Unified Incident Command and Decision Support (UICDS)

Getting Started Guide

For UICDS Software Version 1.1.0

September 27, 2010

UICDS-RD-GSG-R02C02

Science Applications International Corporation

4001 North Fairfax Drive, Suite 250

Arlington, VA 22203

SAIC®
From Science to Solutions

Table of Contents

Getting Started Guide Approvals

Submitter

_____   _____
Roger Wuerfel
UICDS Software Engineering Lead

Approver(s)
The signature below constitutes approval of this plan.

_____   _____
Gerald Mahoney
UICDS Project Manager

Revisions

Initial Source: UICDS-RD-GSG-R01C00

Revision Number	Date	Description of Change(s)
R01C00	11/22/2009	Initial version
R02C01	09/03/2010	Updated for UICDS V1.0.0 software release
R02C02	09/27/2010	Updated for UICDS V1.1.0 software release

1.0 Introduction

1.1   Overview

The Unified Incident Command Decision Support (UICDS) Getting Started Guide is intended to give users an overview of how to use the UICDS Web Service messages. Please see the UICDS System Installation Plan for details on how to install, configure, and administer a UICDS installation. This document assumes that the UICDS server (also know as a UICDS core) has been successfully installed.

2.0 UICDS Integration

The UICDS System is an information sharing network. Each node in the network is managed by a UICDS Core. A UICDS Core provides the following:

- Core to Core Infrastructure
- Service APIs for Client Integration
    - Infrastructure Services
    - Emergency Management Services

2.1   Core to Core Infrastructure - Overview

Information sharing in the UICDS network is based on peer-to-peer routing of XML messages and the Publish-Subscribe (XEP-0060) feature of XMPP. During an incident, the UICDS Clients publish information from their local systems to their local Core as Work Products which, in turn, are pushed to remote Cores based on information sharing Agreements. Clients at both the local and remote Cores receive notifications of new and updated Work Products based on interest subscriptions found in the Resource Profiles that have been applied to the Resource Instance representing the Clients.

2.2   Service APIs for Client Integration - Overview

The UICDS Service APIs are grouped into Infrastructure and Emergency Management Services.

Infrastructure Services	Emergency Management Services
- Agreement - Directory - Resource Profile - Resource Instance - Notification - Work Product - Search - Logging	- Incident Management - Incident Command - Alert - Map - Tasking - Resource Management - IAP - Sensor - LEITSC - Broadcast

2.2.1 Infrastructure Services

The UICDS Infrastructure Services provide the APIs for managing the sharing of information among UICDS Cores.

2.2.1.1 Agreement Service

The Agreement Service manages the relationships between Cores in the form of information sharing agreements. Agreements contain the conditions and policies under which information will be shared from one core to another.

2.2.1.2 Resource Profile

The Resource Profile service manages information about data interests for different roles with respect to the UICDS core. Resource profiles contain:

- a UICDS unique ID for the resource profile as well as a "common name" for display in the user interfaces.
- Notifications the entity should receive
- NIMS resource typing information if applicable

2.2.1.3 Resource Instance

The Resource Instance service represents applications that are connected to the core or resources that have checked into a core. A resource instance will contain data for

- The notification endpoint for this resource
- Resource profiles that this resource instance is fulfilling

2.2.1.4 Notification Service

The Notification Service is an implementation of WS-BaseNotification. Additional documentation pertaining to the specification can be found here. The UICDS Notification Service provides a WS-Notification compliant interface to provide push and pull based notifications to UICDS clients. Subscriptions to the Notification Service are automatically created from the list of Interests expressed in the client's Resource Profile and are activated once that client has checked in or registered as a Resource Instance.

2.2.1.5 Directory Service

The Directory Services allows UICDS Clients to query a UICDS Core for information pertaining to the existence of:

- Active Incidents
- Services
- External UICDS Cores with which the local Core has an Agreement
- External Data Sources
- External Tools
- Sensors

2.2.1.6　Work Product Service

The Work Product Service allows clients to submit, modify, and retrieve Work Products. Work Products are the primary data package used in the UICDS system. A Work Product consists of metadata and a data payload. Clients may subscribe to specific kinds of Work Products by specifying the UICDS data type of the Work Product in the Interests portion of a Resource Profile. Once an Interest in a Work Product is registered, the client will receive notification of Work Product additions and updates via the Notification Endpoint attached to a particular Resource Instance.

Many UICDS Domain Services manage domain specific work products. For those Work Products where a Domain Service exists, the Domain Service API should be used by clients to create and update these types of work products.

2.2.2 Emergency Management Services

The UICDS Emergency Management Services provide APIs for managing Emergency Management specific constructs within UICDS such as incident summaries, command hierarchy, and mapping.

2.2.2.1　Incident Management Service

The Incident Management Service allows clients to:
- create an incident
- update information about an incident
- share the incident with other UICDS cores
- close and archive the incident

Once an incident is created, it is given a globally unique identifier within UICDS so that additional information (such as command structure, work products, and maps) may be associated with it. The incident may then be shared with other Cores according to the conditions set forth in the Agreements Service.

2.2.2.2　Incident Command Service

The Incident Command Service allows clients to create and modify organizational structures such as ICS and MACS structures; though any organizational hierarchy can be represented. Positions within the organizational structure are represented by an instance of a resource profile with an associated resource instance.

2.2.2.3　Alert Service

The Alert Service allows UICDS Clients to create and cancel Common Alert Protocol (CAP) alert work products that conform to the CAP version 1.1 specification. Alerts may or may not be associated with a particular incident. A UICDS Incident may be created from a CAP alert through the Incident Management Service.

2.2.2.4   Map Service

The Map Service provides an abstract specification for interacting with an UICDS core to manage map related resources. The service defines Layer and Map resources and collections of these resources. This model is based on the OGC Web Map Context specification. The operations consist of creating, retrieving, updating, and deleting these resources.

2.2.2.5   Tasking Service

The Tasking Service allows a client to create, update, query and delete a list of tasks for a resource. The resource to be tasked must be represented by a Resource Instance. Each Resource Instance in the UICDS system can have a list of tasks for a given incident as a work product associated with the incident.

2.2.2.6   Resource Management Service

The Resource Management Service allows a client to communicate with other external clients using EDXL-RM messages. Resource request and commit messages are interpreted by this service so that it can provide a list of requested and committed resource per incident.

2.2.2.7   IAP Service

The IAP Service provides allows a client to:
- create or retrieve an IAP
- create or retrieve ICS Forms

2.2.2.8   Sensor Service

UICDS allows external sensors that are Open Geospatial Consortium Sensor Observation Specification (OGC-SOS) compliant to be registered as UICDS resources. Observations or measurements made by these sensors are used to support incident related activities. The discovery process to identify sensors that are relevant to a particular UICDS incident involves interactions between UICDS clients and the sensor systems at several SOS levels. To reduce the need to repeat these steps, the information required to retrieve sensor observations is stored as UICDS work products that are associated with the incident. UICDS clients who are interested in retrieving the sensor observations for a given incident request these work products from the Sensor Service and use the retrieved information to request observations directly from the sensor system via the SOS interface.

The UICDS Sensor Service provides the ability for UICDS users to:
- create a Sensor Of Interest (SOI) work product
- delete an SOI work product
- update an SOI work product
- get an SOI work product with a specified work product ID
- get a list of SOI work products associated with a specified incident

Note that each SOI work product may contain retrieval information for one or more external sensors.

2.2.2.9   Broadcast Service

The Broadcast Service provides mechanism to send messages to a set of selected UICDS resource instances. The message is an EDXL-DE message and as such can contain any content allowed by the EDXL-DE specification. Resource instances are identified as individual explictAddress elements in the EDXL-DE header. The messages will be delivered to the specified resource instances by adding them to the resource instance's notification queue

2.3   Security (HTTPS BASIC)

All UICDS services are accessed via HTTPS (SSL) using BASIC Authentication and are session-less. The InstallKit server's certificate is self-signed (no authority).

Also, web browsers tend to cache username/password pairs so long as the browser is open giving the appearance of session state. This is not the case for UICDS Services being accessed programmatically as the username/password pair will have to be sent with each request.

2.4   WSDLS and Schemas

The WSDLs and Schemas for all UICDS Services are available in the directories:

> UICDS/ServerApps/docs/secure/apidocs/com/saic/uicds/core/infrastructure/endpoint
> UICDS/ServerApps/docs/secure/apidocs/com/saic/uicds/core/em/endpoint

The WSDLs include relative references to their associated schemas and should be able to be imported into most development environments such as Eclipse (Java), Netbeans (Java), and MS Visual Studio (.Net). The WSDL directory contains two copies of each WSDL, one with the extension ".wsdl" and one with the extension ".xml". The files are identical with one exception - the ".xml" files contain a xsl stylesheet reference for pretty rendering of the wsdl.

2.5   Service Invocation Examples

The following examples messages illustrate how a UICDS client would interact with the UICDS core for the basic tasks of:
1. Getting setup to receive notifications about UICDS work products
2. Creating, closing, and archiving an incident
3. Receiving notifications
4. Creating and associating a work product that does not have a corresponding UICDS service with an incident

2.5.1 Create a UICDS Resource Profile

The first step to get setup to receive notifications is to create a profile that describes the interests in UICDS work products that an application needs.   A request to create a resource profile can be POSTed to the Resource Profile Service at:

> https://localhost/uicds/core/ws/services/ResourceProfileService

The following example creates a Resource Profile named IncidentManagementApplication that specifies interests in Incident, Alert, MapViewContext, and ICS UICDS work products.

