



XML Examples for DDMS

DDMS-Examples

Version 5

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Distribution Notice:

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Chapter 1 - Introduction

1.1 - Purpose

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

1.2 - Overview

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

Chapter 2 - Example Files Code Listings

2.1 - 2DEllipse_DDMSExample1.xml

```
<!-- The intent of this example is to demonstrate the proper usage of the TSPI 2D Geodetic Ellipse and the 23Bit Presentation Encoding. It is indicative of a DDMS record
that has been removed from an encompassing TDF/TDO and is intended solely as a stand alone example for the use of TSPI.--><ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:5"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../Schema/DDMS/DDMS-v5.xsd"><!-- IC-CIO Encoding Team replaced
xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../DDMS-v5.xsd" with path to the schema in the packaging we provide. -->
  <ddms:metacardInfo ism:classification="U" ism:ownerProducer="USA">
    <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
      ddms:value="DDMS5_TSPI_Geodetic_2D_Ellipse_23Bit_Example_1"/>
    <ddms:dates ddms:created="2013-01-01" ddms:posted="2013-01-03"/>
    <ddms:publisher>
      <ddms:unknown>
        <ddms:name>DDMS Team</ddms:name>
      </ddms:unknown>
    </ddms:publisher>
  </ddms:metacardInfo>
  <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
    ddms:value="DDMS5_TSPI_Geodetic_2D_Ellipse_23Bit_Example_1"/>
  <ddms:title ism:classification="U" ism:ownerProducer="USA">An example of Time Space Position Information Standard using a Geodetic 2D Ellipse and 23Bit encoding: Example 1</
ddms:title>
  <ddms:dates ddms:created="2013-01-01T06:29:33Z"/>
  <ddms:type ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:Examples:documentType"
    ddms:value="example"/>
  <!--This urn in ddms:qualifier in ddms:type was invented to indicate that this document is an example. Not a real urn.-->
  <ddms:creator>
    <ddms:unknown>
      <ddms:name>DDMS Team</ddms:name>
    </ddms:unknown>
  </ddms:creator>
  <ddms:publisher>
    <ddms:organization>
      <ddms:name>Novetta</ddms:name>
    </ddms:organization>
  </ddms:publisher>
  <ddms:contributor>
    <ddms:organization ddms:acronym="NGA">
      <ddms:name>National Geospatial-Intelligence Agency</ddms:name>
    </ddms:organization>
  </ddms:contributor>
  <ddms:contributor>
    <ddms:person>
      <ddms:name>Dr. Paul</ddms:name>
      <ddms:surname>Birkel</ddms:surname>
      <ddms:affiliation>MITRE</ddms:affiliation>
      <ddms:affiliation>NGA</ddms:affiliation>
    </ddms:person>
  </ddms:contributor>
  <ddms:subjectCoverage>
    <ddms:keyword ddms:value="TSPI 2D Ellipse Numeric 23-Bit Example"/>
  </ddms:subjectCoverage>
```

```
<ddms:geospatialCoverage>
  <ddms:boundingGeometry>
    <tspi:Ellipse xmlns:tspi="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0"
                  xmlns:gml="http://www.opengis.net/gml/3.2"
                  gml:id="EllipseGeodetic2DNumericBitExample"
                  srsName="http://metadata.ces.mil/mdr/ns/GSIP/crs/WGS84E_2D"><!-- "The TSPI ellipse is defined by its center point, the lengths of its major and minor
axes, and the direction of its major axis."
    quote from TSPI standard, section 5.4.5.2-->
    <gml:pos>53.81 -2.10</gml:pos>
    <!-- this identifies the center point of the ellipse in the format of a WGS84 Geodetic 2D position-->
    <tspi-core:semiMajorLength xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core"
                              uom="http://metadata.ces.mil/mdr/ns/GSIP/uom/length/kilometre">7.5</tspi-core:semiMajorLength>

    <!-- This specifies
    one-half of the length of the major axis-->
    <tspi-core:semiMinorLength xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core"
                              uom="http://metadata.ces.mil/mdr/ns/GSIP/uom/length/kilometre">5</tspi-core:semiMinorLength>

    <!-- This specifies
    one half of the length of the minor axis-->
    <tspi-core:orientation xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core"
                          uom="http://metadata.ces.mil/mdr/ns/GSIP/uom/planeAngle/arcDegree">-67.5</tspi-core:orientation>

    <!-- specifies the direction
    of the major axis of the ellipse measured counter-clockwise from the first axis of the CRS-->
    <tspi-core:horizResolutionCategory xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core">arcDegree23Bit</tspi-core:horizResolutionCategory>
    <tspi-core:horizPresentation xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core"
                                srsName="http://metadata.ces.mil/mdr/ns/GSIP/crs/WGS84E_2D">

      <tspi-core:numericBitLocation>
        <tspi-core:encoded23Bit><!-- Here the geodetic latitude and geodetic longitude of the center point are converted to 23-bit representations -->
        <tspi-core:latitude>2507727</tspi-core:latitude>
        <tspi-core:longitude>8486476</tspi-core:longitude>
        </tspi-core:encoded23Bit>
      </tspi-core:numericBitLocation>
    </tspi-core:horizPresentation>
  </tspi:Ellipse>
</ddms:boundingGeometry>
</ddms:geospatialCoverage>
</ddms:resource>
```

2.2 - 2DEnvelope_DDMSExample.xml

```
<!-- The intent of this example is to demonstrate the proper usage of the TSPI 2D Geodetic Envelope and the GEOREF quadrangle/zone Presentation. It is indicative of a DDMS record
that has been removed from an encompassing TDF/TDO and is intended solely as a stand alone example for the use of TSPI.--><ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:5"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../Schema/DDMS/DDMS-v5.xsd"><!-- IC-CIO Encoding Team replaced
xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../DDMS-v5.xsd" with path to the schema in the packaging we provide. -->
  <ddms:metacardInfo ism:classification="U" ism:ownerProducer="USA">
    <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
      ddms:value="DDMS5_TSPI_Geodetic_2D_Envelope_GEOREF_Example_1"/>
    <ddms:dates ddms:created="2013-01-01" ddms:posted="2013-01-03"/>
    <ddms:publisher>
      <ddms:unknown>
        <ddms:name>DDMS Team</ddms:name>
      </ddms:unknown>
    </ddms:publisher>
  </ddms:metacardInfo>
  <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
    ddms:value="DDMS5_TSPI_Geodetic_2D_Ellipse_GEOREF_Example_1"/>
  <ddms:title ism:classification="U" ism:ownerProducer="USA">An example of Time Space Position Information Standard using a Geodetic 2D Envelope and GEOREF encoding: Example 1</
ddms:title>
  <ddms:dates ddms:created="2013-01-01T06:29:33Z"/>
  <ddms:type ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:Examples:documentType"
    ddms:value="example"/>
  <!--This urn in ddms:qualifier in ddms:type was invented to indicate that this document is an example. Not a real urn.-->
  <ddms:creator>
    <ddms:unknown>
      <ddms:name>DDMS Team</ddms:name>
    </ddms:unknown>
  </ddms:creator>
  <ddms:publisher>
    <ddms:organization>
      <ddms:name>Novetta</ddms:name>
    </ddms:organization>
  </ddms:publisher>
  <ddms:contributor>
    <ddms:organization ddms:acronym="NGA">
      <ddms:name>National Geospatial-Intelligence Agency</ddms:name>
    </ddms:organization>
  </ddms:contributor>
  <ddms:contributor>
    <ddms:person>
      <ddms:name>Dr. Paul</ddms:name>
      <ddms:surname>Birkel</ddms:surname>
      <ddms:affiliation>MITRE</ddms:affiliation>
      <ddms:affiliation>NGA</ddms:affiliation>
    </ddms:person>
  </ddms:contributor>
  <ddms:subjectCoverage>
    <ddms:keyword ddms:value="TSPI 2D Envelope and GEOREF quadrangle/zone Example"/>
  </ddms:subjectCoverage>
  <ddms:geospatialCoverage>
    <ddms:boundingGeometry>
      <tspi:Envelope xmlns:tspi="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0"
```

```

        xmlns:gml="http://www.opengis.net/gml/3.2"
        gml:id="EnvelopeGeodetic2DQuadrangleExample"
        srsName="http://metadata.ces.mil/mdr/ns/GSIP/crs/WGS84E_2D">
    <tspi-core:lowerCorner xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core"><!-- The lower corner consists of all the minimal ordinates within the
envelope represented here using WGS84E -->
        <gml:pos>51.0667 -1.8</gml:pos>
    </tspi-core:lowerCorner>
    <tspi-core:upperCorner xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core"><!-- The upper corner consists of all the maximal ordinates within the
envelope represented here using WGS84E -->
        <gml:pos>52.75 -1.2</gml:pos>
    </tspi-core:upperCorner>
    <tspi-core:horizResolutionCategory xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core">arcMinute</tspi-core:horizResolutionCategory>
    <tspi-core:horizPresentation xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core"><!-- This presentation has the lower and upper corners represented
in GEOREF quadrangle/zone pairs using WGS84E-->
    <tspi-core:lowerCorner srsName="http://metadata.ces.mil/mdr/ns/GSIP/crs/WGS84E_2D">
        <tspi-core:quadrangleLocation>
            <tspi-core:quadrangle>MK</tspi-core:quadrangle>
            <tspi-core:zone>PG</tspi-core:zone>
            <tspi-core:subZoneMinute>
                <tspi-core:eastingMinute>12</tspi-core:eastingMinute>
                <tspi-core:northingMinute>04</tspi-core:northingMinute>
            </tspi-core:subZoneMinute>
            <tspi-core:subZoneFraction>
                <tspi-core:centiminute>
                    <tspi-core:eastingCentiminute>05</tspi-core:eastingCentiminute>
                    <tspi-core:northingCentiminute>10</tspi-core:northingCentiminute>
                </tspi-core:centiminute>
            </tspi-core:subZoneFraction>
        </tspi-core:quadrangleLocation>
    </tspi-core:lowerCorner>
    <tspi-core:upperCorner srsName="http://metadata.ces.mil/mdr/ns/GSIP/crs/WGS84E_2D">
        <tspi-core:quadrangleLocation>
            <tspi-core:quadrangle>MK</tspi-core:quadrangle>
            <tspi-core:zone>PH</tspi-core:zone>
            <tspi-core:subZoneMinute>
                <tspi-core:eastingMinute>45</tspi-core:eastingMinute>
                <tspi-core:northingMinute>48</tspi-core:northingMinute>
            </tspi-core:subZoneMinute>
            <tspi-core:subZoneFraction>
                <tspi-core:centiminute>
                    <tspi-core:eastingCentiminute>13</tspi-core:eastingCentiminute>
                    <tspi-core:northingCentiminute>11</tspi-core:northingCentiminute>
                </tspi-core:centiminute>
            </tspi-core:subZoneFraction>
        </tspi-core:quadrangleLocation>
    </tspi-core:upperCorner>
    </tspi-core:horizPresentation>
</tspi:Envelope>
</ddms:boundingGeometry>
</ddms:geospatialCoverage>
</ddms:resource>
```

2.3 - 2DPolygon_DDMSExample.xml

```
<!-- The intent of this example is to demonstrate the proper usage of the TSPI 2D Geodetic Polygon and the zone-metre Presentation. It is indicative of a DDMS record
      that has been removed from an encompassing TDF/TDO and is intended solely as a stand alone example for the use of TSPI.--><ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:5"
                        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
                        xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../Schema/DDMS/DDMS-v5.xsd"><!-- IC-CIO Encoding Team replaced
xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../DDMS-v5.xsd" with path to the schema in the packaging we provide. -->
  <ddms:metacardInfo ism:classification="U" ism:ownerProducer="USA">
    <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
                    ddms:value="DDMS5_TSPI_Geodetic_2D_Polygon_Zone-Metre_Example_1"/>
    <ddms:dates ddms:created="2013-01-01" ddms:posted="2013-01-03"/>
    <ddms:publisher>
      <ddms:unknown>
        <ddms:name>DDMS Team</ddms:name>
      </ddms:unknown>
    </ddms:publisher>
  </ddms:metacardInfo>
  <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
                  ddms:value="DDMS5_TSPI_Geodetic_2D_Polygon_Zone-Metre_Example_1"/>
  <ddms:title ism:classification="U" ism:ownerProducer="USA">An example of Time Space Position Information Standard using a Geodetic 2D Polygon and Zone-Metre presentation:
Example 1</ddms:title>
  <ddms:dates ddms:created="2013-01-01T06:29:33Z"/>
  <ddms:type ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:Examples:documentType"
            ddms:value="example"/>
  <!--This urn in ddms:qualifier in ddms:type was invented to indicate that this document is an example. Not a real urn.-->
  <ddms:creator>
    <ddms:unknown>
      <ddms:name>DDMS Team</ddms:name>
    </ddms:unknown>
  </ddms:creator>
  <ddms:publisher>
    <ddms:organization>
      <ddms:name>Novetta</ddms:name>
    </ddms:organization>
  </ddms:publisher>
  <ddms:contributor>
    <ddms:organization ddms:acronym="NGA">
      <ddms:name>National Geospatial-Intelligence Agency</ddms:name>
    </ddms:organization>
  </ddms:contributor>
  <ddms:contributor>
    <ddms:person>
      <ddms:name>Dr. Paul</ddms:name>
      <ddms:surname>Birkel</ddms:surname>
      <ddms:affiliation>MITRE</ddms:affiliation>
      <ddms:affiliation>NGA</ddms:affiliation>
    </ddms:person>
  </ddms:contributor>
  <ddms:subjectCoverage>
    <ddms:keyword ddms:value="TSPI 2D Polygon and Zone-Metre presentation Example"/>
  </ddms:subjectCoverage>
  <ddms:geospatialCoverage>
    <ddms:boundingGeometry>
      <tspi:Polygon xmlns:tspi="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0"
```

```

        xmlns:gml="http://www.opengis.net/gml/3.2"
        gml:id="PolygonGeodetic2DZoneMetreExample"
        srsName="http://metadata.ces.mil/mdr/ns/GSIP/crs/WGS84E_2D">
```

```

        </tspi-core:metreNorthing>
    </tspi-core:zoneMetreLocation>
    <!-- fourth position of the exterior ring -->
<tspi-core:zoneMetreLocation>
    <tspi-core:zoneColumn>30</tspi-core:zoneColumn>
    <tspi-core:hemisphere>north</tspi-core:hemisphere>
    <tspi-core:metreEasting>607011</tspi-core:metreEasting>
    <tspi-core:metreNorthing>
        <tspi-core:basicNorthing>5678743</tspi-core:basicNorthing>
    </tspi-core:metreNorthing>
</tspi-core:zoneMetreLocation>
    <!-- fifth (closure) position of the exterior ring -->
<tspi-core:zoneMetreLocation>
    <tspi-core:zoneColumn>30</tspi-core:zoneColumn>
    <tspi-core:hemisphere>north</tspi-core:hemisphere>
    <tspi-core:metreEasting>584082</tspi-core:metreEasting>
    <tspi-core:metreNorthing>
        <tspi-core:basicNorthing>5657923</tspi-core:basicNorthing>
    </tspi-core:metreNorthing>
</tspi-core:zoneMetreLocation>
</tspi-core:horizPresentation>
</tspi:Polygon>
</ddms:boundingGeometry>
</ddms:geospatialCoverage>
</ddms:resource>

```

2.4 - CircleGeodetic2D_23Bit_DDMSExample1.xml

```
<!-- The intent of this example is to demonstrate the proper usage of the TSPI 2D Geodetic Circle and 23 Bit Presentation Encoding. It is indicative of a DDMS record
that has been removed from an encompassing TDF/TDO and is intended solely as a stand alone example for the use of TSPI.--><ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:5"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../Schema/DDMS/DDMS-v5.xsd"><!-- IC-CIO Encoding Team replaced
xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../DDMS-v5.xsd" with path to the schema in the packaging we provide. -->
  <ddms:metacardInfo ism:classification="U" ism:ownerProducer="USA">
    <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
      ddms:value="DDMS5_TSPI_Geodetic_2D_Circle_23Bit_Example_1"/>
    <ddms:dates ddms:created="2012-12-28" ddms:posted="2013-01-03"/>
    <ddms:publisher>
      <ddms:unknown>
        <ddms:name>DDMS Team</ddms:name>
      </ddms:unknown>
    </ddms:publisher>
  </ddms:metacardInfo>
  <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
    ddms:value="DDMS5_TSPI_Geodetic_2D_Circle_23Bit_Example_1"/>
  <ddms:title ism:classification="U" ism:ownerProducer="USA">An example of Time Space Position Information Standard using a Geodetic 2D Circle and 23Bit encoding: Example 1</
ddms:title>

  <ddms:dates ddms:created="2012-12-28T06:29:33Z"/>
  <ddms:type ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:Examples:documentType"
    ddms:value="example"/>
  <!--This urn in ddms:qualifier in ddms:type was invented to indicate that this document is an example. Not a real urn.-->

  <ddms:creator>
    <ddms:unknown>
      <ddms:name>DDMS Team</ddms:name>
    </ddms:unknown>
  </ddms:creator>
  <ddms:publisher>
    <ddms:organization>
      <ddms:name>Novetta</ddms:name>
    </ddms:organization>
  </ddms:publisher>
  <ddms:contributor>
    <ddms:organization ddms:acronym="NGA">
      <ddms:name>National Geospatial-Intelligence Agency</ddms:name>
    </ddms:organization>
  </ddms:contributor>
  <ddms:contributor>
    <ddms:person>
      <ddms:name>Dr. Paul</ddms:name>
      <ddms:surname>Birkel</ddms:surname>
      <ddms:affiliation>MITRE</ddms:affiliation>
      <ddms:affiliation>NGA</ddms:affiliation>
    </ddms:person>
  </ddms:contributor>
  <ddms:subjectCoverage>
    <ddms:keyword ddms:value="TSPI 2D Circle Numeric 23-Bit Example"/>
  </ddms:subjectCoverage>
  <ddms:geospatialCoverage>
    <ddms:boundingGeometry>
      <tspi:Circle xmlns:tspi="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0"
```

```

    xmlns:gml="http://www.opengis.net/gml/3.2"
    gml:id="CircleGeodetic2DNumericBitExample"
    srsName="http://metadata.ces.mil/mdr/ns/GSIP/crs/WGS84E_2D"
    numArc="1"><!-- NOTE: "Since this gmlcd:SimpleCircleByCenterPoint is always a single curve, the gml:numArc is fixed to the value "1" (and
must be explicitly set in instance documents). This is an error (errata) in GML that is expected to be corrected in the next version"
quote from TSPI section 5.4.4 -->
<gml:pos>53.81 -2.10</gml:pos>
    <!-- this identifies the center point of the circle in the format of a WGS84 Geodetic 2D position-->
<gmlce:radius xmlns:gmlce="http://www.opengis.net/gml/3.3/ce"
    uom="http://metadata.ces.mil/mdr/ns/GSIP/uom/FOO/kilometre">20</gmlce:radius>
    <!-- This identifies a 20 kilometre radius -->
<gmlce:startAngle xmlns:gmlce="http://www.opengis.net/gml/3.3/ce"
    uom="http://metadata.ces.mil/mdr/ns/GSIP/uom/planeAngle/arcDegree">0</gmlce:startAngle>
    <!-- Specifies the bearing of the arc at it's start -->
<gmlce:endAngle xmlns:gmlce="http://www.opengis.net/gml/3.3/ce"
    uom="http://metadata.ces.mil/mdr/ns/GSIP/uom/planeAngle/arcDegree">360</gmlce:endAngle>
    <!-- Specifies the bearing of the arc at it's end -->
<tspi-core:horizResolutionCategory xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core">arcDegree23Bit</tspi-core:horizResolutionCategory>
    <tspi-core:horizPresentation xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core"
        srsName="http://metadata.ces.mil/mdr/ns/GSIP/crs/WGS84E_2D">
        <tspi-core:numericBitLocation>
            <tspi-core:encoded23Bit><!-- Here the geodetic latitude and geodetic longitude of the center point are converted to 23-bit representations -->
<tspi-core:latitude>2507727</tspi-core:latitude>
            <tspi-core:longitude>8486476</tspi-core:longitude>
        </tspi-core:encoded23Bit>
        </tspi-core:numericBitLocation>
    </tspi-core:horizPresentation>
</tspi:Circle>
</ddms:boundingGeometry>
</ddms:geospatialCoverage>
</ddms:resource>
```

2.5 - DDMS-v1_3_Bounding_Geometry_Example-Corrected.xml

```
<!-- edited with XMLSPY v5 rel. 4 U (http://www.xmlspy.com) by Joseph Pantella (FGM, INC.) --><!--Sample XML file generated by XMLSPY v5 rel. 4 U (http://www.xmlspy.com)--><ddms:Resource
xmlns:ddms="http://metadata.dod.mil/mdr/ns/DDMS/1.3/"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://metadata.dod.mil/mdr/ns/DDMS/1.3/ DDMS-v1_3.xsd">
  <ddms:identifier ddms:qualifier="http://metadata.dod.mil/mdr/ns/MDR/0.1/MDR.owl#URI"
    ddms:value="http://www.defenselink.mil/news/May2004/n05172004_200405174.html"/>
  <ddms:title xmlns:ICISM="urn:us:gov:ic:ism:v2"
    ICISM:classification="U"
    ICISM:ownerProducer="AUS GBR USA">Roadside Bomb Releases Sarin Gas in Baghdad</ddms:title>
  <ddms:description xmlns:ICISM="urn:us:gov:ic:ism:v2"
    ICISM:classification="U"
    ICISM:ownerProducer="AUS GBR USA">A roadside bomb containing the nerve agent sarin – a substance Saddam Hussein's regime insisted it had destroyed more than
a decade ago – exploded near a U.S. military convoy traveling near Baghdad, coalition officials said today.</ddms:description>
  <ddms:language ddms:qualifier="http://metadata.dod.mil/mdr/ns/ExtStd/iso_639-2b.owl#en"
    ddms:value="en"/>
  <ddms:dates ddms:posted="2004-08-16"/>
  <ddms:rights ddms:copyright="true"
    ddms:privacyAct="false"
    ddms:intellectualProperty="true"/>
  <ddms:creator xmlns:ICISM="urn:us:gov:ic:ism:v2"
    ICISM:classification="U"
    ICISM:ownerProducer="AUS GBR USA">
    <ddms:Person>
      <ddms:name>Donna Miles</ddms:name>
      <ddms:surname>Miles</ddms:surname>
      <ddms:affiliation>American Forces Press Service</ddms:affiliation>
    </ddms:Person>
  </ddms:creator>
  <ddms:publisher xmlns:ICISM="urn:us:gov:ic:ism:v2"
    ICISM:classification="U"
    ICISM:ownerProducer="AUS GBR USA">
    <ddms:Organization>
      <ddms:name>American Forces Press Service</ddms:name>
    </ddms:Organization>
  </ddms:publisher>
  <ddms:format>
    <ddms:Media>
      <ddms:mimeType>text/pdf</ddms:mimeType>
      <ddms:extent ddms:qualifier="http://metadata.dod.mil/mdr/ns/UnitOfMeasure/0.1/ComputerStorage.owl#byte"
        ddms:value="299000"/>
      <ddms:medium>digital</ddms:medium>
    </ddms:Media>
  </ddms:format>
  <ddms:subjectCoverage>
    <ddms:Subject>
      <ddms:category ddms:qualifier="http://metadata.dod.mil/mdr/ns/TaxFG/0.75c/Core_Tax_0.75c.owl#Terrorist_event "
        ddms:code="Terrorism_Event"
        ddms:label="Terrorism Event"/>
      <ddms:category ddms:qualifier="http://metadata.dod.mil/mdr/ns/DomainSets/1.0/GOP_biofeature_agent_type.owl#_21"
        ddms:code="_21"
        ddms:label="NERVE SARIN"/>
      <ddms:category ddms:qualifier="http://metadata.dod.mil/mdr/ns/DomainSets/1.0/GMI_TargetSystemType.owl#WMD"
```

```

        ddms:code="WMD"
        ddms:label="Weapons of Mass Destruction"/>
    </ddms:Subject>
</ddms:subjectCoverage>
<ddms:temporalCoverage>
    <ddms:TimePeriod>
        <ddms:start>2004-05-17</ddms:start>
        <ddms:end>2004-05-17</ddms:end>
    </ddms:TimePeriod>
</ddms:temporalCoverage>
<ddms:geospatialCoverage>
    <ddms:GeospatialExtent>
        <ddms:geographicIdentifier>
            <ddms:name>Iraq</ddms:name>
            <ddms:countryCode ddms:qualifier="http://metadata.dod.mil/mdr/ns/ExtStd/1.0/FIPS10-4-2.owl#IZ"/>
        </ddms:geographicIdentifier>
        <!-- This boundingGeometry creates a box around Baghdad using the WGS-84 Coordinate Reference System. The "srsDimension" attribute indicates the length of coordinate
sequence (the number of entries in the list), i.e. the number of components in the tuple, here 2. The "count" attribute specifies the number of direct positions in the list, here 5. -->
        <ddms:boundingGeometry>
            <gml:Polygon xmlns:gml="http://www.opengis.net/gml" srsName="WGS84" srsDimension="2">
                <gml:exterior>
                    <gml:LinearRing>
                        <gml:posList>34.0 44.0 33.0 44.0 33.0 45.0 34.0 45.0 34.0 44.0</gml:posList>
                    </gml:LinearRing>
                </gml:exterior>
            </gml:Polygon>
        </ddms:boundingGeometry>
    </ddms:GeospatialExtent>
</ddms:geospatialCoverage>
<ddms:security xmlns:ICISM="urn:us:gov:ic:ism:v2"
    ICISM:classification="U"
    ICISM:ownerProducer="AUS GBR USA"/>
</ddms:Resource>
```

