



XML Examples for Whitelist

Whitelist-Examples

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Chapter 1 - Introduction

1.1 - Purpose

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

Chapter 2 - Example Files

2.1 - example_minvalues_config.xml

```
<?xml-model href="../../../Schematron/Whitelist/Whitelist_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!--
  Sample whitelist configuration files for testing minimum value whitelist functionality with the test case files in the /Examples sub-directories.
  To use this sample file, copy the contents into the /Schematron/Whitelist/whitelist_config.xml file.  Then open the test case
  xml files in Oxygen and validate.
--><Whitelist xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:schemaLocation="../../../Schema/Whitelist/Whitelist.xsd">
  <ISMAttributes>
    <values type="whitelist">atomicEnergyMarkings classification classificationReason classifiedBy compilationReason compliesWith
createDate declassDate declassEvent declassException derivativelyClassifiedBy derivedFrom DESVersion displayOnlyTo
disseminationControls excludeFromRollup exemptFrom externalNotice FGIsorceOpen FGIsorceProtected ISMCATCESVersion joint nonICmarkings
nonUSControls noticeDate noticeReason noticeType ownerProducer pocType releasableTo resourceElement SARIdentifier SCIcontrols
unregisteredNoticeType</values>
  </ISMAttributes>
  <!-- Plausible to have restrictions but unlikely on JWICS -->
  <Classification>
    <values>R U S TS</values>
  </Classification>
  <DisseminationControls>
    <values>OC OC-USGOV IMC NF PR REL RELIDO DISPLAYONLY</values>
  </DisseminationControls>
  <ReleasableTo>
    <values type="whitelist">USA AUS CAN NZL GBR FRA KFOR</values>
    <minimumValues>USA ACGU</minimumValues>
  </ReleasableTo>
  <DisplayOnlyTo>
    <values type="whitelist">USA TEYE</values>
  </DisplayOnlyTo>
  <FGIsorceOpen>
    <values type="whitelist"/>
    <!-- Empty whitelist - reject all markings -->
  </FGIsorceOpen>
  <FGIsorceProtected>
    <values type="whitelist"/>
    <!-- Empty whitelist - reject all markings -->
  </FGIsorceProtected>
  <AtomicEnergyMarkings>
    <values/>
  </AtomicEnergyMarkings>
  <NonICmarkings>
    <values>SBU LES LES-NF</values>
  </NonICmarkings>
  <NonUSControls>
    <values/>
  </NonUSControls>
  <SCIcontrols>
    <values>TK HCS HCS-P</values>
  </SCIcontrols>
  <SARIdentifier>
    <values>SAR-AAA SAR-BBB</values>
  </SARIdentifier>
</Whitelist>
```

```

    </SARIdentifier>
    <OwnerProducer>
      <values type="whitelist">USA</values>
    </OwnerProducer>
    <NtkPolicy type="whitelist">
      <value>*</value>
      <!--<value>urn:us:gov:ic:aces:ntk:oc</value>
<value>urn:us:gov:ic:aces:ntk:mn</value>
<value>urn:us:gov:ic:aces:ntk:ico</value>-->
</NtkPolicy>
    <NtkVocabulary type="whitelist">
      <value>group:iaaems</value>
      <value>datasphere:mn:issue</value>
      <value>datasphere:mn:region</value>
      <value>datasphere:license</value>
      <value>organization:usa-agency</value>
      <value>group:bob_ldap</value>
      <value>group:chris_ldap</value>
    </NtkVocabulary>
    <NtkAccessProfile type="minvalues" accessPolicy="urn:us:gov:ic:aces:ntk:oc">
      <profile vocabulary="organization:usa-agency" profileValue="USA.CIA"/>
      <profile vocabulary="organization:usa-agency" profileValue="USA.DNI"/>
      <profile vocabulary="organization:usa-agency" profileValue="USA.NSA"/>
    </NtkAccessProfile>
    <NtkAccessProfile type="minvalues" accessPolicy="urn:us:gov:ic:aces:ntk:mn">
      <profile vocabulary="datasphere:mn:issue" profileValue="DI"/>
      <profile vocabulary="datasphere:mn:issue" profileValue="CST"/>
      <profile vocabulary="datasphere:mn:region" profileValue="AFce"/>
      <profile vocabulary="datasphere:mn:region" profileValue="AFea"/>
      <profile vocabulary="datasphere:mn:region" profileValue="AFno"/>
    </NtkAccessProfile>
    <NtkAccessProfile type="minvalues" accessPolicy="urn:us:gov:ic:aces:ntk:license">
      <profile vocabulary="datasphere:license" profileValue="osc1"/>
    </NtkAccessProfile>
    <NtkAccessProfile type="minvalues" accessPolicy="urn:us:gov:ic:aces:ntk:xd">
      <profile vocabulary="organization:usa-agency" profileValue="USA.CIA"/>
    </NtkAccessProfile>
  </Whitelist>

```

2.2 - example_whitelist_config.xml

```
<?xml-model href="../../../Schematron/Whitelist/Whitelist_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!--
  Sample whitelist configuration files for testing whitelist functionality with the test case files in the /Examples sub-directories.
  To use this sample file, copy the contents into the /Schematron/Whitelist/whitelist_config.xml file.  Then open the test case
  xml files in Oxygen and validate.
--><Whitelist xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            xsi:schemaLocation="../../../Schema/Whitelist/Whitelist.xsd">
  <ISMAttributes>
    <values type="whitelist">atomicEnergyMarkings classification classificationReason classifiedBy compilationReason compliesWith
createDate declassDate declassEvent declassException derivativelyClassifiedBy derivedFrom DESVersion displayOnlyTo
disseminationControls excludeFromRollup exemptFrom externalNotice FGIsourceOpen FGIsourceProtected ISMCATCESVersion joint nonICmarkings
nonUSControls noticeDate noticeReason noticeType ownerProducer pocType releasableTo resourceElement SARIdentifier SCIcontrols
unregisteredNoticeType</values>
  </ISMAttributes>
  <Classification>
    <values>R U S TS</values>
  </Classification>
  <DisseminationControls>
    <values>RS OC OC-USGOV IMC NF PR REL RELIDO EYES DSEN FISA DISPLAYONLY</values>
  </DisseminationControls>
  <ReleasableTo>
    <values type="whitelist">USA AUS CAN NZL GBR FRA KFOR</values>
    <minimumValues>USA ACGU</minimumValues>
  </ReleasableTo>
  <DisplayOnlyTo>
    <values type="whitelist">USA TEYE</values>
  </DisplayOnlyTo>
  <FGIsourceOpen>
    <values type="whitelist">ALB LTU MAR POL ZAF GBR NATO:PfP</values>
  </FGIsourceOpen>
  <FGIsourceProtected>
    <values type="whitelist">FGI NATO ABW</values>
  </FGIsourceProtected>
  <AtomicEnergyMarkings>
    <values>RD-SG-14 RD-SG-15 RD-SG-18 RD-SG-20 RD FRD RD-CNWDI DCNI UCNI</values>
  </AtomicEnergyMarkings>
  <NonICmarkings>
    <values>DS XD ND SBU LES LES-NF SSI ACCM-FOCAL_POINT NNPI</values>
  </NonICmarkings>
  <NonUSControls>
    <values>ATOMAL BOHEMIA</values>
  </NonUSControls>
  <SCIControls>
    <values>TK HCS HCS-P</values>
  </SCIControls>
  <SARIdentifier>
    <values>SAR-AAA SAR-BBB</values>
  </SARIdentifier>
  <OwnerProducer>
    <values type="whitelist">USA FGI NATO</values>
  </OwnerProducer>
  <NtkPolicy type="whitelist">
    <value>*</value>
```

```
        <!--<value>urn:us:gov:ic:aces:ntk:oc</value>
<value>urn:us:gov:ic:aces:ntk:mn</value>
<value>urn:us:gov:ic:aces:ntk:ico</value>-->
</NtkPolicy>
    <NtkVocabulary type="whitelist">
        <value>group:iaaems</value>
        <value>datasphere:mn:issue</value>
        <value>datasphere:mn:region</value>
        <value>datasphere:license</value>
        <value>organization:usa-agency</value>
        <value>group:bob_ldap</value>
        <value>group:chris_ldap</value>
    </NtkVocabulary>
    <NtkAccessProfile accessPolicy="urn:us:gov:ic:aces:ntk:mn">
<!--<profile>*</profile>-->
    <profile vocabulary="datasphere:mn:issue" profileValue="DI"/>
        <profile vocabulary="datasphere:mn:issue" profileValue="CST"/>
        <profile vocabulary="datasphere:mn:region" profileValue="AFce"/>
        <profile vocabulary="datasphere:mn:region" profileValue="AFea"/>
        <profile vocabulary="datasphere:mn:region" profileValue="AFno"/>
        <minimumValues>
            <profile vocabulary="datasphere:mn:issue" profileValue="DI"/>
            <profile vocabulary="datasphere:mn:region" profileValue="AFce"/>
        </minimumValues>
    </NtkAccessProfile>
    <!-- Whitelist -->
<NtkAccessProfile accessPolicy="urn:us:gov:ic:aces:ntk:oc">
    <profile vocabulary="organization:usa-agency" profileValue="USA.CIA"/>
    <profile vocabulary="organization:usa-agency" profileValue="USA.NSA"/>
    <profile vocabulary="organization:usa-agency" profileValue="USA.DNI"/>
    <profile vocabulary="organization:usa-agency" profileValue="USA.NGA"/>
    <minimumValues>
        <profile vocabulary="organization:usa-agency" profileValue="USA.CIA"/>
    </minimumValues>
</NtkAccessProfile>
<NtkAccessProfile accessPolicy="urn:us:gov:ic:aces:ntk:xd">
    <profile vocabulary="organization:usa-agency" profileValue="USA.CIA"/>
    <profile vocabulary="organization:usa-agency" profileValue="USA.NSA"/>
    <profile vocabulary="organization:usa-agency" profileValue="USA.DNI"/>
    <minimumValues>
        <profile vocabulary="organization:usa-agency" profileValue="USA.CIA"/>
    </minimumValues>
</NtkAccessProfile>
<NtkAccessProfile type="whitelist" accessPolicy="urn:us:gov:ic:aces:ntk:license">
    <profile vocabulary="datasphere:license" profileValue="osc2"/>
</NtkAccessProfile>
<NtkAccessProfile type="whitelist" accessPolicy="urn:us:gov:ic:aces:ntk:permissive">
    <profile vocabulary="" profileValue="johndoe"/>
    <profile vocabulary="" profileValue="Rabbits"/>
    <profile vocabulary="group:bob_ldap" profileVaule="Wheel"/>
    <profile vocabulary="group:bob_ldap" profileVaule="Superuser"/>
</NtkAccessProfile>
<NtkAccessProfile type="whitelist" accessPolicy="urn:us:gov:ic:aces:ntk:restrictive">
    <profile vocabulary="group:iaaems" profileValue="GROUP1"/>
```



```
        <profile vocabulary="group:iaaems" profileValue="GROUP2"/>
        <profile vocabulary="group:iaaems" profileValue="GROUP3"/>
    </NtkAccessProfile>
    <NtkAccessProfile type="whitelist" accessPolicy="urn:us:gov:ic:aces:ntk:xd">
        <profile vocabulary="organization:usa-agency" profileValue="USA.CIA"/>
        <profile vocabulary="organization:usa-agency" profileValue="USA.DNI"/>
        <profile vocabulary="organization:usa-agency" profileValue="USA.NSA"/>
    </NtkAccessProfile>
    <!-- Add test for accessPolicy restrictive -->
</Whitelist>
```

