classification="U" ism:ownerProducer="USA">
        <ntk:AccessPolicy>urn:us:gov:ic:aces:ntk:xd</ntk:AccessPolicy>
        <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:agencydissem</ntk:ProfileDes>
        <VocabularyType xmlns="urn:us:gov:ic:ntk"
          ntk:name="organization:usa-agency"
          ntk:sourceVersion="201502"/>
        <ntk:AccessProfileValue ntk:qualifier="originator" ntk:vocabulary="organization:usa-agency">CIA</ntk:AccessProfileValue>
        <ntk:AccessProfileValue ntk:qualifier="dissemto" ntk:vocabulary="organization:usa-agency">DNI</ntk:AccessProfileValue>
        <ntk:AccessProfileValue ntk:qualifier="dissemto" ntk:vocabulary="organization:usa-agency">NSA</ntk:AccessProfileValue>
      </ntk:AccessProfile>
    </ntk:AccessProfileList>
  </ntk:RequiresAnyOf>
</ntk:Access>
<test:portion ism:classification="S"
  ism:ownerProducer="USA"
  ism:disseminationControls="NF"/>
</test:root>
```