2.6 - DDMS-v4_0_IRM_Instance1-Corrected.xml

```
<ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:4"
    xmlns:ICISM="urn:us:gov:ic:ism"
    xmlns:ntk="urn:us:gov:ic:ntk"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    ism:compliesWith="USGov USIC"
    ICISM:nonICmarkings="DS"
    ICISM:resourceElement="true "
    ICISM:classification="S"
    ICISM:disseminationControls="NF"
    ICISM:atomicEnergyMarkings="FRD"
    ntk:DESVersion="5 "
    ICISM:DESVersion="7"
    ism:createDate="2011-08-11"
    ICISM:ownerProducer="USA"
    xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:4 DDMS-v4_0.xsd">
  <ddms:metacardInfo>
    <ddms:identifier ddms:qualifier="IC-ID" ddms:value="MetaCard1"/>
    <ddms:dates ddms:created="2011-08-11" ddms:receivedOn="2011-08-12"/>
    <ddms:publisher ICISM:classification="U" ICISM:ownerProducer="USA">
      <ddms:organization ddms:acronym="ARMY">
        <ddms:name>ARMY</ddms:name>
        <ddms:subOrganization ICISM:classification="U" ICISM:ownerProducer="USA">NGIC</ddms:subOrganization>
      </ddms:organization>
    </ddms:publisher>
    <ddms:publisher>
      <ddms:organization>
        <ddms:name>Fred</ddms:name>
      </ddms:organization>
    </ddms:publisher>
    <ddms:creator>
      <ddms:organization>
        <ddms:name>DIA</ddms:name>
      </ddms:organization>
    </ddms:creator>
    <ddms:pointOfContact ICISM:ownerProducer="USA"
      ICISM:classification="U"
      ICISM:pocType="ORCON">
      <ddms:person>
        <ddms:name>Bob</ddms:name>
        <ddms:surname>Stuart</ddms:surname>
        <ddms:phone>555-555-5555</ddms:phone>
      </ddms:person>
    </ddms:pointOfContact>
    <ddms:noticeList ICISM:classification="U" ICISM:ownerProducer="USA">
      <ICISM:Notice ICISM:classification="U"
        ICISM:ownerProducer="USA"
        ICISM:noticeType="DS">
        <ICISM:NoticeText ICISM:classification="U" ICISM:ownerProducer="USA">
          Distribution authorized to DoD, IAW 10 U.S.C. §§130 & 455. Release authorized to U.S. DoD contractors
          IAW 48 C.F.R §252.245-7000. Refer other requests to: Headquarters, NGA, ATTN: Release Officer, Mail Stop
          D-120, 4600 Sangamore Road, Bethesda, MD 20816-5003. Destroy IAW DoD 5030.59. Removal of this caveat
          is prohibited.
```

```
</ICISM:NoticeText>
  </ICISM:Notice>
  <ICISM:Notice ICISM:classification="U"
    ICISM:ownerProducer="USA"
    ICISM:unregisteredNoticeType="Mikel">
    <ICISM:NoticeText ICISM:classification="U" ICISM:ownerProducer="USA">
      NAMES NOT FURTHER IDENTIFIED UNLESS OTHERWISE INDICATED
    </ICISM:NoticeText>
    </ICISM:Notice>
    <ICISM:Notice ICISM:classification="U"
      ICISM:ownerProducer="USA"
      ICISM:unregisteredNoticeType="Martian">
      <ICISM:NoticeText ICISM:classification="U" ICISM:ownerProducer="USA">
        WARNING: THIS REPORT IS THE SOLE PROPERTY OF THE MARTIAN GOVERNMENT. IT HAS
        BEEN PROVIDED ON THE CONDITION THAT ITS FOR THE USE OF THE INTELLIGENCE
        COMMUNITY OF THE RECIEVEING GOVERNMENT AND THAT IT NOT BE RECLASSIFIED,
        DOWNGRADED, OR RELEASED WITHOUT THE EXPRESS APPROVAL OF THE MARTIAN GOVERNMENT
      </ICISM:NoticeText>
      </ICISM:Notice>
      <ICISM:Notice ICISM:classification="U"
        ICISM:ownerProducer="USA"
        ICISM:unregisteredNoticeType="Bob1"><!-- (Bob) I can't see why this would fail any current definition of
        notice -->
      <ICISM:NoticeText ICISM:classification="U" ICISM:ownerProducer="USA">
        I like rabbits that may have impacted my analysis
        of any furriers that may or may not be in this report.</ICISM:NoticeText>
      </ICISM:Notice>
      <ICISM:Notice ICISM:classification="U"
        ICISM:ownerProducer="USA"
        ICISM:noticeType="POC">
        <ICISM:NoticeText ICISM:classification="U"
          ICISM:ownerProducer="USA"
          ICISM:pocType="ICD-710 DoD-Dist-C">
          John Smith, AgencyX, jsmith@agencyx.gov
        </ICISM:NoticeText>
        </ICISM:Notice>
        <ICISM:Notice ICISM:classification="U"
          ICISM:ownerProducer="USA"
          ICISM:noticeType="FRD"><!-- (Bob) Lame example to make two text portions in a single Notice -->
      <ICISM:NoticeText ICISM:classification="U" ICISM:ownerProducer="USA">
        Unauthorized disclosure subject to administrative and criminal sanctions.
        Handle as RESTRICTED DATA in foreign dissemination;
      </ICISM:NoticeText>
      <ICISM:NoticeText ICISM:classification="U" ICISM:ownerProducer="USA">
        Section 144b, Atomic Energy Act of 1954.
      </ICISM:NoticeText>
    </ICISM:Notice>
  </ddms:noticeList>
</ddms:metacardInfo>
<ddms:identifier ddms:qualifier="IC-ID" ddms:value="DescribedItem1"/>
<ddms:title ICISM:classification="U" ICISM:ownerProducer="USA">A cool document you can't read</ddms:title>
<ddms:description ICISM:classification="U"
  ICISM:ownerProducer="USA"
  ICISM:nonICmarkings="DS">This is a nice doc</ddms:description>
```

```
<ddms:language ddms:qualifier="urn:us:gov:ic:cenum:irm:iso639-2:trigraph:v1"
               ddms:value="eng"/>
<ddms:dates ddms:created="2010-11-10T12:00:00.0-04:00" ddms:approvedOn="2010-01-20"/>
<!--Added the qualifier to indicate that this is an IC Product Line Type -->
<ddms:type ddms:qualifier="urn:us:gov:ic:productLine" ddms:value="Report"/>
<ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline"
           ddms:value="SIGINT"
           ICISM:classification="U"
           ICISM:ownerProducer="USA"/>
<ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline:intelSubDiscipline"
           ddms:value="GEO"
           ICISM:classification="U"
           ICISM:ownerProducer="USA"/>
<ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline:intelSubDiscipline:intelSubdisciplineTechnique"
           ddms:value="CBRNE"
           ICISM:classification="U"
           ICISM:ownerProducer="USA"/>
<ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline:intelSubDiscipline:intelSubdisciplineTechnique"
           ddms:value="Environmental"
           ICISM:classification="U"
           ICISM:ownerProducer="USA"/>
<ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline:intelSubDiscipline"
           ddms:value="Nuclear"
           ICISM:classification="U"
           ICISM:ownerProducer="USA"/>
<ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline:intelSubDiscipline:other"
           ddms:value="someSecretDiscipline"
           ICISM:classification="S"
           ICISM:ownerProducer="USA"
           ICISM:disseminationControls="NF"
           ICISM:atomicEnergyMarkings="FRD"/>
<ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline:intelSubDiscipline:intelSubdisciplineTechnique:other"
           ddms:value="specialSecretSub"
           ICISM:classification="S"
           ICISM:ownerProducer="USA"
           ICISM:disseminationControls="RELIDO"/>
<ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline"
           ddms:value="MASINT"
           ICISM:classification="U"
           ICISM:ownerProducer="USA"/>
<ddms:type ddms:qualifier="urn:us:gov:ic:activity"
           ddms:value="crisis"
           ICISM:classification="U"
           ICISM:ownerProducer="USA">A critical crisis activity</ddms:type>
<ddms:publisher>
  <ddms:organization ddms:acronym="DEA">
    <ddms:name>DEA</ddms:name>
  </ddms:organization>
</ddms:publisher>
<ddms:publisher>
  <ddms:organization>
    <ddms:name>asdfasdf</ddms:name>
  </ddms:organization>
</ddms:publisher>
```

```
<ddms:publisher>
  <ddms:person>
    <ddms:name>Bill</ddms:name>
    <ddms:surname>Smith</ddms:surname>
  </ddms:person>
</ddms:publisher>
<ddms:contributor>
  <ddms:organization>
    <ddms:name>No Such Agency</ddms:name>
  </ddms:organization>
</ddms:contributor>
<ddms:creator>
  <ddms:person>
    <ddms:name>Fred</ddms:name>
    <ddms:surname>Smith</ddms:surname>
  </ddms:person>
</ddms:creator>
<ddms:format>
  <ddms:mimeType>application/dni-irm+xml</ddms:mimeType>
</ddms:format>
<ddms:subjectCoverage>
  <ddms:category ddms:label="label 0"/>
  <ddms:keyword ddms:value="value 3"/>
  <ddms:keyword ddms:value="value 4"/>
  <ddms:productionMetric ICISM:classification="U"
                        ICISM:ownerProducer="USA"
                        ddms:subject="FOOD"
                        ddms:coverage="AFG"/>
</ddms:subjectCoverage>
<ddms:virtualCoverage ddms:address="http://www.apple.com" ddms:protocol="HTTP"/>
<ddms:temporalCoverage>
  <ddms:start>Unknown</ddms:start>
  <ddms:end>2010-02-16</ddms:end>
</ddms:temporalCoverage>
<ddms:geospatialCoverage>
  <ddms:geographicIdentifier>
    <ddms:name>Bob House</ddms:name>
    <ddms:countryCode ddms:qualifier="urn:us:gov:ic:cenum:irm:coverage:iso3166:trigraph:v1"
                      ddms:value="CAN"/>
    <ddms:countryCode ddms:qualifier="urn:us:gov:ic:cenum:irm:coverage:iso3166:trigraph:v1"
                      ddms:value="AUS"/>
  </ddms:geographicIdentifier>
</ddms:geospatialCoverage>
<ddms:relatedResource ddms:relationship="ads" ddms:qualifier="asdf" ddms:value="asdf">
  <ddms:link xlink:href="asdf"
            xlink:type="locator"
            xlink:title="asdf"
            xlink:label="asdf"
            xlink:role="asdf"/>
</ddms:relatedResource>
<ddms:resourceManagement>
  <ddms:revisionRecall ddms:revisionID="7"
                      ICISM:classification="U"
                      ddms:revisionType="ADMINISTRATIVE RECALL">
```

```

        ICISM:ownerProducer="USA">
    <ddms:link xlink:href="asdfasdf"
        ICISM:classification="U"
        xlink:type="locator"
        ICISM:ownerProducer="USA"/>
    <ddms:details ICISM:classification="U" ICISM:ownerProducer="USA">asdfasdf</ddms:details>
    <ddms:details ICISM:classification="U" ICISM:ownerProducer="USA">asdfadsf</ddms:details>
</ddms:revisionRecall>
</ddms:resourceManagement>
<ddms:security ICISM:classification="U"
    ICISM:excludeFromRollup="true"
    ICISM:ownerProducer="USA">
    <ddms:noticeList ICISM:classification="U" ICISM:ownerProducer="USA">
        <ICISM:Notice ICISM:noticeType="DS"
            ICISM:nonICmarkings="DS"
            ICISM:classification="U"
            ICISM:ownerProducer="USA">
            <ICISM:NoticeText ICISM:classification="U" ICISM:ownerProducer="USA">
Distribution authorized to DoD, IAW 10 U.S.C. §§130 & 455. Release authorized to U.S.
DoD contractors IAW 48 C.F.R §252.245-7000. Refer other requests to: Headquarters,
NGA, ATTN: Release Officer, Mail Stop D-120, 4600 Sangamore Road, Bethesda, MD
20816-5003. Destroy IAW DoD 5030.59. Removal of this caveat is prohibited.
            </ICISM:NoticeText>
            </ICISM:Notice>
        </ddms:noticeList>
        <ntk:Access ICISM:classification="U" ICISM:ownerProducer="USA">
            <AccessProfileList xmlns="urn:us:gov:ic:ntk">
                <AccessProfile ICISM:classification="U" ICISM:ownerProducer="USA">
                    <ntk:AccessSystemName>DIAS</ntk:AccessSystemName>
                    <ntk:AccessGroupValue>WISE/RODCA</ntk:AccessGroupValue>
                </AccessProfile>
            </AccessProfileList>
        </ntk:Access>
    </ddms:security>
</ddms:resource>
```

2.7 - DDMS-v5_0_IRM_Instance1-Bad.xml

```
<TrustedDataObject xmlns="urn:us:gov:ic:tdf"
    xmlns:tdf="urn:us:gov:ic:tdf"
    tdf:version="testversion">
  <tdf:HandlingAssertion tdf:scope="TDO">
    <tdf:HandlingStatement>
      <edh:Edh xmlns:edh="urn:us:gov:ic:edh"
        xmlns:arh="urn:us:gov:ic:arh"
        xmlns:ntk="urn:us:gov:ic:ntk"
        ism:ISMATCESVersion="201709"
        edh:DESVersion="1"
        arh:DESVersion="1"
        ism:DESVersion="9"
        ntk:DESVersion="7"><!--All identifiers must be GUIDE identifiers.  Replace this stub with a valid GUIDE-->
      <edh:Identifier>GUIDE://0000/0003</edh:Identifier>
      <edh:DataItemCreateDateTime>2011-08-10T23:59:59Z</edh:DataItemCreateDateTime>
      <edh:ResponsibleEntity edh:role="Custodian">
        <edh:Country>USA</edh:Country>
        <edh:Organization>NSA</edh:Organization>
      </edh:ResponsibleEntity>
      <arh:Security ism:compliesWith="USGov USIC"
        ism:resourceElement="true "
        ism:classification="U"
        ism:DESVersion="9"
        ism:createDate="2011-08-11"
        ism:ownerProducer="USA">
        <ism:NoticeList ism:classification="U" ism:ownerProducer="USA">
          <ism:Notice ism:classification="U" ism:ownerProducer="USA" ism:noticeType="DS">
            <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">
              Distribution authorized to DoD, IAW 10 U.S.C. §§130 & 455. Release authorized to U.S. DoD contractors
              IAW 48 C.F.R §252.245-7000. Refer other requests to: Headquarters, NGA, ATTN: Release Officer, Mail Stop
              D-120, 4600 Sangamore Road, Bethesda, MD 20816-5003. Destroy IAW DoD 5030.59. Removal of this caveat
              is prohibited.
            </ism:NoticeText>
          </ism:Notice>
          <ism:Notice ism:classification="U"
            ism:ownerProducer="USA"
            ism:unregisteredNoticeType="Mike1">
            <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">
              NAMES NOT FURTHER IDENTIFIED UNLESS OTHERWISE INDICATED
            </ism:NoticeText>
          </ism:Notice>
          <ism:Notice ism:classification="U"
            ism:ownerProducer="USA"
            ism:unregisteredNoticeType="Martian">
            <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">
              WARNING: THIS REPORT IS THE SOLE PROPERTY OF THE MARTIAN GOVERNMENT.  IT HAS
              BEEN PROVIDED ON THE CONDITION THAT ITS FOR THE USE OF THE INTELLIGENCE
              COMMUNITY OF THE RECIEVEING GOVERNMENT AND THAT IT NOT BE RECLASSIFIED,
              DOWNGRADED, OR RELEASED WITHOUT THE EXPRESS APPROVAL OF THE MARTIAN GOVERNMENT
            </ism:NoticeText>
          </ism:Notice>
          <ism:Notice ism:classification="U"
```

```

        ism:ownerProducer="USA"
        ism:unregisteredNoticeType="Bob1">
    <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">
I like rabbits that may have impacted my analysis
of any furriers that may or may not be in this report.</ism:NoticeText>
    </ism:Notice>
    <ism:Notice ism:classification="U" ism:ownerProducer="USA" ism:noticeType="POC">
        <ism:NoticeText ism:classification="U"
            ism:ownerProducer="USA"
            ism:pocType="ICD-710 DoD-Dist-C">
            John Smith, AgencyX, jsmith@agencyx.gov
        </ism:NoticeText>
        </ism:Notice>
        <ism:Notice ism:classification="U" ism:ownerProducer="USA" ism:noticeType="FRD">
            <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">
            Unauthorized disclosure subject to administrative and criminal sanctions.
            Handle as RESTRICTED DATA in foreign dissemination;
        </ism:NoticeText>
            <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">
            Section 144b, Atomic Energy Act of 1954.
        </ism:NoticeText>
        </ism:Notice>
        <ism:Notice ism:noticeType="DS" ism:classification="U" ism:ownerProducer="USA">
            <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">
Distribution authorized to DoD, IAW 10 U.S.C. §§130 & 455. Release authorized to U.S.
DoD contractors IAW 48 C.F.R §252.245-7000. Refer other requests to: Headquarters,
NGA, ATTN: Release Officer, Mail Stop D-120, 4600 Sangamore Road, Bethesda, MD
20816-5003. Destroy IAW DoD 5030.59. Removal of this caveat is prohibited.
        </ism:NoticeText>
        </ism:Notice>
    </ism:NoticeList>
</arh:Security>
</edh:Edh>
</tdf:HandlingStatement>
</tdf:HandlingAssertion>
<tdf:HandlingAssertion tdf:scope="PAYL">
    <tdf:HandlingStatement>
        <edh:ExternalEdh xmlns:edh="urn:us:gov:ic:edh"
            xmlns:arh="urn:us:gov:ic:arh"
            xmlns:ntk="urn:us:gov:ic:ntk"
            arh:DESVersion="1"
            edh:DESVersion="1"
            ism:DESVersion="9"
            ntk:DESVersion="7"><!-- All identifiers must be GUIDE identifiers. Replace this stub with a valid GUIDE -->
    <edh:Identifier>GUIDE://0000/0001</edh:Identifier>
        <edh:DataItemCreateDateTime>2010-11-10T16:00:00Z</edh:DataItemCreateDateTime>
        <edh:ResponsibleEntity edh:role="Custodian">
            <edh:Country>USA</edh:Country>
            <edh:Organization>DEA</edh:Organization>
        </edh:ResponsibleEntity>
        <arh:ExternalSecurity arh:DESVersion="1"
            ism:classification="U"
            ism:excludeFromRollup="true"
            ism:ownerProducer="USA">

```

```
<ntk:ExternalAccess ntk:externalReference="true"
  ism:classification="U"
  ism:ownerProducer="USA">
  <AccessProfileList xmlns="urn:us:gov:ic:ntk">
    <AccessProfile xmlns:ICISM="urn:us:gov:ic:ism"
      ICISM:classification="U"
      ICISM:ownerProducer="USA">
      <ntk:AccessSystemName>DIAS</ntk:AccessSystemName>
      <ntk:AccessGroupValue>WISE/RODCA</ntk:AccessGroupValue>
    </AccessProfile>
  </AccessProfileList>
</ntk:ExternalAccess>
<ism:NoticeExternalList ism:classification="U" ism:ownerProducer="USA">
  <ism:NoticeExternal ism:externalNotice="true"
    ism:noticeType="DS"
    ism:classification="U"
    ism:ownerProducer="USA">
    <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">
Distribution authorized to DoD, IAW 10 U.S.C. §§130 & 455. Release authorized to U.S.
DoD contractors IAW 48 C.F.R §252.245-7000. Refer other requests to: Headquarters,
NGA, ATTN: Release Officer, Mail Stop D-120, 4600 Sangamore Road, Bethesda, MD
20816-5003. Destroy IAW DoD 5030.59. Removal of this caveat is prohibited.
</ism:NoticeText>
    </ism:NoticeExternal>
  </ism:NoticeExternalList>
</arh:ExternalSecurity>
</edh:ExternalEdh>
</tdf:HandlingStatement>
</tdf:HandlingAssertion>
<tdf:Assertion tdf:scope="PAYL" tdf:type="DISCOVERY">
  <tdf:StatementMetadata>
    <edh:Edh xmlns:edh="urn:us:gov:ic:edh"
      xmlns:arh="urn:us:gov:ic:arh"
      xmlns:ntk="urn:us:gov:ic:ntk"
      ism:ISMCATCESVersion="201709"
      edh:DESVersion="1"
      arh:DESVersion="1"
      ism:DESVersion="9"
      ntk:DESVersion="7"><!-- All identifiers must be GUIDE identifiers. Replace this stub with a valid GUIDE -->
<edh:Identifier>GUIDE://0000/0002</edh:Identifier>
    <edh:DataItemCreateDateTime>2011-08-10T23:59:59Z</edh:DataItemCreateDateTime>
    <edh:ResponsibleEntity edh:role="Custodian">
      <edh:Country>USA</edh:Country>
      <edh:Organization>DIA</edh:Organization>
    </edh:ResponsibleEntity>
    <arh:Security ism:compliesWith="USGov USIC"
      ism:resourceElement="true "
      ism:classification="U"
      ism:DESVersion="9"
      ism:createDate="2011-08-11"
      ism:ownerProducer="USA">
      <ism:NoticeList ism:classification="U" ism:ownerProducer="USA">
        <ism:Notice ism:classification="U" ism:ownerProducer="USA" ism:noticeType="DS">
          <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">
```

Distribution authorized to DoD, IAW 10 U.S.C. §§130 & 455. Release authorized to U.S. DoD contractors IAW 48 C.F.R §252.245-7000. Refer other requests to: Headquarters, NGA, ATTN: Release Officer, Mail Stop D-120, 4600 Sangamore Road, Bethesda, MD 20816-5003. Destroy IAW DoD 5030.59. Removal of this caveat is prohibited.

```
</ism:NoticeText>
    </ism:Notice>
    <ism:Notice ism:classification="U"
        ism:ownerProducer="USA"
        ism:unregisteredNoticeType="Mike1">
        <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">
NAMES NOT FURTHER IDENTIFIED UNLESS OTHERWISE INDICATED
```

```
</ism:NoticeText>
    </ism:Notice>
    <ism:Notice ism:classification="U"
        ism:ownerProducer="USA"
        ism:unregisteredNoticeType="Martian">
        <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">
WARNING: THIS REPORT IS THE SOLE PROPERTY OF THE MARTIAN GOVERNMENT. IT HAS
BEEN PROVIDED ON THE CONDITION THAT ITS FOR THE USE OF THE INTELLIGENCE
COMMUNITY OF THE RECIEVEING GOVERNMENT AND THAT IT NOT BE RECLASSIFIED,
DOWNGRADED, OR RELEASED WITHOUT THE EXPRESS APPROVAL OF THE MARTIAN GOVERNMENT
```

```
</ism:NoticeText>
    </ism:Notice>
    <ism:Notice ism:classification="U"
        ism:ownerProducer="USA"
        ism:unregisteredNoticeType="Bob1">
        <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">
I like rabbits that may have impacted my analysis
of any furriers that may or may not be in this report.</ism:NoticeText>
        </ism:Notice>
        <ism:Notice ism:classification="U" ism:ownerProducer="USA" ism:noticeType="POC">
        <ism:NoticeText ism:classification="U"
            ism:ownerProducer="USA"
            ism:pocType="ICD-710 DoD-Dist-C">
```

```
John Smith, AgencyX, jsmith@agencyx.gov
</ism:NoticeText>
    </ism:Notice>
    <ism:Notice ism:classification="U" ism:ownerProducer="USA" ism:noticeType="FRD">
        <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">
Unauthorized disclosure subject to administrative and criminal sanctions.
Handle as RESTRICTED DATA in foreign dissemination;
```

```
</ism:NoticeText>
    <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">
        Section 144b, Atomic Energy Act of 1954.
```

```
</ism:NoticeText>
    </ism:Notice>
    <ism:Notice ism:noticeType="DS" ism:classification="U" ism:ownerProducer="USA">
        <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">
```

Distribution authorized to DoD, IAW 10 U.S.C. §§130 & 455. Release authorized to U.S. DoD contractors IAW 48 C.F.R §252.245-7000. Refer other requests to: Headquarters, NGA, ATTN: Release Officer, Mail Stop D-120, 4600 Sangamore Road, Bethesda, MD 20816-5003. Destroy IAW DoD 5030.59. Removal of this caveat is prohibited.

```
</ism:NoticeText>
                                </ism:Notice>
```

```

        </ism:NoticeList>
    </arh:Security>
</edh:Edh>
</tdf:StatementMetadata>
<tdf:StructuredStatement>
    <ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:5"
        xmlns:ntk="urn:us:gov:ic:ntk"
        ism:DESVersion="9"
        ntk:DESVersion="7">
        <ddms:metacardInfo>
            <ddms:identifier ddms:qualifier="IC-ID" ddms:value="MetaCard1"/>
            <ddms:dates ddms:created="2011-08-11" ddms:receivedOn="2011-08-12"/>
            <ddms:publisher ism:classification="U" ism:ownerProducer="USA">
                <ddms:organization ddms:acronym="ARMY">
                    <ddms:name>ARMY</ddms:name>
                    <ddms:subOrganization ism:classification="U" ism:ownerProducer="USA">NGIC</ddms:subOrganization>
                </ddms:organization>
            </ddms:publisher>
            <ddms:publisher>
                <ddms:organization>
                    <ddms:name>Fred</ddms:name>
                </ddms:organization>
            </ddms:publisher>
            <ddms:creator>
                <ddms:organization>
                    <ddms:name>DIA</ddms:name>
                </ddms:organization>
            </ddms:creator>
            <ddms:pointOfContact ism:ownerProducer="USA" ism:classification="U" ism:pocType="ORCON">
                <ddms:person>
                    <ddms:name>Bob</ddms:name>
                    <ddms:surname>Stuart</ddms:surname>
                    <ddms:phone>555-555-5555</ddms:phone>
                </ddms:person>
            </ddms:pointOfContact>
        </ddms:metacardInfo>
        <ddms:identifier ddms:qualifier="IC-ID" ddms:value="DescribedItem1"/>
        <ddms:title ism:classification="U" ism:ownerProducer="USA">A cool document you can't read</ddms:title>
        <ddms:description ism:classification="U"
            ism:ownerProducer="USA"
            ism:nonICmarkings="DS">This is a nice doc</ddms:description>
        <ddms:language ddms:qualifier="urn:us:gov:ic:cenum:irm:iso639-2:trigraph:v1"
            ddms:value="eng"/>
        <ddms:dates ddms:created="2010-11-10T12:00:00.0-04:00" ddms:approvedOn="2010-01-20"/>
        <ddms:type ddms:qualifier="urn:us:gov:ic:productLine" ddms:value="Report"/>
        <ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline"
            ddms:value="SIGINT"
            ism:classification="U"
            ism:ownerProducer="USA"/>
        <ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline:intelSubDiscipline"
            ddms:value="GEO"
            ism:classification="U"
            ism:ownerProducer="USA"/>
        <ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline:intelSubDiscipline:intelSubdisciplineTechnique"