2.3 - MinValues-LIC-FAIL-001.xml

```
<?xml-model href="../../../Schematron/Whitelist/Whitelist_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- 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, at ic-standards-support@iarpa.gov.--><!-- All classification marks in this example are    --><!-- for illustrative purposes only, there are no    --><!-- actual classified data
contained in this example --><!--
Goal:  Failing test minimum value configuration for NTK License Access Profile
Test Config File:      ../example_minvalues_config.xml
Test Config Setting:   Comment out this config to force failure ...
                        <NtkAccessProfile type="minvalues"
                                accessPolicy="urn:us:gov:ic:aces:ntk:license">
                                <profile vocabulary="datasphere:license" profileValue="osc2" />
                                </NtkAccessProfile>

Expected Test Result:   FAIL
Expected Error Message: WLNtkAccessProfileValue-ID-00001

To run this test:
1. copy contents of Test Config File to ../../Schematron/Whitelist/whitelist_config.xml
2. comment out <NtkAccessProfile type="minvalues" accessPolicy="urn:us:gov:ic:aces:ntk:license"> entry

Note: Currently, CVEnumLicLicense.xml only contains a single value, so the effect of @type="minvalues" will be
the same as @type="whitelist". To get this rule to fail, there should be no entry for
accessPolicy="urn:us:gov:ic:aces:ntk:license" in the config file.
--><test:root xmlns:test="test:ntk"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    ism:compliesWith="USGov USIC"
    ism:resourceElement="true"
    ism:createDate="9999-11-11"
    ism:DESVersion="202111.202211"
    ism:ISMCA TCESVersion="202211"
    ism:classification="U"
    ism:ownerProducer="USA"
    xsi:schemaLocation="test:ntk ../ISM/test_ntk.xsd">
  <arh:Security xmlns:arh="urn:us:gov:ic:arh"
    ism:classification="U"
    ism:ownerProducer="USA"
    ism:resourceElement="true"
    ism:compliesWith="USGov USIC"
    ism:createDate="2019-12-19">
    <ntk:Access xmlns:ntk="urn:us:gov:ic:ntk"
      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:license</ntk:AccessPolicy>
            <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:datasphere</ntk:ProfileDes>
            <ntk:VocabularyType ntk:name="datasphere:license" ntk:sourceVersion="201508"/>
            <ntk:AccessProfileValue ntk:vocabulary="datasphere:license">osc1</ntk:AccessProfileValue>
          </ntk:AccessProfile>
        </ntk:AccessProfileList>
      </ntk:RequiresAnyOf>
    </ntk:Access>
  </arh:Security>
</test:root>
```

```
        </ntk:Access>
      </arh:Security>
</test:root>
```

2.4 - MinValues-LIC-PASS-001.xml

```
<?xml-model href="../../../Schematron/Whitelist/Whitelist_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - Distribution Notice:
This document is being made available by the Intelligence Community Chief Information Officer
to Federal, State, Local, Tribal, and Foreign Partners and associated contractors. Approval for
any further distribution must be coordinated via the Intelligence Community Chief Information
Officer, at ic-standards-support@iarpa.gov.--><!-- All classification marks in this example are    --><!-- for illustrative purposes only, there are no    --><!-- actual classified data
contained in this example --><!--
Goal:  Passing test of minimum value configuration for NTK License Access Profile
Test Config File:      ../example_minvalues_config.xml
Test Config Setting:   <NtkAccessProfile type="minvalues"
                        accessPolicy="urn:us:gov:ic:aces:ntk:license">
                        <profile vocabulary="datasphere:license" profileValue="osc2" />
                        </NtkAccessProfile>

Expected Test Result:   PASS
Expected Error Message: N/A

To run this test:
    1. copy contents of Test Config File to ../../Schematron/Whitelist/whitelist_config.xml

Note: Currently, CVEnumLicLicense.xml only contains a single value, so the effect of @type="minvalues" will be
the same as @type="whitelist". To get this rule to fail, there should be no entry for
accessPolicy="urn:us:gov:ic:aces:ntk:license" in the config file.

--><test:root xmlns:test="test:ntk"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    ism:compliesWith="USGov USIC"
    ism:resourceElement="true"
    ism:createDate="9999-11-11"
    ism:DESVersion="202111.202211"
    ism:ISMATCESVersion="202211"
    ism:classification="U"
    ism:ownerProducer="USA"
    xsi:schemaLocation="test:ntk ../ISM/test_ntk.xsd">
  <arh:Security xmlns:arh="urn:us:gov:ic:arh"
    ism:classification="U"
    ism:ownerProducer="USA"
    ism:resourceElement="true"
    ism:compliesWith="USGov USIC"
    ism:createDate="2019-12-19">
    <ntk:Access xmlns:ntk="urn:us:gov:ic:ntk"
      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:license</ntk:AccessPolicy>
            <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:datasphere</ntk:ProfileDes>
            <ntk:VocabularyType ntk:name="datasphere:license" ntk:sourceVersion="201508"/>
            <ntk:AccessProfileValue ntk:vocabulary="datasphere:license">osc1</ntk:AccessProfileValue>
          </ntk:AccessProfile>
        </ntk:AccessProfileList>
      </ntk:RequiresAnyOf>
    </ntk:Access>
```

```
</arh:Security>  
</test:root>
```

2.5 - MinValues-MN-FAIL-002.xml

```
<?xml-model href="../../../Schematron/Whitelist/Whitelist_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - Distribution Notice:
    This document has been approved for Public Release and is available for use without restriction.
--><!-- All classification marks in this example are --><!-- for illustrative purposes only, there are no --><!-- actual classified data contained in this example --><!--
Goal: Failing test minimum value configuration for NTK Mission Need Access Profile
Test Config File:      ../example_minvalues_config.xml
Test Config Setting:    Comment out this config to force failure ...
                        <NtkAccessProfile type="minvalues"
                            accessPolicy="urn:us:gov:ic:aces:ntk:mn">
                            ...
                        </NtkAccessProfile>
Expected Test Result:   FAIL
Expected Error Message: WLNtkAccessProfileValue-ID-00002

To run this test:
    1. copy contents of Test Config File to ../../Schematron/Whitelist/whitelist_config.xml
--><test:root xmlns:test="test:ntk"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    ism:compliesWith="USGov USIC"
    ism:resourceElement="true"
    ism:createDate="2012-05-28"
    ism:DESVersion="202111.202211"
    ism:ISMCACTESVersion="202211"
    ism:classification="U"
    ism:ownerProducer="USA"
    xsi:schemaLocation="test:ntk ../ISM/test_ntk.xsd">
  <arh:Security xmlns:arh="urn:us:gov:ic:arh"
    ism:classification="U"
    ism:ownerProducer="USA"
    ism:resourceElement="true"
    ism:compliesWith="USGov USIC"
    ism:createDate="2019-12-19">
    <ntk:Access xmlns:ntk="urn:us:gov:ic:ntk"
      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:mn</ntk:AccessPolicy>
            <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:datasphere</ntk:ProfileDes>
            <ntk:VocabularyType ntk:name="datasphere:mn:issue" ntk:sourceVersion="202111"/>
            <ntk:VocabularyType ntk:name="datasphere:mn:region" ntk:sourceVersion="202111"/>
            <ntk:AccessProfileValue ntk:vocabulary="datasphere:mn:issue">DI</ntk:AccessProfileValue>
            <ntk:AccessProfileValue ntk:vocabulary="datasphere:mn:issue">WPW</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:RequiresAllOf>
    </ntk:Access>
  </arh:Security>
</test:root>
```

```
</arh:Security>  
</test:root>
```