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <soapenv:Header xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"/>
  <soapenv:Body xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
    <rps:CreateProfileRequest xmlns:rps="http://uicds.org/ResourceProfileService"
                  xmlns:precisb="http://www.saic.com/precis/2009/06/base"
                  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
      <rps:Profile xmlns:rps="http://uicds.org/ResourceProfileService">
        <rps:ID xmlns:rps="http://uicds.org/ResourceProfileService">IncidentManagementApplication</rps:ID>
        <rps:Description xmlns:rps="http://uicds.org/ResourceProfileService">Application that manages
incidents</rps:Description>
        <rps:ResourceTyping xmlns:rps="http://uicds.org/ResourceProfileService">
                                  <rps:Type precisb:codespace="http://www.fema.gov/emergency/nims"
precisb:label="Category">Resource Management (ESF #7)</rps:Type>
                                  <rps:Type precisb:codespace="http://www.fema.gov/emergency/nims"
precisb:label="Kind">Team</rps:Type>
                                  <rps:Type precisb:codespace="http://www.fema.gov/emergency/nims"
precisb:label="Resource">Incident Management Team</rps:Type>
                                  <rps:Type precisb:codespace="http://www.fema.gov/emergency/nims"
precisb:label="Minimum Capabilities">TypeIII</rps:Type>
        </rps:ResourceTyping>
        <rps:Interests xmlns:rps="http://uicds.org/ResourceProfileService">
          <rps:Interest xmlns:rps="http://uicds.org/ResourceProfileService">
            <rps:TopicExpression
xmlns:rps="http://uicds.org/ResourceProfileService">Incident</rps:TopicExpression>
          </rps:Interest>
          <rps:Interest xmlns:rps="http://uicds.org/ResourceProfileService">
            <rps:TopicExpression
xmlns:rps="http://uicds.org/ResourceProfileService">Alert</rps:TopicExpression>
          </rps:Interest>
          <rps:Interest xmlns:rps="http://uicds.org/ResourceProfileService">
            <rps:TopicExpression
xmlns:rps="http://uicds.org/ResourceProfileService">MapViewContext</rps:TopicExpression>
          </rps:Interest>
          <rps:Interest xmlns:rps="http://uicds.org/ResourceProfileService">
            <rps:TopicExpression xmlns:rps="http://uicds.org/ResourceProfileService">ICS</rps:TopicExpression>
          </rps:Interest>
        </rps:Interests>
      </rps:Profile>
    </rps:CreateProfileRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Expected Response:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"/>
  <SOAP-ENV:Body xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
    <res:CreateProfileResponse xmlns:res="http://uicds.org/ResourceProfileService">
      <res:Profile xmlns:res="http://uicds.org/ResourceProfileService">
        <res:ID xmlns:base="http://www.saic.com/precis/2009/06/base"
            xmlns:res="http://uicds.org/ResourceProfileService"
            base:label="ID">IncidentManagementApplication</res:ID>
        <res:Description xmlns:res="http://uicds.org/ResourceProfileService">Application that manages
incidents</res:Description>
```

```
        <res:ResourceTyping xmlns:res="http://uicds.org/ResourceProfileService">
          <res:Type xmlns:base="http://www.saic.com/precis/2009/06/base"
                 xmlns:res="http://uicds.org/ResourceProfileService"
                 base:codespace="http://www.fema.gov/emergency/nims"
                 base:label="Minimum Capabilities">TypeIII</res:Type>
          <res:Type xmlns:base="http://www.saic.com/precis/2009/06/base"
                 xmlns:res="http://uicds.org/ResourceProfileService"
                 base:codespace="http://www.fema.gov/emergency/nims"
                 base:label="Category">Resource Management (ESF #7)</res:Type>
          <res:Type xmlns:base="http://www.saic.com/precis/2009/06/base"
                 xmlns:res="http://uicds.org/ResourceProfileService"
                 base:codespace="http://www.fema.gov/emergency/nims"
                 base:label="Resource">Incident Management Team</res:Type>
          <res:Type xmlns:base="http://www.saic.com/precis/2009/06/base"
                 xmlns:res="http://uicds.org/ResourceProfileService"
                 base:codespace="http://www.fema.gov/emergency/nims"
                 base:label="Kind">Team</res:Type>
        </res:ResourceTyping>
        <res:Interests xmlns:res="http://uicds.org/ResourceProfileService">
          <res:Interest xmlns:res="http://uicds.org/ResourceProfileService">
            <res:TopicExpression
xmlns:res="http://uicds.org/ResourceProfileService">MapViewContext</res:TopicExpression>
          </res:Interest>
          <res:Interest xmlns:res="http://uicds.org/ResourceProfileService">
            <res:TopicExpression xmlns:res="http://uicds.org/ResourceProfileService">ICS</res:TopicExpression>
          </res:Interest>
          <res:Interest xmlns:res="http://uicds.org/ResourceProfileService">
            <res:TopicExpression
xmlns:res="http://uicds.org/ResourceProfileService">Alert</res:TopicExpression>
          </res:Interest>
          <res:Interest xmlns:res="http://uicds.org/ResourceProfileService">
            <res:TopicExpression
xmlns:res="http://uicds.org/ResourceProfileService">Incident</res:TopicExpression>
          </res:Interest>
        </res:Interests>
      </res:Profile>
    </res:CreateProfileResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

2.5.2 Retrieving a Resource Profile

The information about the profile that was just created for IncidentManagementApplication can also be retrieved.   A request to get a resource profile can be POSTed to the Resource Profile Service at:

> https://localhost/uicds/core/ws/services/ResourceProfileService

The following example request will return the information about the IncidentManagementApplication Resource Profile.

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV = "http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header/>
  <SOAP-ENV:Body>
```

```
    <ris:GetProfileRequest xsi:schemaLocation="http://uicds.org/ResourceProfileService
C:\uicds\schemas\services\ResourceProfile\0.1\ResourceProfileService.xsd"
xmlns:ris="http://uicds.org/ResourceProfileService" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <ris:ID>IncidentManagementApplication</ris:ID>
    </ris:GetProfileRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Expected Response:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"/>
  <SOAP-ENV:Body xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
   <res:GetProfileResponse xmlns:res="http://uicds.org/ResourceProfileService">
    <res:Profile xmlns:res="http://uicds.org/ResourceProfileService">
     <res:ID xmlns:base="http://www.saic.com/precis/2009/06/base"
          xmlns:res="http://uicds.org/ResourceProfileService"
          base:label="ID">IncidentManagementApplication</res:ID>
     <res:Description xmlns:res="http://uicds.org/ResourceProfileService">Application that manages
incidents</res:Description>
      <res:ResourceTyping xmlns:res="http://uicds.org/ResourceProfileService">
       <res:Type xmlns:base="http://www.saic.com/precis/2009/06/base"
            xmlns:res="http://uicds.org/ResourceProfileService"
            base:codespace="http://www.fema.gov/emergency/nims"
            base:label="Minimum Capabilities">TypeIII</res:Type>
       <res:Type xmlns:base="http://www.saic.com/precis/2009/06/base"
            xmlns:res="http://uicds.org/ResourceProfileService"
            base:codespace="http://www.fema.gov/emergency/nims"
            base:label="Category">Resource Management (ESF #7)</res:Type>
       <res:Type xmlns:base="http://www.saic.com/precis/2009/06/base"
            xmlns:res="http://uicds.org/ResourceProfileService"
            base:codespace="http://www.fema.gov/emergency/nims"
            base:label="Resource">Incident Management Team</res:Type>
       <res:Type xmlns:base="http://www.saic.com/precis/2009/06/base"
            xmlns:res="http://uicds.org/ResourceProfileService"
            base:codespace="http://www.fema.gov/emergency/nims"
            base:label="Kind">Team</res:Type>
      </res:ResourceTyping>
      <res:Interests xmlns:res="http://uicds.org/ResourceProfileService">
       <res:Interest xmlns:res="http://uicds.org/ResourceProfileService">
        <res:TopicExpression
xmlns:res="http://uicds.org/ResourceProfileService">MapViewContext</res:TopicExpression>
       </res:Interest>
       <res:Interest xmlns:res="http://uicds.org/ResourceProfileService">
        <res:TopicExpression xmlns:res="http://uicds.org/ResourceProfileService">ICS</res:TopicExpression>
       </res:Interest>
       <res:Interest xmlns:res="http://uicds.org/ResourceProfileService">
        <res:TopicExpression
xmlns:res="http://uicds.org/ResourceProfileService">Alert</res:TopicExpression>
       </res:Interest>
       <res:Interest xmlns:res="http://uicds.org/ResourceProfileService">
        <res:TopicExpression
xmlns:res="http://uicds.org/ResourceProfileService">Incident</res:TopicExpression>
       </res:Interest>
      </res:Interests>
```

```
    </res:Profile>
    </res:GetProfileResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

2.5.3 Register a UICDS Application as a Resource Instance

An application that wants to receive notifications from UICDS needs to register so that it can get a unique endpoint. This registration will apply the resource profile designated in the ResoureProfileID element to the newly created resource instance that represents the application. The application of this profile means that the notification endpoint contained in the ResourceInstance in the response will receive notifications for the interests expressed in the resource profile. A request to register an application using a resource profile can be POSTed to the Resource Instance Service at:

https://localhost/uicds/core/ws/services/ResourceInstanceService

The following example requests the creation of a Resource Instance named SuperIncidentManagementApplication with a profile of IncidentManagementApplication.