```

```

        ddms:value="CBRNE"
        ism:classification="U"
        ism:ownerProducer="USA" />
<ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline:intelSubDiscipline:intelSubdisciplineTechnique"
        ddms:value="Environmental"
        ism:classification="U"
        ism:ownerProducer="USA" />
<ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline:intelSubDiscipline"
        ddms:value="Nuclear"
        ism:classification="U"
        ism:ownerProducer="USA" />
<ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline:intelSubDiscipline:other"
        ddms:value="someSecretDiscipline"
        ism:classification="S"
        ism:ownerProducer="USA"
        ism:disseminationControls="NF"
        ism:atomicEnergyMarkings="FRD" />
<ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline:intelSubDiscipline:intelSubdisciplineTechnique:other"
        ddms:value="specialSecretSub"
        ism:classification="S"
        ism:ownerProducer="USA"
        ism:disseminationControls="RELIDO" />
<ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline"
        ddms:value="MASINT"
        ism:classification="U"
        ism:ownerProducer="USA" />
<ddms:type ddms:qualifier="urn:us:gov:ic:activity"
        ddms:value="crisis"
        ism:classification="U"
        ism:ownerProducer="USA">A critical crisis activity</ddms:type>
<ddms:publisher>
  <ddms:organization ddms:acronym="DEA">
    <ddms:name>DEA</ddms:name>
  </ddms:organization>
</ddms:publisher>
<ddms:publisher>
  <ddms:organization>
    <ddms:name>asdfasdf</ddms:name>
  </ddms:organization>
</ddms:publisher>
<ddms:publisher>
  <ddms:person>
    <ddms:name>Bill</ddms:name>
    <ddms:surname>Smith</ddms:surname>
  </ddms:person>
</ddms:publisher>
<ddms:contributor>
  <ddms:organization>
    <ddms:name>No Such Agency</ddms:name>
  </ddms:organization>
</ddms:contributor>
<ddms:creator>
  <ddms:person>
    <ddms:name>Fred</ddms:name>
```

```
<ddms:surname>Smith</ddms:surname>
</ddms:person>
</ddms:creator>
<ddms:format>
  <ddms:mimeType>application/dni-irm+xml</ddms:mimeType>
</ddms:format>
<ddms:subjectCoverage>
  <ddms:category ddms:label="label 0"/>
  <ddms:keyword ddms:value="value 3"/>
  <ddms:keyword ddms:value="value 4"/>
  <productionMetric xmlns="urn:us:mil:ces:metadata:ddms:5"
    ism:classification="U"
    ism:ownerProducer="USA"
    ddms:subject="FOOD"
    ddms:coverage="AFG"/>
</ddms:subjectCoverage>
<ddms:virtualCoverage ddms:address="http://www.apple.com" ddms:protocol="HTTP"/>
<ddms:temporalCoverage>
  <ddms:start>Unknown</ddms:start>
  <ddms:end>2010-02-16</ddms:end>
</ddms:temporalCoverage>
<ddms:geospatialCoverage>
  <ddms:geographicIdentifier>
    <ddms:name>Bob House</ddms:name>
    <ddms:countryCode ddms:qualifier="other"
      ddms:otherQualifier="urn:us:gov:ic:cenum:irm:coverage:iso3166:trigraph:v1"
      ddms:value="CAN"/>
    <ddms:countryCode ddms:qualifier="other"
      ddms:otherQualifier="urn:us:gov:ic:cenum:irm:coverage:iso3166:trigraph:v1"
      ddms:value="AUS"/>
  </ddms:geographicIdentifier>
</ddms:geospatialCoverage>
<ddms:relatedResource ddms:relationship="ads" ddms:qualifier="asdf" ddms:value="asdf">
  <ddms:link xlink:href="asdf"
    xlink:type="locator"
    xlink:title="asdf"
    xlink:label="asdf"
    xlink:role="asdf"/>
</ddms:relatedResource>
<ddms:resourceManagement>
  <ddms:revisionRecall ddms:revisionID="7"
    ism:classification="U"
    ddms:revisionType="ADMINISTRATIVE RECALL"
    ism:ownerProducer="USA">
    <ddms:link xlink:href="asdfasdf"
      ism:classification="U"
      xlink:type="locator"
      ism:ownerProducer="USA"/>
    <ddms:details ism:classification="U" ism:ownerProducer="USA">asdfasdf</ddms:details>
    <ddms:details ism:classification="U" ism:ownerProducer="USA">asdfadsf</ddms:details>
  </ddms:revisionRecall>
</ddms:resourceManagement>
</ddms:resource>
</tdf:StructuredStatement>
```

```
        </tdf:Assertion>
        <tdf:ReferenceValuePayload tdf:uri=""/>
    </TrustedDataObject>
```

2.8 - DDMS-v5_0_IRM_Instance1-Corrected.xml

```
<TrustedDataObject xmlns="urn:us:gov:ic:tdf"
    xmlns:tdf="urn:us:gov:ic:tdf"
    tdf:version="testversion">
  <tdf:HandlingAssertion tdf:scope="TDO">
    <tdf:HandlingStatement>
      <edh:Edh xmlns:edh="urn:us:gov:ic:edh"
        xmlns:arh="urn:us:gov:ic:arh"
        xmlns:ntk="urn:us:gov:ic:ntk"
        ism:ISMATCESVersion="201709"
        edh:DESVersion="1"
        arh:DESVersion="1"
        ism:DESVersion="9"
        ntk:DESVersion="7"><!--All identifiers must be GUIDE identifiers.  Replace this stub with a valid GUIDE-->
      <edh:Identifier>GUIDE://0000/0003</edh:Identifier>
      <edh:DataItemCreateDateTime>2011-08-10T23:59:59Z</edh:DataItemCreateDateTime>
      <edh:ResponsibleEntity edh:role="Custodian">
        <edh:Country>USA</edh:Country>
        <edh:Organization>NSA</edh:Organization>
      </edh:ResponsibleEntity>
      <arh:Security ism:compliesWith="USGov USIC"
        ism:declassException="AEA"
        ism:nonICmarkings="DS"
        ism:resourceElement="true "
        ism:classification="S"
        ism:disseminationControls="NF"
        ism:atomicEnergyMarkings="FRD"
        ism:DESVersion="9"
        ism:createDate="2011-08-11"
        ism:ownerProducer="USA"
        ism:derivedFrom="XXX"
        ism:derivativelyClassifiedBy="GSH">
        <ism:NoticeList ism:classification="U" ism:ownerProducer="USA">
          <ism:Notice ism:classification="U" ism:ownerProducer="USA" ism:noticeType="DS">
            <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">Distribution authorized to DoD, IAW 10 U.S.C. §§130 & 455. Release authorized to U.S. DoD
            contractors
            IAW 48 C.F.R §252.245-7000. Refer other requests to: Headquarters, NGA, ATTN: Release Officer, Mail Stop
            D-120, 4600 Sangamore Road, Bethesda, MD 20816-5003. Destroy IAW DoD 5030.59. Removal of this caveat
            is prohibited.</ism:NoticeText>
          </ism:Notice>
          <ism:Notice ism:classification="U"
            ism:ownerProducer="USA"
            ism:unregisteredNoticeType="Mike1">
            <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">NAMES NOT FURTHER IDENTIFIED UNLESS OTHERWISE INDICATED</ism:NoticeText>
          </ism:Notice>
          <ism:Notice ism:classification="U"
            ism:ownerProducer="USA"
            ism:unregisteredNoticeType="Martian">
            <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">WARNING: THIS REPORT IS THE SOLE PROPERTY OF THE MARTIAN GOVERNMENT.  IT HAS
            BEEN PROVIDED ON THE CONDITION THAT ITS FOR THE USE OF THE INTELLIGENCE
            COMMUNITY OF THE RECIEVEING GOVERNMENT AND THAT IT NOT BE RECLASSIFIED,
            DOWNGRADED, OR RELEASED WITHOUT THE EXPRESS APPROVAL OF THE MARTIAN GOVERNMENT</ism:NoticeText>
          </ism:Notice>
        </ism:NoticeList>
      </arh:Security>
    </tdf:HandlingStatement>
  </tdf:HandlingAssertion>
</TrustedDataObject>
```

```

    <ism:Notice ism:classification="U"
      ism:ownerProducer="USA"
      ism:unregisteredNoticeType="Bob1">
      <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">I like rabbits that may have impacted my analysis
of any furriers that may or may not be in this report.</ism:NoticeText>
    </ism:Notice>
    <ism:Notice ism:classification="U" ism:ownerProducer="USA" ism:noticeType="POC">
      <ism:NoticeText ism:classification="U"
        ism:ownerProducer="USA"
        ism:pocType="ICD-710 DoD-Dist-C">John Smith, AgencyX, jsmith@agencyx.gov</ism:NoticeText>
    </ism:Notice>
    <ism:Notice ism:classification="U" ism:ownerProducer="USA" ism:noticeType="FRD">
      <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">Unauthorized disclosure subject to administrative and criminal sanctions.
Handle as RESTRICTED DATA in foreign dissemination;</ism:NoticeText>
      <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">Section 144b, Atomic Energy Act of 1954.</ism:NoticeText>
    </ism:Notice>
    <ism:Notice ism:noticeType="DS"
      ism:nonICmarkings="DS"
      ism:classification="U"
      ism:ownerProducer="USA">
      <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">Distribution authorized to DoD, IAW 10 U.S.C. §§130 & 455. Release authorized to U.S.
DoD contractors IAW 48 C.F.R §252.245-7000. Refer other requests to: Headquarters,
NGA, ATTN: Release Officer, Mail Stop D-120, 4600 Sangamore Road, Bethesda, MD
20816-5003. Destroy IAW DoD 5030.59. Removal of this caveat is prohibited.</ism:NoticeText>
    </ism:Notice>
  </ism:NoticeList>
</arh:Security>
</edh:Edh>
</tdf:HandlingStatement>
</tdf:HandlingAssertion>
<tdf:HandlingAssertion tdf:scope="PAYL">
  <tdf:HandlingStatement>
    <edh:ExternalEdh xmlns:edh="urn:us:gov:ic:edh"
      xmlns:arh="urn:us:gov:ic:arh"
      xmlns:ntk="urn:us:gov:ic:ntk"
      arh:DESVersion="1"
      edh:DESVersion="1"
      ism:DESVersion="9"
      ntk:DESVersion="7"><!--All identifiers must be GUIDE identifiers. Replace this stub with a valid GUIDE-->
<edh:Identifier>GUIDE://0000/0001</edh:Identifier>
    <edh:DataItemCreateDateTime>2010-11-10T16:00:00Z</edh:DataItemCreateDateTime>
    <edh:ResponsibleEntity edh:role="Custodian">
      <edh:Country>USA</edh:Country>
      <edh:Organization>DEA</edh:Organization>
    </edh:ResponsibleEntity>
    <arh:ExternalSecurity arh:DESVersion="1"
      ism:classification="U"
      ism:excludeFromRollup="true"
      ism:ownerProducer="USA">
      <ntk:ExternalAccess ntk:externalReference="true"
        ism:classification="U"
        ism:ownerProducer="USA">
      <AccessProfileList xmlns="urn:us:gov:ic:ntk">
        <AccessProfile xmlns:ICISM="urn:us:gov:ic:ism"

```

```

        ICISM:classification="U"
        ICISM:ownerProducer="USA">
    <ntk:AccessSystemName>DIAS</ntk:AccessSystemName>
    <ntk:AccessGroupValue>WISE/RODCA</ntk:AccessGroupValue>
  </AccessProfile>
</AccessProfileList>
</ntk:ExternalAccess>
<ism:NoticeExternalList ism:classification="U" ism:ownerProducer="USA">
  <ism:NoticeExternal ism:externalNotice="true"
    ism:noticeType="DS"
    ism:nonICmarkings="DS"
    ism:classification="U"
    ism:ownerProducer="USA">
    <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">Distribution authorized to DoD, IAW 10 U.S.C. §§130 & 455. Release authorized to U.S.
DoD contractors IAW 48 C.F.R §252.245-7000. Refer other requests to: Headquarters,
NGA, ATTN: Release Officer, Mail Stop D-120, 4600 Sangamore Road, Bethesda, MD
20816-5003. Destroy IAW DoD 5030.59. Removal of this caveat is prohibited.</ism:NoticeText>
    </ism:NoticeExternal>
  </ism:NoticeExternalList>
</arh:ExternalSecurity>
</edh:ExternalEdh>
</tdf:HandlingStatement>
</tdf:HandlingAssertion>
<tdf:Assertion tdf:scope="PAYL" tdf:type="DISCOVERY">
  <tdf:StatementMetadata>
    <edh:Edh xmlns:edh="urn:us:gov:ic:edh"
      xmlns:arh="urn:us:gov:ic:arh"
      xmlns:ntk="urn:us:gov:ic:ntk"
      ism:ISMCATCESVersion="201709"
      edh:DESVersion="1"
      arh:DESVersion="1"
      ism:DESVersion="9"
      ntk:DESVersion="7"><!--All identifiers must be GUIDE identifiers.  Replace this stub with a valid GUIDE-->
    <edh:Identifier>GUIDE://0000/0002</edh:Identifier>
    <edh:DataItemCreateDateTime>2011-08-10T23:59:59Z</edh:DataItemCreateDateTime>
    <edh:ResponsibleEntity edh:role="Custodian">
      <edh:Country>USA</edh:Country>
      <edh:Organization>DIA</edh:Organization>
    </edh:ResponsibleEntity>
    <arh:Security ism:compliesWith="USGov USIC"
      ism:nonICmarkings="DS"
      ism:resourceElement="true "
      ism:classification="S"
      ism:disseminationControls="NF"
      ism:atomicEnergyMarkings="FRD"
      ism:DESVersion="9"
      ism:createDate="2011-08-11"
      ism:ownerProducer="USA">
    <ism:NoticeList ism:classification="U" ism:ownerProducer="USA">
      <ism:Notice ism:classification="U" ism:ownerProducer="USA" ism:noticeType="DS">
        <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">Distribution authorized to DoD, IAW 10 U.S.C. §§130 & 455. Release authorized to U.S. DoD
contractors
IAW 48 C.F.R §252.245-7000. Refer other requests to: Headquarters, NGA, ATTN: Release Officer, Mail Stop
D-120, 4600 Sangamore Road, Bethesda, MD 20816-5003. Destroy IAW DoD 5030.59. Removal of this caveat
```

```
is prohibited.</ism:NoticeText>
</ism:Notice>
<ism:Notice ism:classification="U"
            ism:ownerProducer="USA"
            ism:unregisteredNoticeType="Mike1">
    <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">NAMES NOT FURTHER IDENTIFIED UNLESS OTHERWISE INDICATED</ism:NoticeText>
</ism:Notice>
<ism:Notice ism:classification="U"
            ism:ownerProducer="USA"
            ism:unregisteredNoticeType="Martian">
    <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">WARNING: THIS REPORT IS THE SOLE PROPERTY OF THE MARTIAN GOVERNMENT. IT HAS
BEEN PROVIDED ON THE CONDITION THAT ITS FOR THE USE OF THE INTELLIGENCE
COMMUNITY OF THE RECIEVEING GOVERNMENT AND THAT IT NOT BE RECLASSIFIED,
DOWNGRADED, OR RELEASED WITHOUT THE EXPRESS APPROVAL OF THE MARTIAN GOVERNMENT</ism:NoticeText>
</ism:Notice>
<ism:Notice ism:classification="U"
            ism:ownerProducer="USA"
            ism:unregisteredNoticeType="Bob1">
    <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">I like rabbits that may have impacted my analysis
of any furriers that may or may not be in this report.</ism:NoticeText>
</ism:Notice>
<ism:Notice ism:classification="U" ism:ownerProducer="USA" ism:noticeType="POC">
    <ism:NoticeText ism:classification="U"
                    ism:ownerProducer="USA"
                    ism:pocType="ICD-710 DoD-Dist-C">John Smith, AgencyX, jsmith@agencyx.gov</ism:NoticeText>
</ism:Notice>
<ism:Notice ism:classification="U" ism:ownerProducer="USA" ism:noticeType="FRD">
    <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">Unauthorized disclosure subject to administrative and criminal sanctions.
Handle as RESTRICTED DATA in foreign dissemination;</ism:NoticeText>
    <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">Section 144b, Atomic Energy Act of 1954.</ism:NoticeText>
</ism:Notice>
<ism:Notice ism:noticeType="DS"
            ism:nonICmarkings="DS"
            ism:classification="U"
            ism:ownerProducer="USA">
    <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">Distribution authorized to DoD, IAW 10 U.S.C. §§130 & 455. Release authorized to U.S.
DoD contractors IAW 48 C.F.R §252.245-7000. Refer other requests to: Headquarters,
NGA, ATTN: Release Officer, Mail Stop D-120, 4600 Sangamore Road, Bethesda, MD
20816-5003. Destroy IAW DoD 5030.59. Removal of this caveat is prohibited.</ism:NoticeText>
</ism:Notice>
</ism:NoticeList>
</arh:Security>
</edh:Edh>
</tdf:StatementMetadata>
<tdf:StructuredStatement>
    <ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:5"
                  xmlns:ntk="urn:us:gov:ic:ntk"
                  ism:DESVersion="9"
                  ntk:DESVersion="7">
        <ddms:metacardInfo>
            <ddms:identifier ddms:qualifier="IC-ID" ddms:value="MetaCard1"/>
            <ddms:dates ddms:created="2011-08-11" ddms:receivedOn="2011-08-12"/>
            <ddms:publisher ism:classification="U" ism:ownerProducer="USA">
                <ddms:organization ddms:acronym="ARMY">
```

```

        <ddms:name>ARMY</ddms:name>
        <ddms:subOrganization ism:classification="U" ism:ownerProducer="USA">NGIC</ddms:subOrganization>
    </ddms:organization>
</ddms:publisher>
<ddms:publisher>
    <ddms:organization>
        <ddms:name>Fred</ddms:name>
    </ddms:organization>
</ddms:publisher>
<ddms:creator>
    <ddms:organization>
        <ddms:name>DIA</ddms:name>
    </ddms:organization>
</ddms:creator>
<ddms:pointOfContact ism:ownerProducer="USA" ism:classification="U" ism:pocType="ORCON">
    <ddms:person>
        <ddms:name>Bob</ddms:name>
        <ddms:surname>Stuart</ddms:surname>
        <ddms:phone>555-555-5555</ddms:phone>
    </ddms:person>
</ddms:pointOfContact>
</ddms:metacardInfo>
<ddms:identifier ddms:qualifier="IC-ID" ddms:value="DescribedItem1"/>
<ddms:title ism:classification="U" ism:ownerProducer="USA">A cool document you can't read</ddms:title>
<ddms:description ism:classification="U"
    ism:ownerProducer="USA"
    ism:nonICmarkings="DS">This is a nice doc</ddms:description>
<ddms:language ddms:qualifier="urn:us:gov:ic:cvenum:irm:iso639-2:trigraph:v1"
    ddms:value="eng"/>
<ddms:dates ddms:created="2010-11-10T12:00:00.0-04:00" ddms:approvedOn="2010-01-20"/>
<ddms:type ddms:qualifier="urn:us:gov:ic:productLine" ddms:value="Report"/>
<ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline"
    ddms:value="SIGINT"
    ism:classification="U"
    ism:ownerProducer="USA"/>
<ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline:intelSubDiscipline"
    ddms:value="GEO"
    ism:classification="U"
    ism:ownerProducer="USA"/>
<ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline:intelSubDiscipline:intelSubdisciplineTechnique"
    ddms:value="CBRNE"
    ism:classification="U"
    ism:ownerProducer="USA"/>
<ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline:intelSubDiscipline:intelSubdisciplineTechnique"
    ddms:value="Environmental"
    ism:classification="U"
    ism:ownerProducer="USA"/>
<ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline:intelSubDiscipline"
    ddms:value="Nuclear"
    ism:classification="U"
    ism:ownerProducer="USA"/>
<ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline:intelSubDiscipline:other"
    ddms:value="someSecretDiscipline"
    ism:classification="S"
```

```

        ism:ownerProducer="USA"
        ism:disseminationControls="NF"
        ism:atomicEnergyMarkings="FRD"/>
<ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline:intelSubDiscipline:intelSubdisciplineTechnique:other"
        ddms:value="specialSecretSub"
        ism:classification="S"
        ism:ownerProducer="USA"
        ism:disseminationControls="RELIDO"/>
<ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline"
        ddms:value="MASINT"
        ism:classification="U"
        ism:ownerProducer="USA"/>
<ddms:type ddms:qualifier="urn:us:gov:ic:activity"
        ddms:value="crisis"
        ism:classification="U"
        ism:ownerProducer="USA">A critical crisis activity</ddms:type>
<ddms:publisher>
  <ddms:organization ddms:acronym="DEA">
    <ddms:name>DEA</ddms:name>
  </ddms:organization>
</ddms:publisher>
<ddms:publisher>
  <ddms:organization>
    <ddms:name>asdfasdf</ddms:name>
  </ddms:organization>
</ddms:publisher>
<ddms:publisher>
  <ddms:person>
    <ddms:name>Bill</ddms:name>
    <ddms:surname>Smith</ddms:surname>
  </ddms:person>
</ddms:publisher>
<ddms:contributor>
  <ddms:organization>
    <ddms:name>No Such Agency</ddms:name>
  </ddms:organization>
</ddms:contributor>
<ddms:creator>
  <ddms:person>
    <ddms:name>Fred</ddms:name>
    <ddms:surname>Smith</ddms:surname>
  </ddms:person>
</ddms:creator>
<ddms:format>
  <ddms:mimeType>application/dni-irm+xml</ddms:mimeType>
</ddms:format>
<ddms:subjectCoverage>
  <ddms:category ddms:label="label 0"/>
  <ddms:keyword ddms:value="value 3"/>
  <ddms:keyword ddms:value="value 4"/>
  <productionMetric xmlns="urn:us:mil:ces:metadata:ddms:5"
    ism:classification="U"
    ism:ownerProducer="USA"
    ddms:subject="FOOD"
```

```

                ddms:coverage="AFG"/>
</ddms:subjectCoverage>
<ddms:virtualCoverage ddms:address="http://www.apple.com" ddms:protocol="HTTP"/>
<ddms:temporalCoverage>
  <ddms:start>Unknown</ddms:start>
  <ddms:end>2010-02-16</ddms:end>
</ddms:temporalCoverage>
<ddms:geospatialCoverage>
  <ddms:geographicIdentifier>
    <ddms:name>Bob House</ddms:name>
    <ddms:countryCode ddms:qualifier="other"
      ddms:otherQualifier="urn:us:gov:ic:cenum:irm:coverage:iso3166:trigraph:v1"
      ddms:value="CAN"/>
    <ddms:countryCode ddms:qualifier="other"
      ddms:otherQualifier="urn:us:gov:ic:cenum:irm:coverage:iso3166:trigraph:v1"
      ddms:value="AUS"/>
  </ddms:geographicIdentifier>
</ddms:geospatialCoverage>
<ddms:relatedResource ddms:relationship="ads" ddms:qualifier="asdf" ddms:value="asdf">
  <ddms:link xlink:href="asdf"
    xlink:type="locator"
    xlink:title="asdf"
    xlink:label="asdf"
    xlink:role="asdf"/>
</ddms:relatedResource>
<ddms:resourceManagement>
  <ddms:revisionRecall ddms:revisionID="7"
    ism:classification="U"
    ddms:revisionType="ADMINISTRATIVE RECALL"
    ism:ownerProducer="USA">
    <ddms:link xlink:href="asdfasdf"
      ism:classification="U"
      xlink:type="locator"
      ism:ownerProducer="USA"/>
    <ddms:details ism:classification="U" ism:ownerProducer="USA">asdfasdf</ddms:details>
    <ddms:details ism:classification="U" ism:ownerProducer="USA">asdfadsf</ddms:details>
  </ddms:revisionRecall>
</ddms:resourceManagement>
</ddms:resource>
</tdf:StructuredStatement>
</tdf:Assertion>
<tdf:ReferenceValuePayload tdf:uri=""/>
</TrustedDataObject>

```

2.9 - DDMS-v5_0_IRM_Instance2.xml

```
<TrustedDataObject xmlns="urn:us:gov:ic:tdf"
    xmlns:tdf="urn:us:gov:ic:tdf"
    tdf:version="testversion">
  <tdf:HandlingAssertion tdf:scope="TDO">
    <tdf:HandlingStatement>
      <edh:Edh xmlns:edh="urn:us:gov:ic:edh"
        xmlns:arh="urn:us:gov:ic:arh"
        xmlns:ntk="urn:us:gov:ic:ntk"
        ism:ISMATCESVersion="201709"
        edh:DESVersion="1"
        arh:DESVersion="1"
        ism:DESVersion="9"
        ntk:DESVersion="7"><!--All identifiers must be GUIDE identifiers.  Replace this stub with a valid GUIDE-->
      <edh:Identifier>GUIDE://0000/0003</edh:Identifier>
      <edh:DataItemCreateDateTime>2011-08-18T23:59:59Z</edh:DataItemCreateDateTime>
      <edh:ResponsibleEntity edh:role="Custodian">
        <edh:Country>USA</edh:Country>
        <edh:Organization>NSA</edh:Organization>
      </edh:ResponsibleEntity>
      <arh:Security ism:compliesWith="USGov USIC"
        ism:declassException="AEA"
        ism:resourceElement="true "
        ism:classification="S"
        ism:DESVersion="9"
        ism:createDate="2011-08-19"
        ism:ownerProducer="USA"
        ism:atomicEnergyMarkings="FRD"
        ism:disseminationControls="OC"
        ism:derivedFrom="XXX"
        ism:derivativelyClassifiedBy="GSH">
        <ism:NoticeList ism:classification="U" ism:ownerProducer="USA">
          <ism:Notice ism:noticeType="POC" ism:classification="U" ism:ownerProducer="USA">
            <ism:NoticeText ism:classification="U" ism:ownerProducer="USA" ism:pocType="ORCON">All inquiries concerning the handling of
originator controlled data in this document should be directed to James E. Smith, AgencyZ,
800-555-3719, james.e.smith@agencyz.gov.</ism:NoticeText>
          </ism:Notice>
          <ism:Notice ism:noticeType="FRD" ism:classification="U" ism:ownerProducer="USA">
            <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">This document contains FRD data.</ism:NoticeText>
          </ism:Notice>
        </ism:NoticeList>
      </arh:Security>
    </edh:Edh>
  </tdf:HandlingStatement>
</tdf:HandlingAssertion>
<tdf:HandlingAssertion tdf:scope="PAYL">
  <tdf:HandlingStatement>
    <edh:ExternalEdh xmlns:edh="urn:us:gov:ic:edh"
      xmlns:arh="urn:us:gov:ic:arh"
      xmlns:ntk="urn:us:gov:ic:ntk"
      arh:DESVersion="1"
      edh:DESVersion="1"
      ism:DESVersion="9">
```

```

        ntk:DESVersion="7"><!--All identifiers must be GUIDE identifiers.  Replace this stub with a valid GUIDE-->
<edh:Identifier>GUIDE://0000/0001</edh:Identifier>
  <edh:DataItemCreateDateTime>1901-01-01T00:00:00Z</edh:DataItemCreateDateTime>
  <edh:ResponsibleEntity edh:role="Custodian">
    <edh:Country>USA</edh:Country>
    <edh:Organization>CIA</edh:Organization>
  </edh:ResponsibleEntity>
  <arh:ExternalSecurity arh:DESVersion="1"
    ism:classification="U"
    ism:excludeFromRollup="true"
    ism:ownerProducer="USA">
    <ntk:ExternalAccess ntk:externalReference="true"
      ism:classification="U"
      ism:ownerProducer="USA">
      <AccessProfileList xmlns="urn:us:gov:ic:ntk">
        <AccessProfile xmlns:ICISM="urn:us:gov:ic:ism"
          ICISM:classification="S"
          ICISM:ownerProducer="USA">
          <ntk:AccessSystemName>JWICS</ntk:AccessSystemName>
        </AccessProfile>
      </AccessProfileList>
    </ntk:ExternalAccess>
    <ism:NoticeExternalList ism:classification="U" ism:ownerProducer="USA">
      <ism:NoticeExternal ism:externalNotice="true"
        ism:noticeType="FRD"
        ism:classification="U"
        ism:ownerProducer="USA">
        <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">This document contains FRD data.</ism:NoticeText>
      </ism:NoticeExternal>
    </ism:NoticeExternalList>
  </arh:ExternalSecurity>
</edh:ExternalEdh>
</tdf:HandlingStatement>
</tdf:HandlingAssertion>
<tdf:Assertion tdf:scope="PAYL" tdf:type="DISCOVERY">
  <tdf:StatementMetadata>
    <edh:Edh xmlns:edh="urn:us:gov:ic:edh"
      xmlns:arh="urn:us:gov:ic:arh"
      xmlns:ntk="urn:us:gov:ic:ntk"
      ism:ISMATCESVersion="201709"
      edh:DESVersion="1"
      arh:DESVersion="1"
      ism:DESVersion="9"
      ntk:DESVersion="7"><!--All identifiers must be GUIDE identifiers.  Replace this stub with a valid GUIDE-->
<edh:Identifier>GUIDE://0000/0002</edh:Identifier>
  <edh:DataItemCreateDateTime>2011-08-18T23:59:59Z</edh:DataItemCreateDateTime>
  <edh:ResponsibleEntity edh:role="Custodian">
    <edh:Country>USA</edh:Country>
    <edh:Organization>OtherUSG</edh:Organization>
  </edh:ResponsibleEntity>
  <arh:Security ism:compliesWith="USGov USIC"
    ism:resourceElement="true "
    ism:classification="S"
    ism:DESVersion="9"