2.6 - MinValues-MN-PASS-001.xml

```
<?xml-model href="../../../Schematron/Whitelist/Whitelist_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - Distribution Notice:
    This document has been approved for Public Release and is available for use without restriction.
--><!-- All classification marks in this example are --><!-- for illustrative purposes only, there are no --><!-- actual classified data contained in this example --><!--
Goal:  Passing test of minimum value configuration for NTK Mission Need Access Profile
Test Config File:      ../example_minvalues_config.xml
Test Config Setting:   <NtkAccessProfile type="minvalues"
                        accessPolicy="urn:us:gov:ic:aces:ntk:mn">

                        ...
                        </NtkAccessProfile>
Expected Test Result:  PASS
Expected Error Message: N/A

To run this test:
    1. copy contents of Test Config File to ../../Schematron/Whitelist/whitelist_config.xml
--><test:root xmlns:test="test:ntk"
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            ism:compliesWith="USGov USIC"
            ism:resourceElement="true"
            ism:createDate="2012-05-28"
            ism:DESVersion="202111.202211"
            ism:ISMATCESVersion="202211"
            ism:classification="U"
            ism:ownerProducer="USA"
            xsi:schemaLocation="test:ntk ../ISM/test_ntk.xsd">
  <arh:Security xmlns:arh="urn:us:gov:ic:arh"
                ism:classification="U"
                ism:ownerProducer="USA"
                ism:resourceElement="true"
                ism:compliesWith="USGov USIC"
                ism:createDate="2019-12-19">
    <ntk:Access xmlns:ntk="urn:us:gov:ic:ntk"
                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:mn</ntk:AccessPolicy>
            <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:datasphere</ntk:ProfileDes>
            <ntk:VocabularyType ntk:name="datasphere:mn:issue" ntk:sourceVersion="202111"/>
            <ntk:VocabularyType ntk:name="datasphere:mn:region" ntk:sourceVersion="202111"/>
            <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:RequiresAllOf>
    </ntk:Access>
  </arh:Security>
</test:root>
```



```
</arh:Security>  
</test:root>
```

2.7 - MinValues-OC-FAIL-001.xml

```
<?xml-model href="../../../Schematron/Whitelist/Whitelist_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - Distribution Notice:
    This document has been approved for Public Release and is available for use without restriction.
--><!-- All classification marks in this example are --><!-- for illustrative purposes only, there are no --><!-- actual classified data contained in this example --><!--
Goal:  Passing test of minimum value configuration for NTK ORCON Access Profile
Test Config File:      ../example_minvalues_config.xml
Test Config Setting:    <NtkAccessProfile type="minvalues"
                        accessPolicy="urn:us:gov:ic:aces:ntk:oc">

                        ...
                        </NtkAccessProfile>

Expected Test Result:   FAIL
Expected Error Message: WLNtkAccessProfileValue-ID-00002

To run this test:
    1. copy contents of Test Config File to ../../Schematron/Whitelist/whitelist_config.xml

--><test:root xmlns:test="test:ntk"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    ism:compliesWith="USGov USIC"
    ism:resourceElement="true"
    ism:createDate="2012-05-28"
    ism:DESVersion="202111.202211"
    ism:ISMCATCESVersion="202211"
    ism:classification="S"
    ism:ownerProducer="USA"
    ism:disseminationControls="OC NF"
    ism:derivativelyClassifiedBy="Fred"
    ism:derivedFrom="Some Guide"
    ism:declassDate="2020-01-01"
    xsi:schemaLocation="test:ntk ../ISM/test_ntk.xsd">
  <arh:Security xmlns:arh="urn:us:gov:ic:arh"
    ism:classification="U"
    ism:ownerProducer="USA"
    ism:resourceElement="true"
    ism:compliesWith="USGov USIC"
    ism:createDate="2019-12-19">
    <ntk:Access xmlns:ntk="urn:us:gov:ic:ntk"
      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:oc</ntk:AccessPolicy>
            <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:agencydissem</ntk:ProfileDes>
            <ntk:VocabularyType ntk:name="organization:usa-agency" ntk:sourceVersion="202207"/>
            <ntk:AccessProfileValue ntk:qualifier="originator" ntk:vocabulary="organization:usa-agency">USA.CIA</ntk:AccessProfileValue>
            <ntk:AccessProfileValue ntk:qualifier="dissemto" ntk:vocabulary="organization:usa-agency">USA.NGA</ntk:AccessProfileValue>
            <ntk:AccessProfileValue ntk:qualifier="dissemto" ntk:vocabulary="organization:usa-agency">USA.NSA</ntk:AccessProfileValue>
          </ntk:AccessProfile>
        </ntk:AccessProfileList>
      </ntk:RequiresAllOf>
    </ntk:Access>
  </arh:Security>
```

```
<test:portion ism:classification="S"  
              ism:ownerProducer="USA"  
              ism:disseminationControls="OC NF"/>  
</test:root>
```

2.8 - MinValues-OC-PASS-001.xml

```
<?xml-model href="../../../Schematron/Whitelist/Whitelist_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - Distribution Notice:
    This document has been approved for Public Release and is available for use without restriction.
--><!-- All classification marks in this example are --><!-- for illustrative purposes only, there are no --><!-- actual classified data contained in this example --><!--
Goal:  Passing test of minimum value configuration for NTK ORCON Access Profile
Test Config File:      ../example_minvalues_config.xml
Test Config Setting:    <NtkAccessProfile type="minvalues"
                        accessPolicy="urn:us:gov:ic:aces:ntk:oc">

                        ...
                        </NtkAccessProfile>

Expected Test Result:   PASS
Expected Error Message: N/A

To run this test:
    1. copy contents of Test Config File to ../../Schematron/Whitelist/whitelist_config.xml

--><test:root xmlns:test="test:ntk"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    ism:compliesWith="USGov USIC"
    ism:resourceElement="true"
    ism:createDate="2012-05-28"
    ism:DESVersion="202111.202211"
    ism:ISMCATCESVersion="202211"
    ism:classification="S"
    ism:ownerProducer="USA"
    ism:disseminationControls="OC NF"
    ism:derivativelyClassifiedBy="Fred"
    ism:derivedFrom="Some Guide"
    ism:declassDate="2020-01-01"
    xsi:schemaLocation="test:ntk ../ISM/test_ntk.xsd">
  <arh:Security xmlns:arh="urn:us:gov:ic:arh"
    ism:classification="U"
    ism:ownerProducer="USA"
    ism:resourceElement="true"
    ism:compliesWith="USGov USIC"
    ism:createDate="2019-12-19">
    <ntk:Access xmlns:ntk="urn:us:gov:ic:ntk"
      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:oc</ntk:AccessPolicy>
            <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:agencydissem</ntk:ProfileDes>
            <ntk:VocabularyType ntk:name="organization:usa-agency" ntk:sourceVersion="202207"/>
            <ntk:AccessProfileValue ntk:qualifier="dissemto" ntk:vocabulary="organization:usa-agency">USA.CIA</ntk:AccessProfileValue>
            <ntk:AccessProfileValue ntk:qualifier="originator" ntk:vocabulary="organization:usa-agency">USA.DNI</ntk:AccessProfileValue>
            <ntk:AccessProfileValue ntk:qualifier="dissemto" ntk:vocabulary="organization:usa-agency">USA.NSA</ntk:AccessProfileValue>
          </ntk:AccessProfile>
        </ntk:AccessProfileList>
      </ntk:RequiresAllOf>
    </ntk:Access>
  </arh:Security>
```

```
<test:portion ism:classification="S"  
              ism:ownerProducer="USA"  
              ism:disseminationControls="OC NF"/>  
</test:root>
```

2.9 - MinValues-RELTO-FAIL-001.xml

```
<?xml-model href="../../../Schematron/Whitelist/Whitelist_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - Distribution Notice:
    This document has been approved for Public Release and is available for use without restriction.
--><!-- All classification marks in this example are --><!-- for illustrative purposes only, there are no --><!-- actual classified data contained in this example --><!--
Goal:  Passing test of minimum value configuration for NTK EXDIS Access Profile
Test Config File:      ../example_minvalues_config.xml
Test Config Setting:    <ReleasableTo>
                        <values type="whitelist">USA AUS CAN NZL GBR FRA KFOR</values>
                        <minimumValues>USA ACGU</minimumValues>
                        </ReleasableTo>
Expected Test Result:   FAIL
Expected Error Message: WL_ReleaseableTo-ID-00002

To run this test:
    1. copy contents of Test Config File to ../../Schematron/Whitelist/whitelist_config.xml

--><test:root xmlns:test="test:ism"
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            ism:compliesWith="USGov USIC"
            ism:DESVersion="202111.202211"
            ism:ISMATCESVersion="202211"
            ism:resourceElement="true"
            ism:createDate="2009-06-01"
            ism:classification="S"
            ism:ownerProducer="USA"
            ism:classifiedBy="John doe"
            ism:classificationReason="reason"
            ism:declassDate="2020-02-02"
            ism:disseminationControls="REL"
            ism:releasableTo="USA CAN"
            ism:compilationReason="Bogus Test Case."
            xsi:schemaLocation="test:ntk ../ISM/test_ism.xsd">
  <arh:Security xmlns:arh="urn:us:gov:ic:arh"
              ism:classification="S"
              ism:ownerProducer="USA"
              ism:compilationReason="Bogus Test Case."
              ism:disseminationControls="REL"
              ism:releasableTo="USA ACGU KFOR"
              ism:resourceElement="true"
              ism:compliesWith="USGov USIC"
              ism:createDate="2019-12-19"
              ism:derivativelyClassifiedBy="someone"
              ism:derivedFrom="something"
              ism:declassDate="2020-12-31"/>
  <!--<singleElement xmlns="test:ism"
ism:classification="C"
ism:ownerProducer="USA"
ism:disseminationControls="REL"
ism:releasableTo="USA AUS CAN GBR" />-->
<!--<singleElement xmlns="test:ism"
ism:classification="S"
ism:ownerProducer="USA"
ism:disseminationControls="REL"
```

```
ism:releasableTo="USA AUS CAN GBR" />-->
</test:root>
```