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
 <soapenv:Header/>
 <soapenv:Body>
  <ris:RegisterRequest xmlns:ris="http://uicds.org/ResourceInstanceService"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <ris:ID>SuperIncidentManagementApplication</ris:ID>
    <ris:LocalResourceID/>
    <ris:ResourceProfileID>IncidentManagementApplication</ris:ResourceProfileID>
  </ris:RegisterRequest>
 </soapenv:Body>
</soapenv:Envelope>
```

The following expected response shows that the SuperIncidentManagementApplication received a notification endpoint of
"https://clash.saic.com/uicds/core/ws/services/SuperIncidentManagementApplication" for use in retrieving notifications.

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"/>
  <SOAP-ENV:Body xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
    <res:RegisterResponse xmlns:res="http://uicds.org/ResourceInstanceService">
     <res:ResourceInstance xmlns:res="http://uicds.org/ResourceInstanceService">
       <res:ID xmlns:base="http://www.saic.com/precis/2009/06/base"
            xmlns:res="http://uicds.org/ResourceInstanceService"
            base:label="ID">SuperIncidentManagementApplication</res:ID>
       <res:Description xmlns:res="http://uicds.org/ResourceInstanceService">Application that manages
incidents</res:Description>
        <res:SourceIdentification xmlns:res="http://uicds.org/ResourceInstanceService">
         <res:LocalResourceID xmlns:res="http://uicds.org/ResourceInstanceService"/>
         <res:CoreID xmlns:res="http://uicds.org/ResourceInstanceService">clash.saic.com</res:CoreID>
       </res:SourceIdentification>
       <res:Endpoints xmlns:res="http://uicds.org/ResourceInstanceService">
```

```
        <res:Endpoint xmlns:res="http://uicds.org/ResourceInstanceService">
            <add:Address
xmlns:add="http://www.w3.org/2005/08/addressing">https://clash.saic.com/uicds/core/ws/services/SuperIncidentM
anagementApplication</add:Address>
        </res:Endpoint>
      </res:Endpoints>
      <res:ProfileIDs xmlns:res="http://uicds.org/ResourceInstanceService">
        <res:ProfileID
xmlns:res="http://uicds.org/ResourceInstanceService">IncidentManagementApplication</res:ProfileID>
      </res:ProfileIDs>
    </res:ResourceInstance>
  </res:RegisterResponse>
 </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

2.5.4 Retrieving a Resource Instance

To retrieve information about our registered UICDS application, we POST the request to the
Resource Instance Service to get the list of resource instances.

> https://localhost/uicds/core/ws/services/ResourceInstanceService

Request:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV = "http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header/>
  <SOAP-ENV:Body>
    <ris:GetResourceInstanceListRequest xmlns:ris="http://uicds.org/ResourceInstanceService"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <ris:QueryString></ris:QueryString>
    </ris:GetResourceInstanceListRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Expected Response:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"/>
  <SOAP-ENV:Body xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
    <res:GetResourceInstanceListResponse xmlns:res="http://uicds.org/ResourceInstanceService">
      <res:ResourceInstanceList xmlns:res="http://uicds.org/ResourceInstanceService">
        <res:ResourceInstance xmlns:res="http://uicds.org/ResourceInstanceService">
          <res:ID xmlns:base="http://www.saic.com/precis/2009/06/base"
                xmlns:res="http://uicds.org/ResourceInstanceService"
                base:label="ID">SuperIncidentManagementApplication</res:ID>
          <res:Description xmlns:res="http://uicds.org/ResourceInstanceService">Application that manages
incidents</res:Description>
          <res:SourceIdentification xmlns:res="http://uicds.org/ResourceInstanceService">
            <res:LocalResourceID xmlns:res="http://uicds.org/ResourceInstanceService"/>
            <res:CoreID xmlns:res="http://uicds.org/ResourceInstanceService">clash.saic.com</res:CoreID>
          </res:SourceIdentification>
          <res:Endpoints xmlns:res="http://uicds.org/ResourceInstanceService">
            <res:Endpoint xmlns:res="http://uicds.org/ResourceInstanceService">
```

```
            <add:Address
xmlns:add="http://www.w3.org/2005/08/addressing">https://clash.saic.com/uicds/core/ws/services/SuperIncidentM
anagementApplication</add:Address>
          </res:Endpoint>
        </res:Endpoints>
        <res:ProfileIDs xmlns:res="http://uicds.org/ResourceInstanceService">
         <res:ProfileID
xmlns:res="http://uicds.org/ResourceInstanceService">IncidentManagementApplication</res:ProfileID>
        </res:ProfileIDs>
      </res:ResourceInstance>
    </res:ResourceInstanceList>
   </res:GetResourceInstanceListResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

2.5.5 Create a New Incident

A new incident can be created from a CAP alert or a NIEM IncidentType by POSTing the appropriate message to the Incident Management Service at:

> https://localhost/uicds/core/ws/services/IncidentManagementService

An example of creating an incident from a CAP message is:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
 <soapenv:Header/>
 <soapenv:Body>
<ims:CreateIncidentFromCapRequest xmlns:cap="urn:oasis:names:tc:emergency:cap:1.1"
xmlns:ims="http://uicds.org/IncidentManagementService">
  <cap:alert>
    <cap:identifier>UICDS-Test-Identifier1</cap:identifier>
    <cap:sender>IncidentManagement@agency.gov</cap:sender>
    <cap:sent>2009-09-15T12:00:00</cap:sent>
    <cap:status>Actual</cap:status>
    <cap:msgType>Alert</cap:msgType>
    <cap:scope>Public</cap:scope>
    <cap:info>
      <cap:language>en-US</cap:language>
      <cap:category>CBRNE</cap:category>
      <cap:event>A hazardous chemical event has occurred</cap:event>
      <cap:urgency>Immediate</cap:urgency>
      <cap:severity>Extreme</cap:severity>
      <cap:certainty>Observed</cap:certainty>
      <cap:effective>2009-09-15T12:00:00</cap:effective>
      <cap:onset>2009-09-15T12:00:00</cap:onset>
      <cap:senderName>Bob McGillicuddy</cap:senderName>
      <cap:headline>A hazardous chemical event has occurred</cap:headline>
      <cap:description>Overturned tanker on the highway.</cap:description>
      <cap:area>
        <cap:areaDesc>The highway, mile marker 128</cap:areaDesc>
        <cap:polygon>-77.3,38.8 -77.1,38.8 -77.1,39.0 -77.3,39.0 -77.3,38.8</cap:polygon>
      </cap:area>
    </cap:info>
```

```
    </cap:alert>
</ims:CreateIncidentFromCapRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Expected Response:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"/>
  <SOAP-ENV:Body xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
    <inc:CreateIncidentFromCapResponse xmlns:inc="http://uicds.org/IncidentManagementService">
      <wor:WorkProductPublicationResponse xmlns:wor="http://uicds.org/WorkProductService">
        <str:WorkProductProcessingStatus xmlns:str="http://www.saic.com/precis/2009/06/structures">
          <base:Status xmlns:base="http://www.saic.com/precis/2009/06/base">Accepted</base:Status>
        </str:WorkProductProcessingStatus>
        <str:WorkProduct xmlns:str="http://www.saic.com/precis/2009/06/structures">
          <ulex:PackageMetadata xmlns:ulex="ulex:message:structure:1.0">
            <ulex:DataItemID xmlns:ulex="ulex:message:structure:1.0">Incident-d5a3586a-eaef-4a2f-a2b6-
6be0ba250e35</ulex:DataItemID>
            <ulex:DataItemReferenceID xmlns:ulex="ulex:message:structure:1.0">Incident-d5a3586a-eaef-4a2f-
a2b6-6be0ba250e35</ulex:DataItemReferenceID>
            <ns:DataItemStatus xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="Active"
                      ns:codespace="http://uicds.org/1.0/codespace/workproduct/status"
                      ns:label="UICDS Work Product Status"/>
            <ulex:DataOwnerMetadata xmlns:ulex="ulex:message:structure:1.0">
              <ns:DataOwnerIdentifier xmlns:ns="http://ucore.gov/ucore/2.0">
                <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
                  <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">ucids.org</ns1:name>
                </ns1:Organization>
              </ns:DataOwnerIdentifier>
              <ns:DataOwnerContact xmlns:ns="http://ucore.gov/ucore/2.0">
                <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
                  <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">http://uicds.us</ns1:name>
                </ns1:Organization>
              </ns:DataOwnerContact>
              <ulex:DataOwnerMetadataDomainAttribute xmlns:ulex="ulex:message:structure:1.0">
                <ulex:DomainName xmlns:ulex="ulex:message:structure:1.0">UICDS EM
Domain</ulex:DomainName>
              </ulex:DataOwnerMetadataDomainAttribute>
            </ulex:DataOwnerMetadata>
            <ns:DisseminationCriteria xmlns:ns="http://ucore.gov/ucore/2.0"/>
            <str:WorkProductIdentification xmlns:str="http://www.saic.com/precis/2009/06/structures">
              <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">Incident-d5a3586a-eaef-
4a2f-a2b6-6be0ba250e35</base:Identifier>
              <base:Version xmlns:base="http://www.saic.com/precis/2009/06/base">1</base:Version>
              <base:Type xmlns:base="http://www.saic.com/precis/2009/06/base">Incident</base:Type>
              <base:Checksum xmlns:base="http://www.saic.com/precis/2009/06/base">Mon Sep 27 14:10:02 EDT
2010:1:4:3056352419</base:Checksum>
              <base:State xmlns:base="http://www.saic.com/precis/2009/06/base">Active</base:State>
            </str:WorkProductIdentification>
            <str:WorkProductProperties xmlns:str="http://www.saic.com/precis/2009/06/structures">
              <base:Created xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-27T14:10:02.578-
04:00</base:Created>
              <base:CreatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:CreatedBy>
```

```
            <base:LastUpdated xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-
27T14:10:02.578-04:00</base:LastUpdated>
                <base:LastUpdatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:LastUpdatedBy>
                <base:Kilobytes xmlns:base="http://www.saic.com/precis/2009/06/base">4</base:Kilobytes>
                <base:MimeType
xmlns:base="http://www.saic.com/precis/2009/06/base">application/uicds+xml</base:MimeType>
                <base:AssociatedGroups xmlns:base="http://www.saic.com/precis/2009/06/base">
                    <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">IG-77b91a2f-90a2-442e-
87c7-354c49996cbf</base:Identifier>
                </base:AssociatedGroups>
            </str:WorkProductProperties>
        </ulex:PackageMetadata>
        <ns:Digest xmlns:ns="http://ucore.gov/ucore/2.0">
        <ns:Event xmlns:ns="http://ucore.gov/ucore/2.0"
                id="Event-7606d73f-a9a8-42b8-a076-5e72a6abca8b">
        <ns:Descriptor xmlns:ns="http://ucore.gov/ucore/2.0">Overturned tanker on the
highway.</ns:Descriptor>
                <ns:Identifier xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="ActivityName"
                        ns:codespace="http://niem.gov/niem/niem-core/2.0"
                        ns:label="ID">A hazardous chemical event has occurred</ns:Identifier>
            <ns:What xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="CBRNE"
                    ns:codespace="http://ucore.gov/ucore/2.0/codespace/"/>
        </ns:Event>
        <ns:Location xmlns:ns="http://ucore.gov/ucore/2.0"
                id="Location-2d587558-01a0-42a5-b5a7-442e520c5ccb">
        <ns:GeoLocation xmlns:ns="http://ucore.gov/ucore/2.0">
            <ns:Polygon xmlns:ns="http://ucore.gov/ucore/2.0">
            <ns1:Polygon xmlns:ns1="http://www.opengis.net/gml/3.2"
                        ns1:id="Polygon-9a54b2b9-3705-4472-840e-fa563ddcc12c"
                        srsName="EPSG:4326">
                <ns1:exterior xmlns:ns1="http://www.opengis.net/gml/3.2">
                    <ns1:LinearRing xmlns:ns1="http://www.opengis.net/gml/3.2">
                        <ns1:pos xmlns:ns1="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">38.80000 -
77.30000</ns1:pos>
                        <ns1:pos xmlns:ns1="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">38.80000 -
77.10000</ns1:pos>
                        <ns1:pos xmlns:ns1="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">39.00000 -
77.10000</ns1:pos>
                        <ns1:pos xmlns:ns1="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">39.00000 -
77.30000</ns1:pos>
                        <ns1:pos xmlns:ns1="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">38.80000 -
77.30000</ns1:pos>
                    </ns1:LinearRing>
                </ns1:exterior>
            </ns1:Polygon>
            </ns:Polygon>
        </ns:GeoLocation>
        </ns:Location>
        <ns:OccursAt xmlns:ns="http://ucore.gov/ucore/2.0"
                id="OccursAt-29f6c75d-b9a1-44d9-8c8f-903b6524aebe">
        <ns:Time xmlns:ns="http://ucore.gov/ucore/2.0">
            <ns:TimeInstant xmlns:ns="http://ucore.gov/ucore/2.0">
                <Value xmlns="http://ucore.gov/ucore/2.0">2009-09-15T12:00:00-04:00</Value>
            </ns:TimeInstant>
        </ns:Time>
```

```
            <ns:EventRef xmlns:ns="http://ucore.gov/ucore/2.0"
                    ref="Event-7606d73f-a9a8-42b8-a076-5e72a6abca8b"/>
            <ns:LocationRef xmlns:ns="http://ucore.gov/ucore/2.0"
                    ref="Location-2d587558-01a0-42a5-b5a7-442e520c5ccb"/>
          </ns:OccursAt>
        </ns:Digest>
      </str:WorkProduct>
    </wor:WorkProductPublicationResponse>
  </inc:CreateIncidentFromCapResponse>
 </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

2.5.6 Publish a New Work Product

This example shows how to publish new work products and associate them to an incident with UICDS. It will show how to publish a standard UICDS work product and XML, binary, and link work products.

2.5.6.1   Standard UICDS Work Product

A standard UICDS work product is one that has an associated UICDS service. For this example we will use the UICDS Alert Service that accepts a CAP version 1.1 message as a work product. The Alert Service is at:

> https://localhost/uicds/core/ws/services/ProductService

The CAP message that was used to create the incident is used here again to create an Alert work product as shown in the following example message. The Incident identifier from the CreateIncidentResponse is used in the incidentId field to automatically associate the new Alert work product with the incident.

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
 <soapenv:Header xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"/>
 <soapenv:Body xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
    <as:CreateAlertRequest xmlns:as="http://uicds.org/AlertService"
               xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
               xmlns:cap="urn:oasis:names:tc:emergency:cap:1.1"
               xsi:schemaLocation="http://uicds.org/AlertService AlertService.xsd">
      <as:incidentId xmlns:as="http://uicds.org/AlertService">IG-77b91a2f-90a2-442e-87c7-
354c49996cbf</as:incidentId>
      <cap:alert xmlns:cap="urn:oasis:names:tc:emergency:cap:1.1">
        <cap:identifier xmlns:cap="urn:oasis:names:tc:emergency:cap:1.1">UICDS-Test-Identifier1</cap:identifier>
        <cap:sender
xmlns:cap="urn:oasis:names:tc:emergency:cap:1.1">IncidentManagement@agency.gov</cap:sender>
        <cap:sent xmlns:cap="urn:oasis:names:tc:emergency:cap:1.1">2009-09-15T12:00:00</cap:sent>
        <cap:status xmlns:cap="urn:oasis:names:tc:emergency:cap:1.1">Actual</cap:status>
        <cap:msgType xmlns:cap="urn:oasis:names:tc:emergency:cap:1.1">Alert</cap:msgType>
        <cap:scope xmlns:cap="urn:oasis:names:tc:emergency:cap:1.1">Public</cap:scope>
        <cap:info xmlns:cap="urn:oasis:names:tc:emergency:cap:1.1">
          <cap:language xmlns:cap="urn:oasis:names:tc:emergency:cap:1.1">en-US</cap:language>
          <cap:category xmlns:cap="urn:oasis:names:tc:emergency:cap:1.1">CBRNE</cap:category>
```

```
        <cap:event xmlns:cap="urn:oasis:names:tc:emergency:cap:1.1">A hazardous chemical event has
occurred</cap:event>
        <cap:urgency xmlns:cap="urn:oasis:names:tc:emergency:cap:1.1">Immediate</cap:urgency>
        <cap:severity xmlns:cap="urn:oasis:names:tc:emergency:cap:1.1">Extreme</cap:severity>
        <cap:certainty xmlns:cap="urn:oasis:names:tc:emergency:cap:1.1">Observed</cap:certainty>
        <cap:effective xmlns:cap="urn:oasis:names:tc:emergency:cap:1.1">2009-09-15T12:00:00</cap:effective>
        <cap:onset xmlns:cap="urn:oasis:names:tc:emergency:cap:1.1">2009-09-15T12:00:00</cap:onset>
        <cap:senderName xmlns:cap="urn:oasis:names:tc:emergency:cap:1.1">Bob
McGillicuddy</cap:senderName>
        <cap:headline xmlns:cap="urn:oasis:names:tc:emergency:cap:1.1">A hazardous chemical event has
occurred</cap:headline>
        <cap:description xmlns:cap="urn:oasis:names:tc:emergency:cap:1.1">Overturned tanker on the
highway.</cap:description>
        <cap:area xmlns:cap="urn:oasis:names:tc:emergency:cap:1.1">
          <cap:areaDesc xmlns:cap="urn:oasis:names:tc:emergency:cap:1.1">The highway, mile marker
128</cap:areaDesc>
          <cap:polygon xmlns:cap="urn:oasis:names:tc:emergency:cap:1.1">38.8,-77.3 38.8,-77.1 39.0,-77.1
39.0,-77.3 38.8,-77.3</cap:polygon>
        </cap:area>
      </cap:info>
    </cap:alert>
  </as:CreateAlertRequest>
 </soapenv:Body>
</soapenv:Envelope>
```