```

```

        ism:createDate="2011-08-19"
        ism:ownerProducer="USA"
        ism:atomicEnergyMarkings="FRD"
        ism:disseminationControls="OC">
    <ism:NoticeList ism:classification="U" ism:ownerProducer="USA">
        <ism:Notice ism:noticeType="POC" ism:classification="U" ism:ownerProducer="USA">
            <ism:NoticeText ism:classification="U" ism:ownerProducer="USA" ism:pocType="ORCON">All inquiries concerning the handling of
originator controlled data in this document should be directed to James E. Smith, AgencyZ,
800-555-3719, james.e.smith@agencyz.gov.</ism:NoticeText>
        </ism:Notice>
        <ism:Notice ism:noticeType="FRD" ism:classification="U" ism:ownerProducer="USA">
            <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">This document contains FRD data.</ism:NoticeText>
        </ism:Notice>
    </ism:NoticeList>
</arh:Security>
</edh:Edh>
</tdf:StatementMetadata>
<tdf:StructuredStatement>
    <ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:5"
        xmlns:ntk="urn:us:gov:ic:ntk"
        ism:DESVersion="9"
        ntk:DESVersion="7">
    <ddms:metacardInfo>
        <ddms:identifier ddms:qualifier="IC-ID"
            ddms:value="urn:us:gov:ic:irm:test:metacard:instance2"/>
        <ddms:dates ddms:created="2011-08-19" ddms:validTil="2051-08-19"/>
        <ddms:publisher ism:classification="U" ism:ownerProducer="USA">
            <ddms:organization ddms:acronym="OtherUSG">
                <ddms:name>OtherUSG</ddms:name>
                <ddms:subOrganization ism:classification="U" ism:ownerProducer="USA">Agency Z</ddms:subOrganization>
            </ddms:organization>
        </ddms:publisher>
        <ddms:pointOfContact ism:pocType="ICD-710">
            <ddms:organization>
                <ddms:name>Agency Z</ddms:name>
                <ddms:phone>800-555-6573 ext.9935</ddms:phone>
            </ddms:organization>
        </ddms:pointOfContact>
        <ddms:processingInfo ism:classification="U"
            ddms:dateProcessed="2011-08-19"
            ism:ownerProducer="USA">XSLT Transformation to convert DDMS 2.0 to DDMS 3.1.</ddms:processingInfo>
        <ddms:recordsManagementInfo ddms:vitalRecordIndicator="true">
            <ddms:recordKeeper>
                <ddms:recordKeeperID>#289-99202.9</ddms:recordKeeperID>
                <ddms:organization>
                    <ddms:name>Agency Z</ddms:name>
                </ddms:organization>
            </ddms:recordKeeper>
            <ddms:applicationSoftware ism:classification="U" ism:ownerProducer="USA">IRM Generator 2L-9</ddms:applicationSoftware>
        </ddms:recordsManagementInfo>
    </ddms:metacardInfo>
    <ddms:identifier ddms:qualifier="IC-ID" ddms:value="urn:us:gov:ic:irm:test:instance2"/>
    <ddms:identifier ddms:qualifier="FullName" ddms:value="Asset HR-832js34"/>
    <ddms:title ism:classification="U" ism:ownerProducer="USA">Sample IRM Document - LEAD</ddms:title>

```

```
<ddms:language ddms:qualifier="urn:us:gov:ic:cvenum:irm:iso639-2:trigraph:v1"
  ddms:value="eng"/>
<ddms:dates ddms:receivedOn="2011-08-19"/>
<ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline"
  ddms:value="HUMINT"
  ism:classification="U"
  ism:ownerProducer="USA"/>
<ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline"
  ddms:value="MASINT"
  ism:classification="U"
  ism:ownerProducer="USA"/>
<ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline:intelSubDiscipline"
  ddms:value="GEO"
  ism:classification="U"
  ism:ownerProducer="USA"/>
<ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline:intelSubDiscipline:other"
  ddms:value="MyDiscipline"
  ism:classification="U"
  ism:ownerProducer="USA"/>
<ddms:type ddms:qualifier="urn:us:gov:ic:intelDiscipline:intelSubDiscipline:intelSubdisciplineTechnique:other"
  ddms:value="MySubTechnique"
  ism:classification="U"
  ism:ownerProducer="USA"/>
<ddms:type ddms:qualifier="urn:us:gov:ic:reportingLevel" ddms:value="2"/>
<ddms:publisher>
  <ddms:organization ddms:acronym="CIA">
    <ddms:name>CIA</ddms:name>
  </ddms:organization>
</ddms:publisher>
<ddms:creator>
  <ddms:person>
    <ddms:name>John</ddms:name>
    <ddms:surname>Doe</ddms:surname>
    <ddms:phone>202-555-1234</ddms:phone>
  </ddms:person>
</ddms:creator>
<ddms:subjectCoverage>
  <ddms:category ddms:label="leadership"/>
  <productionMetric xmlns="urn:us:mil:ces:metadata:ddms:5"
    ism:classification="C"
    ism:atomicEnergyMarkings="FRD"
    ism:ownerProducer="USA"
    ddms:subject="LEAD"
    ddms:coverage="LAO"/>
  <ddms:nonStateActor ddms:order="3">Laotian Monks</ddms:nonStateActor>
</ddms:subjectCoverage>
<ddms:geospatialCoverage ddms:order="1"
  ddms:precedence="Primary"
  ism:classification="U"
  ism:ownerProducer="USA">
  <ddms:geographicIdentifier>
    <ddms:countryCode ddms:qualifier="other"
      ddms:otherQualifier="urn:us:gov:ic:cvenum:irm:coverage:iso3166:trigraph:v1"
      ddms:value="LAO"/>
```

```
</ddms:geographicIdentifier>
</ddms:geospatialCoverage>
<ddms:geospatialCoverage ddms:order="4"
  ddms:precedence="Secondary"
  ism:classification="U"
  ism:ownerProducer="USA">
  <ddms:geographicIdentifier>
    <ddms:countryCode ddms:qualifier="other"
      ddms:otherQualifier="urn:us:gov:ic:cenum:irm:coverage:iso3166:trigraph:v1"
      ddms:value="GBR"/>
    </ddms:geographicIdentifier>
  </ddms:geospatialCoverage>
<ddms:geospatialCoverage ddms:order="2">
  <ddms:geographicIdentifier>
    <ddms:countryCode ddms:qualifier="other"
      ddms:otherQualifier="urn:us:gov:ic:cenum:irm:coverage:iso3166-2"
      ddms:value="LA-VT"/>
    </ddms:geographicIdentifier>
  </ddms:geospatialCoverage>
<ddms:resourceManagement>
  <ddms:taskingInfo ism:classification="U" ism:ownerProducer="USA">
    <ddms:requesterInfo ism:classification="U" ism:ownerProducer="USA">
      <ddms:organization>
        <ddms:name>NSA</ddms:name>
      </ddms:organization>
    </ddms:requesterInfo>
    <ddms:taskID>Task 2391032</ddms:taskID>
  </ddms:taskingInfo>
</ddms:resourceManagement>
</ddms:resource>
</tdf:StructuredStatement>
</tdf:Assertion>
<tdf:ReferenceValuePayload tdf:uri=""/>
</TrustedDataObject>
```

2.10 - DDMS-v5_0_IRM_RevRecall01.xml

```
<TrustedDataObject xmlns="urn:us:gov:ic:tdf"
    xmlns:tdf="urn:us:gov:ic:tdf"
    tdf:version="testversion">
  <tdf:HandlingAssertion tdf:scope="TDO">
    <tdf:HandlingStatement>
      <edh:Edh xmlns:edh="urn:us:gov:ic:edh"
        xmlns:arh="urn:us:gov:ic:arh"
        xmlns:ntk="urn:us:gov:ic:ntk"
        ism:ISMATCESVersion="201709"
        edh:DESVersion="1"
        arh:DESVersion="1"
        ism:DESVersion="9"
        ntk:DESVersion="7"><!--All identifiers must be GUIDE identifiers.  Replace this stub with a valid GUIDE-->
      <edh:Identifier>GUIDE://0000/0003</edh:Identifier>
      <edh:DataItemCreateDateTime>2006-05-03T23:59:59Z</edh:DataItemCreateDateTime>
      <edh:ResponsibleEntity edh:role="Custodian">
        <edh:Country>USA</edh:Country>
        <edh:Organization>NSA</edh:Organization>
      </edh:ResponsibleEntity>
      <arh:Security ism:compliesWith="USGov USIC"
        ism:resourceElement="true "
        ism:classification="U"
        ism:DESVersion="9"
        ism:createDate="2006-05-04"
        ism:ownerProducer="USA"/>
    </edh:Edh>
  </tdf:HandlingStatement>
</tdf:HandlingAssertion>
  <tdf:HandlingAssertion tdf:scope="PAYL">
    <tdf:HandlingStatement>
      <edh:ExternalEdh xmlns:edh="urn:us:gov:ic:edh"
        xmlns:arh="urn:us:gov:ic:arh"
        xmlns:ntk="urn:us:gov:ic:ntk"
        arh:DESVersion="1"
        edh:DESVersion="1"
        ism:DESVersion="9"
        ntk:DESVersion="7"><!--All identifiers must be GUIDE identifiers.  Replace this stub with a valid GUIDE-->
      <edh:Identifier>GUIDE://0000/0001</edh:Identifier>
      <edh:DataItemCreateDateTime>2009-11-10T16:00:00Z</edh:DataItemCreateDateTime>
      <edh:ResponsibleEntity edh:role="Custodian">
        <edh:Country>USA</edh:Country>
        <edh:Organization>DNI</edh:Organization>
      </edh:ResponsibleEntity>
      <arh:ExternalSecurity arh:DESVersion="1"
        ism:classification="U"
        ism:ownerProducer="USA"
        ism:excludeFromRollup="true"/>
    </edh:ExternalEdh>
  </tdf:HandlingStatement>
</tdf:HandlingAssertion>
  <tdf:Assertion tdf:scope="PAYL" tdf:type="DISCOVERY">
    <tdf:StatementMetadata>
```

```

    <edh:Edh xmlns:edh="urn:us:gov:ic:edh"
             xmlns:arh="urn:us:gov:ic:arh"
             xmlns:ntk="urn:us:gov:ic:ntk"
             ism:ISMCA TCESVersion="201709"
             edh:DESVersion="1"
             arh:DESVersion="1"
             ism:DESVersion="9"
             ntk:DESVersion="7"><!--All identifiers must be GUIDE identifiers.  Replace this stub with a valid GUIDE-->
    <edh:Identifier>GUIDE://0000/0002</edh:Identifier>
    <!--Error in original file regarding the dates.  Resource metacard date must not be later than Metacard security date, if present.  Resource security date has been
substituted here.-->
    <edh:DataItemCreateDateTime>2006-05-03T23:59:59Z</edh:DataItemCreateDateTime>
    <edh:ResponsibleEntity edh:role="Custodian">
    <edh:Country>USA</edh:Country>
    <edh:Organization>DNI</edh:Organization>
    </edh:ResponsibleEntity>
    <arh:Security ism:compliesWith="USGov USIC"
                 ism:resourceElement="true "
                 ism:classification="U"
                 ism:DESVersion="9"
                 ism:createDate="2006-05-04"
                 ism:ownerProducer="USA"/>
    </edh:Edh>
</tdf:StatementMetadata>
<tdf:StructuredStatement>
    <ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:5"
                  xmlns:ntk="urn:us:gov:ic:ntk"
                  ism:DESVersion="9"
                  ntk:DESVersion="7">
    <ddms:metacardInfo>
    <ddms:identifier ddms:qualifier="IC-ID" ddms:value="DNI-Card-1"/>
    <ddms:dates ddms:created="2010-05-25"/>
    <ddms:publisher>
    <ddms:organization ddms:acronym="DNI">
    <ddms:name>DNI</ddms:name>
    </ddms:organization>
    </ddms:publisher>
    </ddms:metacardInfo>
    <ddms:identifier ddms:qualifier="IC-ID" ddms:value="DNI-Doc-1"/>
    <ddms:title ism:classification="U" ism:ownerProducer="USA">Some Title</ddms:title>
    <ddms:description ism:classification="U" ism:ownerProducer="USA">A nice document</ddms:description>
    <ddms:language ddms:qualifier="urn:us:gov:ic:cenum:irm:iso639-2:trigraph:v1"
                  ddms:value="eng"/>
    <ddms:dates ddms:created="2009-11-10T12:00:00.0-04:00"/>
    <ddms:publisher>
    <ddms:organization>
    <ddms:name>DNI</ddms:name>
    </ddms:organization>
    </ddms:publisher>
    <ddms:publisher>
    <ddms:organization ddms:acronym="DNI">
    <ddms:name>DNI</ddms:name>
    </ddms:organization>
    </ddms:publisher>
</tdf:StructuredStatement>

```

```

    <ddms:subjectCoverage>
      <ddms:keyword ddms:value="Sample Document"/>
      <productionMetric xmlns="urn:us:mil:ces:metadata:ddms:5"
        ddms:subject="FOOD"
        ism:classification="U"
        ism:ownerProducer="USA"
        ddms:coverage="AFG"/>
    </ddms:subjectCoverage>
    <ddms:resourceManagement>
      <ddms:revisionRecall ddms:revisionID="1"
        ism:classification="U"
        ddms:revisionType="ADMINISTRATIVE RECALL"
        ism:ownerProducer="USA"/>
    </ddms:resourceManagement>
  </ddms:resource>
</tdf:StructuredStatement>
</tdf:Assertion>
<tdf:ReferenceValuePayload tdf:uri=""/>
</TrustedDataObject>

```

2.11 - DDMS-v5_0_IRM_RevRecall02.xml

```
<TrustedDataObject xmlns="urn:us:gov:ic:tdf"
    xmlns:tdf="urn:us:gov:ic:tdf"
    tdf:version="testversion">
  <tdf:HandlingAssertion tdf:scope="TDO">
    <tdf:HandlingStatement>
      <edh:Edh xmlns:edh="urn:us:gov:ic:edh"
        xmlns:arh="urn:us:gov:ic:arh"
        xmlns:ntk="urn:us:gov:ic:ntk"
        ism:ISMATCESVersion="201709"
        edh:DESVersion="1"
        arh:DESVersion="1"
        ism:DESVersion="9"
        ntk:DESVersion="7"><!--All identifiers must be GUIDE identifiers.  Replace this stub with a valid GUIDE-->
      <edh:Identifier>GUIDE://0000/0003</edh:Identifier>
      <edh:DataItemCreateDateTime>2006-05-03T23:59:59Z</edh:DataItemCreateDateTime>
      <edh:ResponsibleEntity edh:role="Custodian">
        <edh:Country>USA</edh:Country>
        <edh:Organization>NSA</edh:Organization>
      </edh:ResponsibleEntity>
      <arh:Security ism:compliesWith="USGov USIC"
        ism:resourceElement="true "
        ism:classification="U"
        ism:DESVersion="9"
        ism:createDate="2006-05-04"
        ism:ownerProducer="USA"/>
    </edh:Edh>
  </tdf:HandlingStatement>
</tdf:HandlingAssertion>
  <tdf:HandlingAssertion tdf:scope="PAYL">
    <tdf:HandlingStatement>
      <edh:ExternalEdh xmlns:edh="urn:us:gov:ic:edh"
        xmlns:arh="urn:us:gov:ic:arh"
        xmlns:ntk="urn:us:gov:ic:ntk"
        arh:DESVersion="1"
        edh:DESVersion="1"
        ism:DESVersion="9"
        ntk:DESVersion="7"><!--All identifiers must be GUIDE identifiers.  Replace this stub with a valid GUIDE-->
      <edh:Identifier>GUIDE://0000/0001</edh:Identifier>
      <edh:DataItemCreateDateTime>2009-11-10T16:00:00Z</edh:DataItemCreateDateTime>
      <edh:ResponsibleEntity edh:role="Custodian">
        <edh:Country>USA</edh:Country>
        <edh:Organization>DNI</edh:Organization>
      </edh:ResponsibleEntity>
      <arh:ExternalSecurity arh:DESVersion="1"
        ism:classification="U"
        ism:ownerProducer="USA"
        ism:excludeFromRollup="true"/>
    </edh:ExternalEdh>
  </tdf:HandlingStatement>
</tdf:HandlingAssertion>
  <tdf:Assertion tdf:scope="PAYL" tdf:type="DISCOVERY">
    <tdf:StatementMetadata>
```

```

<edh:Edh xmlns:edh="urn:us:gov:ic:edh"
  xmlns:arh="urn:us:gov:ic:arh"
  xmlns:ntk="urn:us:gov:ic:ntk"
  ism:ISMATCESVersion="201709"
  edh:DESVersion="1"
  arh:DESVersion="1"
  ism:DESVersion="9"
  ntk:DESVersion="7"><!--All identifiers must be GUIDE identifiers.  Replace this stub with a valid GUIDE-->
<edh:Identifier>GUIDE://0000/0002</edh:Identifier>
  <!--Error in original file regarding the dates.  Resource metacard date must not be later than Metacard security date, if present.  Resource security date has been
substituted here.-->
<edh:DataItemCreateDateTime>2006-05-03T23:59:59Z</edh:DataItemCreateDateTime>
  <edh:ResponsibleEntity edh:role="Custodian">
    <edh:Country>USA</edh:Country>
    <edh:Organization>DNI</edh:Organization>
  </edh:ResponsibleEntity>
  <arh:Security ism:compliesWith="USGov USIC"
    ism:resourceElement="true "
    ism:classification="U"
    ism:DESVersion="9"
    ism:createDate="2006-05-04"
    ism:ownerProducer="USA"/>
</edh:Edh>
</tdf:StatementMetadata>
<tdf:StructuredStatement>
  <ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:5"
    xmlns:ntk="urn:us:gov:ic:ntk"
    ism:DESVersion="9"
    ntk:DESVersion="7">
    <ddms:metacardInfo>
      <ddms:identifier ddms:qualifier="IC-ID" ddms:value="DNI-1"/>
      <ddms:dates ddms:created="2010-05-25"/>
      <ddms:publisher>
        <ddms:organization ddms:acronym="DNI">
          <ddms:name>DNI</ddms:name>
        </ddms:organization>
      </ddms:publisher>
    </ddms:metacardInfo>
    <ddms:identifier ddms:qualifier="IC-ID" ddms:value="DNI-Doc-1"/>
    <ddms:title ism:classification="U" ism:ownerProducer="USA">Some Title</ddms:title>
    <ddms:description ism:classification="U" ism:ownerProducer="USA">A nice document</ddms:description>
    <ddms:language ddms:qualifier="urn:us:gov:ic:cvenum:irm:iso639-2:trigraph:v1"
      ddms:value="eng"/>
    <ddms:dates ddms:created="2009-11-10T12:00:00.0-04:00"/>
    <ddms:publisher>
      <ddms:organization>
        <ddms:name>DNI</ddms:name>
      </ddms:organization>
    </ddms:publisher>
    <ddms:publisher>
      <ddms:organization ddms:acronym="DNI">
        <ddms:name>DNI</ddms:name>
      </ddms:organization>
    </ddms:publisher>
  </ddms:resource>
</tdf:StructuredStatement>

```

```
<ddms:subjectCoverage>
  <ddms:keyword ddms:value="Sample Document"/>
  <productionMetric xmlns="urn:us:mil:ces:metadata:ddms:5"
    ddms:subject="FOOD"
    ism:classification="U"
    ism:ownerProducer="USA"
    ddms:coverage="AFG"/>
</ddms:subjectCoverage>
<ddms:resourceManagement>
  <ddms:revisionRecall ddms:revisionID="1"
    ism:classification="U"
    ddms:revisionType="SUBSTANTIVE REVISION"
    ism:ownerProducer="USA">There was a arithmetic error. The base contains 100,000 troops NOT 1,000 troops</ddms:revisionRecall>
</ddms:resourceManagement>
</ddms:resource>
</tdf:StructuredStatement>
</tdf:Assertion>
<tdf:ReferenceValuePayload tdf:uri=""/>
</TrustedDataObject>
```

2.12 - DDMS-v5_0_IRM_RevRecall03.xml

```
<TrustedDataObject xmlns="urn:us:gov:ic:tdf"
    xmlns:tdf="urn:us:gov:ic:tdf"
    tdf:version="testversion">
  <tdf:HandlingAssertion tdf:scope="TDO">
    <tdf:HandlingStatement>
      <edh:Edh xmlns:edh="urn:us:gov:ic:edh"
        xmlns:arh="urn:us:gov:ic:arh"
        xmlns:ntk="urn:us:gov:ic:ntk"
        ism:ISMATCESVersion="201709"
        edh:DESVersion="1"
        arh:DESVersion="1"
        ism:DESVersion="9"
        ntk:DESVersion="7"><!--All identifiers must be GUIDE identifiers.  Replace this stub with a valid GUIDE-->
      <edh:Identifier>GUIDE://0000/0003</edh:Identifier>
      <edh:DataItemCreateDateTime>2006-05-03T23:59:59Z</edh:DataItemCreateDateTime>
      <edh:ResponsibleEntity edh:role="Custodian">
        <edh:Country>USA</edh:Country>
        <edh:Organization>NSA</edh:Organization>
      </edh:ResponsibleEntity>
      <arh:Security ism:compliesWith="USGov USIC"
        ism:resourceElement="true "
        ism:classification="S"
        ism:disseminationControls="NF"
        ism:derivativelyClassifiedBy="DNI"
        ism:derivedFrom="Multiple Sources"
        ism:declassDate="2031-05-04"
        ism:DESVersion="9"
        ism:createDate="2006-05-04"
        ism:ownerProducer="USA"/>
    </edh:Edh>
  </tdf:HandlingStatement>
</tdf:HandlingAssertion>
  <tdf:HandlingAssertion tdf:scope="PAYL">
    <tdf:HandlingStatement>
      <edh:ExternalEdh xmlns:edh="urn:us:gov:ic:edh"
        xmlns:arh="urn:us:gov:ic:arh"
        xmlns:ntk="urn:us:gov:ic:ntk"
        arh:DESVersion="1"
        edh:DESVersion="1"
        ism:DESVersion="9"
        ntk:DESVersion="7"><!--All identifiers must be GUIDE identifiers.  Replace this stub with a valid GUIDE-->
      <edh:Identifier>GUIDE://0000/0001</edh:Identifier>
      <edh:DataItemCreateDateTime>2009-11-10T16:00:00Z</edh:DataItemCreateDateTime>
      <edh:ResponsibleEntity edh:role="Custodian">
        <edh:Country>USA</edh:Country>
        <edh:Organization>DNI</edh:Organization>
      </edh:ResponsibleEntity>
      <arh:ExternalSecurity arh:DESVersion="1"
        ism:classification="U"
        ism:ownerProducer="USA"
        ism:excludeFromRollup="true"/>
    </edh:ExternalEdh>
```

```
</tdf:HandlingStatement>
</tdf:HandlingAssertion>
<tdf:Assertion tdf:scope="PAYL" tdf:type="DISCOVERY">
  <tdf:StatementMetadata>
    <edh:Edh xmlns:edh="urn:us:gov:ic:edh"
      xmlns:arh="urn:us:gov:ic:arh"
      xmlns:ntk="urn:us:gov:ic:ntk"
      ism:ISMCATCESVersion="201709"
      edh:DESVersion="1"
      arh:DESVersion="1"
      ism:DESVersion="9"
      ntk:DESVersion="7"><!--All identifiers must be GUIDE identifiers.  Replace this stub with a valid GUIDE-->
    <edh:Identifier>GUIDE://0000/0002</edh:Identifier>
    <!--Error in original file regarding the dates.  Resource metacard date must not be later than Metacard security date, if present.  Resource security date has been
substituted here.-->
    <edh:DataItemCreateDateTime>2006-05-03T23:59:59Z</edh:DataItemCreateDateTime>
    <edh:ResponsibleEntity edh:role="Custodian">
      <edh:Country>USA</edh:Country>
      <edh:Organization>DNI</edh:Organization>
    </edh:ResponsibleEntity>
    <arh:Security ism:compliesWith="USGov USIC"
      ism:resourceElement="true "
      ism:classification="S"
      ism:disseminationControls="NF"
      ism:derivativelyClassifiedBy="DNI"
      ism:derivedFrom="Multiple Sources"
      ism:declassDate="2031-05-04"
      ism:DESVersion="9"
      ism:createDate="2006-05-04"
      ism:ownerProducer="USA"/>
  </edh:Edh>
</tdf:StatementMetadata>
<tdf:StructuredStatement>
  <ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:5"
    xmlns:ntk="urn:us:gov:ic:ntk"
    ism:DESVersion="9"
    ntk:DESVersion="7">
    <ddms:metacardInfo>
      <ddms:identifier ddms:qualifier="IC-ID" ddms:value="DNI-1"/>
      <ddms:dates ddms:created="2010-05-25"/>
      <ddms:publisher>
        <ddms:organization ddms:acronym="DNI">
          <ddms:name>DNI</ddms:name>
        </ddms:organization>
      </ddms:publisher>
    </ddms:metacardInfo>
    <ddms:identifier ddms:qualifier="IC-ID" ddms:value="DNI-Doc-1"/>
    <ddms:title ism:classification="U" ism:ownerProducer="USA">Some Title</ddms:title>
    <ddms:description ism:classification="U" ism:ownerProducer="USA">A nice document</ddms:description>
    <ddms:language ddms:qualifier="urn:us:gov:ic:cenum:irm:iso639-2:trigraph:v1"
      ddms:value="eng"/>
    <ddms:dates ddms:created="2009-11-10T12:00:00.0-04:00"/>
    <ddms:publisher>
      <ddms:organization>
```

```

        <ddms:name>DNI</ddms:name>
      </ddms:organization>
    </ddms:publisher>
    <ddms:publisher>
      <ddms:organization ddms:acronym="DNI">
        <ddms:name>DNI</ddms:name>
      </ddms:organization>
    </ddms:publisher>
    <ddms:subjectCoverage>
      <ddms:keyword ddms:value="Sample Document"/>
      <productionMetric xmlns="urn:us:mil:ces:metadata:ddms:5"
        ddms:subject="FOOD"
        ism:classification="U"
        ism:ownerProducer="USA"
        ddms:coverage="AFG"/>
    </ddms:subjectCoverage>
    <ddms:resourceManagement>
      <ddms:revisionRecall ddms:revisionID="1"
        ism:classification="S"
        ism:disseminationControls="NF"
        ddms:revisionType="SUBSTANTIVE REVISION"
        ism:ownerProducer="USA">Notional SECRET information about the revision.</ddms:revisionRecall>
    </ddms:resourceManagement>
  </ddms:resource>
</tdf:StructuredStatement>
</tdf:Assertion>
<tdf:ReferenceValuePayload tdf:uri=""/>
</TrustedDataObject>
```