2.10 - MinValues-RELTO-PASS-001.xml

```
<?xml-model href="../../../Schematron/Whitelist/Whitelist_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - Distribution Notice:
    This document has been approved for Public Release and is available for use without restriction.
--><!-- All classification marks in this example are --><!-- for illustrative purposes only, there are no --><!-- actual classified data contained in this example --><!--
Goal:  Passing test of minimum value configuration for NTK EXDIS Access Profile
Test Config File:      ../example_minvalues_config.xml
Test Config Setting:    <ReleasableTo>
                        <values type="whitelist">USA AUS CAN NZL GBR FRA KFOR</values>
                        <minimumValues>USA ACGU</minimumValues>
                        </ReleasableTo>
Expected Test Result:   PASS
Expected Error Message: N/A

To run this test:
    1. copy contents of Test Config File to ../../Schematron/Whitelist/whitelist_config.xml

--><test:root xmlns:test="test:ism"
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            ism:compliesWith="USGov USIC"
            ism:DESVersion="202111.202211"
            ism:ISMATCESVersion="202211"
            ism:resourceElement="true"
            ism:createDate="2009-06-01"
            ism:classification="S"
            ism:ownerProducer="USA"
            ism:classifiedBy="John doe"
            ism:classificationReason="reason"
            ism:declassDate="2020-02-02"
            ism:disseminationControls="REL"
            ism:releasableTo="USA ACGU"
            ism:compilationReason="Bogus Test Case."
            xsi:schemaLocation="test:ntk ../ISM/test_ism.xsd">
    <arh:Security xmlns:arh="urn:us:gov:ic:arh"
                ism:classification="S"
                ism:ownerProducer="USA"
                ism:compilationReason="Bogus Test Case."
                ism:disseminationControls="REL"
                ism:releasableTo="USA AUS CAN GBR KFOR"
                ism:resourceElement="true"
                ism:compliesWith="USGov USIC"
                ism:createDate="2019-12-19"
                ism:derivativelyClassifiedBy="someone"
                ism:derivedFrom="something"
                ism:declassDate="2020-12-31"/>
</test:root>
```

2.11 - MinValues-XD-FAIL-001.xml

```
<?xml-model href="../../../Schematron/Whitelist/Whitelist_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - Distribution Notice:
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--><!-- All classification marks in this example are --><!-- for illustrative purposes only, there are no --><!-- actual classified data contained in this example --><!--
Goal: Failing test minimum value configuration for NTK EXDIS Access Profile
Test Config File:      ../example_minvalues_config.xml
Test Config Setting:    Comment out this config to force failure ...
                        <NtkAccessProfile type="minvalues"
                            accessPolicy="urn:us:gov:ic:aces:ntk:xd">

                            ...
                        </NtkAccessProfile>

Expected Test Result:   FAIL
Expected Error Message: WLNtkAccessProfileValue-ID-00002

To run this test:
    1. copy contents of Test Config File to ../../Schematron/Whitelist/whitelist_config.xml

--><test:root xmlns:test="test:ntk"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    ism:compliesWith="USGov USIC"
    ism:resourceElement="true"
    ism:createDate="9999-11-11"
    ism:DESVersion="202111.202211"
    ism:ISMATCESVersion="202211"
    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 ../ISM/test_ntk.xsd">
<arh:Security xmlns:arh="urn:us:gov:ic:arh"
    ism:classification="U"
    ism:ownerProducer="USA"
    ism:resourceElement="true"
    ism:compliesWith="USGov USIC"
    ism:createDate="2019-12-19">
<ntk:Access xmlns:ntk="urn:us:gov:ic:ntk"
    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:xd</ntk:AccessPolicy>
                <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:agencydissem</ntk:ProfileDes>
                <ntk:VocabularyType ntk:name="organization:usa-agency" ntk:sourceVersion="202207"/>
                <ntk:AccessProfileValue ntk:qualifier="originator" ntk:vocabulary="organization:usa-agency">USA.NSA</ntk:AccessProfileValue>
                <ntk:AccessProfileValue ntk:qualifier="dissemto" ntk:vocabulary="organization:usa-agency">USA.DNI</ntk:AccessProfileValue>
                <ntk:AccessProfileValue ntk:qualifier="dissemto" ntk:vocabulary="organization:usa-agency">USA.NGA</ntk:AccessProfileValue>
            </ntk:AccessProfile>
        </ntk:AccessProfileList>
    </ntk:RequiresAllOf>
```



```
        </ntk:Access>
    </arh:Security>
    <test:portion ism:classification="S"
                  ism:ownerProducer="USA"
                  ism:disseminationControls="NF" />
</test:root>
```

2.12 - MinValues-XD-PASS-001.xml

```
<?xml-model href="../../../Schematron/Whitelist/Whitelist_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - Distribution Notice:
    This document has been approved for Public Release and is available for use without restriction.
--><!-- All classification marks in this example are --><!-- for illustrative purposes only, there are no --><!-- actual classified data contained in this example --><!--
Goal:  Passing test of minimum value configuration for NTK EXDIS Access Profile
Test Config File:      ../example_minvalues_config.xml
Test Config Setting:   <NtkAccessProfile type="minvalues"
                        accessPolicy="urn:us:gov:ic:aces:ntk:xd">

                        ...
                        </NtkAccessProfile>

Expected Test Result:  PASS
Expected Error Message: N/A

To run this test:
    1. copy contents of Test Config File to ../../Schematron/Whitelist/whitelist_config.xml

--><test:root xmlns:test="test:ntk"
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            ism:compliesWith="USGov USIC"
            ism:resourceElement="true"
            ism:createDate="9999-11-11"
            ism:DESVersion="202111.202211"
            ism:ISMCATCESVersion="202211"
            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 ../ISM/test_ntk.xsd">
  <arh:Security xmlns:arh="urn:us:gov:ic:arh"
                ism:classification="U"
                ism:ownerProducer="USA"
                ism:resourceElement="true"
                ism:compliesWith="USGov USIC"
                ism:createDate="2019-12-19">
    <ntk:Access xmlns:ntk="urn:us:gov:ic:ntk"
                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>
            <ntk:VocabularyType ntk:name="organization:usa-agency" ntk:sourceVersion="202207"/>
            <ntk:AccessProfileValue ntk:qualifier="originator" ntk:vocabulary="organization:usa-agency">USA.CIA</ntk:AccessProfileValue>
            <ntk:AccessProfileValue ntk:qualifier="dissemto" ntk:vocabulary="organization:usa-agency">USA.DNI</ntk:AccessProfileValue>
            <ntk:AccessProfileValue ntk:qualifier="dissemto" ntk:vocabulary="organization:usa-agency">USA.NSA</ntk:AccessProfileValue>
          </ntk:AccessProfile>
        </ntk:AccessProfileList>
      </ntk:RequiresAnyOf>
    </ntk:Access>
  </arh:Security>
</test:root>
```

```
    </arh:Security>
    <test:portion ism:classification="S"
                  ism:ownerProducer="USA"
                  ism:disseminationControls="NF" />
</test:root>
```

2.13 - Whitelist-ICO-PASS-001.xml

```
<?xml-model href="../../../Schematron/Whitelist/Whitelist_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - Distribution Notice:
    This document has been approved for Public Release and is available for use without restriction.
--><!-- All classification marks in this example are --><!-- for illustrative purposes only, there are no --><!-- actual classified data contained in this example --><!--
Goal: Passing test of whitelist configuration for NTK Intelligence Community Only Access Profile
Test Config File:      ../example_whitelist_config.xml
Test Config Setting:   <NtkAccessProfile type="whitelist"
                        accessPolicy="urn:us:gov:ic:aces:ntk:ico">
                        <profile vocabulary="" profileValue="" />
                        </NtkAccessProfile>

Expected Test Result:  PASS
Expected Error Message: N/A

To run this test:
    1. copy contents of Test Config File to ../../Schematron/Whitelist/whitelist_config.xml

Note: The ICO profile does not define a value for ntk:AccessProfileValue.
To get this rule to fail, there should be no entry for
    accessPolicy="urn:us:gov:ic:aces:ntk:ico" in the config file.
--><test:root xmlns:test="test:ntk"
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            ism:compliesWith="USGov USIC"
            ism:resourceElement="true"
            ism:createDate="9999-11-11"
            ism:DESVersion="202111.202211"
            ism:ISMCACTCESVersion="202211"
            ism:classification="U"
            ism:ownerProducer="USA"
            xsi:schemaLocation="test:ntk ../ISM/test_ntk.xsd">
  <arh:Security xmlns:arh="urn:us:gov:ic:arh"
                ism:classification="U"
                ism:ownerProducer="USA"
                ism:resourceElement="true"
                ism:compliesWith="USGov USIC"
                ism:createDate="2019-12-19">
    <ntk:Access xmlns:ntk="urn:us:gov:ic:ntk"
                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>
  </arh:Security>
</test:root>
```