Expected Response:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"/>
  <SOAP-ENV:Body xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
    <aler:CreateAlertResponse xmlns:aler="http://uicds.org/AlertService">
      <wor:WorkProductPublicationResponse xmlns:wor="http://uicds.org/WorkProductService">
        <str:WorkProductProcessingStatus xmlns:str="http://www.saic.com/precis/2009/06/structures">
          <base:Status xmlns:base="http://www.saic.com/precis/2009/06/base">Accepted</base:Status>
        </str:WorkProductProcessingStatus>
        <str:WorkProduct xmlns:str="http://www.saic.com/precis/2009/06/structures">
          <ulex:PackageMetadata xmlns:ulex="ulex:message:structure:1.0">
            <ulex:DataItemID xmlns:ulex="ulex:message:structure:1.0">Alert-bd10d267-57f1-4233-b0e2-
bd21062f1b7e</ulex:DataItemID>
            <ulex:DataItemReferenceID xmlns:ulex="ulex:message:structure:1.0">Alert-bd10d267-57f1-4233-b0e2-
bd21062f1b7e</ulex:DataItemReferenceID>
            <ns:DataItemStatus xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="Active"
                   ns:codespace="http://uicds.org/1.0/codespace/workproduct/status"
                   ns:label="UICDS Work Product Status"/>
            <ulex:DataOwnerMetadata xmlns:ulex="ulex:message:structure:1.0">
              <ns:DataOwnerIdentifier xmlns:ns="http://ucore.gov/ucore/2.0">
                <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
                  <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">ucids.org</ns1:name>
                </ns1:Organization>
              </ns:DataOwnerIdentifier>
              <ns:DataOwnerContact xmlns:ns="http://ucore.gov/ucore/2.0">
                <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
                  <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">http://uicds.us</ns1:name>
                </ns1:Organization>
              </ns:DataOwnerContact>
```

```
        <ulex:DataOwnerMetadataDomainAttribute xmlns:ulex="ulex:message:structure:1.0">
          <ulex:DomainName xmlns:ulex="ulex:message:structure:1.0">UICDS EM
Domain</ulex:DomainName>
          </ulex:DataOwnerMetadataDomainAttribute>
        </ulex:DataOwnerMetadata>
        <ns:DisseminationCriteria xmlns:ns="http://ucore.gov/ucore/2.0"/>
        <str:WorkProductIdentification xmlns:str="http://www.saic.com/precis/2009/06/structures">
          <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">Alert-bd10d267-57f1-4233-
b0e2-bd21062f1b7e</base:Identifier>
          <base:Version xmlns:base="http://www.saic.com/precis/2009/06/base">1</base:Version>
          <base:Type xmlns:base="http://www.saic.com/precis/2009/06/base">Alert</base:Type>
          <base:Checksum xmlns:base="http://www.saic.com/precis/2009/06/base">Mon Sep 27 14:10:03 EDT
2010:1:1:1575191619</base:Checksum>
          <base:State xmlns:base="http://www.saic.com/precis/2009/06/base">Active</base:State>
        </str:WorkProductIdentification>
        <str:WorkProductProperties xmlns:str="http://www.saic.com/precis/2009/06/structures">
          <base:Created xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-27T14:10:03.187-
04:00</base:Created>
          <base:CreatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:CreatedBy>
          <base:LastUpdated xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-
27T14:10:03.187-04:00</base:LastUpdated>
          <base:LastUpdatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:LastUpdatedBy>
          <base:Kilobytes xmlns:base="http://www.saic.com/precis/2009/06/base">1</base:Kilobytes>
          <base:MimeType
xmlns:base="http://www.saic.com/precis/2009/06/base">application/uicds+xml</base:MimeType>
          <base:AssociatedGroups xmlns:base="http://www.saic.com/precis/2009/06/base">
            <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">IG-77b91a2f-90a2-442e-
87c7-354c49996cbf</base:Identifier>
          </base:AssociatedGroups>
        </str:WorkProductProperties>
      </ulex:PackageMetadata>
      <ns:Digest xmlns:ns="http://ucore.gov/ucore/2.0">
        <ns:Event xmlns:ns="http://ucore.gov/ucore/2.0"
            id="Event-5d68ab9c-d213-4401-acc8-e2a198c61c4b">
          <ns:Descriptor xmlns:ns="http://ucore.gov/ucore/2.0">Overturned tanker on the
highway.</ns:Descriptor>
          <ns:Identifier xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="identifier"
              ns:codespace="urn:oasis:names:tc:emergency:cap:1.1"
              ns:label="ID">UICDS-Test-Identifier1</ns:Identifier>
          <ns:What xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="AlertEvent"
              ns:codespace="http://ucore.gov/ucore/2.0/codespace/"/>
          <ns:What xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="CBRNE"
              ns:codespace="urn:oasis:names:tc:emergency:cap:1.1"/>
        </ns:Event>
        <ns:Location xmlns:ns="http://ucore.gov/ucore/2.0"
            id="Location-74d7a3db-f12f-43a2-91ea-4e938ab32ae8">
          <ns:GeoLocation xmlns:ns="http://ucore.gov/ucore/2.0">
            <ns:Polygon xmlns:ns="http://ucore.gov/ucore/2.0">
              <ns1:Polygon xmlns:ns1="http://www.opengis.net/gml/3.2"
                  ns1:id="Polygon-dc1d27d8-585a-4a61-930d-1932fe0bb4e7"
                  srsName="EPSG:4326">
                <ns1:exterior xmlns:ns1="http://www.opengis.net/gml/3.2">
                  <ns1:LinearRing xmlns:ns1="http://www.opengis.net/gml/3.2">
                    <ns1:pos xmlns:ns1="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">38.8 -
```

