

Unified Incident Command and Decision Support (UICDS)

TechNote – Testing the Newly Installed UICDS Core

UICDS-TECHNOTE-CORETEST-R01

February 12, 2013

Prepared for the UICDS Open Source Consortium

by

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1.0 Basic Testing of Incidents Via Brower's Poster Plug-in

This UICDS TechNote describes how to post a few incidents to your newly installed UICDS Core to test the basic functionality when creating new incidents.

The testing should then be followed by setting up a continuously updating source of incidents for further testing. One method to accomplish this is described in the *UICDS TechNote – GeoRSS Adapter Operations*. That TechNote will show you how to bring in a GeoRSS feed that will provide testing of create/update/close and archive incidents on core. It also allows you to monitor any performance issue.

Viewing the data should be done on the UICDS AdminConsole and, to see geographic locations, on Google Earth or other geospatial viewer. The *UICDS TechNote – Viewing UICDS Data in Google Earth* describes how to add a UICDS Core feed and display in Google Earth.

To understand more about the UICDS Incident Management Service, consult the *Quick Start Guide to the UICDS Incident Management Service and Incident Work Products*.

All TechNotes are available on the UICDS Collaboration Portal found at www.UICDS.us.

1.1 Quick Test Posting of the UICDS Incident XML SOAP Message

There is a manual method of posting UICDS Incidents that you can use to see a proof of concept and test to see whether the core has been installed properly.

This is not a recommended method of posting to UICDS that would substitute for writing code to transform your data into a UICDS Work Product. It is simply a quick way to post an incident to the UICDS Core to provide further testing of your newly completed installation.

To use this manual proof of concept method of posting, use a freely available commercial tool like Google® Chrome® Poster™ which is available as a Chrome add-on at <https://chrome.google.com/webstore/detail/chrome-poster/cdjfedloinmbppobahmonnjigpmlajcd?hl=en> or Mozilla FireFox™ Poster™ available at <https://addons.mozilla.org/en-us/firefox/addon/poster/>. This will allow you to simply post the example SOAP request (obviously, feel free to modify the content) and receive a response.

1.2 Where to Find the Incident Management Service

You will post an incident to (and all applications that exchange incident information through UICDS will use) the Incident Management Service. The service can be found at the following URL:

`http://localhost/uicds/core/ws/services/IncidentManagementService`

NOTE: Replace “localhost” with a valid UICDS Core Fully Qualified Domain Name (FQDN) if desired.

NOTE: use https if you are accessing the core using the FQDN. Example:
`https://mycore.com/uicds/core/ws/services/IncidentManagementService`

Developers have access to hosted UICDS Cores for testing. With access credentials, you may post your test UICDS Incidents to:

<https://test3.uicds.leidos.com/uicds/core/ws/services/IncidentManagementService>

1.3 Create Incident Request

Below are examples of the XML Incident Payload document, wrapped in SOAP, for posting to the Incident Management Service on a UICDS Core.

1.1.1 Baseball Game in Washington, DC

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header/>
  <SOAP-ENV:Body>
    <CreateIncidentRequest
      NS1:schemaLocation="http://uicds.org/IncidentManagementService
      services\IncidentManagement\0.1\IncidentManagementService.xsd"
      xmlns="http://uicds.org/IncidentManagementService" xmlns:NS1="http://www.w3.org/2001/XMLSchema-
      instance">
      <inc:Incident xmlns:inc="http://uicds.org/incident">
        <ActivityCategoryText xmlns="http://niem.gov/niem/niem-
        core/2.0">Event</ActivityCategoryText>
        <ActivityDate xmlns="http://niem.gov/niem/niem-core/2.0">
          <DateTime>2009-11-20T12:05:00</DateTime>
        </ActivityDate>
        <ActivityDescriptionText xmlns="http://niem.gov/niem/niem-
        core/2.0">Washington Nationals Baseball Game </ActivityDescriptionText>
        <ActivityName xmlns="http://niem.gov/niem/niem-core/2.0">Baseball
        Game (Demo)</ActivityName>
        <IncidentLocation xmlns="http://niem.gov/niem/niem-core/2.0">
          <LocationAddress>
            <AddressFullText>Nationals Stadium</AddressFullText>
          </LocationAddress>
          <LocationArea>
            <AreaCircularRegion>
              <CircularRegionCenterCoordinate>
                <GeographicCoordinateLatitude>
```