2.14 - Whitelist-LIC-FAIL-001.xml

```
<?xml-model href="../../../Schematron/Whitelist/Whitelist_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - Distribution Notice:
    This document has been approved for Public Release and is available for use without restriction.
--><!-- All classification marks in this example are --><!-- for illustrative purposes only, there are no --><!-- actual classified data contained in this example --><!--
To run whitelist tests, copy contents of example_whitelist_config.xml to ../../Schematron/Whitelist/whitelist_config.xml
Currently, CVEnumLicLicense.xml only contains a single value; will need to modify whitelist_config.xml to remove this value
to get this example to fail.
--><!--
Goal:  Passing test of whitelist configuration for NTK License Access Profile
Test Config File:      ../example_whitelist_config.xml
Test Config Setting:   <NtkAccessProfile type="whitelist"
                        accessPolicy="urn:us:gov:ic:aces:ntk:license">

                        ...
                        </NtkAccessProfile>

Expected Test Result:  FAIL
Expected Error Message: WLNtkAccessProfileValue-ID-00001

To run this test:
    1. copy contents of Test Config File to ../../Schematron/Whitelist/whitelist_config.xml
--><test:root xmlns:test="test:ntk"
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            ism:compliesWith="USGov USIC"
            ism:resourceElement="true"
            ism:createDate="9999-11-11"
            ism:DESVersion="202111.202211"
            ism:ISMCATCESVersion="202211"
            ism:classification="U"
            ism:ownerProducer="USA"
            xsi:schemaLocation="test:ntk ../ISM/test_ntk.xsd">
  <arh:Security xmlns:arh="urn:us:gov:ic:arh"
                ism:classification="U"
                ism:ownerProducer="USA"
                ism:resourceElement="true"
                ism:compliesWith="USGov USIC"
                ism:createDate="2019-12-19">
    <ntk:Access xmlns:ntk="urn:us:gov:ic:ntk"
                ism:classification="U"
                ism:ownerProducer="USA">
      <ntk:RequiresAnyOf>
<!-- Sample file restricting use to authorized users based on license agreement defined by osc1. -->
<ntk:AccessProfileList>
  <ntk:AccessProfile ism:classification="U" ism:ownerProducer="USA">
    <ntk:AccessPolicy>urn:us:gov:ic:aces:ntk:license</ntk:AccessPolicy>
    <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:datasphere</ntk:ProfileDes>
    <ntk:VocabularyType ntk:name="datasphere:license" ntk:sourceVersion="201508"/>
    <ntk:AccessProfileValue ntk:vocabulary="datasphere:license">osc1</ntk:AccessProfileValue>
  </ntk:AccessProfile>
</ntk:AccessProfileList>
</ntk:RequiresAnyOf>
  </ntk:Access>
</arh:Security>
</test:root>
```

2.15 - Whitelist-LIC-PASS-001.xml

```
<?xml-model href="../../../Schematron/Whitelist/Whitelist_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - Distribution Notice:
    This document has been approved for Public Release and is available for use without restriction.
--><!-- All classification marks in this example are --><!-- for illustrative purposes only, there are no --><!-- actual classified data contained in this example --><!--
To run whitelist tests, copy contents of example_whitelist_config.xml to ../../Schematron/Whitelist/whitelist_config.xml
--><!--
Goal:  Passing test of whitelist configuration for NTK License Access Profile
Test Config File:    ../example_whitelist_config.xml
Test Config Setting:  <NtkAccessProfile type="whitelist"
                        accessPolicy="urn:us:gov:ic:aces:ntk:license">
                        ...
                        </NtkAccessProfile>
Expected Test Result:  PASS
Expected Error Message: N/A

To run this test:
    1. copy contents of Test Config File to ../../Schematron/Whitelist/whitelist_config.xml
--><test:root xmlns:test="test:ntk"
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            ism:compliesWith="USGov USIC"
            ism:resourceElement="true"
            ism:createDate="9999-11-11"
            ism:DESVersion="202111.202211"
            ism:ISMCATCESVersion="202211"
            ism:classification="U"
            ism:ownerProducer="USA"
            xsi:schemaLocation="test:ntk ../ISM/test_ntk.xsd">
    <arh:Security xmlns:arh="urn:us:gov:ic:arh"
                ism:classification="U"
                ism:ownerProducer="USA"
                ism:resourceElement="true"
                ism:compliesWith="USGov USIC"
                ism:createDate="2019-12-19">
        <ntk:Access xmlns:ntk="urn:us:gov:ic:ntk"
                    ism:classification="U"
                    ism:ownerProducer="USA">
            <ntk:RequiresAnyOf>
<!-- Sample file restricting use to authorized users based on license agreement defined by osc2. -->
<ntk:AccessProfileList>
    <ntk:AccessProfile ism:classification="U" ism:ownerProducer="USA">
        <ntk:AccessPolicy>urn:us:gov:ic:aces:ntk:license</ntk:AccessPolicy>
        <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:datasphere</ntk:ProfileDes>
        <ntk:VocabularyType ntk:name="datasphere:license" ntk:sourceVersion="201508"/>
        <ntk:AccessProfileValue ntk:vocabulary="datasphere:license">osc2</ntk:AccessProfileValue>
    </ntk:AccessProfile>
    </ntk:AccessProfileList>
    </ntk:RequiresAnyOf>
    </ntk:Access>
    </arh:Security>
</test:root>
```

2.16 - Whitelist-MN-FAIL-001.xml

```
<?xml-model href="../../../Schematron/Whitelist/Whitelist_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - Distribution Notice:
    This document has been approved for Public Release and is available for use without restriction.
    --><!-- All classification marks in this example are    --><!-- for illustrative purposes only, there are no    --><!-- actual classified data contained in this example --><!--
    To run whitelist tests, copy contents of example_whitelist_config.xml to ../../Schematron/Whitelist/whitelist_config.xml
--><!--
    Goal:  Passing test of whitelist configuration for NTK Mission Need Access Profile
    Test Config File:      ../example_whitelist_config.xml
    Test Config Setting:   <NtkAccessProfile type="whitelist"
                                accessPolicy="urn:us:gov:ic:aces:ntk:mn">

                                ...
    Expected Test Result:   FAIL
    Expected Error Message: WLNtkAccessProfileValue-ID-00002

    To run this test:
        1. copy contents of Test Config File to ../../Schematron/Whitelist/whitelist_config.xml
--><test:root xmlns:test="test:ntk"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    ism:compliesWith="USGov USIC"
    ism:resourceElement="true"
    ism:createDate="2012-05-28"
    ism:DESVersion="202111.202211"
    ism:ISMCATCESVersion="202211"
    ism:classification="S"
    ism:ownerProducer="USA"
    ism:disseminationControls="NF"
    ism:derivativelyClassifiedBy="Fred"
    ism:derivedFrom="Some Guide"
    ism:declassDate="2020-01-01"
    xsi:schemaLocation="test:ntk ../ISM/test_ntk.xsd">
<arh:Security xmlns:arh="urn:us:gov:ic:arh"
    ism:classification="U"
    ism:ownerProducer="USA"
    ism:resourceElement="true"
    ism:compliesWith="USGov USIC"
    ism:createDate="2019-12-19">
<ntk:Access xmlns:ntk="urn:us:gov:ic:ntk"
    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:mn</ntk:AccessPolicy>
<ntk:ProfileDes>urn:us:gov:ic:ntk:profile:datasphere</ntk:ProfileDes>
<ntk:VocabularyType ntk:name="datasphere:mn:issue" ntk:sourceVersion="202111"/>
<ntk:VocabularyType ntk:name="datasphere:mn:region" ntk:sourceVersion="202111"/>
<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">MEme</ntk:AccessProfileValue>
</ntk:AccessProfile>
</ntk:AccessProfileList>
```

```
        </ntk:RequiresAllOf>
    </ntk:Access>
</arh:Security>
<test:portion ism:classification="S"
              ism:ownerProducer="USA"
              ism:disseminationControls="NF" />
</test:root>
```


2.17 - Whitelist-MN-PASS-001.xml

```
<?xml-model href="../../../Schematron/Whitelist/Whitelist_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - Distribution Notice:
    This document has been approved for Public Release and is available for use without restriction.
--><!-- All classification marks in this example are --><!-- for illustrative purposes only, there are no --><!-- actual classified data contained in this example --><!--
To run whitelist tests, copy contents of example_whitelist_config.xml to ../../Schematron/Whitelist/whitelist_config.xml
--><!--
Goal:  Passing test of whitelist configuration for NTK Mission Need Access Profile
Test Config File:      ../example_whitelist_config.xml
Test Config Setting:   <NtkAccessProfile type="whitelist"
                        accessPolicy="urn:us:gov:ic:aces:ntk:mn">

                        ...
                        </NtkAccessProfile>

Expected Test Result:  PASS
Expected Error Message: N/A

To run this test:
    1. copy contents of Test Config File to ../../Schematron/Whitelist/whitelist_config.xml
--><test:root xmlns:test="test:ntk"
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            ism:compliesWith="USGov USIC"
            ism:resourceElement="true"
            ism:createDate="2012-05-28"
            ism:DESVersion="202111.202211"
            ism:ISMCACTESVersion="202211"
            ism:classification="S"
            ism:ownerProducer="USA"
            ism:disseminationControls="NF"
            ism:derivativelyClassifiedBy="Fred"
            ism:derivedFrom="Some Guide"
            ism:declassDate="2020-01-01"
            xsi:schemaLocation="test:ntk ../ISM/test_ntk.xsd">
  <arh:Security xmlns:arh="urn:us:gov:ic:arh"
                ism:classification="U"
                ism:ownerProducer="USA"
                ism:resourceElement="true"
                ism:compliesWith="USGov USIC"
                ism:createDate="2019-12-19">
    <ntk:Access xmlns:ntk="urn:us:gov:ic:ntk"
                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:mn</ntk:AccessPolicy>
            <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:datasphere</ntk:ProfileDes>
            <ntk:VocabularyType ntk:name="datasphere:mn:issue" ntk:sourceVersion="202111"/>
            <ntk:VocabularyType ntk:name="datasphere:mn:region" ntk:sourceVersion="202111"/>
            <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:RequiresAllOf>
    </ntk:Access>
  </arh:Security>
</test:root>
```

```
        </ntk:AccessProfileList>
      </ntk:RequiresAllOf>
    </ntk:Access>
  </arh:Security>
  <test:portion ism:classification="S"
               ism:ownerProducer="USA"
               ism:disseminationControls="NF" />
</test:root>
```