```
77.3</ns1:pos>
                        <ns1:pos xmlns:ns1="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">38.8 -
77.1</ns1:pos>
                        <ns1:pos xmlns:ns1="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">39.0 -
77.1</ns1:pos>
                        <ns1:pos xmlns:ns1="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">39.0 -
77.3</ns1:pos>
                        <ns1:pos xmlns:ns1="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">38.8 -
77.3</ns1:pos>
                      </ns1:LinearRing>
                    </ns1:exterior>
                  </ns1:Polygon>
                </ns:Polygon>
              </ns:GeoLocation>
            </ns:Location>
            <ns:OccursAt xmlns:ns="http://ucore.gov/ucore/2.0"
                    id="OccursAt-d5087a58-bb63-480f-ab92-3feaa615400e">
              <ns:Time xmlns:ns="http://ucore.gov/ucore/2.0">
                <ns:TimeInstant xmlns:ns="http://ucore.gov/ucore/2.0">
                  <Value xmlns="http://ucore.gov/ucore/2.0">2009-09-15T12:00:00-04:00</Value>
                </ns:TimeInstant>
              </ns:Time>
              <ns:EventRef xmlns:ns="http://ucore.gov/ucore/2.0"
                    ref="Event-5d68ab9c-d213-4401-acc8-e2a198c61c4b"/>
              <ns:LocationRef xmlns:ns="http://ucore.gov/ucore/2.0"
                      ref="Location-74d7a3db-f12f-43a2-91ea-4e938ab32ae8"/>
            </ns:OccursAt>
          </ns:Digest>
        </str:WorkProduct>
      </wor:WorkProductPublicationResponse>
    </aler:CreateAlertResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

2.5.6.2   XML Content Work Products

In this instance, it is a Feature which is represented by an Atom element. Note that a UCore Digest element has been included to summarize the work product. To publish the work product, post the following request to the Work Product Service.

https://localhost/uicds/core/ws/services/ProductService

Request:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
 <SOAP-ENV:Header xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"/>
 <SOAP-ENV:Body xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
   <wp:PublishProductRequest xmlns:ddms="http://metadata.dod.mil/mdr/ns/DDMS/2.0/"
              xmlns:ucore="http://ucore.gov/ucore/2.0"
              xmlns:wp="http://uicds.org/WorkProductService"
              xmlns:gml="http://www.opengis.net/gml/3.2"
              xmlns:preciss="http://www.saic.com/precis/2009/06/structures"
              xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
              xmlns:ulex="ulex:message:structure:1.0"
```

```xml
                                xsi:schemaLocation="http://uicds.org/WorkProductService">
                <preciss:WorkProduct xmlns:preciss="http://www.saic.com/precis/2009/06/structures">
                        <ulex:PackageMetadata xmlns:ulex="ulex:message:structure:1.0">
                                <ulex:DataItemID xmlns:ulex="ulex:message:structure:1.0"/>
                                <ulex:DataItemReferenceID xmlns:ulex="ulex:message:structure:1.0"/>
                                <ucore:DataItemStatus xmlns:ucore="http://ucore.gov/ucore/2.0"
ucore:label="Active"/>
                                <ulex:DataOwnerMetadata xmlns:ulex="ulex:message:structure:1.0">
                                        <ucore:DataOwnerIdentifier xmlns:ucore="http://ucore.gov/ucore/2.0">
                                                <ddms:Organization
xmlns:ddms="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
                                                        <ddms:name
xmlns:ddms="http://metadata.dod.mil/mdr/ns/DDMS/2.0/"/>
                                                </ddms:Organization>
                                        </ucore:DataOwnerIdentifier>
                                        <ucore:DataOwnerContact xmlns:ucore="http://ucore.gov/ucore/2.0">
                                                <ddms:Organization
xmlns:ddms="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
                                                        <ddms:name
xmlns:ddms="http://metadata.dod.mil/mdr/ns/DDMS/2.0/"/>
                                                </ddms:Organization>
                                        </ucore:DataOwnerContact>
                                </ulex:DataOwnerMetadata>
                                <ucore:DisseminationCriteria xmlns:ucore="http://ucore.gov/ucore/2.0"/>
                        </ulex:PackageMetadata>
                        <ucore:Digest xmlns:ucore="http://ucore.gov/ucore/2.0">
                                <ucore:DigestMetadata xmlns:ucore="http://ucore.gov/ucore/2.0"/>
                                <ucore:Location xmlns:ucore="http://ucore.gov/ucore/2.0" id="Loc1">
                                        <ucore:GeoLocation xmlns:ucore="http://ucore.gov/ucore/2.0">
                                                <ucore:Point xmlns:ucore="http://ucore.gov/ucore/2.0">
                                                        <gml:Point
xmlns:gml="http://www.opengis.net/gml/3.2" gml:id="pt1"
                srsName="urn:ogc:def:crs:EPSG:6.6:4326">
                                                                <gml:pos
xmlns:gml="http://www.opengis.net/gml/3.2">37.533933 -77.430024</gml:pos>
                                                        </gml:Point>
                                                </ucore:Point>
                                        </ucore:GeoLocation>
                                </ucore:Location>
                                <ucore:Entity xmlns:ucore="http://ucore.gov/ucore/2.0" id="Entity.T1">
                                        <ucore:Descriptor xmlns:ucore="http://ucore.gov/ucore/2.0">Chlorine
Truck</ucore:Descriptor>
                                        <ucore:What xmlns:ucore="http://ucore.gov/ucore/2.0"
ucore:code="Equipment"
                ucore:codespace="http://ucore.gov/ucore/2.0/codespace/"/>
                                </ucore:Entity>
                                <ucore:LocatedAt xmlns:ucore="http://ucore.gov/ucore/2.0" id="LA1">
                                        <ucore:EntityRef xmlns:ucore="http://ucore.gov/ucore/2.0"
ref="Entity.T1"/>
                                        <ucore:LocationRef xmlns:ucore="http://ucore.gov/ucore/2.0"
ref="Loc1"/>
                                </ucore:LocatedAt>
                        </ucore:Digest>
                        <ulex:StructuredPayload xmlns:ulex="ulex:message:structure:1.0">
                                <ulex:StructuredPayloadMetadata xmlns:ulex="ulex:message:structure:1.0">
```

```
                                          <ulex:CommunityURI
xmlns:ulex="ulex:message:structure:1.0">Feature</ulex:CommunityURI>
                                          <ulex:CommunityDescription
xmlns:ulex="ulex:message:structure:1.0"/>
                                          <ulex:CommunityVersion
xmlns:ulex="ulex:message:structure:1.0">1.0</ulex:CommunityVersion>
                                          <ulex:CommunityPedigreeURI
xmlns:ulex="ulex:message:structure:1.0"
ulex:pedigreeNumber="1">http://www.w3.org/2005/Atom</ulex:CommunityPedigreeURI>
                              </ulex:StructuredPayloadMetadata>
                                     <atom:entry xmlns:atom="http://www.w3.org/2005/Atom">
                                          <atom:title
xmlns:atom="http://www.w3.org/2005/Atom">Chlorine Truck</atom:title>
                                          <atom:id
xmlns:atom="http://www.w3.org/2005/Atom">1</atom:id>
                                          <atom:updated
xmlns:atom="http://www.w3.org/2005/Atom">2009-04-15T12:00:00GMT</atom:updated>
                                          <atom:summary
xmlns:atom="http://www.w3.org/2005/Atom">A chlorine tanker truck has made an unscheduled
stop</atom:summary>
                                          <geor:where xmlns:geor="http://www.georss.org/georss">
                                               <gml:Point
xmlns:gml="http://www.opengis.net/gml">
                                                    <gml:pos
xmlns:gml="http://www.opengis.net/gml">37.533933 -77.430024</gml:pos>
                                               </gml:Point>
                                          </geor:where>
                                     </atom:entry>
                         </ulex:StructuredPayload>
                </preciss:WorkProduct>
        </wp:PublishProductRequest>
   </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Expected Response:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"/>
  <SOAP-ENV:Body xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
    <wor:PublishProductResponse xmlns:wor="http://uicds.org/WorkProductService">
      <wor:WorkProductPublicationResponse xmlns:wor="http://uicds.org/WorkProductService">
        <str:WorkProductProcessingStatus xmlns:str="http://www.saic.com/precis/2009/06/structures">
          <base:Status xmlns:base="http://www.saic.com/precis/2009/06/base">Accepted</base:Status>
        </str:WorkProductProcessingStatus>
        <str:WorkProduct xmlns:str="http://www.saic.com/precis/2009/06/structures">
          <ulex:PackageMetadata xmlns:ulex="ulex:message:structure:1.0">
            <ulex:DataItemID xmlns:ulex="ulex:message:structure:1.0">Feature-d867ecb1-197e-40b8-8c55-
2e19db15e66b</ulex:DataItemID>
            <ulex:DataItemReferenceID xmlns:ulex="ulex:message:structure:1.0">Feature-d867ecb1-197e-40b8-
8c55-2e19db15e66b</ulex:DataItemReferenceID>
            <ns:DataItemStatus xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="Active"
                      ns:codespace="http://uicds.org/1.0/codespace/workproduct/status"
                      ns:label="UICDS Work Product Status"/>
            <ulex:DataOwnerMetadata xmlns:ulex="ulex:message:structure:1.0">
              <ns:DataOwnerIdentifier xmlns:ns="http://ucore.gov/ucore/2.0">
```