```

    <LatitudeDegreeValue>38</LatitudeDegreeValue>

    <LatitudeMinuteValue>52</LatitudeMinuteValue>

    <LatitudeSecondValue>22.62</LatitudeSecondValue>
                                </GeographicCoordinateLatitude>
                                <GeographicCoordinateLongitude>
                                <LongitudeDegreeValue>-
77</LongitudeDegreeValue>

    <LongitudeMinuteValue>00</LongitudeMinuteValue>

    <LongitudeSecondValue>26.94</LongitudeSecondValue>
                                </GeographicCoordinateLongitude>
                                </CircularRegionCenterCoordinate>
                                <CircularRegionRadiusLengthMeasure>

    <MeasurePointValue>4.5</MeasurePointValue>

    <LengthUnitCode>SMI</LengthUnitCode>
                                </CircularRegionRadiusLengthMeasure>
                                </AreaCircularRegion>
                                </LocationArea>
                                </IncidentLocation>
                                <IncidentJurisdictionalOrganization xmlns="http://niem.gov/niem/niem-
core/2.0">
                                    <OrganizationName>Metropolitan Police</OrganizationName>
                                    <OrganizationPrincipalOfficial>
                                        <PersonName>
                                            <PersonFullName>Lt. Jones</PersonFullName>
                                        </PersonName>
                                    </OrganizationPrincipalOfficial>
                                    <OrganizationStatus>

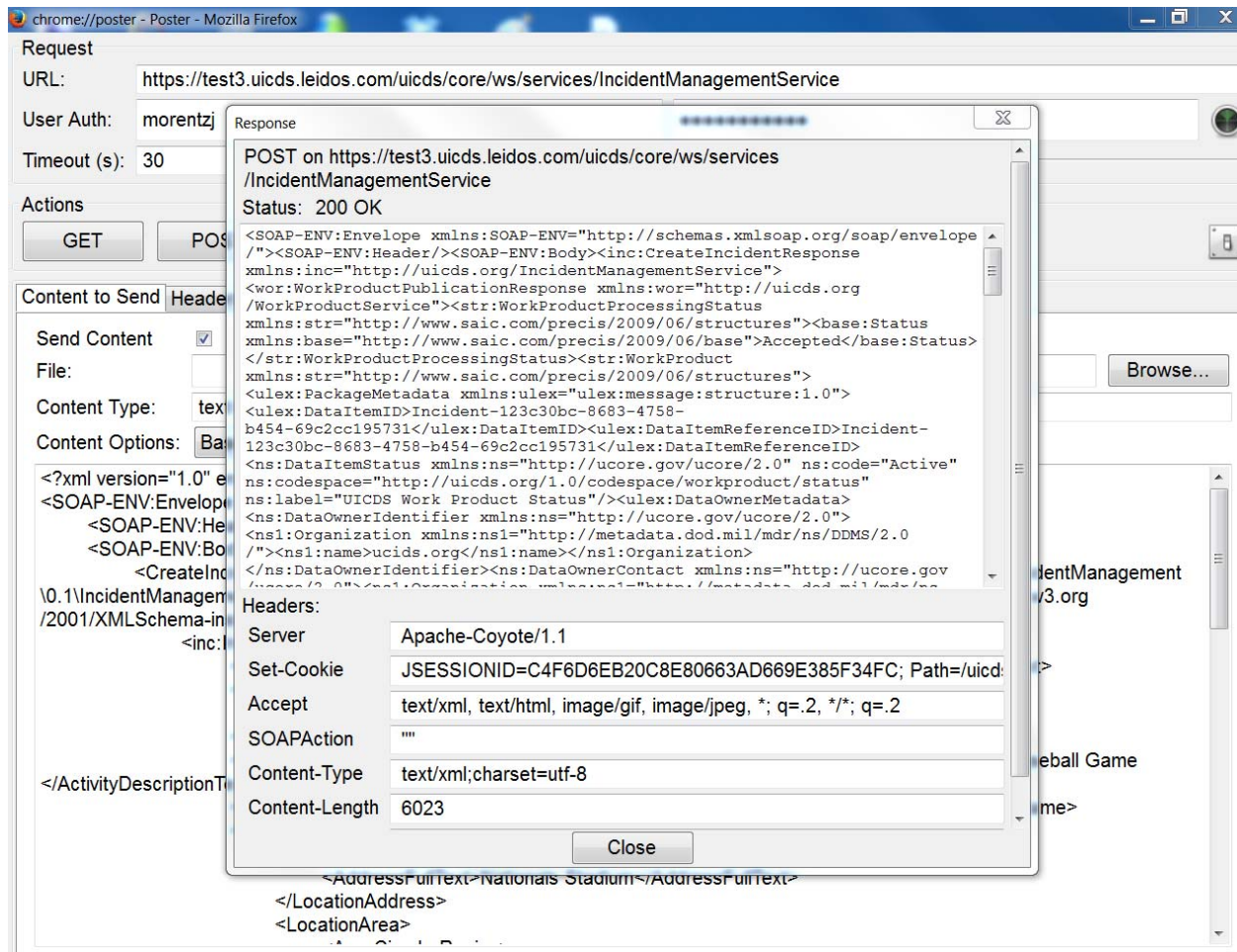
    <StatusDescriptionText>Activated</StatusDescriptionText>
                                </OrganizationStatus>
                                </IncidentJurisdictionalOrganization>
                                </inc:Incident>
    </CreateIncidentRequest>

```