2.18 - Whitelist-NTK-AllOf-FAIL-001.xml

```
<?xml-model href="../../../Schematron/Whitelist/Whitelist_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - Distribution Notice:
    This document has been approved for Public Release and is available for use without restriction.
    --><!-- All classification marks in this example are    --><!-- for illustrative purposes only, there are no    --><!-- actual classified data contained in this example --><!--
    To run whitelist tests, copy contents of example_whitelist_config.xml to ../../Schematron/Whitelist/whitelist_config.xml
--><!--
    Goal:  Passing test of whitelist configuration for NTK AllOf Access Profiles
    Test Config File:      ../example_whitelist_config.xml
    Test Config Setting:   <NtkAccessProfile type="whitelist"
                                accessPolicy="urn:us:gov:ic:aces:ntk:permissive">

                                ...
                                </NtkAccessProfile>

    Expected Test Result:  FAIL
    Expected Error Message: WLNtkAccessProfileValue-ID-00002

    To run this test:
        1. copy contents of Test Config File to ../../Schematron/Whitelist/whitelist_config.xml
--><test:root xmlns:test="test:ntk"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    ism:compliesWith="USGov USIC"
    ism:resourceElement="true"
    ism:createDate="2012-05-28"
    ism:DESVersion="202111.202211"
    ism:ISMCATCESVersion="202211"
    ism:classification="S"
    ism:ownerProducer="USA"
    ism:disseminationControls="NF"
    ism:derivativelyClassifiedBy="Fred"
    ism:derivedFrom="Some Guide"
    ism:declassDate="2020-01-01"
    xsi:schemaLocation="test:ntk ../ISM/test_ntk.xsd">
<arh:Security xmlns:arh="urn:us:gov:ic:arh"
    ism:classification="U"
    ism:ownerProducer="USA"
    ism:resourceElement="true"
    ism:compliesWith="USGov USIC"
    ism:createDate="2019-12-19">
<ntk:Access xmlns:ntk="urn:us:gov:ic:ntk"
    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:permissive</ntk:AccessPolicy>
                <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:grp-ind</ntk:ProfileDes>
                <ntk:VocabularyType ntk:name="group:bob_ldap" ntk:source="Bob_LDAP"/>
                <ntk:AccessProfileValue ntk:vocabulary="group:bob_ldap">Wheel</ntk:AccessProfileValue>
                <ntk:AccessProfileValue ntk:vocabulary="group:bob_ldap">SuperUser</ntk:AccessProfileValue>
            </ntk:AccessProfile>
            <ntk:AccessProfile ism:classification="U" ism:ownerProducer="USA">
                <ntk:AccessPolicy>urn:us:gov:ic:aces:ntk:permissive</ntk:AccessPolicy>
                <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:grp-ind</ntk:ProfileDes>
                <ntk:VocabularyType ntk:name="group:chris_ldap" ntk:source="Chris_LDAP"/>
```

```

        <ntk:AccessProfileValue ntk:vocabulary="group:chris_ldap">Wheel</ntk:AccessProfileValue>
        <ntk:AccessProfileValue ntk:vocabulary="group:chris_ldap">SuperUser</ntk:AccessProfileValue>
    </ntk:AccessProfile>
</ntk:AccessProfileList>
</ntk:RequiresAllOf>
</ntk:Access>
</arh:Security>
<test:portion ism:classification="S"
               ism:ownerProducer="USA"
               ism:disseminationControls="NF" />
</test:root>
```

2.19 - Whitelist-NTK-AllOf-PASS-001.xml

```
<?xml-model href="../../../Schematron/Whitelist/Whitelist_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - Distribution Notice:
    This document has been approved for Public Release and is available for use without restriction.
--><!-- All classification marks in this example are --><!-- for illustrative purposes only, there are no --><!-- actual classified data contained in this example --><!--
    To run whitelist tests, copy contents of example_whitelist_config.xml to ../../Schematron/Whitelist/whitelist_config.xml
--><!--
    Goal:  Passing test of whitelist configuration for NTK AllOf Access Profiles
    Test Config File:      ../example_whitelist_config.xml
    Test Config Setting:   <NtkAccessProfile type="whitelist"
                                accessPolicy="urn:us:gov:ic:aces:ntk:oc">

                                ...
                                </NtkAccessProfile>

    Expected Test Result:  PASS
    Expected Error Message: N/A

    To run this test:
        1. copy contents of Test Config File to ../../Schematron/Whitelist/whitelist_config.xml
--><test:root xmlns:test="test:ntk"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    ism:compliesWith="USGov USIC"
    ism:resourceElement="true"
    ism:createDate="2012-05-28"
    ism:DESVersion="202111.202211"
    ism:ISMATCESVersion="202211"
    ism:classification="S"
    ism:ownerProducer="USA"
    ism:disseminationControls="OC NF"
    ism:derivativelyClassifiedBy="Fred"
    ism:derivedFrom="Some Guide"
    ism:declassDate="2020-01-01"
    xsi:schemaLocation="test:ntk ../ISM/test_ntk.xsd">
  <arh:Security xmlns:arh="urn:us:gov:ic:arh"
    ism:classification="U"
    ism:ownerProducer="USA"
    ism:resourceElement="true"
    ism:compliesWith="USGov USIC"
    ism:createDate="2019-12-19">
    <ntk:Access xmlns:ntk="urn:us:gov:ic:ntk"
      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:oc</ntk:AccessPolicy>
            <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:agencydissem</ntk:ProfileDes>
            <ntk:VocabularyType ntk:name="organization:usa-agency" ntk:sourceVersion="202207"/>
            <ntk:AccessProfileValue ntk:qualifier="originator" ntk:vocabulary="organization:usa-agency">USA.DNI</ntk:AccessProfileValue>
            <ntk:AccessProfileValue ntk:qualifier="dissemto" ntk:vocabulary="organization:usa-agency">USA.CIA</ntk:AccessProfileValue>
            <ntk:AccessProfileValue ntk:qualifier="dissemto" ntk:vocabulary="organization:usa-agency">USA.NSA</ntk:AccessProfileValue>
          </ntk:AccessProfile>
          <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="202111"/>
    <ntk:VocabularyType ntk:name="datasphere:mn:region" ntk:sourceVersion="202111"/>
    <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:AccessProfile ism:classification="U" ism:ownerProducer="USA">
    <ntk:AccessPolicy>urn:us:gov:ic:aces:ntk:restrictive</ntk:AccessPolicy>
    <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:grp-ind</ntk:ProfileDes>
    <ntk:AccessProfileValue ntk:vocabulary="group:iaaems">GROUP1</ntk:AccessProfileValue>
    <ntk:AccessProfileValue ntk:vocabulary="group:iaaems">GROUP2</ntk:AccessProfileValue>
    <ntk:AccessProfileValue ntk:vocabulary="group:iaaems">GROUP3</ntk:AccessProfileValue>
  </ntk:AccessProfile>
</ntk:AccessProfileList>
</ntk:RequiresAllOf>
</ntk:Access>
</arh:Security>
<test:portion ism:classification="S"
               ism:ownerProducer="USA"
               ism:disseminationControls="OC NF"/>
</test:root>
```