```
                <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
                   <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">ucids.org</ns1:name>
                </ns1:Organization>
             </ns:DataOwnerIdentifier>
             <ns:DataOwnerContact xmlns:ns="http://ucore.gov/ucore/2.0">
                <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
                   <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">http://uicds.us</ns1:name>
                </ns1:Organization>
             </ns:DataOwnerContact>
             <ulex:DataOwnerMetadataDomainAttribute xmlns:ulex="ulex:message:structure:1.0">
                <ulex:DomainName xmlns:ulex="ulex:message:structure:1.0">UICDS EM
Domain</ulex:DomainName>
             </ulex:DataOwnerMetadataDomainAttribute>
          </ulex:DataOwnerMetadata>
          <ns:DisseminationCriteria xmlns:ns="http://ucore.gov/ucore/2.0"/>
          <str:WorkProductIdentification xmlns:str="http://www.saic.com/precis/2009/06/structures">
             <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">Feature-d867ecb1-197e-
40b8-8c55-2e19db15e66b</base:Identifier>
             <base:Version xmlns:base="http://www.saic.com/precis/2009/06/base">1</base:Version>
             <base:Type xmlns:base="http://www.saic.com/precis/2009/06/base">Feature</base:Type>
             <base:Checksum xmlns:base="http://www.saic.com/precis/2009/06/base">Mon Sep 27 14:10:03 EDT
2010:1:0:719631573</base:Checksum>
             <base:State xmlns:base="http://www.saic.com/precis/2009/06/base">Active</base:State>
          </str:WorkProductIdentification>
          <str:WorkProductProperties xmlns:str="http://www.saic.com/precis/2009/06/structures">
             <base:Created xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-27T14:10:03.359-
04:00</base:Created>
             <base:CreatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:CreatedBy>
             <base:LastUpdated xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-
27T14:10:03.359-04:00</base:LastUpdated>
             <base:LastUpdatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:LastUpdatedBy>
             <base:Kilobytes xmlns:base="http://www.saic.com/precis/2009/06/base">0</base:Kilobytes>
             <base:MimeType
xmlns:base="http://www.saic.com/precis/2009/06/base">application/uicds+xml</base:MimeType>
          </str:WorkProductProperties>
       </ulex:PackageMetadata>
       <ucore:Digest xmlns:ucore="http://ucore.gov/ucore/2.0"
             xmlns:ddms="http://metadata.dod.mil/mdr/ns/DDMS/2.0/"
             xmlns:gml="http://www.opengis.net/gml/3.2"
             xmlns:preciss="http://www.saic.com/precis/2009/06/structures"
             xmlns:ulex="ulex:message:structure:1.0"
             xmlns:wp="http://uicds.org/WorkProductService"
             xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
                      <ucore:DigestMetadata xmlns:ucore="http://ucore.gov/ucore/2.0"/>
                      <ucore:Location xmlns:ucore="http://ucore.gov/ucore/2.0" id="Loc1">
                            <ucore:GeoLocation xmlns:ucore="http://ucore.gov/ucore/2.0">
                                  <ucore:Point xmlns:ucore="http://ucore.gov/ucore/2.0">
                                        <gml:Point
xmlns:gml="http://www.opengis.net/gml/3.2" gml:id="pt1"
             srsName="urn:ogc:def:crs:EPSG:6.6:4326">
                                              <gml:pos
xmlns:gml="http://www.opengis.net/gml/3.2">37.533933 -77.430024</gml:pos>
                                        </gml:Point>
                                  </ucore:Point>
```

```
                                    </ucore:GeoLocation>
                                </ucore:Location>
                                <ucore:Entity xmlns:ucore="http://ucore.gov/ucore/2.0" id="Entity.T1">
                                        <ucore:Descriptor xmlns:ucore="http://ucore.gov/ucore/2.0">Chlorine
Truck</ucore:Descriptor>
                                        <ucore:What xmlns:ucore="http://ucore.gov/ucore/2.0"
ucore:code="Equipment"
                ucore:codespace="http://ucore.gov/ucore/2.0/codespace/"/>
                                </ucore:Entity>
                                <ucore:LocatedAt xmlns:ucore="http://ucore.gov/ucore/2.0" id="LA1">
                                        <ucore:EntityRef xmlns:ucore="http://ucore.gov/ucore/2.0"
ref="Entity.T1"/>
                                        <ucore:LocationRef xmlns:ucore="http://ucore.gov/ucore/2.0"
ref="Loc1"/>
                                </ucore:LocatedAt>
                        </ucore:Digest>
            </str:WorkProduct>
        </wor:WorkProductPublicationResponse>
    </wor:PublishProductResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

The created work product can then be associated with the existing incident using the incident ID
and the work product ID. The incident ID can be obtained from the response of section

2.5.6.3 Binary Content Work Products

A binary work product should be encoded via base64 bit encoding and should be contained
within a BinaryContentType element defined in the
"http://www.saic.com/precis/2009/06/payloads/binary" namespace. The mimeType attribute of
the BinaryContentType should be set to a standard mime type that represents the binary data.
The BinaryContentType is defined in the precis/2009/06/BinaryPayload.xsd file as shown in the
following text box.

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:bin="http://www.saic.com/precis/2009/06/payloads/binary"
xmlns:precisb="http://www.saic.com/precis/2009/06/base"
targetNamespace="http://www.saic.com/precis/2009/06/payloads/binary" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xs:import namespace="http://www.saic.com/precis/2009/06/base" schemaLocation="BaseTypes.xsd"/>
 <!--Payload Types-->
 <xs:complexType name="BinaryContentType">
  <xs:simpleContent>
    <xs:extension base="xs:base64Binary">
     <xs:attribute ref="precisb:label"/>
     <xs:attribute ref="precisb:mimetype" use="required"/>
    </xs:extension>
  </xs:simpleContent>
 </xs:complexType>
 <!--Payload Elements-->
 <xs:element name="BinaryContent" type="bin:BinaryContentType"/>
</xs:schema>
```

2.5.6.4   Link Content Work Products

A link content work product contains a URL to information and should be contained within a LinkContentType element defined in the "http://www.saic.com/precis/2009/06/payloads/link" namespace. The LinkContentType is defined in the precis/2009/06/BinaryPayload.xsd file as shown in the following text box.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:precisb="http://www.saic.com/precis/2009/06/base"
xmlns:link="http://www.saic.com/precis/2009/06/payloads/link"
targetNamespace="http://www.saic.com/precis/2009/06/payloads/link" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xs:import namespace="http://www.saic.com/precis/2009/06/base" schemaLocation="BaseTypes.xsd"/>
  <!--Payload Types-->
  <xs:complexType name="LinkContentType">
   <xs:sequence>
     <xs:element ref="link:Protocol"/>
     <xs:element ref="link:Address"/>
   </xs:sequence>
   <xs:attribute ref="precisb:label"/>
  </xs:complexType>
  <!--Payload Elements-->
  <xs:element name="LinkContent" type="link:LinkContentType"/>
  <xs:element name="Protocol" type="xs:string"/>
  <xs:element name="Address" type="xs:string"/>
</xs:schema>
```

2.5.7 Associate a Work Product With an Incident

To associate the work product with an incident, POST an AssociateWorkProductToInterestGroup request to the work product service.

https://localhost/uicds/core/ws/services/WorkProductService

Request:

```xml
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"/>
  <SOAP-ENV:Body xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
    <wp:AssociateWorkProductToInterestGroupRequest xmlns:wp="http://uicds.org/WorkProductService">
      <wp:WorkProductID xmlns:wp="http://uicds.org/WorkProductService">Feature-d867ecb1-197e-40b8-8c55-
2e19db15e66b</wp:WorkProductID>
      <wp:IncidentID xmlns:wp="http://uicds.org/WorkProductService">IG-77b91a2f-90a2-442e-87c7-
354c49996cbf</wp:IncidentID>
    </wp:AssociateWorkProductToInterestGroupRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Expected Response:

```xml
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"/>
```

```
<SOAP-ENV:Body xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <wor:AssociateWorkProductToInterestGroupResponse xmlns:wor="http://uicds.org/WorkProductService">
    <str:WorkProduct xmlns:str="http://www.saic.com/precis/2009/06/structures">
      <ulex:PackageMetadata xmlns:ulex="ulex:message:structure:1.0">
        <ulex:DataItemID xmlns:ulex="ulex:message:structure:1.0">Feature-d867ecb1-197e-40b8-8c55-2e19db15e66b</ulex:DataItemID>
        <ulex:DataItemReferenceID xmlns:ulex="ulex:message:structure:1.0">Feature-d867ecb1-197e-40b8-8c55-2e19db15e66b</ulex:DataItemReferenceID>
        <ns:DataItemStatus xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="Active"
                 ns:codespace="http://uicds.org/1.0/codespace/workproduct/status"
                 ns:label="UICDS Work Product Status"/>
        <ulex:DataOwnerMetadata xmlns:ulex="ulex:message:structure:1.0">
          <ns:DataOwnerIdentifier xmlns:ns="http://ucore.gov/ucore/2.0">
            <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
              <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">ucids.org</ns1:name>
            </ns1:Organization>
          </ns:DataOwnerIdentifier>
          <ns:DataOwnerContact xmlns:ns="http://ucore.gov/ucore/2.0">
            <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
              <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">http://uicds.us</ns1:name>
            </ns1:Organization>
          </ns:DataOwnerContact>
          <ulex:DataOwnerMetadataDomainAttribute xmlns:ulex="ulex:message:structure:1.0">
            <ulex:DomainName xmlns:ulex="ulex:message:structure:1.0">UICDS EM Domain</ulex:DomainName>
          </ulex:DataOwnerMetadataDomainAttribute>
        </ulex:DataOwnerMetadata>
        <ns:DisseminationCriteria xmlns:ns="http://ucore.gov/ucore/2.0"/>
        <str:WorkProductIdentification xmlns:str="http://www.saic.com/precis/2009/06/structures">
          <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">Feature-d867ecb1-197e-40b8-8c55-2e19db15e66b</base:Identifier>
          <base:Version xmlns:base="http://www.saic.com/precis/2009/06/base">2</base:Version>
          <base:Type xmlns:base="http://www.saic.com/precis/2009/06/base">Feature</base:Type>
          <base:Checksum xmlns:base="http://www.saic.com/precis/2009/06/base">Mon Sep 27 14:10:03 EDT 2010:2:0:30009110</base:Checksum>
          <base:State xmlns:base="http://www.saic.com/precis/2009/06/base">Active</base:State>
        </str:WorkProductIdentification>
        <str:WorkProductProperties xmlns:str="http://www.saic.com/precis/2009/06/structures">
          <base:Created xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-27T14:10:03.359-04:00</base:Created>
          <base:CreatedBy xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:CreatedBy>
          <base:LastUpdated xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-27T14:10:03.500-04:00</base:LastUpdated>
          <base:LastUpdatedBy xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:LastUpdatedBy>
          <base:Kilobytes xmlns:base="http://www.saic.com/precis/2009/06/base">0</base:Kilobytes>
          <base:MimeType xmlns:base="http://www.saic.com/precis/2009/06/base">application/uicds+xml</base:MimeType>
          <base:AssociatedGroups xmlns:base="http://www.saic.com/precis/2009/06/base">
            <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">IG-77b91a2f-90a2-442e-87c7-354c49996cbf</base:Identifier>
          </base:AssociatedGroups>
        </str:WorkProductProperties>
      </ulex:PackageMetadata>
      <ns:Digest xmlns:ns="http://ucore.gov/ucore/2.0"
```