2.13 - GeneralAddressClass_DDMSExample1.xml

```
<!-- The intent of this example is to demonstrate the proper usage of the TSPI General Address Class. It is indicative of a DDMS record that has been removed from an encompassing
TDF/TDO and is intended solely as a stand alone example for the use of TSPI.--><ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:5"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../../Schema/DDMS/DDMS-v5.xsd"><!-- IC-CIO Encoding Team replaced
xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../../DDMS-v5.xsd" with path to the schema in the packaging we provide. -->
  <ddms:metacardInfo ism:classification="U" ism:ownerProducer="USA">
    <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
      ddms:value="DDMS5_TSPI_GeneralAddressClass_Example_1"/>
    <ddms:dates ddms:created="2013-01-02" ddms:posted="2013-01-03"/>
    <ddms:publisher>
      <ddms:unknown>
        <ddms:name>DDMS Team</ddms:name>
      </ddms:unknown>
    </ddms:publisher>
  </ddms:metacardInfo>
  <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
    ddms:value="DDMS5_TSPI_GeneralAddressClass_Example_1"/>
  <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ResourceID"
    ddms:value="http://examples/someReportWhereSomethingHappenedAtThisAddress.html"/>
  <!--Resource uri and qualifier do not exist. Only here to indicate that this DDMS record is referencing some external resource where something happened at the address given-->
  <ddms:title ism:classification="U" ism:ownerProducer="USA">Report using an example of Time Space Position Information Standard using the General Address Class: Example 1</ddms:title>
  <ddms:dates ddms:created="2013-01-02T06:29:33Z"/>
  <ddms:type ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:Examples:documentType"
    ddms:value="example"/>
  <!--This urn in ddms:qualifier in ddms:type was invented to indicate that this document is an example. Not a real urn.-->
  <ddms:creator>
    <ddms:unknown>
      <ddms:name>DDMS Team</ddms:name>
    </ddms:unknown>
  </ddms:creator>
  <ddms:publisher>
    <ddms:organization>
      <ddms:name>Novetta</ddms:name>
    </ddms:organization>
  </ddms:publisher>
  <ddms:contributor>
    <ddms:organization ddms:acronym="NGA">
      <ddms:name>National Geospatial-Intelligence Agency</ddms:name>
    </ddms:organization>
  </ddms:contributor>
  <ddms:contributor>
    <ddms:person>
      <ddms:name>Dr. Paul</ddms:name>
      <ddms:surname>Birkel</ddms:surname>
      <ddms:affiliation>MITRE</ddms:affiliation>
      <ddms:affiliation>NGA</ddms:affiliation>
    </ddms:person>
  </ddms:contributor>
  <ddms:subjectCoverage>
    <ddms:keyword ddms:value="TSPI General Address Example"/>
  </ddms:subjectCoverage>
```

```

    <ddms:geospatialCoverage>
      <ddms:postalAddress>
        <tspi:GeneralAddressClass xmlns:tspi="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0"><!-- The delivery address is unparsed, allowing addresses that do not conform
to any of the thoroughfare, landmark, or postal classes, including non-U.S. addresses. -->
        <addr:GeneralAddress xmlns:addr="http://www.fgdc.gov/schema/address/addr">Deliver care of John Doe, Postmaster, Bald Mountain Station</addr:GeneralAddress>
        </tspi:GeneralAddressClass>
      </ddms:postalAddress>
    </ddms:geospatialCoverage>
  </ddms:resource>

```

2.14 - GeospatialTest1(resource_extracted).xml

```
<!-- The intent of this example is to demonstrate the proper use of the GENC within the ddms:countryCode element. Both valid and invalid examples are present. For the
      file to be compliant with the GENC standard, the invalid elements, marked by a preceding ERROR VALUE comment, and the associated ddms:geospatialCoverage element must be removed. -->
<ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:5"
               xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
               xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../Schema/DDMS/DDMS-v5.xsd"><!-- IC-CIO Encoding Team replaced
xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../DDMS-v5.xsd" with path to the schema in the packaging we provide. -->
  <ddms:metacardInfo ism:classification="U" ism:ownerProducer="USA">
    <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
                   ddms:value="DDMS5_GENC_Example_1"/>
    <ddms:dates ddms:created="2012-12-28" ddms:posted="2013-01-03"/>
    <ddms:publisher>
      <ddms:unknown>
        <ddms:name>DDMS Team</ddms:name>
      </ddms:unknown>
    </ddms:publisher>
  </ddms:metacardInfo>
  <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
                 ddms:value="DDMS5_GENC_Example_1"/>
  <ddms:title ism:classification="U" ism:ownerProducer="USA">An example of Time Space Position Information Standard using a Geodetic 2D Circle and 23Bit encoding: Example 1</
ddms:title>

  <ddms:dates ddms:created="2012-12-28T06:29:33Z"/>
  <ddms:type ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:Examples:documentType"
            ddms:value="example"/>
  <!--This urn in ddms:qualifier in ddms:type was invented to indicate that this document is an example. Not a real urn.-->

  <ddms:creator>
    <ddms:unknown>
      <ddms:name>DDMS Team</ddms:name>
    </ddms:unknown>
  </ddms:creator>
  <ddms:publisher>
    <ddms:organization>
      <ddms:name>Novetta</ddms:name>
    </ddms:organization>
  </ddms:publisher>
  <ddms:subjectCoverage>
    <ddms:keyword ddms:value="GENC Examples"/>
  </ddms:subjectCoverage>
  <ddms:geospatialCoverage><!-- GENC-Specific codes from the GENC standard. Examples here are the United States (USA, US, 840)-->
<ddms:geographicIdentifier><!-- Three character examples -->
  <ddms:countryCode ddms:codespace="urn:us:gov:dod:nga:def:geo-political:GENC:3:ed1"
                  ddms:code="ge:GENC:3:ed1:USA"/>

  </ddms:geographicIdentifier>
  <!-- URN codespace with short urn code -->
<ddms:geographicIdentifier>
  <ddms:countryCode ddms:codespace="http://api.nsgreg.nga.mil/geo-political/GENC/3/ed1"
                  ddms:code="ge:GENC:3:ed1:USA"/>

  </ddms:geographicIdentifier>
  <!-- URI codespace with short urn code -->
<ddms:geographicIdentifier>
  <ddms:countryCode ddms:codespace="urn:us:gov:dod:nga:def:geo-political:GENC:3:ed1"
                  ddms:code="geo-political:GENC:3:ed1:USA"/>

  </ddms:geographicIdentifier>
```

```

        <!-- URN codespace with full urn code -->
<ddms:geographicIdentifier>
    <ddms:countryCode ddms:codespace="http://api.nsgreg.nga.mil/geo-political/GENC/3/ed1"
        ddms:code="geo-political:GENC:3:ed1:USA"/>
    </ddms:geographicIdentifier>
    <!-- URI codespace with full urn code -->
</ddms:geospatialCoverage>
    <ddms:geospatialCoverage><!-- Two character examples -->
<ddms:geographicIdentifier>
    <ddms:countryCode ddms:codespace="urn:us:gov:dod:nga:def:geo-political:GENC:2:ed1"
        ddms:code="ge:GENC:2:ed1:US"/>
    </ddms:geographicIdentifier>
    <!-- URN codespace with short urn code -->
<ddms:geographicIdentifier>
    <ddms:countryCode ddms:codespace="http://api.nsgreg.nga.mil/geo-political/GENC/2/ed1"
        ddms:code="ge:GENC:2:ed1:US"/>
    </ddms:geographicIdentifier>
    <!-- URI codespace with short urn code -->
<ddms:geographicIdentifier>
    <ddms:countryCode ddms:codespace="urn:us:gov:dod:nga:def:geo-political:GENC:2:ed1"
        ddms:code="geo-political:GENC:2:ed1:US"/>
    </ddms:geographicIdentifier>
    <!-- URN codespace with full urn code -->
<ddms:geographicIdentifier>
    <ddms:countryCode ddms:codespace="http://api.nsgreg.nga.mil/geo-political/GENC/2/ed1"
        ddms:code="geo-political:GENC:2:ed1:US"/>
    </ddms:geographicIdentifier>
    <!-- URI codespace with full urn code -->
</ddms:geospatialCoverage>
    <ddms:geospatialCoverage><!-- Numeric examples -->
<ddms:geographicIdentifier>
    <ddms:countryCode ddms:codespace="urn:us:gov:dod:nga:def:geo-political:GENC:n:ed1"
        ddms:code="ge:GENC:n:ed1:840"/>
    </ddms:geographicIdentifier>
    <!-- URN codespace with short urn code -->
<ddms:geographicIdentifier>
    <ddms:countryCode ddms:codespace="http://api.nsgreg.nga.mil/geo-political/GENC/n/ed1"
        ddms:code="ge:GENC:n:ed1:840"/>
    </ddms:geographicIdentifier>
    <!-- URI codespace with short urn code -->
<ddms:geographicIdentifier>
    <ddms:countryCode ddms:codespace="urn:us:gov:dod:nga:def:geo-political:GENC:n:ed1"
        ddms:code="geo-political:GENC:n:ed1:840"/>
    </ddms:geographicIdentifier>
    <!-- URN codespace with full urn code -->
<ddms:geographicIdentifier>
    <ddms:countryCode ddms:codespace="http://api.nsgreg.nga.mil/geo-political/GENC/n/ed1"
        ddms:code="geo-political:GENC:n:ed1:840"/>
    </ddms:geographicIdentifier>
    <!-- URI codespace with full urn code -->
</ddms:geospatialCoverage>
    <ddms:geospatialCoverage><!-- ISO-Specific codes from the GENC standard. (Codes that are drawn directly from the ISO standard. Example used here is Algeria. (DZA, DZ, 012))-->
<ddms:geographicIdentifier><!-- Three character examples -->
    <ddms:countryCode ddms:codespace="urn:us:gov:dod:nga:def:geo-political:ISO3166-1:3:VI-13"
```

```

        ddms:code="ge:ISO1:3:VI-13:DZA"/>
    </ddms:geographicIdentifier>
    <!-- URN codespace with short urn code -->
<ddms:geographicIdentifier>
    <ddms:countryCode ddms:codespace="http://api.nsgreg.nga.mil/geo-political/ISO3166-1/3/VI-13"
        ddms:code="ge:ISO1:3:VI-13:DZA"/>
    </ddms:geographicIdentifier>
    <!-- URI codespace with short urn code -->
<ddms:geographicIdentifier>
    <ddms:countryCode ddms:codespace="urn:us:gov:dod:nga:def:geo-political:ISO3166-1:3:VI-13"
        ddms:code="geo-political:ISO3166-1:3:VI-13:DZA"/>
    </ddms:geographicIdentifier>
    <!-- URN codespace with full urn code -->
<ddms:geographicIdentifier>
    <ddms:countryCode ddms:codespace="http://api.nsgreg.nga.mil/geo-political/ISO3166-1/3/VI-13"
        ddms:code="geo-political:ISO3166-1:3:VI-13:DZA"/>
    </ddms:geographicIdentifier>
    <!-- URI codespace with full urn code -->
</ddms:geospatialCoverage>
    <ddms:geospatialCoverage><!-- Two character examples -->
<ddms:geographicIdentifier>
    <ddms:countryCode ddms:codespace="urn:us:gov:dod:nga:def:geo-political:ISO3166-1:2:VI-13"
        ddms:code="ge:ISO1:2:VI-13:DZ"/>
    </ddms:geographicIdentifier>
    <!-- URN codespace with short urn code -->
<ddms:geographicIdentifier>
    <ddms:countryCode ddms:codespace="http://api.nsgreg.nga.mil/geo-political/ISO3166-1/2/VI-13"
        ddms:code="ge:ISO1:2:VI-13:DZ"/>
    </ddms:geographicIdentifier>
    <!-- URI codespace with short urn code -->
<ddms:geographicIdentifier>
    <ddms:countryCode ddms:codespace="urn:us:gov:dod:nga:def:geo-political:ISO3166-1:2:VI-13"
        ddms:code="geo-political:ISO3166-1:2:VI-13:DZ"/>
    </ddms:geographicIdentifier>
    <!-- URN codespace with full urn code -->
<ddms:geographicIdentifier>
    <ddms:countryCode ddms:codespace="http://api.nsgreg.nga.mil/geo-political/ISO3166-1/2/VI-13"
        ddms:code="geo-political:ISO3166-1:2:VI-13:DZ"/>
    </ddms:geographicIdentifier>
    <!-- URI codespace with full urn code -->
</ddms:geospatialCoverage>
    <ddms:geospatialCoverage><!-- Numeric examples -->
<ddms:geographicIdentifier>
    <ddms:countryCode ddms:codespace="urn:us:gov:dod:nga:def:geo-political:ISO3166-1:n:VI-13:012"
        ddms:code="ge:ISO1:n:VI-13:012"/>
    </ddms:geographicIdentifier>
    <!-- URN codespace with short urn code -->
<ddms:geographicIdentifier>
    <ddms:countryCode ddms:codespace="http://api.nsgreg.nga.mil/geo-political/ISO3166-1/n/VI-13/012"
        ddms:code="ge:ISO1:n:VI-13:012"/>
    </ddms:geographicIdentifier>
    <!-- URI codespace with short urn code -->
<ddms:geographicIdentifier>
    <ddms:countryCode ddms:codespace="urn:us:gov:dod:nga:def:geo-political:ISO3166-1:n:VI-13:012"
```

```

                ddms:code="geo-political:ISO3166-1:n:VI-13:012"/>
            </ddms:geographicIdentifier>
            <!-- URN codespace with full urn code -->
        <ddms:geographicIdentifier>
            <ddms:countryCode ddms:codespace="http://api.nsgreg.nga.mil/geo-political/ISO3166-1/n/VI-13/012"
                ddms:code="geo-political:ISO3166-1:n:VI-13:012"/>
            </ddms:geographicIdentifier>
            <!-- URI codespace with full urn code -->
    </ddms:geospatialCoverage>
    <ddms:geospatialCoverage><!-- Now some examples of ERROR values -->
    <ddms:geographicIdentifier><!-- ERROR VALUE -->
        <ddms:countryCode ddms:codespace="GENC" ddms:code="USA"/>
        <!-- Neither codespace nor code are formatted correctly.-->
    </ddms:geographicIdentifier>
        <ddms:geographicIdentifier><!-- ERROR VALUE -->
        <ddms:countryCode ddms:codespace="ISO-3166" ddms:code="USA"/>
        <!-- Neither codespace nor code are formatted correctly.-->
    </ddms:geographicIdentifier>
        <ddms:geographicIdentifier><!-- ERROR VALUE -->
        <ddms:countryCode ddms:codespace="urn:us:gov:dod:nga:def:geo-political:GENC:3:ed1"
            ddms:code="ge:GENC:3:ed1:US"/>
        <!-- Codespace and code indicate use of a 3-character code and the code is "US" instead of "USA".-->
    </ddms:geographicIdentifier>
        <ddms:geographicIdentifier><!-- ERROR VALUE -->
        <ddms:countryCode ddms:codespace="urn:us:gov:dod:nga:def:geo-political:GENC:2:ed1"
            ddms:code="ge:GENC:2:ed1:840"/>
        <!-- Codespace and code indicate use of a 2-character code and the code is "840" instead of "US".-->
    </ddms:geographicIdentifier>
        <ddms:geographicIdentifier><!-- ERROR VALUE -->
        <ddms:countryCode ddms:codespace="urn:us:gov:dod:nga:def:geo-political:GENC:n:ed1"
            ddms:code="ge:GENC:n:ed1:USA"/>
        <!-- Codespace and code indicate use of a numeric code and the code is "USA" instead of "840".-->
    </ddms:geographicIdentifier>
    </ddms:geospatialCoverage>
</ddms:resource>
```

2.15 - IntersectionAddress_DDMSExample1.xml

```
<!-- The intent of this example is to demonstrate the proper usage of the TSPI Intersection Address.  It is indicative of a DDMS record
      that has been removed from an encompassing TDF/TDO and is intended solely as a stand alone example for the use of TSPI.--><ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:5"
                        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
                        xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../Schema/DDMS/DDMS-v5.xsd"><!-- IC-CIO Encoding Team replaced
xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../DDMS-v5.xsd" with path to the schema in the packaging we provide. -->
  <ddms:metacardInfo ism:classification="U" ism:ownerProducer="USA">
    <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
                    ddms:value="DDMS5_TSPI_IntersectionAddress_Example_1"/>
    <ddms:dates ddms:created="2013-01-02" ddms:posted="2013-01-03"/>
    <ddms:publisher>
      <ddms:unknown>
        <ddms:name>DDMS Team</ddms:name>
      </ddms:unknown>
    </ddms:publisher>
  </ddms:metacardInfo>
  <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
                  ddms:value="DDMS5_TSPI_IntersectionAddress_Example_1"/>
  <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ResourceID"
                  ddms:value="http://examples/someReportWhereSomethingHappenedAtThisAddress.html"/>
  <!--Resource uri and qualifier do not exist.  Only here to indicate that this DDMS record is referencing some external resource where something happened at the address given-->
>
  <ddms:title ism:classification="U" ism:ownerProducer="USA">Report using an example of Time Space Position Information Standard using the Intersection Address: Example 1</ddms:title>
  <ddms:dates ddms:created="2013-01-02T06:29:33Z"/>
  <ddms:type ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:Examples:documentType"
            ddms:value="example"/>
  <!--This urn in ddms:qualifier in ddms:type was invented to indicate that this document is an example. Not a real urn.-->
  <ddms:creator>
    <ddms:unknown>
      <ddms:name>DDMS Team</ddms:name>
    </ddms:unknown>
  </ddms:creator>
  <ddms:publisher>
    <ddms:organization>
      <ddms:name>Novetta</ddms:name>
    </ddms:organization>
  </ddms:publisher>
  <ddms:contributor>
    <ddms:organization ddms:acronym="NGA">
      <ddms:name>National Geospatial-Intelligence Agency</ddms:name>
    </ddms:organization>
  </ddms:contributor>
  <ddms:contributor>
    <ddms:person>
      <ddms:name>Dr. Paul</ddms:name>
      <ddms:surname>Birkel</ddms:surname>
      <ddms:affiliation>MITRE</ddms:affiliation>
      <ddms:affiliation>NGA</ddms:affiliation>
    </ddms:person>
  </ddms:contributor>
  <ddms:subjectCoverage>
    <ddms:keyword ddms:value="TSPI Intersection Address Example"/>
  </ddms:subjectCoverage>
```

```
<ddms:geospatialCoverage>
  <ddms:postalAddress>
    <tspi:IntersectionAddress xmlns:tspi="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0">
      <addr:CompleteStreetName xmlns:addr="http://www.fgdc.gov/schema/address/addr">
        <addr_type:StreetNamePreDirectional xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">East</addr_type:StreetNamePreDirectional>
        <addr_type:StreetName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">52nd</addr_type:StreetName>
        <addr_type:StreetNamePostType xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">Street</addr_type:StreetNamePostType>
      </addr:CompleteStreetName>
      <addr:SeparatorElement xmlns:addr="http://www.fgdc.gov/schema/address/addr">and</addr:SeparatorElement>
      <addr:CompleteStreetName xmlns:addr="http://www.fgdc.gov/schema/address/addr">
        <addr_type:StreetName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">Vine</addr_type:StreetName>
        <addr_type:StreetNamePostType xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">Avenue</addr_type:StreetNamePostType>
      </addr:CompleteStreetName>
      <addr_type:CompletePlaceName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">
        <addr_type:PlaceName>McLean</addr_type:PlaceName>
      </addr_type:CompletePlaceName>
      <addr_type:StateName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">Virginia</addr_type:StateName>
      <addr_type:ZipCode xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">20102</addr_type:ZipCode>
      <addr_type:CountryName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">http://api.nsgreg.nga.mil/geo-political/GENC/n/ed1/840</addr_type:CountryName>
      <!-- Country Name formatted according to the GENC standard. This is the complete resource URL version of the numeric code. The use of the short URN is the
        currently recommended practice for representing a country code.-->
    </tspi:IntersectionAddress>
  </ddms:postalAddress>
</ddms:geospatialCoverage>
</ddms:resource>
```

2.16 - LandmarkAddress_DDMSExample1.xml

```
<!-- The intent of this example is to demonstrate the proper usage of the TSPI Landmark Address.  It is indicative of a DDMS record
      that has been removed from an encompassing TDF/TDO and is intended solely as a stand alone example for the use of TSPI.--><ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:5"
                        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
                        xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../Schema/DDMS/DDMS-v5.xsd"><!-- IC-CIO Encoding Team replaced
xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../DDMS-v5.xsd" with path to the schema in the packaging we provide. -->
  <ddms:metacardInfo ism:classification="U" ism:ownerProducer="USA">
    <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
                    ddms:value="DDMS5_TSPI_IntersectionAddress_Example_1"/>
    <ddms:dates ddms:created="2013-01-02" ddms:posted="2013-01-03"/>
    <ddms:publisher>
      <ddms:unknown>
        <ddms:name>DDMS Team</ddms:name>
      </ddms:unknown>
    </ddms:publisher>
  </ddms:metacardInfo>
  <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
                  ddms:value="DDMS5_TSPI_IntersectionAddress_Example_1"/>
  <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ResourceID"
                  ddms:value="http://examples/someReportWhereSomethingHappenedAtThisAddress.html"/>
  <!--Resource uri and qualifier do not exist.  Only here to indicate that this DDMS record is referencing some external resource where something happened at the address given-->
  >
  <ddms:title ism:classification="U" ism:ownerProducer="USA">Report using an example of Time Space Position Information Standard using the Intersection Address: Example 1</ddms:title>
  <ddms:dates ddms:created="2013-01-02T06:29:33Z"/>
  <ddms:type ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:Examples:documentType"
            ddms:value="example"/>
  <!--This urn in ddms:qualifier in ddms:type was invented to indicate that this document is an example. Not a real urn.-->
  <ddms:creator>
    <ddms:unknown>
      <ddms:name>DDMS Team</ddms:name>
    </ddms:unknown>
  </ddms:creator>
  <ddms:publisher>
    <ddms:organization>
      <ddms:name>Novetta</ddms:name>
    </ddms:organization>
  </ddms:publisher>
  <ddms:contributor>
    <ddms:organization ddms:acronym="NGA">
      <ddms:name>National Geospatial-Intelligence Agency</ddms:name>
    </ddms:organization>
  </ddms:contributor>
  <ddms:contributor>
    <ddms:person>
      <ddms:name>Dr. Paul</ddms:name>
      <ddms:surname>Birkel</ddms:surname>
      <ddms:affiliation>MITRE</ddms:affiliation>
      <ddms:affiliation>NGA</ddms:affiliation>
    </ddms:person>
  </ddms:contributor>
  <ddms:subjectCoverage>
    <ddms:keyword ddms:value="TSPI Intersection Address Example"/>
  </ddms:subjectCoverage>
```

```
<ddms:geospatialCoverage>
  <ddms:postalAddress>
    <tspi:IntersectionAddress xmlns:tspi="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0">
      <addr:CompleteStreetName xmlns:addr="http://www.fgdc.gov/schema/address/addr">
        <addr_type:StreetNamePreDirectional xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">East</addr_type:StreetNamePreDirectional>
        <addr_type:StreetName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">52nd</addr_type:StreetName>
        <addr_type:StreetNamePostType xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">Street</addr_type:StreetNamePostType>
      </addr:CompleteStreetName>
      <addr:SeparatorElement xmlns:addr="http://www.fgdc.gov/schema/address/addr">and</addr:SeparatorElement>
      <addr:CompleteStreetName xmlns:addr="http://www.fgdc.gov/schema/address/addr">
        <addr_type:StreetName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">Vine</addr_type:StreetName>
        <addr_type:StreetNamePostType xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">Avenue</addr_type:StreetNamePostType>
      </addr:CompleteStreetName>
      <addr_type:CompletePlaceName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">
        <addr_type:PlaceName>McLean</addr_type:PlaceName>
      </addr_type:CompletePlaceName>
      <addr_type:StateName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">Virginia</addr_type:StateName>
      <addr_type:ZipCode xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">20102</addr_type:ZipCode>
      <addr_type:CountryName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">urn:us:gov:dod:nga:def:geo-political:GENC:n:ed1:840</addr_type:CountryName>
      <!-- Country Name formatted according to the GENC standard. This is the complete resource URN version of the 3-Character code. The use of the short URN is the
      currently recommended practice for representing a country code.-->
    </tspi:IntersectionAddress>
  </ddms:postalAddress>
</ddms:geospatialCoverage>
</ddms:resource>
```