```
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

1.4 Expected Create Incident Response

When an incident is successfully posted to a UICDS Core, the core returns an XML document that provides validation that the incident work product was created. When you manually post an incident, you will get a response that looks something like this (in Mozilla Poster):



The key information provided in this response is the 200 OK status code that means the posting was successful.

1.4.1 Resulting Work Product in the UICDS AdminConsole

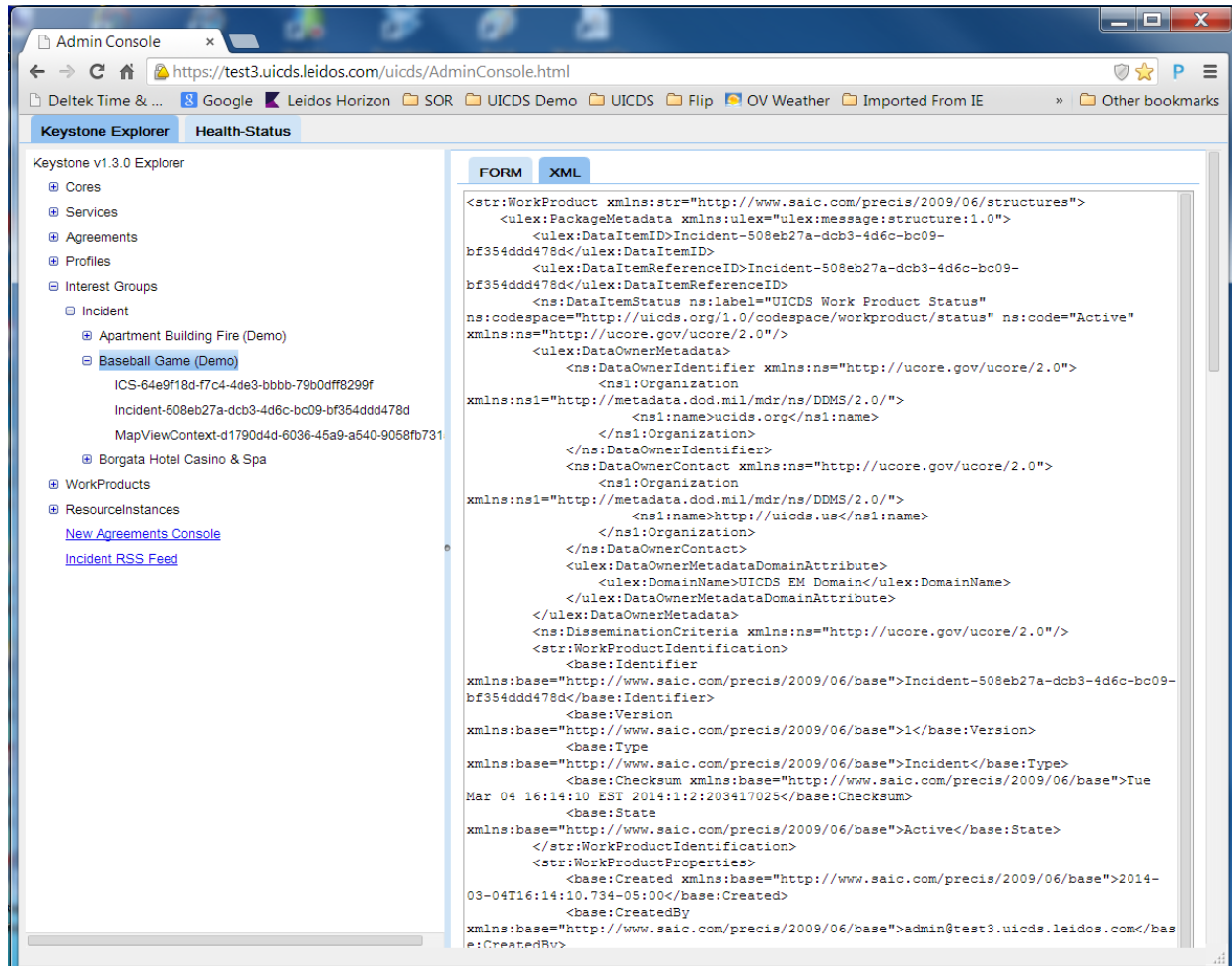
Viewing the posted incident on the UICDS AdminConsole is done by going to:

<http://localhost/uicds/AdminConsole.html>

NOTE: Replace “localhost” with a valid UICDS Core Fully Qualified Domain Name (FQDN) if desired.

NOTE: use https (not http) if you are accessing core using FQDN.

For example, <https://test3.uicds.leidos.com/uicds/AdminConsole.html>



2.0 Additional Incident Examples for Posting

2.1 Fire Incident in Washington, DC

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header/>
  <SOAP-ENV:Body>
    <CreateIncidentRequest
      NS1:schemaLocation="http://uicds.org/IncidentManagementService
      services\IncidentManagement\0.1\IncidentManagementService.xsd"
    />
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

```

xmlns="http://uicds.org/IncidentManagementService" xmlns:NS1="http://www.w3.org/2001/XMLSchema-
instance">

    <inc:Incident xmlns:inc="http://uicds.org/incident">
        <ActivityCategoryText xmlns="http://niem.gov/niem/niem-
core/2.0">Fire</ActivityCategoryText>
        <ActivityDate xmlns="http://niem.gov/niem/niem-core/2.0">
            <DateTime>2009-11-20T12:05:00</DateTime>
        </ActivityDate>
        <ActivityDescriptionText xmlns="http://niem.gov/niem/niem-
core/2.0">Apartment building in on fire, multiple floors fully involved, partial building
collapse</ActivityDescriptionText>
        <ActivityName xmlns="http://niem.gov/niem/niem-core/2.0">Apartment
Building Fire (Demo)</ActivityName>
        <IncidentLocation xmlns="http://niem.gov/niem/niem-core/2.0">
            <LocationAddress>
                <AddressFullText>2300 Good Hope Road Southeast,
Washington, DC</AddressFullText>
            </LocationAddress>
            <LocationArea>
                <AreaCircularRegion>
                    <CircularRegionCenterCoordinate>
                        <GeographicCoordinateLatitude>

<LatitudeDegreeValue>38</LatitudeDegreeValue>

<LatitudeMinuteValue>51</LatitudeMinuteValue>

<LatitudeSecondValue>54.18</LatitudeSecondValue>

                        </GeographicCoordinateLatitude>
                        <GeographicCoordinateLongitude>
                            <LongitudeDegreeValue>-
76</LongitudeDegreeValue>

                            <LongitudeMinuteValue>58</LongitudeMinuteValue>

                            <LongitudeSecondValue>26.55</LongitudeSecondValue>

                        </GeographicCoordinateLongitude>
                    </CircularRegionCenterCoordinate>
                    <CircularRegionRadiusLengthMeasure>

<MeasurePointValue>4.5</MeasurePointValue>