```
                xmlns:base="http://www.saic.com/precis/2009/06/base"
                xmlns:ddms="http://metadata.dod.mil/mdr/ns/DDMS/2.0/"
                xmlns:gml="http://www.opengis.net/gml/3.2"
                xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/"
                xmlns:preciss="http://www.saic.com/precis/2009/06/structures"
                xmlns:ucore="http://ucore.gov/ucore/2.0"
                xmlns:ulex="ulex:message:structure:1.0"
                xmlns:wp="http://uicds.org/WorkProductService"
                xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
          <ns:DigestMetadata xmlns:ns="http://ucore.gov/ucore/2.0"/>
          <ns:Location xmlns:ns="http://ucore.gov/ucore/2.0" id="Loc1">
            <ns:GeoLocation xmlns:ns="http://ucore.gov/ucore/2.0">
              <ns:Point xmlns:ns="http://ucore.gov/ucore/2.0">
                <gml:Point xmlns:gml="http://www.opengis.net/gml/3.2" gml:id="pt1"
                        srsName="urn:ogc:def:crs:EPSG:6.6:4326">
                  <gml:pos xmlns:gml="http://www.opengis.net/gml/3.2">37.533933 -77.430024</gml:pos>
                </gml:Point>
              </ns:Point>
            </ns:GeoLocation>
          </ns:Location>
          <ns:Entity xmlns:ns="http://ucore.gov/ucore/2.0" id="Entity.T1">
            <ns:Descriptor xmlns:ns="http://ucore.gov/ucore/2.0">Chlorine Truck</ns:Descriptor>
            <ns:What xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="Equipment"
                    ns:codespace="http://ucore.gov/ucore/2.0/codespace/"/>
          </ns:Entity>
          <ns:LocatedAt xmlns:ns="http://ucore.gov/ucore/2.0" id="LA1">
            <ns:EntityRef xmlns:ns="http://ucore.gov/ucore/2.0" ref="Entity.T1"/>
            <ns:LocationRef xmlns:ns="http://ucore.gov/ucore/2.0" ref="Loc1"/>
          </ns:LocatedAt>
        </ns:Digest>
      </str:WorkProduct>
    </wor:AssociateWorkProductToInterestGroupResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

2.5.8 Retrieving Notifications

The notification endpoint that is specified in the Address element of the Endpoint contained in
the resource instance is used in a GetMessageReqeust to retrieve notifications. A resource
instance can be obtained by creating it, as illustrated in section 2.5.3 or by retrieving it as
illustrated in section 2.5.4.

To retrieve notifications, extract the notification endpoint from the resource instance, which from
the current example is:

> https://clash.saic.com/uicds/core/ws/services/SuperIncidentManagementApp
> lication

While this looks like a RESTful url, it requires a POST request to the Notification Service at:

The following request is an example of a GetMessagesRequest. It should be noted that the MaximumNumber element value is currently ignored and the request will always return all un-fetched notifications.

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header/>
  <SOAP-ENV:Body>
   <wsn:GetMessagesRequest xmlns:wsn="http://uicds.org/NotificationService"
xmlns:wsa="http://www.w3.org/2005/08/addressing">
        <wsn:MaximumNumber>1</wsn:MaximumNumber>
        <wsa:To>https://clash.saic.com/uicds/core/ws/services/SuperIncidentManagementApplication</wsa:To>
   </wsn:GetMessagesRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Expected Response:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"/>
  <SOAP-ENV:Body xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
    <not:GetMessagesResponse xmlns:not="http://uicds.org/NotificationService">
     <not:NotificationMessage xmlns:not="http://uicds.org/NotificationService">
       <b:Message xmlns:b="http://docs.oasis-open.org/wsn/b-2">
        <WorkProduct xmlns="http://www.saic.com/precis/2009/06/structures"
              xmlns:base="http://www.saic.com/precis/2009/06/base"
              xmlns:ns="http://ucore.gov/ucore/2.0"
              xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/"
              xmlns:ulex="ulex:message:structure:1.0">
          <ulex:PackageMetadata xmlns:ulex="ulex:message:structure:1.0">
           <ulex:DataItemID xmlns:ulex="ulex:message:structure:1.0">Incident-d5a3586a-eaef-4a2f-a2b6-
6be0ba250e35</ulex:DataItemID>
           <ulex:DataItemReferenceID xmlns:ulex="ulex:message:structure:1.0">Incident-d5a3586a-eaef-4a2f-
a2b6-6be0ba250e35</ulex:DataItemReferenceID>
           <ns:DataItemStatus xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="Active"
                 ns:codespace="http://uicds.org/1.0/codespace/workproduct/status"
                 ns:label="UICDS Work Product Status"/>
           <ulex:DataOwnerMetadata xmlns:ulex="ulex:message:structure:1.0">
             <ns:DataOwnerIdentifier xmlns:ns="http://ucore.gov/ucore/2.0">
              <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
               <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">ucids.org</ns1:name>
              </ns1:Organization>
             </ns:DataOwnerIdentifier>
             <ns:DataOwnerContact xmlns:ns="http://ucore.gov/ucore/2.0">
              <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
               <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">http://uicds.us</ns1:name>
              </ns1:Organization>
             </ns:DataOwnerContact>
             <ulex:DataOwnerMetadataDomainAttribute xmlns:ulex="ulex:message:structure:1.0">
              <ulex:DomainName xmlns:ulex="ulex:message:structure:1.0">UICDS EM
Domain</ulex:DomainName>
             </ulex:DataOwnerMetadataDomainAttribute>
```

```
        </ulex:DataOwnerMetadata>
        <ns:DisseminationCriteria xmlns:ns="http://ucore.gov/ucore/2.0"/>
        <WorkProductIdentification>
          <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">Incident-d5a3586a-eaef-
4a2f-a2b6-6be0ba250e35</base:Identifier>
          <base:Version xmlns:base="http://www.saic.com/precis/2009/06/base">1</base:Version>
          <base:Type xmlns:base="http://www.saic.com/precis/2009/06/base">Incident</base:Type>
          <base:Checksum xmlns:base="http://www.saic.com/precis/2009/06/base">Mon Sep 27 14:10:02
EDT 2010:1:4:3056352419</base:Checksum>
          <base:State xmlns:base="http://www.saic.com/precis/2009/06/base">Active</base:State>
        </WorkProductIdentification>
        <WorkProductProperties>
          <base:Created xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-27T14:10:02.578-
04:00</base:Created>
          <base:CreatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:CreatedBy>
          <base:LastUpdated xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-
27T14:10:02.578-04:00</base:LastUpdated>
          <base:LastUpdatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:LastUpdatedBy>
          <base:Kilobytes xmlns:base="http://www.saic.com/precis/2009/06/base">4</base:Kilobytes>
          <base:MimeType
xmlns:base="http://www.saic.com/precis/2009/06/base">application/uicds+xml</base:MimeType>
          <base:AssociatedGroups xmlns:base="http://www.saic.com/precis/2009/06/base">
            <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">IG-77b91a2f-90a2-442e-
87c7-354c49996cbf</base:Identifier>
          </base:AssociatedGroups>
        </WorkProductProperties>
      </ulex:PackageMetadata>
      <ns:Digest xmlns:ns2="http://www.opengis.net/gml/3.2" xmlns:ns="http://ucore.gov/ucore/2.0">
        <ns:Event xmlns:ns="http://ucore.gov/ucore/2.0"
              id="Event-7606d73f-a9a8-42b8-a076-5e72a6abca8b">
          <ns:Descriptor xmlns:ns="http://ucore.gov/ucore/2.0">Overturned tanker on the
highway.</ns:Descriptor>
          <ns:Identifier xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="ActivityName"
                ns:codespace="http://niem.gov/niem/niem-core/2.0"
                ns:label="ID">A hazardous chemical event has occurred</ns:Identifier>
          <ns:What xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="CBRNE"
              ns:codespace="http://ucore.gov/ucore/2.0/codespace/"/>
        </ns:Event>
        <ns:Location xmlns:ns="http://ucore.gov/ucore/2.0"
              id="Location-2d587558-01a0-42a5-b5a7-442e520c5ccb">
          <ns:GeoLocation xmlns:ns="http://ucore.gov/ucore/2.0">
            <ns:Polygon xmlns:ns="http://ucore.gov/ucore/2.0">
              <ns2:Polygon xmlns:ns2="http://www.opengis.net/gml/3.2"
                    ns2:id="Polygon-9a54b2b9-3705-4472-840e-fa563ddcc12c"
                    srsName="EPSG:4326">
                <ns2:exterior xmlns:ns2="http://www.opengis.net/gml/3.2">
                  <ns2:LinearRing xmlns:ns2="http://www.opengis.net/gml/3.2">
                    <ns2:pos xmlns:ns2="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">38.80000 -
77.30000</ns2:pos>
                    <ns2:pos xmlns:ns2="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">38.80000 -
77.10000</ns2:pos>
                    <ns2:pos xmlns:ns2="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">39.00000 -
77.10000</ns2:pos>
                    <ns2:pos xmlns:ns2="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">39.00000 -
```