2.20 - Whitelist-NTK-AnyOf-FAIL-001.xml

```
<?xml-model href="../../../Schematron/Whitelist/Whitelist_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - Distribution Notice:
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    --><!-- All classification marks in this example are    --><!-- for illustrative purposes only, there are no    --><!-- actual classified data contained in this example --><!--
    To run whitelist tests, copy contents of example_whitelist_config.xml to ../../Schematron/Whitelist/whitelist_config.xml
--><!--
    Goal:  Passing test of whitelist configuration for NTK Allof with Restrictive Access Profiles
    Test Config File:      ../example_whitelist_config.xml
    Test Config Setting:   <NtkAccessProfile type="whitelist"
                            accessPolicy="urn:us:gov:ic:aces:ntk:permissive">

                            ...
                            </NtkAccessProfile>

    Expected Test Result:  FAIL
    Expected Error Message: WLNtkAccessProfileValue-ID-00001

    To run this test:
        1. copy contents of Test Config File to ../../Schematron/Whitelist/whitelist_config.xml
--><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"
            ism:createDate="2012-05-28"
            ism:DESVersion="202111.202211"
            ism:ISMCAICESVersion="202211"
            ism:classification="S"
            ism:ownerProducer="USA"
            ism:disseminationControls="NF"
            ism:derivativelyClassifiedBy="Fred"
            ism:derivedFrom="Some Guide"
            ism:declassDate="2020-01-01"
            xsi:schemaLocation="test:ntk ../ISM/test_ntk.xsd">
    <arh:Security xmlns:arh="urn:us:gov:ic:arh"
        ism:classification="U"
        ism:ownerProducer="USA"
        ism:resourceElement="true"
        ism:compliesWith="USGov USIC"
        ism:createDate="2019-12-19">
    <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:permissive</ntk:AccessPolicy>
    <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:grp-ind</ntk:ProfileDes>
    <ntk:VocabularyType ntk:name="group:paul_ldap" ntk:source="Paul_LDAP"/>
    <ntk:AccessProfileValue ntk:vocabulary="group:paul_ldap">SquareWheel</ntk:AccessProfileValue>
    <ntk:AccessProfileValue ntk:vocabulary="group:paul_ldap">NotSoSuperUser</ntk:AccessProfileValue>
    </ntk:AccessProfile>
    <ntk:AccessProfile ism:classification="U" ism:ownerProducer="USA">
    <ntk:AccessPolicy>urn:us:gov:ic:aces:ntk:permissive</ntk:AccessPolicy>
    <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:grp-ind</ntk:ProfileDes>
    <ntk:VocabularyType ntk:name="group:chris_ldap" ntk:source="Chris_LDAP"/>
    <ntk:AccessProfileValue ntk:vocabulary="group:chris_ldap">SquareWheel</ntk:AccessProfileValue>
```

```

    <ntk:AccessProfileValue ntk:vocabulary="group:chris_ldap">NotSoSuperUser</ntk:AccessProfileValue>
  </ntk:AccessProfile>
  <ntk:AccessProfile ism:classification="U" ism:ownerProducer="USA">
    <ntk:AccessPolicy>urn:us:gov:ic:aces:ntk:restrictive</ntk:AccessPolicy>
    <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:grp-ind</ntk:ProfileDes>
    <ntk:VocabularyType ntk:name="group:chris_ldapx" ntk:source="Chris_LDAP"/>
    <ntk:AccessProfileValue ntk:vocabulary="group:chris_ldapx">SquareWheel</ntk:AccessProfileValue>
    <ntk:AccessProfileValue ntk:vocabulary="group:chris_ldapx">NotSoSuperUser</ntk:AccessProfileValue>
  </ntk:AccessProfile>
</ntk:AccessProfileList>
</ntk:RequiresAnyOf>
</ntk:Access>
</arh:Security>
<test:portion ism:classification="S"
  ism:ownerProducer="USA"
  ism:disseminationControls="NF"/>
</test:root>
```


2.21 - Whitelist-NTK-AnyOf-PASS-001.xml

```
<?xml-model href="../../../Schematron/Whitelist/Whitelist_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - Distribution Notice:
    This document has been approved for Public Release and is available for use without restriction.
    --><!-- All classification marks in this example are    --><!-- for illustrative purposes only, there are no    --><!-- actual classified data contained in this example --><!--
    To run whitelist tests, copy contents of example_whitelist_config.xml to ../../Schematron/Whitelist/whitelist_config.xml
--><!--
    Goal:  Passing test of whitelist configuration for NTK Allof with Permissive Access Profiles
    Test Config File:      ../example_whitelist_config.xml
    Test Config Setting:   <NtkAccessProfile type="whitelist"
                            accessPolicy="urn:us:gov:ic:aces:ntk:permissive">

                            ...
                            </NtkAccessProfile>

    Expected Test Result:  PASS
    Expected Error Message: N/A

    To run this test:
        1. copy contents of Test Config File to ../../Schematron/Whitelist/whitelist_config.xml
--><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"
            ism:createDate="2012-05-28"
            ism:DESVersion="202111.202211"
            ism:ISMCAICESVersion="202211"
            ism:classification="S"
            ism:ownerProducer="USA"
            ism:disseminationControls="NF"
            ism:derivativelyClassifiedBy="Fred"
            ism:derivedFrom="Some Guide"
            ism:declassDate="2020-01-01"
            xsi:schemaLocation="test:ntk ../ISM/test_ntk.xsd">
    <arh:Security xmlns:arh="urn:us:gov:ic:arh"
        ism:classification="U"
        ism:ownerProducer="USA"
        ism:resourceElement="true"
        ism:compliesWith="USGov USIC"
        ism:createDate="2019-12-19">
    <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:permissive</ntk:AccessPolicy>
    <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:grp-ind</ntk:ProfileDes>
    <ntk:VocabularyType ntk:name="group:bob_ldap" ntk:source="Bob_LDAP"/>
    <ntk:AccessProfileValue ntk:vocabulary="group:bob_ldap">Wheel</ntk:AccessProfileValue>
    <ntk:AccessProfileValue ntk:vocabulary="group:bob_ldap">SuperUser</ntk:AccessProfileValue>
    </ntk:AccessProfile>
    <ntk:AccessProfile ism:classification="U" ism:ownerProducer="USA">
    <ntk:AccessPolicy>urn:us:gov:ic:aces:ntk:permissive</ntk:AccessPolicy>
    <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:grp-ind</ntk:ProfileDes>
    <ntk:VocabularyType ntk:name="group:chris_ldap" ntk:source="Chris_LDAP"/>
    <ntk:AccessProfileValue ntk:vocabulary="group:chris_ldap">Wheel</ntk:AccessProfileValue>
```

```

        <ntk:AccessProfileValue ntk:vocabulary="group:chris_ldap">SuperUser</ntk:AccessProfileValue>
      </ntk:AccessProfile>
    </ntk:AccessProfileList>
  </ntk:RequiresAnyOf>
</ntk:Access>
</arh:Security>
<test:portion ism:classification="S"
              ism:ownerProducer="USA"
              ism:disseminationControls="NF"/>
</test:root>
```

2.22 - Whitelist-NTK-AnyOf-PASS-002.xml

```
<?xml-model href="../../../Schematron/Whitelist/Whitelist_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - Distribution Notice:
    This document has been approved for Public Release and is available for use without restriction.
    --><!-- All classification marks in this example are    --><!-- for illustrative purposes only, there are no    --><!-- actual classified data contained in this example --><!--
    To run whitelist tests, copy contents of example_whitelist_config.xml to ../../Schematron/Whitelist/whitelist_config.xml
--><!--
    Goal:  Passing test of whitelist configuration for NTK Allof with Restrictive Access Profiles
    Test Config File:      ../example_whitelist_config.xml
    Test Config Setting:   <NtkAccessProfile type="whitelist"
                                accessPolicy="urn:us:gov:ic:aces:ntk:restrictive">
                                ...
                                </NtkAccessProfile>
    Expected Test Result:  PASS
    Expected Error Message: N/A

    To run this test:
        1. copy contents of Test Config File to ../../Schematron/Whitelist/whitelist_config.xml
--><test:root xmlns:test="test:ntk"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    ism:compliesWith="USGov USIC"
    ism:resourceElement="true"
    ism:createDate="2012-05-28"
    ism:DESVersion="202111.202211"
    ism:ISMCATCESVersion="202211"
    ism:classification="S"
    ism:ownerProducer="USA"
    ism:disseminationControls="NF"
    ism:derivativelyClassifiedBy="Fred"
    ism:derivedFrom="Some Guide"
    ism:declassDate="2020-01-01"
    xsi:schemaLocation="test:ntk ../ISM/test_ntk.xsd">
  <arh:Security xmlns:arh="urn:us:gov:ic:arh"
    ism:classification="U"
    ism:ownerProducer="USA"
    ism:resourceElement="true"
    ism:compliesWith="USGov USIC"
    ism:createDate="2019-12-19">
    <ntk:Access xmlns:ntk="urn:us:gov:ic:ntk"
      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:restrictive</ntk:AccessPolicy>
            <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:grp-ind</ntk:ProfileDes>
            <ntk:AccessProfileValue ntk:vocabulary="group:iaaems">GROUP1</ntk:AccessProfileValue>
            <ntk:AccessProfileValue ntk:vocabulary="group:iaaems">GROUP2</ntk:AccessProfileValue>
            <ntk:AccessProfileValue ntk:vocabulary="group:iaaems">GROUP3</ntk:AccessProfileValue>
          </ntk:AccessProfile>
        </ntk:AccessProfileList>
      </ntk:RequiresAnyOf>
    </ntk:Access>
  </arh:Security>
```

```
<test:portion ism:classification="S"  
              ism:ownerProducer="USA"  
              ism:disseminationControls="NF" />  
</test:root>
```