2.17 - NumberedThoroughfareAddress_DDMSExample1.xml

```
<!-- The intent of this example is to demonstrate the proper usage of the TSPI Numbered Thoroughfare Address. It is indicative of a DDMS record
      that has been removed from an encompassing TDF/TDO and is intended solely as a stand alone example for the use of TSPI.--><ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:5"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../Schema/DDMS/DDMS-v5.xsd"><!-- IC-CIO Encoding Team replaced
xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../DDMS-v5.xsd" with path to the schema in the packaging we provide. -->
  <ddms:metacardInfo ism:classification="U" ism:ownerProducer="USA">
    <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
      ddms:value="DDMS5_TSPI_NumberedThoroughfareAddress_Example_1"/>
    <ddms:dates ddms:created="2013-01-02" ddms:posted="2013-01-03"/>
    <ddms:publisher>
      <ddms:unknown>
        <ddms:name>DDMS Team</ddms:name>
      </ddms:unknown>
    </ddms:publisher>
  </ddms:metacardInfo>
  <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
    ddms:value="DDMS5_TSPI_NumberedThoroughfareAddress_Example_1"/>
  <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ResourceID"
    ddms:value="http://examples/someReportWhereSomethingHappenedAtThisAddress.html"/>
  <!--Resource uri and qualifier do not exist. Only here to indicate that this DDMS record is referencing some external resource where something happened at the address given-->
  >
  <ddms:title ism:classification="U" ism:ownerProducer="USA">Report using an example of Time Space Position Information Standard using the Intersection Address: Example 1</ddms:title>
  <ddms:dates ddms:created="2013-01-02T06:29:33Z"/>
  <ddms:type ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:Examples:documentType"
    ddms:value="example"/>
  <!--This urn in ddms:qualifier in ddms:type was invented to indicate that this document is an example. Not a real urn.-->
  <ddms:creator>
    <ddms:unknown>
      <ddms:name>DDMS Team</ddms:name>
    </ddms:unknown>
  </ddms:creator>
  <ddms:publisher>
    <ddms:organization>
      <ddms:name>Novetta</ddms:name>
    </ddms:organization>
  </ddms:publisher>
  <ddms:contributor>
    <ddms:organization ddms:acronym="NGA">
      <ddms:name>National Geospatial-Intelligence Agency</ddms:name>
    </ddms:organization>
  </ddms:contributor>
  <ddms:contributor>
    <ddms:person>
      <ddms:name>Dr. Paul</ddms:name>
      <ddms:surname>Birkel</ddms:surname>
      <ddms:affiliation>MITRE</ddms:affiliation>
      <ddms:affiliation>NGA</ddms:affiliation>
    </ddms:person>
  </ddms:contributor>
  <ddms:subjectCoverage>
    <ddms:keyword ddms:value="TSPI Numbered Thoroughfare Address Example"/>
  </ddms:subjectCoverage>
```

```
<ddms:geospatialCoverage>
  <ddms:postalAddress>
    <tspi:NumberedThoroughfareAddress xmlns:tspi="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0">
      <addr:CompleteAddressNumber xmlns:addr="http://www.fgdc.gov/schema/address/addr">
        <addr_type:AddressNumber xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">47</addr_type:AddressNumber>
      </addr:CompleteAddressNumber>
      <addr:CompleteStreetName xmlns:addr="http://www.fgdc.gov/schema/address/addr">
        <addr_type:StreetNamePreDirectional xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">East</addr_type:StreetNamePreDirectional>
        <addr_type:StreetName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">52nd</addr_type:StreetName>
        <addr_type:StreetNamePostType xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">Street</addr_type:StreetNamePostType>
      </addr:CompleteStreetName>
      <addr_type:CompletePlaceName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">
        <addr_type:PlaceName>McLean</addr_type:PlaceName>
      </addr_type:CompletePlaceName>
      <addr_type:StateName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">Virginia</addr_type:StateName>
      <addr_type:ZipCode xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">20102</addr_type:ZipCode>
      <addr_type:CountryName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">ge:GENC:2:ed1:US</addr_type:CountryName>
      <!-- Country Name formatted according to the GENC standard. This is the short version of the URN for the 2-Character code. The use of the short URN is the
        currently recommended practice for representing a country code.-->
    </tspi:NumberedThoroughfareAddress>
  </ddms:postalAddress>
</ddms:geospatialCoverage>
</ddms:resource>
```

2.18 - PointGeodetic2D_Vert_SexagesimalDDMSExample1.xml

```
<!-- The intent of this example is to demonstrate the proper usage of the TSPI 2D Geodetic Point and the Vertical Sexagesimal Presentation. It is indicative of a DDMS record
that has been removed from an encompassing TDF/TDO and is intended solely as a stand alone example for the use of TSPI.--><ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:5"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../Schema/DDMS/DDMS-v5.xsd"><!-- IC-CIO Encoding Team replaced
xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../DDMS-v5.xsd" with path to the schema in the packaging we provide. -->
  <ddms:metacardInfo ism:classification="U" ism:ownerProducer="USA">
    <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
      ddms:value="DDMS5_TSPI_Geodetic_2D_Plus_Vertical_Point_Sexagesimal_Example_1"/>
    <ddms:dates ddms:created="2012-12-28"/>
    <ddms:publisher>
      <ddms:unknown>
        <ddms:name>DDMS Team</ddms:name>
      </ddms:unknown>
    </ddms:publisher>
  </ddms:metacardInfo>
  <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
    ddms:value="DDMS5_TSPI_Geodetic_2D_Plus_Vertical_Point_Sexagesimal_Example_1"/>
  <ddms:title ism:classification="U" ism:ownerProducer="USA">An example of Time Space Position Information Standard using a Compound Geodetic 2D + Vertical CRS and Sexagesimal
Point: Example 1</ddms:title>
  <ddms:dates ddms:created="2012-12-28T06:29:33Z"/>
  <ddms:type ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:Examples:documentType"
    ddms:value="example"/>
  <!--This urn in ddms:qualifier in ddms:type was invented to indicate that this document is an example. Not a real urn.-->
  <ddms:creator>
    <ddms:unknown>
      <ddms:name>DDMS Team</ddms:name>
    </ddms:unknown>
  </ddms:creator>
  <ddms:contributor>
    <ddms:organization ddms:acronym="NGA">
      <ddms:name>National Geospatial-Intelligence Agency</ddms:name>
    </ddms:organization>
  </ddms:contributor>
  <ddms:subjectCoverage>
    <ddms:keyword ddms:value="Point Example"/>
  </ddms:subjectCoverage>
  <ddms:geospatialCoverage>
    <ddms:boundingGeometry>
      <tspi:Point xmlns:tspi="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0"
        xmlns:gml="http://www.opengis.net/gml/3.2"
        gml:id="PointCompoundGeodetic2DVertSexagesimalExample"
        srsDimension="3"
        srsName="http://metadata.ces.mil/mdr/ns/GSIP/crs/WGS84E_MSL_H"><!--srsName identifies that we are using the GSIP-registered WGS84E crs for the lat/lon and
MSL with a height value (as opposed to depth)
        This comprises the Compound Geodetic 2D + Vertical CRS portion of the example (see section 5.3.2.7 of the TSPI Standard for further information.)
        [Note: according to the TSPI standard the use of MSL has been deemed a deprecated practice in favor of EGM. The use of EGM 96 is a recommended
        practice and the use of EGM 08 is an emerging practice. (See sections 5.3.2.7.2, 5.3.2.7.3, and 5.3.2.7.4 of the TSPI Standard for further information.)]--><!--the position
is lat:53.8093938 and lon:-2.12955 with height:4572m MSL-->
        <gml:pos>53.8093938 -2.12955 4572</gml:pos>
        <tspi-core:horizResolutionCategory xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core">arcMillisecond</tspi-core:horizResolutionCategory>
        <tspi-core:vertResolutionCategory xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core">hectofoot</tspi-core:vertResolutionCategory>
        <!-- The horizontal and vertical presentation portion shows the same position on the earth (above the earth, really) in a human-friendly
```

```

    representation, specifically sexagesimal with altitude in feet MSL.  When put together this would read: 53°48'33.818"N 2°7'46.380"E at
    an altitude of 15,000 feet MSL-->
<tspi-core:horizPresentation xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core"
                             srsName="http://metadata.ces.mil/mdr/ns/GSIP/crs/WGS84E_2D">
    <tspi-core:sexagesimalLocation>
        <tspi-core:geoDegree>
            <tspi-core:latitude>53</tspi-core:latitude>
            <tspi-core:longitude>2</tspi-core:longitude>
        </tspi-core:geoDegree>
        <tspi-core:geoMinute>
            <tspi-core:latitude>48</tspi-core:latitude>
            <tspi-core:longitude>7</tspi-core:longitude>
        </tspi-core:geoMinute>
        <tspi-core:geoSecond>
            <tspi-core:latitude>33</tspi-core:latitude>
            <tspi-core:longitude>46</tspi-core:longitude>
        </tspi-core:geoSecond>
        <tspi-core:geoSecondFraction>
            <tspi-core:millisecond>
                <tspi-core:latitude>818</tspi-core:latitude>
                <tspi-core:longitude>380</tspi-core:longitude>
            </tspi-core:millisecond>
        </tspi-core:geoSecondFraction>
        <tspi-core:geoLatHemisphere>north</tspi-core:geoLatHemisphere>
        <tspi-core:geoLongHemisphere>east</tspi-core:geoLongHemisphere>
    </tspi-core:sexagesimalLocation>
</tspi-core:horizPresentation>
<tspi-core:vertPresentation xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core"
                             srsName="http://metadata.ces.mil/mdr/ns/GSIP/crs/MSL_H">
    <tspi-core:altitude uom="http://metadata.ces.mil/mdr/ns/GSIP/uom/length/foot">15000</tspi-core:altitude>
</tspi-core:vertPresentation>
</tspi:Point>
</ddms:boundingGeometry>
</ddms:geospatialCoverage>
</ddms:resource>
```

2.19 - TwoNumberAddressRange_DDMSExample1.xml

```
<!-- The intent of this example is to demonstrate the proper usage of the TSPI Two Number Address Range.  It is indicative of a DDMS record
      that has been removed from an encompassing TDF/TDO and is intended solely as a stand alone example for the use of TSPI.--><ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:5"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../Schema/DDMS/DDMS-v5.xsd"><!-- IC-CIO Encoding Team replaced
xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../DDMS-v5.xsd" with path to the schema in the packaging we provide. -->
  <ddms:metacardInfo ism:classification="U" ism:ownerProducer="USA">
    <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
      ddms:value="DDMS5_TSPI_TwoNumberAddressRange_Example_1"/>
    <ddms:dates ddms:created="2013-01-02" ddms:posted="2013-01-03"/>
    <ddms:publisher>
      <ddms:unknown>
        <ddms:name>DDMS Team</ddms:name>
      </ddms:unknown>
    </ddms:publisher>
  </ddms:metacardInfo>
  <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
    ddms:value="DDMS5_TSPI_TwoNumberAddressRange_Example_1"/>
  <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ResourceID"
    ddms:value="http://examples/someReportWhereSomethingHappenedAtThisAddress.html"/>
  <!--Resource uri and qualifier do not exist.  Only here to indicate that this DDMS record is referencing some external resource where something happened at the address given-->
  >
  <ddms:title ism:classification="U" ism:ownerProducer="USA">Report using an example of Time Space Position Information Standard using the Intersection Address: Example 1</ddms:title>
  <ddms:dates ddms:created="2013-01-02T06:29:33Z"/>
  <ddms:type ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:Examples:documentType"
    ddms:value="example"/>
  <!--This urn in ddms:qualifier in ddms:type was invented to indicate that this document is an example. Not a real urn.-->
  <ddms:creator>
    <ddms:unknown>
      <ddms:name>DDMS Team</ddms:name>
    </ddms:unknown>
  </ddms:creator>
  <ddms:publisher>
    <ddms:organization>
      <ddms:name>Novetta</ddms:name>
    </ddms:organization>
  </ddms:publisher>
  <ddms:contributor>
    <ddms:organization ddms:acronym="NGA">
      <ddms:name>National Geospatial-Intelligence Agency</ddms:name>
    </ddms:organization>
  </ddms:contributor>
  <ddms:contributor>
    <ddms:person>
      <ddms:name>Dr. Paul</ddms:name>
      <ddms:surname>Birkel</ddms:surname>
      <ddms:affiliation>MITRE</ddms:affiliation>
      <ddms:affiliation>NGA</ddms:affiliation>
    </ddms:person>
  </ddms:contributor>
  <ddms:subjectCoverage>
    <ddms:keyword ddms:value="TSPI Two Number Address Range Example"/>
  </ddms:subjectCoverage>
```

```
<ddms:geospatialCoverage>
  <ddms:postalAddress>
    <tspi:TwoNumberAddressRange xmlns:tspi="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0">
      <addr:CompleteAddressNumber xmlns:addr="http://www.fgdc.gov/schema/address/addr">
        <addr_type:AddressNumber xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">47</addr_type:AddressNumber>
      </addr:CompleteAddressNumber>
      <addr:SeparatorElement xmlns:addr="http://www.fgdc.gov/schema/address/addr"> - </addr:SeparatorElement>
      <addr:CompleteAddressNumber xmlns:addr="http://www.fgdc.gov/schema/address/addr">
        <addr_type:AddressNumber xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">55</addr_type:AddressNumber>
      </addr:CompleteAddressNumber>
      <addr:CompleteStreetName xmlns:addr="http://www.fgdc.gov/schema/address/addr">
        <addr_type:StreetNamePreDirectional xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">East</addr_type:StreetNamePreDirectional>
        <addr_type:StreetName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">52nd</addr_type:StreetName>
        <addr_type:StreetNamePostType xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">Street</addr_type:StreetNamePostType>
      </addr:CompleteStreetName>
      <addr_type:CompletePlaceName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">
        <addr_type:PlaceName>McLean</addr_type:PlaceName>
      </addr_type:CompletePlaceName>
      <addr_type:StateName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">Virginia</addr_type:StateName>
      <addr_type:ZipCode xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">20102</addr_type:ZipCode>
      <addr_type:CountryName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">USA</addr_type:CountryName>
    </tspi:TwoNumberAddressRange>
  </ddms:postalAddress>
</ddms:geospatialCoverage>
</ddms:resource>
```

2.20 - USPSGeneralDeliveryOffice_DDMSExample1.xml

```
<!-- The intent of this example is to demonstrate the proper usage of the TSPI USPS General Delivery Office Address. It is indicative of a DDMS record
      that has been removed from an encompassing TDF/TDO and is intended solely as a stand alone example for the use of TSPI.--><ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:5"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../Schema/DDMS/DDMS-v5.xsd"><!-- IC-CIO Encoding Team replaced
xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../DDMS-v5.xsd" with path to the schema in the packaging we provide. -->
  <ddms:metacardInfo ism:classification="U" ism:ownerProducer="USA">
    <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
      ddms:value="DDMS5_TSPI_USPSGeneralDeliveryOffice_Example_1"/>
    <ddms:dates ddms:created="2013-01-02" ddms:posted="2013-01-03"/>
    <ddms:publisher>
      <ddms:unknown>
        <ddms:name>DDMS Team</ddms:name>
      </ddms:unknown>
    </ddms:publisher>
  </ddms:metacardInfo>
  <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
    ddms:value="DDMS5_TSPI_USPSGeneralDeliveryOffice_Example_1"/>
  <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ResourceID"
    ddms:value="http://examples/someReportWhereSomethingHappenedAtThisAddress.html"/>
  <!--Resource uri and qualifier do not exist. Only here to indicate that this DDMS record is referencing some external resource where something happened at the address given-->
  >
  <ddms:title ism:classification="U" ism:ownerProducer="USA">Report using an example of Time Space Position Information Standard using the Intersection Address: Example 1</ddms:title>
  <ddms:dates ddms:created="2013-01-02T06:29:33Z"/>
  <ddms:type ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:Examples:documentType"
    ddms:value="example"/>
  <!--This urn in ddms:qualifier in ddms:type was invented to indicate that this document is an example. Not a real urn.-->
  <ddms:creator>
    <ddms:unknown>
      <ddms:name>DDMS Team</ddms:name>
    </ddms:unknown>
  </ddms:creator>
  <ddms:publisher>
    <ddms:organization>
      <ddms:name>Novetta</ddms:name>
    </ddms:organization>
  </ddms:publisher>
  <ddms:contributor>
    <ddms:organization ddms:acronym="NGA">
      <ddms:name>National Geospatial-Intelligence Agency</ddms:name>
    </ddms:organization>
  </ddms:contributor>
  <ddms:contributor>
    <ddms:person>
      <ddms:name>Dr. Paul</ddms:name>
      <ddms:surname>Birkel</ddms:surname>
      <ddms:affiliation>MITRE</ddms:affiliation>
      <ddms:affiliation>NGA</ddms:affiliation>
    </ddms:person>
  </ddms:contributor>
  <ddms:subjectCoverage>
    <ddms:keyword ddms:value="TSPI USPS General Delivery Office Example"/>
  </ddms:subjectCoverage>
```

```

    <ddms:geospatialCoverage>
      <ddms:postalAddress>
        <tspi:USPSGeneralDeliveryOffice xmlns:tspi="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0"><!-- A central point where mail may be picked up by the addressee.
Two values are permitted: "General Delivery" (for post offices),
and ship's names (for overseas military addresses). -->
          <addr:USPSGeneralDeliveryPoint xmlns:addr="http://www.fgdc.gov/schema/address/addr">USS Carl Vinson</addr:USPSGeneralDeliveryPoint>
            <addr_type:CompletePlaceName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">
              <addr_type:PlaceName>McLean</addr_type:PlaceName>
            </addr_type:CompletePlaceName>
            <addr_type:StateName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">Virginia</addr_type:StateName>
            <addr_type:ZipCode xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">20102</addr_type:ZipCode>
            <addr_type:CountryName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">http://api.nsgreg.nga.mil/geo-political/GENC/3/ed1/USA</addr_type:CountryName>
            <!-- Country Name formatted according to the GENC standard. This is the complete resource URL version of the 3-Character code. The use of the short URN is the
currently recommended practice for representing a country code.-->
          </tspi:USPSGeneralDeliveryOffice>
        </ddms:postalAddress>
      </ddms:geospatialCoverage>
    </ddms:resource>
  </ddms:resource>
</ddms:resource>
```

2.21 - USPSPostalDeliveryBox_DDMSExample1.xml

```
<!-- The intent of this example is to demonstrate the proper usage of the TSPI USPS Postal Delivery Box Address. It is indicative of a DDMS record
      that has been removed from an encompassing TDF/TDO and is intended solely as a stand alone example for the use of TSPI.--><ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:5"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../Schema/DDMS/DDMS-v5.xsd"><!-- IC-CIO Encoding Team replaced
xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../DDMS-v5.xsd" with path to the schema in the packaging we provide. -->
  <ddms:metacardInfo ism:classification="U" ism:ownerProducer="USA">
    <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
      ddms:value="DDMS5_TSPI_USPSPostalDeliveryBox_Example_1"/>
    <ddms:dates ddms:created="2013-01-02" ddms:posted="2013-01-03"/>
    <ddms:publisher>
      <ddms:unknown>
        <ddms:name>DDMS Team</ddms:name>
      </ddms:unknown>
    </ddms:publisher>
  </ddms:metacardInfo>
  <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
    ddms:value="DDMS5_TSPI_USPSPostalDeliveryBox_Example_1"/>
  <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ResourceID"
    ddms:value="http://examples/someReportWhereSomethingHappenedAtThisAddress.html"/>
  <!--Resource uri and qualifier do not exist. Only here to indicate that this DDMS record is referencing some external resource where something happened at the address given-->
  >
  <ddms:title ism:classification="U" ism:ownerProducer="USA">Report using an example of Time Space Position Information Standard using the Intersection Address: Example 1</ddms:title>
  <ddms:dates ddms:created="2013-01-02T06:29:33Z"/>
  <ddms:type ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:Examples:documentType"
    ddms:value="example"/>
  <!--This urn in ddms:qualifier in ddms:type was invented to indicate that this document is an example. Not a real urn.-->
  <ddms:creator>
    <ddms:unknown>
      <ddms:name>DDMS Team</ddms:name>
    </ddms:unknown>
  </ddms:creator>
  <ddms:publisher>
    <ddms:organization>
      <ddms:name>Novetta</ddms:name>
    </ddms:organization>
  </ddms:publisher>
  <ddms:contributor>
    <ddms:organization ddms:acronym="NGA">
      <ddms:name>National Geospatial-Intelligence Agency</ddms:name>
    </ddms:organization>
  </ddms:contributor>
  <ddms:contributor>
    <ddms:person>
      <ddms:name>Dr. Paul</ddms:name>
      <ddms:surname>Birkel</ddms:surname>
      <ddms:affiliation>MITRE</ddms:affiliation>
      <ddms:affiliation>NGA</ddms:affiliation>
    </ddms:person>
  </ddms:contributor>
  <ddms:subjectCoverage>
    <ddms:keyword ddms:value="TSPI USPS Postal Delivery Box Example"/>
  </ddms:subjectCoverage>
```

```
<ddms:geospatialCoverage>
  <ddms:postalAddress>
    <tspi:USPSPostalDeliveryBox xmlns:tspi="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0">
      <addr:USPSBox xmlns:addr="http://www.fgdc.gov/schema/address/addr">
        <addr_type:USPSBoxType xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">PO Box</addr_type:USPSBoxType>
        <addr_type:USPSBoxId xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">74552</addr_type:USPSBoxId>
      </addr:USPSBox>
      <addr_type:CompletePlaceName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">
        <addr_type:PlaceName>McLean</addr_type:PlaceName>
      </addr_type:CompletePlaceName>
      <addr_type:StateName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">Virginia</addr_type:StateName>
      <addr_type:ZipCode xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">20102</addr_type:ZipCode>
      <addr_type:CountryName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">geo-political:GENC:3:ed1:USA</addr_type:CountryName>
      <!-- Country Name formatted according to the GENC standard. This is the full version of URN for the 3-Character code. The use of the short URN is the
        currently recommended practice for representing a country code.-->
    </tspi:USPSPostalDeliveryBox>
  </ddms:postalAddress>
</ddms:geospatialCoverage>
</ddms:resource>
```

2.22 - USPSPostalDeliveryRoute_DDMSExample1.xml

```
<!-- The intent of this example is to demonstrate the proper usage of the TSPI USPS Postal Delivery Route Address. It is indicative of a DDMS record
      that has been removed from an encompassing TDF/TDO and is intended solely as a stand alone example for the use of TSPI.--><ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:5"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../Schema/DDMS/DDMS-v5.xsd"><!-- IC-CIO Encoding Team replaced
xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../DDMS-v5.xsd" with path to the schema in the packaging we provide. -->
  <ddms:metacardInfo ism:classification="U" ism:ownerProducer="USA">
    <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
      ddms:value="DDMS5_TSPI_USPSPostalDeliveryRoute_Example_1"/>
    <ddms:dates ddms:created="2013-01-02" ddms:posted="2013-01-03"/>
    <ddms:publisher>
      <ddms:unknown>
        <ddms:name>DDMS Team</ddms:name>
      </ddms:unknown>
    </ddms:publisher>
  </ddms:metacardInfo>
  <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
    ddms:value="DDMS5_TSPI_USPSPostalDeliveryRoute_Example_1"/>
  <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ResourceID"
    ddms:value="http://examples/someReportWhereSomethingHappenedAtThisAddress.html"/>
  <!--Resource uri and qualifier do not exist. Only here to indicate that this DDMS record is referencing some external resource where something happened at the address given-->
  >
  <ddms:title ism:classification="U" ism:ownerProducer="USA">Report using an example of Time Space Position Information Standard using the Intersection Address: Example 1</ddms:title>
  <ddms:dates ddms:created="2013-01-02T06:29:33Z"/>
  <ddms:type ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:Examples:documentType"
    ddms:value="example"/>
  <!--This urn in ddms:qualifier in ddms:type was invented to indicate that this document is an example. Not a real urn.-->
  <ddms:creator>
    <ddms:unknown>
      <ddms:name>DDMS Team</ddms:name>
    </ddms:unknown>
  </ddms:creator>
  <ddms:publisher>
    <ddms:organization>
      <ddms:name>Novetta</ddms:name>
    </ddms:organization>
  </ddms:publisher>
  <ddms:contributor>
    <ddms:organization ddms:acronym="NGA">
      <ddms:name>National Geospatial-Intelligence Agency</ddms:name>
    </ddms:organization>
  </ddms:contributor>
  <ddms:contributor>
    <ddms:person>
      <ddms:name>Dr. Paul</ddms:name>
      <ddms:surname>Birkel</ddms:surname>
      <ddms:affiliation>MITRE</ddms:affiliation>
      <ddms:affiliation>NGA</ddms:affiliation>
    </ddms:person>
  </ddms:contributor>
  <ddms:subjectCoverage>
    <ddms:keyword ddms:value="TSPI USPS Postal Delivery Route Example"/>
  </ddms:subjectCoverage>
```

```
<ddms:geospatialCoverage>
  <ddms:postalAddress>
    <tspi:USPSPostalDeliveryRoute xmlns:tspi="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0">
      <addr:USPSAddress xmlns:addr="http://www.fgdc.gov/schema/address/addr">
        <addr_type:USPSRoute xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type"><!-- Unit (Overseas military postal address) -->
<addr_type:USPSBoxGroupType>Unit</addr_type:USPSBoxGroupType>
          <addr_type:USPSBoxGroupId>475</addr_type:USPSBoxGroupId>
        </addr_type:USPSRoute>
        <addr_type:USPSBox xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">
          <addr_type:USPSBoxType>Box</addr_type:USPSBoxType>
          <addr_type:USPSBoxId>690</addr_type:USPSBoxId>
        </addr_type:USPSBox>
      </addr:USPSAddress>
      <addr_type:CompletePlaceName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">
        <addr_type:PlaceName>McLean</addr_type:PlaceName>
      </addr_type:CompletePlaceName>
      <addr_type:StateName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">Virginia</addr_type:StateName>
      <addr_type:ZipCode xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">20102</addr_type:ZipCode>
      <addr_type:CountryName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">ge:GENC:3:ed1:USA</addr_type:CountryName>
      <!-- Country Name formatted according to the GENC standard. This is the short version of the URN for the 3-Character code. The use of the short URN is the
        currently recommended practice for representing a country code.-->
    </tspi:USPSPostalDeliveryRoute>
  </ddms:postalAddress>
</ddms:geospatialCoverage>
</ddms:resource>
```

2.23 - UnnumberedThoroughfareAddress_DDMSExample1.xml

```
<!-- The intent of this example is to demonstrate the proper usage of the TSPI Unnumbered Thoroughfare Address. It is indicative of a DDMS record
      that has been removed from an encompassing TDF/TDO and is intended solely as a stand alone example for the use of TSPI.--><ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:5"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../Schema/DDMS/DDMS-v5.xsd"><!-- IC-CIO Encoding Team replaced
xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../DDMS-v5.xsd" with path to the schema in the packaging we provide. -->
  <ddms:metacardInfo ism:classification="U" ism:ownerProducer="USA">
    <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
      ddms:value="DDMS5_TSPI_UnnumberedThoroughfareAddress_Example_1"/>
    <ddms:dates ddms:created="2013-01-02" ddms:posted="2013-01-03"/>
    <ddms:publisher>
      <ddms:unknown>
        <ddms:name>DDMS Team</ddms:name>
      </ddms:unknown>
    </ddms:publisher>
  </ddms:metacardInfo>
  <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
    ddms:value="DDMS5_TSPI_UnnumberedThoroughfareAddress_Example_1"/>
  <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ResourceID"
    ddms:value="http://examples/someReportWhereSomethingHappenedAtThisAddress.html"/>
  <!--Resource uri and qualifier do not exist. Only here to indicate that this DDMS record is referencing some external resource where something happened at the address given-->
  >
  <ddms:title ism:classification="U" ism:ownerProducer="USA">Report using an example of Time Space Position Information Standard using the Intersection Address: Example 1</ddms:title>
  <ddms:dates ddms:created="2013-01-02T06:29:33Z"/>
  <ddms:type ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:Examples:documentType"
    ddms:value="example"/>
  <!--This urn in ddms:qualifier in ddms:type was invented to indicate that this document is an example. Not a real urn.-->
  <ddms:creator>
    <ddms:unknown>
      <ddms:name>DDMS Team</ddms:name>
    </ddms:unknown>
  </ddms:creator>
  <ddms:publisher>
    <ddms:organization>
      <ddms:name>Novetta</ddms:name>
    </ddms:organization>
  </ddms:publisher>
  <ddms:contributor>
    <ddms:organization ddms:acronym="NGA">
      <ddms:name>National Geospatial-Intelligence Agency</ddms:name>
    </ddms:organization>
  </ddms:contributor>
  <ddms:contributor>
    <ddms:person>
      <ddms:name>Dr. Paul</ddms:name>
      <ddms:surname>Birkel</ddms:surname>
      <ddms:affiliation>MITRE</ddms:affiliation>
      <ddms:affiliation>NGA</ddms:affiliation>
    </ddms:person>
  </ddms:contributor>
  <ddms:subjectCoverage>
    <ddms:keyword ddms:value="TSPI Unnumbered Thoroughfare Address Example"/>
  </ddms:subjectCoverage>
```

```
<ddms:geospatialCoverage>
  <ddms:postalAddress>
    <tspi:UnnumberedThoroughfareAddress xmlns:tspi="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0">
      <addr:CompleteStreetName xmlns:addr="http://www.fgdc.gov/schema/address/addr">
        <addr_type:StreetNamePreDirectional xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">East</addr_type:StreetNamePreDirectional>
        <addr_type:StreetName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">52nd</addr_type:StreetName>
        <addr_type:StreetNamePostType xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">Street</addr_type:StreetNamePostType>
      </addr:CompleteStreetName>
      <addr_type:CompletePlaceName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">
        <addr_type:PlaceName>McLean</addr_type:PlaceName>
      </addr_type:CompletePlaceName>
      <addr_type:StateName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">Virginia</addr_type:StateName>
      <addr_type:ZipCode xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">20102</addr_type:ZipCode>
      <addr_type:CountryName xmlns:addr_type="http://www.fgdc.gov/schema/address/addr_type">ge:GENC:n:ed1:840</addr_type:CountryName>
      <!-- Country Name formatted according to the GENC standard. This is the short version of the URN for the numeric code. The use of the short URN is the
        currently recommended practice for representing a country code.-->
    </tspi:UnnumberedThoroughfareAddress>
  </ddms:postalAddress>
</ddms:geospatialCoverage>
</ddms:resource>
```