```



```

        <LengthUnitCode>SMI</LengthUnitCode>
        </CircularRegionRadiusLengthMeasure>
        </AreaCircularRegion>
        </LocationArea>
        </IncidentLocation>
        <IncidentJurisdictionalOrganization xmlns="http://niem.gov/niem/niem-
core/2.0">
        <OrganizationName>Richmond Fire
Department</OrganizationName>
        <OrganizationPrincipalOfficial>
        <PersonName>
        <PersonFullName>ICS
Commander</PersonFullName>
        </PersonName>
        </OrganizationPrincipalOfficial>
        <OrganizationStatus>
        <StatusDescriptionText>Activated</StatusDescriptionText>
        </OrganizationStatus>
        </IncidentJurisdictionalOrganization>
        </inc:Incident>
        </CreateIncidentRequest>
        </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

2.2 Walgreens Closing in Florida

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
    <SOAP-ENV:Header/>
    <SOAP-ENV:Body>
        <CreateIncidentRequest
NS1:schemaLocation="http://uicds.org/IncidentManagementService
services\IncidentManagement\0.1\IncidentManagementService.xsd"
xmlns="http://uicds.org/IncidentManagementService" xmlns:NS1="http://www.w3.org/2001/XMLSchema-
instance">
            <inc:Incident xmlns:inc="http://uicds.org/incident">
                <ActivityCategoryText xmlns="http://niem.gov/niem/niem-
core/2.0">Walgreens</ActivityCategoryText>

```



```

        <ActivityDate xmlns="http://niem.gov/niem/niem-core/2.0">
            <DateTime>2014-14-02T09:55:22</DateTime>
        </ActivityDate>
        <ActivityDescriptionText xmlns="http://niem.gov/niem/niem-
core/2.0"><![CDATA[<br/><b>Store/Site Status: </b>CLOSED<br/><b>Store Priroity:
</b><br/><b>Current Power Status: </b>No Power<br/><b>Generator Deployed: </b><br/><b>Damage
Level: </b><br/><br/><b>STORE DETAILS</b><br/><b>Address: </b>2519 N MCMULLEN BOOTH RD,
CLEARWATER, FL<br/><b>Store Type: </b>1<br/><b>Retail Clinic: </b>N<br/><b>Open 24 Hrs:
</b>N<br/><b>Store Number: </b>1407<br/><b>NCPDP Provider ID: </b>N/A<br/><b>District:
</b>198<br/><b>Region: </b>3<br/><b>Operation: </b>2<br/>]]></ActivityDescriptionText>
        <ActivityName xmlns="http://niem.gov/niem/niem-core/2.0">Walgreens -
CLEARWATER FL</ActivityName>
        <IncidentLocation xmlns="http://niem.gov/niem/niem-core/2.0">
            <LocationArea>
                <AreaCircularDescriptionText>Walgreens Store
No:1407</AreaCircularDescriptionText>
                <AreaCircularRegion>
                    <CircularRegionCenterCoordinate>
                        <GeographicCoordinateLatitude>
                            <LatitudeDegreeValue>28</LatitudeDegreeValue>
                            <LatitudeMinuteValue>0</LatitudeMinuteValue>
                            <LatitudeSecondValue>45.936</LatitudeSecondValue>
                        </GeographicCoordinateLatitude>
                        <GeographicCoordinateLongitude>
                            <LongitudeDegreeValue>-
82</LongitudeDegreeValue>
                            <LongitudeMinuteValue>42</LongitudeMinuteValue>
                            <LongitudeSecondValue>27.72</LongitudeSecondValue>
                        </GeographicCoordinateLongitude>
                    </CircularRegionCenterCoordinate>
                    <CircularRegionRadiusLengthMeasure>
                        <MeasurePointValue>4.5</MeasurePointValue>
                        <LengthUnitCode>SMI</LengthUnitCode>
                    </CircularRegionRadiusLengthMeasure>
                </AreaCircularRegion>
            </LocationArea>
        </IncidentLocation>
    </Activity>

```

```
        </LocationArea>
      </IncidentLocation>
    </inc:Incident>
  </CreateIncidentRequest>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```