2.23 - Whitelist-OC-FAIL-001.xml

```
<?xml-model href="../../../Schematron/Whitelist/Whitelist_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - Distribution Notice:
    This document has been approved for Public Release and is available for use without restriction.
--><!-- All classification marks in this example are --><!-- for illustrative purposes only, there are no --><!-- actual classified data contained in this example --><!--
To run whitelist tests, copy contents of example_whitelist_config.xml to ../../Schematron/Whitelist/whitelist_config.xml
--><!--
Goal:  Passing test of whitelist configuration for NTK ORCON Access Profile
Test Config File:    ../example_whitelist_config.xml
Test Config Setting:  <NtkAccessProfile type="whitelist"
                        accessPolicy="organization:usa-agency">
                            <profile vocabulary="datasphere:license" profileValue="DNI" />
                        ...
                        </NtkAccessProfile>

Expected Test Result:  FAIL
Expected Error Message: WLNtkAccessProfileValue-ID-00002

To run this test:
    1. copy contents of Test Config File to ../../Schematron/Whitelist/whitelist_config.xml
--><test:root xmlns:test="test:ntk"
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            ism:compliesWith="USGov USIC"
            ism:resourceElement="true"
            ism:createDate="2012-05-28"
            ism:DESVersion="202111.202211"
            ism:ISMCACTESVersion="202211"
            ism:classification="S"
            ism:ownerProducer="USA"
            ism:disseminationControls="OC NF"
            ism:derivativelyClassifiedBy="Fred"
            ism:derivedFrom="Some Guide"
            ism:declassDate="2020-01-01"
            xsi:schemaLocation="test:ntk ../ISM/test_ntk.xsd">
  <arh:Security xmlns:arh="urn:us:gov:ic:arh"
                ism:classification="U"
                ism:ownerProducer="USA"
                ism:resourceElement="true"
                ism:compliesWith="USGov USIC"
                ism:createDate="2019-12-19">
    <ntk:Access xmlns:ntk="urn:us:gov:ic:ntk"
                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:oc</ntk:AccessPolicy>
            <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:agencydissem</ntk:ProfileDes>
            <ntk:VocabularyType ntk:name="organization:usa-agency" ntk:sourceVersion="202207"/>
            <ntk:AccessProfileValue ntk:qualifier="originator" ntk:vocabulary="organization:usa-agency">USA.CIA</ntk:AccessProfileValue>
            <ntk:AccessProfileValue ntk:qualifier="dissemto" ntk:vocabulary="organization:usa-agency">USA.FBI</ntk:AccessProfileValue>
          </ntk:AccessProfile>
          <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="202111"/>
    <ntk:VocabularyType ntk:name="datasphere:mn:region" ntk:sourceVersion="202111"/>
    <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:RequiresAllOf>
</ntk:Access>
</arh:Security>
<test:portion ism:classification="S"
  ism:ownerProducer="USA"
  ism:disseminationControls="OC NF"/>
</test:root>
```

2.24 - Whitelist-OC-PASS-001.xml

```
<?xml-model href="../../../Schematron/Whitelist/Whitelist_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - Distribution Notice:
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--><!-- All classification marks in this example are --><!-- for illustrative purposes only, there are no --><!-- actual classified data contained in this example --><!--
To run whitelist tests, copy contents of example_whitelist_config.xml to ../../Schematron/Whitelist/whitelist_config.xml
--><!--
Goal:  Passing test of whitelist configuration for NTK ORCON Access Profile
Test Config File:    ../example_whitelist_config.xml
Test Config Setting:  <NtkAccessProfile type="whitelist"
                        accessPolicy="organization:usa-agency">
                            <profile vocabulary="datasphere:license" profileValue="DNI" />
                        ...
                        </NtkAccessProfile>

Expected Test Result:  PASS
Expected Error Message: N/A

To run this test:
    1. copy contents of Test Config File to ../../Schematron/Whitelist/whitelist_config.xml
--><test:root xmlns:test="test:ntk"
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            ism:compliesWith="USGov USIC"
            ism:resourceElement="true"
            ism:createDate="2012-05-28"
            ism:DESVersion="202111.202211"
            ism:ISMCACTCESVersion="202211"
            ism:classification="S"
            ism:ownerProducer="USA"
            ism:disseminationControls="OC NF"
            ism:derivativelyClassifiedBy="Fred"
            ism:derivedFrom="Some Guide"
            ism:declassDate="2020-01-01"
            xsi:schemaLocation="test:ntk ../ISM/test_ntk.xsd">
  <arh:Security xmlns:arh="urn:us:gov:ic:arh"
                ism:classification="U"
                ism:ownerProducer="USA"
                ism:resourceElement="true"
                ism:compliesWith="USGov USIC"
                ism:createDate="2019-12-19">
    <ntk:Access xmlns:ntk="urn:us:gov:ic:ntk"
                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:oc</ntk:AccessPolicy>
            <ntk:ProfileDes>urn:us:gov:ic:ntk:profile:agencydissem</ntk:ProfileDes>
            <ntk:VocabularyType ntk:name="organization:usa-agency" ntk:sourceVersion="202207"/>
            <ntk:AccessProfileValue ntk:qualifier="originator" ntk:vocabulary="organization:usa-agency">USA.CIA</ntk:AccessProfileValue>
            <ntk:AccessProfileValue ntk:qualifier="dissemto" ntk:vocabulary="organization:usa-agency">USA.DNI</ntk:AccessProfileValue>
            <ntk:AccessProfileValue ntk:qualifier="dissemto" ntk:vocabulary="organization:usa-agency">USA.NSA</ntk:AccessProfileValue>
          </ntk:AccessProfile>
          <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="202111"/>
    <ntk:VocabularyType ntk:name="datasphere:mn:region" ntk:sourceVersion="202111"/>
    <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:RequiresAllOf>
</ntk:Access>
</arh:Security>
<test:portion ism:classification="S"
  ism:ownerProducer="USA"
  ism:disseminationControls="NF"/>
</test:root>
```


2.25 - Whitelist-XD-FAIL-001.xml

```
<?xml-model href="../../../Schematron/Whitelist/Whitelist_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - Distribution Notice:
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To run whitelist tests, copy contents of example_whitelist_config.xml to ../../Schematron/Whitelist/whitelist_config.xml
--><!--
Goal:  Passing test of whitelist configuration for NTK EXDIS Access Profile
Test Config File:    ../example_whitelist_config.xml
Test Config Setting:  <NtkAccessProfile type="whitelist"
                        accessPolicy="urn:us:gov:ic:aces:ntk:xd">

                        ...
                        </NtkAccessProfile>

Expected Test Result:  FAIL
Expected Error Message: WLNtkAccessProfileValue-ID-00001

To run this test:
    1. copy contents of Test Config File to ../../Schematron/Whitelist/whitelist_config.xml
--><test:root xmlns:test="test:ntk"
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            ism:compliesWith="USGov USIC"
            ism:resourceElement="true"
            ism:createDate="9999-11-11"
            ism:DESVersion="202111.202211"
            ism:ISMCATCESVersion="202211"
            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 ../ISM/test_ntk.xsd">
  <arh:Security xmlns:arh="urn:us:gov:ic:arh"
                ism:classification="U"
                ism:ownerProducer="USA"
                ism:resourceElement="true"
                ism:compliesWith="USGov USIC"
                ism:createDate="2019-12-19">
    <ntk:Access xmlns:ntk="urn:us:gov:ic:ntk"
                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>
            <ntk:VocabularyType ntk:name="organization:usa-agency" ntk:sourceVersion="202207"/>
            <ntk:AccessProfileValue ntk:qualifier="originator" ntk:vocabulary="organization:usa-agency">USA.CIA</ntk:AccessProfileValue>
            <ntk:AccessProfileValue ntk:qualifier="dissemto" ntk:vocabulary="organization:usa-agency">USA.DNI</ntk:AccessProfileValue>
            <ntk:AccessProfileValue ntk:qualifier="dissemto" ntk:vocabulary="organization:usa-agency">USA.NGA</ntk:AccessProfileValue>
          </ntk:AccessProfile>
        </ntk:AccessProfileList>
      </ntk:RequiresAnyOf>
    </ntk:Access>
  </arh:Security>
</test:root>
```

```
        </ntk:Access>
    </arh:Security>
    <test:portion ism:classification="S"
                  ism:ownerProducer="USA"
                  ism:disseminationControls="NF" />
</test:root>
```

2.26 - Whitelist-XD-PASS-001.xml

```
<?xml-model href="../../../Schematron/Whitelist/Whitelist_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><!-- Notices - Distribution Notice:
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    --><!-- All classification marks in this example are    --><!-- for illustrative purposes only, there are no    --><!-- actual classified data contained in this example --><!--
    To run whitelist tests, copy contents of example_whitelist_config.xml to ../../Schematron/Whitelist/whitelist_config.xml
--><!--
Goal:  Passing test of whitelist configuration for NTK EXDIS Access Profile
Test Config File:    ../example_whitelist_config.xml
Test Config Setting:  <NtkAccessProfile type="whitelist"
                        accessPolicy="urn:us:gov:ic:aces:ntk:xd">

                        ...
                        </NtkAccessProfile>

Expected Test Result:  PASS
Expected Error Message: N/A

    To run this test:
        1. copy contents of Test Config File to ../../Schematron/Whitelist/whitelist_config.xml
--><test:root xmlns:test="test:ntk"
            xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
            ism:compliesWith="USGov USIC"
            ism:resourceElement="true"
            ism:createDate="9999-11-11"
            ism:DESVersion="202111.202211"
            ism:ISMCATCESVersion="202211"
            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 ../ISM/test_ntk.xsd">
  <arh:Security xmlns:arh="urn:us:gov:ic:arh"
    ism:classification="U"
    ism:ownerProducer="USA"
    ism:resourceElement="true"
    ism:compliesWith="USGov USIC"
    ism:createDate="2019-12-19">
    <ntk:Access xmlns:ntk="urn:us:gov:ic:ntk"
      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>
            <ntk:VocabularyType ntk:name="organization:usa-agency" ntk:sourceVersion="202207"/>
            <ntk:AccessProfileValue ntk:qualifier="originator" ntk:vocabulary="organization:usa-agency">USA.CIA</ntk:AccessProfileValue>
            <ntk:AccessProfileValue ntk:qualifier="dissemto" ntk:vocabulary="organization:usa-agency">USA.DNI</ntk:AccessProfileValue>
            <ntk:AccessProfileValue ntk:qualifier="dissemto" ntk:vocabulary="organization:usa-agency">USA.NSA</ntk:AccessProfileValue>
          </ntk:AccessProfile>
        </ntk:AccessProfileList>
      </ntk:RequiresAnyOf>
    </ntk:Access>
  </arh:Security>
</test:root>
```

```
        </ntk:Access>
    </arh:Security>
    <test:portion ism:classification="S"
                  ism:ownerProducer="USA"
                  ism:disseminationControls="NF" />
</test:root>
```