2.24 - ddms4-s-and-ts.xml

```
<ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:4"
               xmlns:ntk="urn:us:gov:ic:ntk"
               ism:compliesWith="USGov USIC"
               ism:DESVersion="9"
               ntk:DESVersion="7"
               ism:resourceElement="true"
               ism:createDate="2012-03-30"
               ism:classification="S"
               ism:ownerProducer="USA"
               ism:derivativelyClassifiedBy="1234"
               ism:disseminationControls="RELIDO"
               ism:derivedFrom="SomeClassGuide"
               ism:declassDate="2037-12-01">
  <ddms:metacardInfo ism:classification="U" ism:ownerProducer="USA">
    <ddms:identifier ddms:qualifier="IC-ID"
                    ddms:value="guide://9990/4A07150C-CD51-11E0-B0DC-FF99F5AFA469"/>
    <ddms:dates ddms:created="2012-03-30"/>
    <ddms:publisher>
      <ddms:organization>
        <ddms:name>IC-CIO</ddms:name>
      </ddms:organization>
    </ddms:publisher>
  </ddms:metacardInfo>
  <ddms:identifier ddms:qualifier="IC-ID"
                  ddms:value="guide://9990/4A07150C-CD51-11E0-B0DC-FF99F5AFA470"/>
  <ddms:dates ddms:created="2011-08-23T06:29:33Z"/>
  <ddms:type ddms:qualifier="urn:us:gov:ic:irm:maliciouscodeindicator"
            ddms:value="Unevaluated"/>
  <ddms:type ddms:qualifier="urn:us:gov:ic:irm:executableindicator"
            ddms:value="Unevaluated"/>
  <ddms:type ddms:qualifier="urn:us:gov:ic:cvenum:authorizationreference"
            ddms:value="0000EF"/>
  <ddms:creator>
    <ddms:organization ddms:acronym="NSA">
      <ddms:name>NSA</ddms:name>
    </ddms:organization>
  </ddms:creator>
  <ddms:security ism:classification="TS"
                ism:ownerProducer="USA"
                ism:disseminationControls="FISA"
                ism:SCIcontrols="SI"
                ism:derivativelyClassifiedBy="1.4(c)"
                ism:derivedFrom="multipleSources"
                ism:excludeFromRollup="true">
    <ddms:noticeList ism:classification="U" ism:ownerProducer="USA">
      <ism:Notice ism:noticeType="FISA"
                 ism:classification="S"
                 ism:ownerProducer="USA"
                 ism:disseminationControls="RELIDO"
                 ism:externalNotice="true">
        <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">
          Fictionally Secret RELIDO FISA Notice Text
        </ism:NoticeText>
      </ism:Notice>
    </ddms:noticeList>
  </ddms:security>
</ddms:resource>
```

```

    </ism:NoticeText>
    </ism:Notice>
  </ddms:noticeList>
  <ntk:Access ism:classification="U"
             ism:ownerProducer="USA"
             ntk:externalReference="true">
    <ntk:AccessProfileList>
      <ntk:AccessProfile ism:classification="U" ism:ownerProducer="USA">
        <ntk:AccessSystemName>IC_Cloud</ntk:AccessSystemName>
        <ntk:AccessProfileValue ntk:vocabulary="LAC">FAA_702_CP</ntk:AccessProfileValue>
        <ntk:AccessProfileValue ntk:vocabulary="MAF">SIGINT</ntk:AccessProfileValue>
        <ntk:AccessProfileValue ntk:vocabulary="RGT">A</ntk:AccessProfileValue>
      </ntk:AccessProfile>
    </ntk:AccessProfileList>
  </ntk:Access>
</ddms:security>
</ddms:resource>

```

2.25 - ddms5-s-and-ts(xform).xml

```
<TrustedDataObject xmlns="urn:us:gov:ic:tdf"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:tdf="urn:us:gov:ic:tdf"
    xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../../Schema/DDMS/DDMS-v5.xsd urn:us:gov:ic:tdf ../../Schema/IC-TDF/IC-TDF.xsd"
    tdf:version="testversion">
  <tdf:HandlingAssertion tdf:scope="TDO">
    <tdf:HandlingStatement>
      <edh:Edh xmlns:edh="urn:us:gov:ic:edh"
        xmlns:arh="urn:us:gov:ic:arh"
        xmlns:ntk="urn:us:gov:ic:ntk"
        ism:ISMATCESVersion="201709"
        edh:DESVersion="1"
        arh:DESVersion="1"
        ism:DESVersion="9"
        ntk:DESVersion="7">
        <edh:Identifier>uuid:test:D8665F83-279E-11E2-1471-09173F13E4C5</edh:Identifier>
        <edh:DataItemCreateDateTime>2012-11-05T18:16:36.344-05:00</edh:DataItemCreateDateTime>
        <edh:ResponsibleEntity edh:role="Custodian">
          <edh:Country>USA</edh:Country>
          <edh:Organization>Non-ExistantOrganizationForTestingPurposes</edh:Organization>
        </edh:ResponsibleEntity>
        <arh:Security ism:compliesWith="USGov USIC"
          ism:DESVersion="9"
          ism:resourceElement="true"
          ism:createDate="2012-03-30"
          ism:classification="S"
          ism:ownerProducer="USA"
          ism:derivativelyClassifiedBy="1234"
          ism:disseminationControls="RELIDO"
          ism:derivedFrom="SomeClassGuide"
          ism:declassDate="2037-12-01"/>
        </edh:Edh>
      </tdf:HandlingStatement>
    </tdf:HandlingAssertion>
    <tdf:HandlingAssertion tdf:scope="PAYL">
      <tdf:HandlingStatement>
        <ExternalEdh xmlns="urn:us:gov:ic:edh">
          <edh:Identifier xmlns:edh="urn:us:gov:ic:edh">guide://9990/4A07150C-CD51-11E0-B0DC-FF99F5AFA470</edh:Identifier>
          <edh:DataItemCreateDateTime xmlns:edh="urn:us:gov:ic:edh">2011-08-23T06:29:33Z</edh:DataItemCreateDateTime>
          <edh:ResponsibleEntity xmlns:edh="urn:us:gov:ic:edh" edh:role="Custodian">
            <edh:Country>USA</edh:Country>
            <edh:Organization>NSA</edh:Organization>
          </edh:ResponsibleEntity>
          <ExternalSecurity xmlns="urn:us:gov:ic:arh"
            ism:classification="TS"
            ism:ownerProducer="USA"
            ism:disseminationControls="FISA"
            ism:SCIcontrols="SI"
            ism:derivativelyClassifiedBy="1.4(c)"
            ism:derivedFrom="multipleSources"
            ism:excludeFromRollup="true">
            <ExternalAccess xmlns="urn:us:gov:ic:ntk">
```

```

        xmlns:ntk="urn:us:gov:ic:ntk"
        ntk:externalReference="true"
        ism:classification="U"
        ism:ownerProducer="USA">
    <ntk:AccessProfileList>
        <ntk:AccessProfile ism:classification="U" ism:ownerProducer="USA">
            <ntk:AccessSystemName>IC_Cloud</ntk:AccessSystemName>
            <ntk:AccessProfileValue ntk:vocabulary="LAC">FAA_702_CP</ntk:AccessProfileValue>
            <ntk:AccessProfileValue ntk:vocabulary="MAF">SIGINT</ntk:AccessProfileValue>
            <ntk:AccessProfileValue ntk:vocabulary="RGT">A</ntk:AccessProfileValue>
        </ntk:AccessProfile>
    </ntk:AccessProfileList>
</ExternalAccess>
<NoticeExternalList xmlns="urn:us:gov:ic:ism"
    ism:classification="U"
    ism:ownerProducer="USA">
    <NoticeExternal ism:externalNotice="true"
        ism:noticeType="FISA"
        ism:classification="S"
        ism:ownerProducer="USA"
        ism:disseminationControls="RELIDO">
        <ism:NoticeText ism:classification="U" ism:ownerProducer="USA">
            Fictionally Secret RELIDO FISA Notice Text
        </ism:NoticeText>
    </NoticeExternal>
</NoticeExternalList>
</ExternalSecurity>
</ExternalEdh>
</tdf:HandlingStatement>
</tdf:HandlingAssertion>
<tdf:Assertion tdf:scope="PAYL" tdf:type="DISCOVERY">
    <tdf:StatementMetadata>
        <edh:Edh xmlns:edh="urn:us:gov:ic:edh"
            xmlns:arh="urn:us:gov:ic:arh"
            xmlns:ntk="urn:us:gov:ic:ntk"
            ism:ISMCAICESVersion="201709"
            edh:DESVersion="1"
            arh:DESVersion="1"
            ism:DESVersion="9"
            ntk:DESVersion="7">
        <edh:Identifier>guide://9990/4A07150C-CD51-11E0-B0DC-FF99F5AFA469</edh:Identifier>
        <edh:DataItemCreateDateTime>2012-03-30T00:00:00Z</edh:DataItemCreateDateTime>
        <edh:ResponsibleEntity edh:role="Custodian">
            <edh:Country>USA</edh:Country>
            <edh:Organization>IC-CIO</edh:Organization>
        </edh:ResponsibleEntity>
        <arh:Security ism:compliesWith="USGov USIC"
            ism:DESVersion="9"
            ism:resourceElement="true"
            ism:createDate="2012-03-30"
            ism:classification="S"
            ism:ownerProducer="USA"
            ism:derivativelyClassifiedBy="1234"
            ism:disseminationControls="RELIDO"

```

```

        ism:derivedFrom="SomeClassGuide"
        ism:declassDate="2037-12-01"/>
    </edh:Edh>
</tdf:StatementMetadata>
<tdf:StructuredStatement>
    <ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:5">
        <ddms:metacardInfo ism:classification="U" ism:ownerProducer="USA">
            <ddms:identifier ddms:qualifier="IC-ID"
                ddms:value="guide://9990/4A07150C-CD51-11E0-B0DC-FF99F5AFA469"/>
            <ddms:dates ddms:created="2012-03-30"/>
            <ddms:publisher>
                <ddms:organization>
                    <ddms:name>IC-CIO</ddms:name>
                </ddms:organization>
            </ddms:publisher>
        </ddms:metacardInfo>
        <ddms:identifier ddms:qualifier="IC-ID"
            ddms:value="guide://9990/4A07150C-CD51-11E0-B0DC-FF99F5AFA470"/>
        <ddms:dates ddms:created="2011-08-23T06:29:33Z"/>
        <ddms:type ddms:qualifier="urn:us:gov:ic:irm:maliciouscodeindicator"
            ddms:value="Unevaluated"/>
        <ddms:type ddms:qualifier="urn:us:gov:ic:irm:executableindicator"
            ddms:value="Unevaluated"/>
        <ddms:type ddms:qualifier="urn:us:gov:ic:cenum:authorizationreference"
            ddms:value="0000EF"/>
        <ddms:creator>
            <ddms:organization ddms:acronym="NSA">
                <ddms:name>NSA</ddms:name>
            </ddms:organization>
        </ddms:creator>
    </ddms:resource>
</tdf:StructuredStatement>
</tdf:Assertion>
<ReferenceValuePayload tdf:uri=""/>
</TrustedDataObject>
```

2.26 - IC-TDC-USING-DDMS-2D-TSPI-Example-TDOs.xml

```
<!-- The intent of this example is to demonstrate the inclusion of a DDMS record as a discovery assertion within a TDC using two previous TDO examples.
      For validation and compliance testing the instructions in the IC-TDF Specification (at a minimum, section 1.9.6 TDC Validation Steps) must be followed. --><?xml-model href="../../../Schematron/IC-TDF/IC-TDF_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/IC-EDH/IC-EDH_XML.sch" type="application/xml"
schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/ISM/ISM_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model
href="../../../Schematron/ARH/ARH_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"?><TrustedDataCollection xmlns="urn:us:gov:ic:tdf"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xmlns:tdf="urn:us:gov:ic:tdf"
      xsi:schemaLocation="urn:us:gov:ic:tdf ../../Schema/IC-TDF/IC-TDF.xsd"
      tdf:version="2">
  <tdf:HandlingAssertion tdf:scope="TDC">
    <tdf:HandlingStatement>
      <edh:Edh xmlns:edh="urn:us:gov:ic:edh"
        xmlns:arh="urn:us:gov:ic:arh"
        xmlns:ntk="urn:us:gov:ic:ntk"
        ism:ISMCAICESVersion="201709"
        edh:DESVersion="2"
        arh:DESVersion="2"
        ism:DESVersion="10"
        ntk:DESVersion="8">
        <edh:Identifier>Guide://0002/EdhExample</edh:Identifier>
        <edh:DataItemCreateDateTime>2012-05-29T09:00:00Z</edh:DataItemCreateDateTime>
        <edh:ResponsibleEntity edh:role="Custodian">
          <edh:Country>USA</edh:Country>
          <edh:Organization>DNI</edh:Organization>
        </edh:ResponsibleEntity>
        <arh:Security ism:compliesWith="USGov USIC"
          ism:resourceElement="true"
          ism:createDate="2012-05-29"
          ism:classification="U"
          ism:ownerProducer="USA"/>
        </edh:Edh>
      </tdf:HandlingStatement>
    </tdf:HandlingAssertion>
    <tdf:Assertion tdf:scope="TDC">
      <tdf:StringStatement>
        I am an example assertion about this TDC
      </tdf:StringStatement>
    </tdf:Assertion>
    <tdf:Assertion tdf:scope="DESC_TDO">
      <tdf:StringStatement>I can make some assertion here and because I chose DESC_TDO it will apply to all child TDOs that follow</tdf:StringStatement>
    </tdf:Assertion>
    <TrustedDataObject xsi:schemaLocation="urn:us:gov:ic:tdf ../../Schema/IC-TDF/IC-TDF.xsd"
      tdf:version="2">
      <tdf:HandlingAssertion tdf:scope="TDO">
        <tdf:HandlingStatement>
          <edh:Edh xmlns:edh="urn:us:gov:ic:edh"
            xmlns:arh="urn:us:gov:ic:arh"
            ism:ISMCAICESVersion="201709"
            arh:DESVersion="2"
            ism:DESVersion="9"
            edh:DESVersion="2">
```

```
<edh:Identifier>TDF_TDO_DDMS_5_Example0001</edh:Identifier>
<edh:DataItemCreateDateTime>2013-01-02T03:56:00Z</edh:DataItemCreateDateTime>
<edh:ResponsibleEntity edh:role="Custodian">
  <edh:Country>USA</edh:Country>
  <edh:Organization>DDMS_Team_Novetta</edh:Organization>
</edh:ResponsibleEntity>
<arh:Security ism:compliesWith="USGov USIC"
  ism:classification="U"
  ism:ownerProducer="USA"
  ism:resourceElement="true"
  ism:createDate="2013-01-02"/>
</edh:Edh>
</tdf:HandlingStatement>
</tdf:HandlingAssertion>
<tdf:HandlingAssertion tdf:scope="PAYL">
  <tdf:HandlingStatement>
    <edh:ExternalEdh xmlns:edh="urn:us:gov:ic:edh">
      <edh:Identifier>somePayloadIdentifierHere</edh:Identifier>
      <edh:DataItemCreateDateTime>2012-12-12T16:00:00Z</edh:DataItemCreateDateTime>
      <edh:ResponsibleEntity edh:role="Custodian">
        <edh:Country>USA</edh:Country>
        <edh:Organization>DDMS_TEAM_NOVETTA</edh:Organization>
      </edh:ResponsibleEntity>
      <arh:ExternalSecurity xmlns:arh="urn:us:gov:ic:arh"
        ism:classification="U"
        ism:ownerProducer="USA"
        ism:excludeFromRollup="true"/>
    </edh:ExternalEdh>
  </tdf:HandlingStatement>
</tdf:HandlingAssertion>
<tdf:Assertion tdf:scope="PAYL" tdf:type="discovery">
  <tdf:StatementMetadata>
    <arh:Security xmlns:arh="urn:us:gov:ic:arh"
      ism:compliesWith="USGov USIC"
      ism:resourceElement="true"
      ism:createDate="2013-01-02"
      ism:classification="U"
      ism:ownerProducer="USA"/>
  </tdf:StatementMetadata>
  <tdf:StructuredStatement>
    <ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:5"
      xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../../Schema/DDMS/DDMS-v5.xsd"><!-- IC-CIO Encoding Team replaced
xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../../DDMS-v5.xsd" with path to the schema in the packaging we provide. -->
    <ddms:metacardInfo ism:classification="U" ism:ownerProducer="USA">
      <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
        ddms:value="DDMS5_TSPI_Geodetic_2D_Plus_Vertical_Point_Sexagesimal_Example_1"/>
      <ddms:dates ddms:created="2012-12-28"/>
      <ddms:publisher>
        <ddms:unknown>
          <ddms:name>DDMS Team</ddms:name>
        </ddms:unknown>
      </ddms:publisher>
    </ddms:metacardInfo>
    <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
```

```
Sexagesimal Point: Example 1
    ddms:value="DDMS5_TSPI_Geodetic_2D_Plus_Vertical_Point_Sexagesimal_Example_1"/>
<ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:TDF:TDO"
    ddms:value="http://someLinkHereToThePayload.html"/>
<ddms:title ism:classification="U" ism:ownerProducer="USA">An example of Time Space Position Information Standard using a Compound Geodetic 2D + Vertical CRS and
    </ddms:title>
<ddms:dates ddms:created="2012-12-28T06:29:33Z"/>
<ddms:type ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:Examples:documentType"
    ddms:value="example"/>
<!--This urn in ddms:qualifier in ddms:type was invented to indicate that this document is an example. Not a real urn.-->
<ddms:creator>
    <ddms:unknown>
        <ddms:name>DDMS Team</ddms:name>
    </ddms:unknown>
</ddms:creator>
<ddms:contributor>
    <ddms:organization ddms:acronym="NGA">
        <ddms:name>National Geospatial-Intelligence Agency</ddms:name>
    </ddms:organization>
</ddms:contributor>
<ddms:subjectCoverage>
    <ddms:keyword ddms:value="Point Example"/>
</ddms:subjectCoverage>
<ddms:geospatialCoverage>
    <ddms:boundingGeometry>
        <tspi:Point xmlns:tspi="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0"
            xmlns:gml="http://www.opengis.net/gml/3.2"
            gml:id="PointCompoundGeodetic2DVertSexagesimalExample"
            srsDimension="3"
            srsName="http://metadata.ces.mil/mdr/ns/GSIP/crs/WGS84E_MSL_H"><!--srsName identifies that we are using the GSIP-registered WGS84E crs for the
lat/lon and MSL with a height value (as opposed to depth)
This comprises the Compound Geodetic 2D + Vertical CRS portion of the example (see section 5.3.2.7 of the TSPI Standard for further information.)
[Note: according to the TSPI standard the use of MSL has been deemed a deprecated practice in favor of EGM. The use of EGM 96 is a recommended
practice and the use of EGM 08 is an emerging practice. (See sections 5.3.2.7.2, 5.3.2.7.3, and 5.3.2.7.4 of the TSPI Standard for further information.)]--><!--the position
is lat:53.8093938 and lon:-2.12955 with height:4572m MSL-->
        <gml:pos>53.8093938 -2.12955 4572</gml:pos>
        <tspi-core:horizResolutionCategory xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core">arcMillisecond</tspi-core:horizResolutionCategory>
        <tspi-core:vertResolutionCategory xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core">hectofoot</tspi-core:vertResolutionCategory>
        <!-- The horizontal and vertical presentation portion shows the same position on the earth (above the earth, really) in a human-friendly
representation, specifically sexagesimal with altitude in feet MSL. When put together this would read: 53°48'33.818"N 2°7'46.380"E at
an altitude of 15,000 feet MSL-->
        <tspi-core:horizPresentation xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core"
            srsName="http://metadata.ces.mil/mdr/ns/GSIP/crs/WGS84E_2D">
            <tspi-core:sexagesimalLocation>
                <tspi-core:geoDegree>
                    <tspi-core:latitude>53</tspi-core:latitude>
                    <tspi-core:longitude>2</tspi-core:longitude>
                </tspi-core:geoDegree>
                <tspi-core:geoMinute>
                    <tspi-core:latitude>48</tspi-core:latitude>
                    <tspi-core:longitude>7</tspi-core:longitude>
                </tspi-core:geoMinute>
                <tspi-core:geoSecond>
                    <tspi-core:latitude>33</tspi-core:latitude>
                    <tspi-core:longitude>46</tspi-core:longitude>
```

```

        </tspi-core:geoSecond>
        <tspi-core:geoSecondFraction>
            <tspi-core:millisecond>
                <tspi-core:latitude>818</tspi-core:latitude>
                <tspi-core:longitude>380</tspi-core:longitude>
            </tspi-core:millisecond>
        </tspi-core:geoSecondFraction>
        <tspi-core:geoLatHemisphere>north</tspi-core:geoLatHemisphere>
        <tspi-core:geoLongHemisphere>east</tspi-core:geoLongHemisphere>
    </tspi-core:sexagesimalLocation>
</tspi-core:horizPresentation>
<tspi-core:vertPresentation xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core"
    srsName="http://metadata.ces.mil/mdr/ns/GSIP/crs/MSL_H">
    <tspi-core:altitude uom="http://metadata.ces.mil/mdr/ns/GSIP/uom/length/foot">15000</tspi-core:altitude>
</tspi-core:vertPresentation>
</tspi:Point>
</ddms:boundingGeometry>
</ddms:geospatialCoverage>
</ddms:resource>
</tdf:StructuredStatement>
</tdf:Assertion>
<tdf:ReferenceValuePayload tdf:uri="http://someLinkHereToThePayload.html"/>
</TrustedDataObject>
<TrustedDataObject xsi:schemaLocation="urn:us:gov:ic:tdf ../../../../../../TrustedDataObjectFiles/IC-TDFFOUO/IC-TDF/Schema/IC-TDF/IC-TDF.xsd"
    tdf:version="2">
    <tdf:HandlingAssertion tdf:scope="TDO">
        <tdf:HandlingStatement>
            <edh:Edh xmlns:edh="urn:us:gov:ic:edh"
                xmlns:arh="urn:us:gov:ic:arh"
                ism:ISMCATCESVersion="201709"
                arh:DESVersion="2"
                ism:DESVersion="9"
                edh:DESVersion="2">
                <edh:Identifier>TDF_TDO_DDMS_5_Example0002</edh:Identifier>
                <edh:DataItemCreateDateTime>2013-01-02T03:56:00Z</edh:DataItemCreateDateTime>
                <edh:ResponsibleEntity edh:role="Custodian">
                    <edh:Country>USA</edh:Country>
                    <edh:Organization>DDMS_Team_Novetta</edh:Organization>
                </edh:ResponsibleEntity>
                <arh:Security ism:compliesWith="USGov USIC"
                    ism:classification="U"
                    ism:ownerProducer="USA"
                    ism:resourceElement="true"
                    ism:createDate="2013-01-02"/>
            </edh:Edh>
        </tdf:HandlingStatement>
    </tdf:HandlingAssertion>
    <tdf:HandlingAssertion tdf:scope="PAYL">
        <tdf:HandlingStatement>
            <edh:ExternalEdh xmlns:edh="urn:us:gov:ic:edh">
                <edh:Identifier>somePayloadIdentifierHere</edh:Identifier>
                <edh:DataItemCreateDateTime>2012-12-12T16:00:00Z</edh:DataItemCreateDateTime>
                <edh:ResponsibleEntity edh:role="Custodian">
                    <edh:Country>USA</edh:Country>

```

```

        <edh:Organization>DDMS_TEAM_NOVETTA</edh:Organization>
    </edh:ResponsibleEntity>
    <arh:ExternalSecurity xmlns:arh="urn:us:gov:ic:arh"
        ism:classification="U"
        ism:ownerProducer="USA"
        ism:excludeFromRollup="true"/>

    </edh:ExternalEdh>
</tdf:HandlingStatement>
</tdf:HandlingAssertion>
<tdf:Assertion tdf:scope="PAYL" tdf:type="discovery">
    <tdf:StatementMetadata>
        <arh:Security xmlns:arh="urn:us:gov:ic:arh"
            ism:compliesWith="USGov USIC"
            ism:resourceElement="true"
            ism:createDate="2013-01-02"
            ism:classification="U"
            ism:ownerProducer="USA"/>
    </tdf:StatementMetadata>
    <tdf:StructuredStatement>
        <ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:5"
            xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../../Schema/DDMS/DDMS-v5.xsd"><!-- IC-CIO Encoding Team replaced
xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../DDMS-v5.xsd" with path to the schema in the packaging we provide. -->
        <ddms:metacardInfo ism:classification="U" ism:ownerProducer="USA">
            <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
                ddms:value="DDMS5_TSPI_Geodetic_2D_Polygon_Zone-Metre_Example_1"/>
            <ddms:dates ddms:created="2013-01-01" ddms:posted="2013-01-03"/>
            <ddms:publisher>
                <ddms:unknown>
                    <ddms:name>DDMS Team</ddms:name>
                </ddms:unknown>
            </ddms:publisher>
        </ddms:metacardInfo>
        <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
            ddms:value="DDMS5_TSPI_Geodetic_2D_Polygon_Zone-Metre_Example_1"/>
        <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:TDF:TDO"
            ddms:value="http://someLinkHereToThePayload.html"/>
        <ddms:title ism:classification="U" ism:ownerProducer="USA">An example of Time Space Position Information Standard using a Geodetic 2D Polygon and Zone-Metre
presentation: Example 1</ddms:title>
        <ddms:dates ddms:created="2013-01-01T06:29:33Z"/>
        <ddms:type ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:Examples:documentType"
            ddms:value="example"/>
        <!--This urn in ddms:qualifier in ddms:type was invented to indicate that this document is an example. Not a real urn.-->
    <ddms:creator>
        <ddms:unknown>
            <ddms:name>DDMS Team</ddms:name>
        </ddms:unknown>
    </ddms:creator>
    <ddms:publisher>
        <ddms:organization>
            <ddms:name>Novetta</ddms:name>
        </ddms:organization>
    </ddms:publisher>
    <ddms:contributor>
        <ddms:organization ddms:acronym="NGA">
```

```

        <ddms:name>National Geospatial-Intelligence Agency</ddms:name>
      </ddms:organization>
    </ddms:contributor>
    <ddms:contributor>
      <ddms:person>
        <ddms:name>Dr. Paul</ddms:name>
        <ddms:surname>Birkel</ddms:surname>
        <ddms:affiliation>MITRE</ddms:affiliation>
        <ddms:affiliation>NGA</ddms:affiliation>
      </ddms:person>
    </ddms:contributor>
    <ddms:subjectCoverage>
      <ddms:keyword ddms:value="TSPI 2D Polygon and Zone-Metre presentation Example"/>
    </ddms:subjectCoverage>
    <ddms:geospatialCoverage>
      <ddms:boundingGeometry>
        <tspi:Polygon xmlns:tspi="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0"
          xmlns:gml="http://www.opengis.net/gml/3.2"
          gml:id="PolygonGeodetic2DZoneMetreExample"
          srsName="http://metadata.ces.mil/mdr/ns/GSIP/crs/WGS84E_2D"><!-- This polygon represents a 'donut' shape (though, in this case rectangular
rather than circular) with an exterior
ring defining the outside of the shape and an interior ring defining the internal "cut-out" of the donut hole.-->
          <gml:exterior>
            <gml:LinearRing><!-- This is the exterior ring of the shape defined using 4 points. The final "gml:pos" is a repetition
of the first point, explicitly closing the outer ring of the polygon.-->
              <gml:pos>51.0667 -1.8</gml:pos>
              <gml:pos>52.0 -1.75</gml:pos>
              <gml:pos>52.75 -1.2</gml:pos>
              <gml:pos>51.25 -1.4667</gml:pos>
              <gml:pos>51.0667 -1.8</gml:pos>
            </gml:LinearRing>
          </gml:exterior>
          <gml:interior><!-- This is the interior ring of the shape, effectively defining the donut-hole cutout, using 4 points. The
final "gml:pos" is a repetition of the first point, explicitly closing the inner ring of the polygon.-->
            <gml:LinearRing>
              <gml:pos>51.19 -1.78</gml:pos>
              <gml:pos>51.9 -1.73</gml:pos>
              <gml:pos>52.6 -1.3</gml:pos>
              <gml:pos>51.25 -1.51</gml:pos>
              <gml:pos>51.19 -1.78</gml:pos>
            </gml:LinearRing>
          </gml:interior>
          <tspi-core:horizResolutionCategory xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core">arcMinute</tspi-core:horizResolutionCategory>
          <tspi-core:horizPresentation xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core"
            srsName="http://metadata.ces.mil/mdr/ns/GSIP/crs/WGS84E_UTM30N"><!-- This is the same polygon represented using zone-Metre
presentation. For further information see section 5.3.3.3.4 in the TSPI
standard.--><!-- note that the interior ring is not presented --><!-- first position of the exterior ring -->
          <tspi-core:zoneMetreLocation>
            <tspi-core:zoneColumn>30</tspi-core:zoneColumn>
            <tspi-core:hemisphere>north</tspi-core:hemisphere>
            <tspi-core:metreEasting>584082</tspi-core:metreEasting>
            <tspi-core:metreNorthing>
              <tspi-core:basicNorthing>5657923</tspi-core:basicNorthing>
            </tspi-core:metreNorthing>
          </tspi-core:zoneMetreLocation>
        </ddms:boundingGeometry>
      </ddms:geospatialCoverage>
    </ddms:subjectCoverage>
  </ddms:coverage>
</ddms:dataset>

```

```
        </tspi-core:zoneMetreLocation>
        <!-- second position of the exterior ring -->
    <tspi-core:zoneMetreLocation>
        <tspi-core:zoneColumn>30</tspi-core:zoneColumn>
        <tspi-core:hemisphere>north</tspi-core:hemisphere>
        <tspi-core:metreEasting>585812</tspi-core:metreEasting>
        <tspi-core:metreNorthing>
            <tspi-core:basicNorthing>5761776</tspi-core:basicNorthing>
        </tspi-core:metreNorthing>
    </tspi-core:zoneMetreLocation>
    <!-- third position of the exterior ring -->
    <tspi-core:zoneMetreLocation>
        <tspi-core:zoneColumn>30</tspi-core:zoneColumn>
        <tspi-core:hemisphere>north</tspi-core:hemisphere>
        <tspi-core:metreEasting>621490</tspi-core:metreEasting>
        <tspi-core:metreNorthing>
            <tspi-core:basicNorthing>5845980</tspi-core:basicNorthing>
        </tspi-core:metreNorthing>
    </tspi-core:zoneMetreLocation>
    <!-- fourth position of the exterior ring -->
    <tspi-core:zoneMetreLocation>
        <tspi-core:zoneColumn>30</tspi-core:zoneColumn>
        <tspi-core:hemisphere>north</tspi-core:hemisphere>
        <tspi-core:metreEasting>607011</tspi-core:metreEasting>
        <tspi-core:metreNorthing>
            <tspi-core:basicNorthing>5678743</tspi-core:basicNorthing>
        </tspi-core:metreNorthing>
    </tspi-core:zoneMetreLocation>
    <!-- fifth (closure) position of the exterior ring -->
    <tspi-core:zoneMetreLocation>
        <tspi-core:zoneColumn>30</tspi-core:zoneColumn>
        <tspi-core:hemisphere>north</tspi-core:hemisphere>
        <tspi-core:metreEasting>584082</tspi-core:metreEasting>
        <tspi-core:metreNorthing>
            <tspi-core:basicNorthing>5657923</tspi-core:basicNorthing>
        </tspi-core:metreNorthing>
    </tspi-core:zoneMetreLocation>
    </tspi-core:horizPresentation>
</tspi:Polygon>
</ddms:boundingGeometry>
</ddms:geospatialCoverage>
</ddms:resource>
</tdf:StructuredStatement>
</tdf:Assertion>
    <tdf:ReferenceValuePayload tdf:uri="http://someLinkHereToThePayload.html"/>
</TrustedDataObject>
</TrustedDataCollection>
```

2.27 - IC-TDO-DDMS-2DPointGeodetic2D_Vert_Sexagesimal-TSPI-Example1.xml

```
<!-- The intent of this example is to demonstrate the inclusion of a DDMS record as a discovery assertion within a TDO.  For validation and compliance testing
      the instructions in the IC-TDF Specification (at a minimum, section 1.9.5 TDO Validation Steps) must be followed. --><?xml-model href="../../Schematron/IC-TDF/IC-TDF_XML.sch"
type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../Schematron/IC-EDH/IC-EDH_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/
dsdl/schematron"?><?xml-model href="../../Schematron/ISM/ISM_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../Schematron/ARH/
ARH_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><TrustedDataObject xmlns="urn:us:gov:ic:tdf"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xmlns:tdf="urn:us:gov:ic:tdf"
      xsi:schemaLocation="urn:us:gov:ic:tdf ../../Schema/IC-TDF/IC-TDF.xsd"
      tdf:version="2">
  <tdf:HandlingAssertion tdf:scope="TDO">
    <tdf:HandlingStatement>
      <edh:Edh xmlns:edh="urn:us:gov:ic:edh"
        xmlns:arh="urn:us:gov:ic:arh"
        ism:ISMCATCESVersion="201709"
        arh:DESVersion="2"
        ism:DESVersion="9"
        edh:DESVersion="2">
        <edh:Identifier>TDF_TDO_DDMS_5_Example0001</edh:Identifier>
        <edh:DataItemCreateDateTime>2013-01-02T03:56:00Z</edh:DataItemCreateDateTime>
        <edh:ResponsibleEntity edh:role="Custodian">
          <edh:Country>USA</edh:Country>
          <edh:Organization>DDMS_Team_Novetta</edh:Organization>
        </edh:ResponsibleEntity>
        <arh:Security ism:compliesWith="USGov USIC"
          ism:classification="U"
          ism:ownerProducer="USA"
          ism:resourceElement="true"
          ism:createDate="2013-01-02"/>
        </edh:Edh>
      </tdf:HandlingStatement>
    </tdf:HandlingAssertion>
    <tdf:HandlingAssertion tdf:scope="PAYL">
      <tdf:HandlingStatement>
        <edh:ExternalEdh xmlns:edh="urn:us:gov:ic:edh">
          <edh:Identifier>somePayloadIdentifierHere</edh:Identifier>
          <edh:DataItemCreateDateTime>2012-12-12T16:00:00Z</edh:DataItemCreateDateTime>
          <edh:ResponsibleEntity edh:role="Custodian">
            <edh:Country>USA</edh:Country>
            <edh:Organization>DDMS_TEAM_NOVETTA</edh:Organization>
          </edh:ResponsibleEntity>
          <arh:ExternalSecurity xmlns:arh="urn:us:gov:ic:arh"
            ism:classification="U"
            ism:ownerProducer="USA"
            ism:excludeFromRollup="true"/>
          </edh:ExternalEdh>
        </tdf:HandlingStatement>
      </tdf:HandlingAssertion>
    <tdf:Assertion tdf:scope="PAYL" tdf:type="discovery">
      <tdf:StatementMetadata>
        <arh:Security xmlns:arh="urn:us:gov:ic:arh"
          ism:compliesWith="USGov USIC"
          ism:resourceElement="true"
```

```

            ism:createDate="2013-01-02"
            ism:classification="U"
            ism:ownerProducer="USA" />
        </tdf:StatementMetadata>
        <tdf:StructuredStatement>
            <ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:5"
                xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../Schema/DDMS/DDMS-v5.xsd"><!-- IC-CIO Encoding Team replaced
xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../DDMS-v5.xsd" with path to the schema in the packaging we provide. -->
            <ddms:metacardInfo ism:classification="U" ism:ownerProducer="USA">
                <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
                    ddms:value="DDMS5_TSPI_Geodetic_2D_Plus_Vertical_Point_Sexagesimal_Example_1"/>

                <ddms:dates ddms:created="2012-12-28"/>
                <ddms:publisher>
                    <ddms:unknown>
                        <ddms:name>DDMS Team</ddms:name>
                    </ddms:unknown>
                </ddms:publisher>
            </ddms:metacardInfo>
            <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
                ddms:value="DDMS5_TSPI_Geodetic_2D_Plus_Vertical_Point_Sexagesimal_Example_1"/>
            <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:TDF:TDO"
                ddms:value="http://someLinkHereToThePayload.html"/>
            <ddms:title ism:classification="U" ism:ownerProducer="USA">An example of Time Space Position Information Standard using a Compound Geodetic 2D + Vertical CRS and
Sexagesimal Point: Example 1</ddms:title>
            <ddms:dates ddms:created="2012-12-28T06:29:33Z"/>
            <ddms:type ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:Examples:documentType"
                ddms:value="example"/>

            <!--This urn in ddms:qualifier in ddms:type was invented to indicate that this document is an example. Not a real urn.-->

            <ddms:creator>
                <ddms:unknown>
                    <ddms:name>DDMS Team</ddms:name>
                </ddms:unknown>
            </ddms:creator>
            <ddms:contributor>
                <ddms:organization ddms:acronym="NGA">
                    <ddms:name>National Geospatial-Intelligence Agency</ddms:name>
                </ddms:organization>
            </ddms:contributor>
            <ddms:subjectCoverage>
                <ddms:keyword ddms:value="Point Example"/>
            </ddms:subjectCoverage>
            <ddms:geospatialCoverage>
                <ddms:boundingGeometry>
                    <tspi:Point xmlns:tspi="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0"
                        xmlns:gml="http://www.opengis.net/gml/3.2"
                        gml:id="PointCompoundGeodetic2DVertSexagesimalExample"
                        srsDimension="3"
                        srsName="http://metadata.ces.mil/mdr/ns/GSIP/crs/WGS84E_MSL_H"><!--srsName identifies that we are using the GSIP-registered WGS84E crs for the lat/
lon and MSL with a height value (as opposed to depth)
                    This comprises the Compound Geodetic 2D + Vertical CRS portion of the example (see section 5.3.2.7 of the TSPI Standard for further information.)
                    [Note: according to the TSPI standard the use of MSL has been deemed a deprecated practice in favor of EGM. The use of EGM 96 is a recommended
                    practice and the use of EGM 08 is an emerging practice. (See sections 5.3.2.7.2, 5.3.2.7.3, and 5.3.2.7.4 of the TSPI Standard for further information.)]--><!--the position
is lat:53.8093938 and lon:-2.12955 with height:4572m MSL-->
                    <gml:pos>53.8093938 -2.12955 4572</gml:pos>
                </tspi:Point>
            </ddms:boundingGeometry>
        </ddms:geospatialCoverage>
    </ddms:structuredStatement>
</tdf:StructuredStatement>

```

```

        <tspi-core:horizResolutionCategory xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core">arcMillisecond</tspi-core:horizResolutionCategory>
        <tspi-core:vertResolutionCategory xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core">hectofoot</tspi-core:vertResolutionCategory>
        <!-- The horizontal and vertical presentation portion shows the same position on the earth (above the earth, really) in a human-friendly
        representation, specifically sexagesimal with altitude in feet MSL. When put together this would read: 53°48'33.818"N 2°7'46.380"E at
        an altitude of 15,000 feet MSL-->
        <tspi-core:horizPresentation xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core"
                                srsName="http://metadata.ces.mil/mdr/ns/GSIP/crs/WGS84E_2D">
            <tspi-core:sexagesimalLocation>
                <tspi-core:geoDegree>
                    <tspi-core:latitude>53</tspi-core:latitude>
                    <tspi-core:longitude>2</tspi-core:longitude>
                </tspi-core:geoDegree>
                <tspi-core:geoMinute>
                    <tspi-core:latitude>48</tspi-core:latitude>
                    <tspi-core:longitude>7</tspi-core:longitude>
                </tspi-core:geoMinute>
                <tspi-core:geoSecond>
                    <tspi-core:latitude>33</tspi-core:latitude>
                    <tspi-core:longitude>46</tspi-core:longitude>
                </tspi-core:geoSecond>
                <tspi-core:geoSecondFraction>
                    <tspi-core:millisecond>
                        <tspi-core:latitude>818</tspi-core:latitude>
                        <tspi-core:longitude>380</tspi-core:longitude>
                    </tspi-core:millisecond>
                </tspi-core:geoSecondFraction>
                <tspi-core:geoLatHemisphere>north</tspi-core:geoLatHemisphere>
                <tspi-core:geoLongHemisphere>east</tspi-core:geoLongHemisphere>
            </tspi-core:sexagesimalLocation>
        </tspi-core:horizPresentation>
        <tspi-core:vertPresentation xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core"
                                srsName="http://metadata.ces.mil/mdr/ns/GSIP/crs/MSL_H">
            <tspi-core:altitude uom="http://metadata.ces.mil/mdr/ns/GSIP/uom/length/foot">15000</tspi-core:altitude>
        </tspi-core:vertPresentation>
    </tspi:Point>
</ddms:boundingGeometry>
</ddms:geospatialCoverage>
</ddms:resource>
</tdf:StructuredStatement>
</tdf:Assertion>
<tdf:ReferenceValuePayload tdf:uri="http://someLinkHereToThePayload.html"/>
</TrustedDataObject>

```

2.28 - IC-TDO-DDMS-2DPolygon-TSPI-Example.xml

```
<!-- The intent of this example is to demonstrate the inclusion of a DDMS record as a discovery assertion within a TDO.  For validation and compliance testing
      the instructions in the IC-TDF Specification (at a minimum, section 1.9.5 TDO Validation Steps) must be followed. --><?xml-model href="../../../Schematron/IC-TDF/IC-TDF_XML.sch"
type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/IC-EDH/IC-EDH_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/
dsdl/schematron"?><?xml-model href="../../../Schematron/ISM/ISM_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/ARH/
ARH_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><TrustedDataObject xmlns="urn:us:gov:ic:tdf"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xmlns:tdf="urn:us:gov:ic:tdf"
      xsi:schemaLocation="urn:us:gov:ic:tdf ../../Schema/IC-TDF/IC-TDF.xsd"
      tdf:version="2">
  <tdf:HandlingAssertion tdf:scope="TDO">
    <tdf:HandlingStatement>
      <edh:Edh xmlns:edh="urn:us:gov:ic:edh"
        xmlns:arh="urn:us:gov:ic:arh"
        ism:ISMCATCESVersion="201709"
        arh:DESVersion="2"
        ism:DESVersion="9"
        edh:DESVersion="2">
        <edh:Identifier>TDF_TDO_DDMS_5_Example0001</edh:Identifier>
        <edh:DataItemCreateDateTime>2013-01-02T03:56:00Z</edh:DataItemCreateDateTime>
        <edh:ResponsibleEntity edh:role="Custodian">
          <edh:Country>USA</edh:Country>
          <edh:Organization>DDMS_Team_Novetta</edh:Organization>
        </edh:ResponsibleEntity>
        <arh:Security ism:compliesWith="USGov USIC"
          ism:classification="U"
          ism:ownerProducer="USA"
          ism:resourceElement="true"
          ism:createDate="2013-01-02"/>
        </edh:Edh>
      </tdf:HandlingStatement>
    </tdf:HandlingAssertion>
    <tdf:HandlingAssertion tdf:scope="PAYL">
      <tdf:HandlingStatement>
        <edh:ExternalEdh xmlns:edh="urn:us:gov:ic:edh">
          <edh:Identifier>somePayloadIdentifierHere</edh:Identifier>
          <edh:DataItemCreateDateTime>2012-12-12T16:00:00Z</edh:DataItemCreateDateTime>
          <edh:ResponsibleEntity edh:role="Custodian">
            <edh:Country>USA</edh:Country>
            <edh:Organization>DDMS_TEAM_NOVETTA</edh:Organization>
          </edh:ResponsibleEntity>
          <arh:ExternalSecurity xmlns:arh="urn:us:gov:ic:arh"
            ism:classification="U"
            ism:ownerProducer="USA"
            ism:excludeFromRollup="true"/>
          </edh:ExternalEdh>
        </tdf:HandlingStatement>
      </tdf:HandlingAssertion>
    <tdf:Assertion tdf:scope="PAYL" tdf:type="discovery">
      <tdf:StatementMetadata>
        <arh:Security xmlns:arh="urn:us:gov:ic:arh"
          ism:compliesWith="USGov USIC"
          ism:resourceElement="true"
```

```

        ism:createDate="2013-01-02"
        ism:classification="U"
        ism:ownerProducer="USA"/>
    </tdf:StatementMetadata>
    <tdf:StructuredStatement>
        <ddms:resource xmlns:ddms="urn:us:mil:ces:metadata:ddms:5"
            xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../../Schema/DDMS/DDMS-v5.xsd"><!-- IC-CIO Encoding Team replaced
xsi:schemaLocation="urn:us:mil:ces:metadata:ddms:5 ../../DDMS-v5.xsd" with path to the schema in the packaging we provide. -->
        <ddms:metacardInfo ism:classification="U" ism:ownerProducer="USA">
            <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
                ddms:value="DDMS5_TSPI_Geodetic_2D_Polygon_Zone-Metre_Example_1"/>
            <ddms:dates ddms:created="2013-01-01" ddms:posted="2013-01-03"/>
            <ddms:publisher>
                <ddms:unknown>
                    <ddms:name>DDMS Team</ddms:name>
                </ddms:unknown>
            </ddms:publisher>
        </ddms:metacardInfo>
        <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:ID"
            ddms:value="DDMS5_TSPI_Geodetic_2D_Polygon_Zone-Metre_Example_1"/>
        <ddms:identifier ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:examples:TDF:TDO"
            ddms:value="http://someLinkHereToThePayload.html"/>
        <ddms:title ism:classification="U" ism:ownerProducer="USA">An example of Time Space Position Information Standard using a Geodetic 2D Polygon and Zone-Metre
presentation: Example 1</ddms:title>
        <ddms:dates ddms:created="2013-01-01T06:29:33Z"/>
        <ddms:type ddms:qualifier="urn:us:mil:ces:metadata:ddms:5:Examples:documentType"
            ddms:value="example"/>
        <!--This urn in ddms:qualifier in ddms:type was invented to indicate that this document is an example. Not a real urn.-->
    <ddms:creator>
        <ddms:unknown>
            <ddms:name>DDMS Team</ddms:name>
        </ddms:unknown>
    </ddms:creator>
    <ddms:publisher>
        <ddms:organization>
            <ddms:name>Novetta</ddms:name>
        </ddms:organization>
    </ddms:publisher>
    <ddms:contributor>
        <ddms:organization ddms:acronym="NGA">
            <ddms:name>National Geospatial-Intelligence Agency</ddms:name>
        </ddms:organization>
    </ddms:contributor>
    <ddms:contributor>
        <ddms:person>
            <ddms:name>Dr. Paul</ddms:name>
            <ddms:surname>Birkel</ddms:surname>
            <ddms:affiliation>MITRE</ddms:affiliation>
            <ddms:affiliation>NGA</ddms:affiliation>
        </ddms:person>
    </ddms:contributor>
    <ddms:subjectCoverage>
        <ddms:keyword ddms:value="TSPI 2D Polygon and Zone-Metre presentation Example"/>
    </ddms:subjectCoverage>

```

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<ddms:geospatialCoverage>
  <ddms:boundingGeometry>
    <tspi:Polygon xmlns:tspi="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0"
                  xmlns:gml="http://www.opengis.net/gml/3.2"
                  gml:id="PolygonGeodetic2DZoneMetreExample"
                  srsName="http://metadata.ces.mil/mdr/ns/GSIP/crs/WGS84E_2D"><!-- This polygon represents a 'donut' shape (though, in this case rectangular rather
than circular) with an exterior
ring defining the outside of the shape and an interior ring defining the internal "cut-out" of the donut hole.-->
    <gml:exterior>
      <gml:LinearRing><!-- This is the exterior ring of the shape defined using 4 points. The final "gml:pos" is a repetition
of the first point, explicitly closing the outer ring of the polygon.-->
        <gml:pos>51.0667 -1.8</gml:pos>
        <gml:pos>52.0 -1.75</gml:pos>
        <gml:pos>52.75 -1.2</gml:pos>
        <gml:pos>51.25 -1.4667</gml:pos>
        <gml:pos>51.0667 -1.8</gml:pos>
      </gml:LinearRing>
    </gml:exterior>
    <gml:interior><!-- This is the interior ring of the shape, effectively defining the donut-hole cutout, using 4 points. The
final "gml:pos" is a repetition of the first point, explicitly closing the inner ring of the polygon.-->
      <gml:LinearRing>
        <gml:pos>51.19 -1.78</gml:pos>
        <gml:pos>51.9 -1.73</gml:pos>
        <gml:pos>52.6 -1.3</gml:pos>
        <gml:pos>51.25 -1.51</gml:pos>
        <gml:pos>51.19 -1.78</gml:pos>
      </gml:LinearRing>
    </gml:interior>
    <tspi-core:horizResolutionCategory xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core">arcMinute</tspi-core:horizResolutionCategory>
    <tspi-core:horizPresentation xmlns:tspi-core="http://metadata.ces.mil/mdr/ns/GSIP/tspi/2.0/core"
                                srsName="http://metadata.ces.mil/mdr/ns/GSIP/crs/WGS84E_UTM30N"><!-- This is the same polygon represented using zone-Metre
presentation. For further information see section 5.3.3.3.4 in the TSPI
standard.--><!-- note that the interior ring is not presented --><!-- first position of the exterior ring -->
    <tspi-core:zoneMetreLocation>
      <tspi-core:zoneColumn>30</tspi-core:zoneColumn>
      <tspi-core:hemisphere>north</tspi-core:hemisphere>
      <tspi-core:metreEasting>584082</tspi-core:metreEasting>
      <tspi-core:metreNorthing>
        <tspi-core:basicNorthing>5657923</tspi-core:basicNorthing>
      </tspi-core:metreNorthing>
    </tspi-core:zoneMetreLocation>
    <!-- second position of the exterior ring -->
    <tspi-core:zoneMetreLocation>
      <tspi-core:zoneColumn>30</tspi-core:zoneColumn>
      <tspi-core:hemisphere>north</tspi-core:hemisphere>
      <tspi-core:metreEasting>585812</tspi-core:metreEasting>
      <tspi-core:metreNorthing>
        <tspi-core:basicNorthing>5761776</tspi-core:basicNorthing>
      </tspi-core:metreNorthing>
    </tspi-core:zoneMetreLocation>
    <!-- third position of the exterior ring -->
    <tspi-core:zoneMetreLocation>
      <tspi-core:zoneColumn>30</tspi-core:zoneColumn>
      <tspi-core:hemisphere>north</tspi-core:hemisphere>

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        <tspi-core:metreEasting>621490</tspi-core:metreEasting>
        <tspi-core:metreNorthing>
          <tspi-core:basicNorthing>5845980</tspi-core:basicNorthing>
        </tspi-core:metreNorthing>
      </tspi-core:zoneMetreLocation>
      <!-- fourth position of the exterior ring -->
    <tspi-core:zoneMetreLocation>
      <tspi-core:zoneColumn>30</tspi-core:zoneColumn>
      <tspi-core:hemisphere>north</tspi-core:hemisphere>
      <tspi-core:metreEasting>607011</tspi-core:metreEasting>
      <tspi-core:metreNorthing>
        <tspi-core:basicNorthing>5678743</tspi-core:basicNorthing>
      </tspi-core:metreNorthing>
    </tspi-core:zoneMetreLocation>
    <!-- fifth (closure) position of the exterior ring -->
    <tspi-core:zoneMetreLocation>
      <tspi-core:zoneColumn>30</tspi-core:zoneColumn>
      <tspi-core:hemisphere>north</tspi-core:hemisphere>
      <tspi-core:metreEasting>584082</tspi-core:metreEasting>
      <tspi-core:metreNorthing>
        <tspi-core:basicNorthing>5657923</tspi-core:basicNorthing>
      </tspi-core:metreNorthing>
    </tspi-core:zoneMetreLocation>
  </tspi-core:horizPresentation>
</tspi:Polygon>
</ddms:boundingGeometry>
</ddms:geospatialCoverage>
</ddms:resource>
</tdf:StructuredStatement>
</tdf:Assertion>
<tdf:ReferenceValuePayload tdf:uri="http://someLinkHereToThePayload.html"/>
</TrustedDataObject>
```