```xml
77.30000</ns2:pos>
                           <ns2:pos xmlns:ns2="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">38.80000 -
77.30000</ns2:pos>
                         </ns2:LinearRing>
                       </ns2:exterior>
                     </ns2:Polygon>
                   </ns:Polygon>
                 </ns:GeoLocation>
               </ns:Location>
               <ns:OccursAt xmlns:ns="http://ucore.gov/ucore/2.0"
                       id="OccursAt-29f6c75d-b9a1-44d9-8c8f-903b6524aebe">
                 <ns:Time xmlns:ns="http://ucore.gov/ucore/2.0">
                   <ns:TimeInstant xmlns:ns="http://ucore.gov/ucore/2.0">
                     <Value xmlns="http://ucore.gov/ucore/2.0">2009-09-15T12:00:00-04:00</Value>
                   </ns:TimeInstant>
                 </ns:Time>
                 <ns:EventRef xmlns:ns="http://ucore.gov/ucore/2.0"
                         ref="Event-7606d73f-a9a8-42b8-a076-5e72a6abca8b"/>
                 <ns:LocationRef xmlns:ns="http://ucore.gov/ucore/2.0"
                          ref="Location-2d587558-01a0-42a5-b5a7-442e520c5ccb"/>
               </ns:OccursAt>
             </ns:Digest>
           </WorkProduct>
         </b:Message>
       </not:NotificationMessage>
       <not:NotificationMessage xmlns:not="http://uicds.org/NotificationService">
         <b:Message xmlns:b="http://docs.oasis-open.org/wsn/b-2">
           <WorkProduct xmlns="http://www.saic.com/precis/2009/06/structures"
                   xmlns:base="http://www.saic.com/precis/2009/06/base"
                   xmlns:ns="http://ucore.gov/ucore/2.0"
                   xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/"
                   xmlns:ulex="ulex:message:structure:1.0">
             <ulex:PackageMetadata xmlns:ulex="ulex:message:structure:1.0">
               <ulex:DataItemID xmlns:ulex="ulex:message:structure:1.0">MapViewContext-290a66b8-56e6-4e68-
99ee-8cf8908db4f3</ulex:DataItemID>
               <ulex:DataItemReferenceID xmlns:ulex="ulex:message:structure:1.0">MapViewContext-290a66b8-
56e6-4e68-99ee-8cf8908db4f3</ulex:DataItemReferenceID>
               <ns:DataItemStatus xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="Active"
                         ns:codespace="http://uicds.org/1.0/codespace/workproduct/status"
                         ns:label="UICDS Work Product Status"/>
               <ulex:DataOwnerMetadata xmlns:ulex="ulex:message:structure:1.0">
                 <ns:DataOwnerIdentifier xmlns:ns="http://ucore.gov/ucore/2.0">
                   <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
                     <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">ucids.org</ns1:name>
                   </ns1:Organization>
                 </ns:DataOwnerIdentifier>
                 <ns:DataOwnerContact xmlns:ns="http://ucore.gov/ucore/2.0">
                   <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
                     <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">http://uicds.us</ns1:name>
                   </ns1:Organization>
                 </ns:DataOwnerContact>
                 <ulex:DataOwnerMetadataDomainAttribute xmlns:ulex="ulex:message:structure:1.0">
                   <ulex:DomainName xmlns:ulex="ulex:message:structure:1.0">UICDS EM
Domain</ulex:DomainName>
                 </ulex:DataOwnerMetadataDomainAttribute>
               </ulex:DataOwnerMetadata>
```

```xml
            <ns:DisseminationCriteria xmlns:ns="http://ucore.gov/ucore/2.0"/>
            <WorkProductIdentification>
               <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">MapViewContext-290a66b8-56e6-4e68-99ee-8cf8908db4f3</base:Identifier>
               <base:Version xmlns:base="http://www.saic.com/precis/2009/06/base">1</base:Version>
               <base:Type xmlns:base="http://www.saic.com/precis/2009/06/base">MapViewContext</base:Type>
               <base:Checksum xmlns:base="http://www.saic.com/precis/2009/06/base">Mon Sep 27 14:10:02 EDT 2010:1:1:3326527532</base:Checksum>
               <base:State xmlns:base="http://www.saic.com/precis/2009/06/base">Active</base:State>
            </WorkProductIdentification>
            <WorkProductProperties>
               <base:Created xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-27T14:10:02.875-04:00</base:Created>
               <base:CreatedBy xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:CreatedBy>
               <base:LastUpdated xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-27T14:10:02.875-04:00</base:LastUpdated>
               <base:LastUpdatedBy xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:LastUpdatedBy>
               <base:Kilobytes xmlns:base="http://www.saic.com/precis/2009/06/base">1</base:Kilobytes>
               <base:MimeType xmlns:base="http://www.saic.com/precis/2009/06/base">application/uicds+xml</base:MimeType>
               <base:AssociatedGroups xmlns:base="http://www.saic.com/precis/2009/06/base">
                  <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">IG-77b91a2f-90a2-442e-87c7-354c49996cbf</base:Identifier>
               </base:AssociatedGroups>
            </WorkProductProperties>
         </ulex:PackageMetadata>
      </WorkProduct>
    </b:Message>
  </not:NotificationMessage>
  <not:NotificationMessage xmlns:not="http://uicds.org/NotificationService">
    <b:Message xmlns:b="http://docs.oasis-open.org/wsn/b-2">
      <WorkProduct xmlns="http://www.saic.com/precis/2009/06/structures"
            xmlns:base="http://www.saic.com/precis/2009/06/base"
            xmlns:ns="http://ucore.gov/ucore/2.0"
            xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/"
            xmlns:ulex="ulex:message:structure:1.0">
        <ulex:PackageMetadata xmlns:ulex="ulex:message:structure:1.0">
        <ulex:DataItemID xmlns:ulex="ulex:message:structure:1.0">ICS-123a8ced-2393-4c33-9e47-d3209b212265</ulex:DataItemID>
        <ulex:DataItemReferenceID xmlns:ulex="ulex:message:structure:1.0">ICS-123a8ced-2393-4c33-9e47-d3209b212265</ulex:DataItemReferenceID>
        <ns:DataItemStatus xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="Active"
                  ns:codespace="http://uicds.org/1.0/codespace/workproduct/status"
                  ns:label="UICDS Work Product Status"/>
        <ulex:DataOwnerMetadata xmlns:ulex="ulex:message:structure:1.0">
          <ns:DataOwnerIdentifier xmlns:ns="http://ucore.gov/ucore/2.0">
            <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
              <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">ucids.org</ns1:name>
            </ns1:Organization>
          </ns:DataOwnerIdentifier>
          <ns:DataOwnerContact xmlns:ns="http://ucore.gov/ucore/2.0">
            <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
              <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">http://uicds.us</ns1:name>
            </ns1:Organization>
```

```
            </ns:DataOwnerContact>
            <ulex:DataOwnerMetadataDomainAttribute xmlns:ulex="ulex:message:structure:1.0">
              <ulex:DomainName xmlns:ulex="ulex:message:structure:1.0">UICDS EM
Domain</ulex:DomainName>
            </ulex:DataOwnerMetadataDomainAttribute>
          </ulex:DataOwnerMetadata>
          <ns:DisseminationCriteria xmlns:ns="http://ucore.gov/ucore/2.0"/>
          <WorkProductIdentification>
            <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">ICS-123a8ced-2393-4c33-
9e47-d3209b212265</base:Identifier>
            <base:Version xmlns:base="http://www.saic.com/precis/2009/06/base">1</base:Version>
            <base:Type xmlns:base="http://www.saic.com/precis/2009/06/base">ICS</base:Type>
            <base:Checksum xmlns:base="http://www.saic.com/precis/2009/06/base">Mon Sep 27 14:10:03
EDT 2010:1:0:719631573</base:Checksum>
            <base:State xmlns:base="http://www.saic.com/precis/2009/06/base">Active</base:State>
          </WorkProductIdentification>
          <WorkProductProperties>
            <base:Created xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-27T14:10:03.031-
04:00</base:Created>
            <base:CreatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:CreatedBy>
            <base:LastUpdated xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-
27T14:10:03.031-04:00</base:LastUpdated>
            <base:LastUpdatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:LastUpdatedBy>
            <base:Kilobytes xmlns:base="http://www.saic.com/precis/2009/06/base">0</base:Kilobytes>
            <base:MimeType
xmlns:base="http://www.saic.com/precis/2009/06/base">application/uicds+xml</base:MimeType>
            <base:AssociatedGroups xmlns:base="http://www.saic.com/precis/2009/06/base">
              <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">IG-77b91a2f-90a2-442e-
87c7-354c49996cbf</base:Identifier>
            </base:AssociatedGroups>
          </WorkProductProperties>
        </ulex:PackageMetadata>
      </WorkProduct>
    </b:Message>
  </not:NotificationMessage>
  <not:NotificationMessage xmlns:not="http://uicds.org/NotificationService">
    <b:Message xmlns:b="http://docs.oasis-open.org/wsn/b-2">
      <WorkProduct xmlns="http://www.saic.com/precis/2009/06/structures"
          xmlns:base="http://www.saic.com/precis/2009/06/base"
          xmlns:ns="http://ucore.gov/ucore/2.0"
          xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/"
          xmlns:ulex="ulex:message:structure:1.0">
        <ulex:PackageMetadata xmlns:ulex="ulex:message:structure:1.0">
          <ulex:DataItemID xmlns:ulex="ulex:message:structure:1.0">Alert-bd10d267-57f1-4233-b0e2-
bd21062f1b7e</ulex:DataItemID>
          <ulex:DataItemReferenceID xmlns:ulex="ulex:message:structure:1.0">Alert-bd10d267-57f1-4233-
b0e2-bd21062f1b7e</ulex:DataItemReferenceID>
          <ns:DataItemStatus xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="Active"
                  ns:codespace="http://uicds.org/1.0/codespace/workproduct/status"
                  ns:label="UICDS Work Product Status"/>
          <ulex:DataOwnerMetadata xmlns:ulex="ulex:message:structure:1.0">
            <ns:DataOwnerIdentifier xmlns:ns="http://ucore.gov/ucore/2.0">
              <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
                <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">ucids.org</ns1:name>
```

```xml
            </ns1:Organization>
          </ns:DataOwnerIdentifier>
          <ns:DataOwnerContact xmlns:ns="http://ucore.gov/ucore/2.0">
            <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
              <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">http://uicds.us</ns1:name>
            </ns1:Organization>
          </ns:DataOwnerContact>
          <ulex:DataOwnerMetadataDomainAttribute xmlns:ulex="ulex:message:structure:1.0">
            <ulex:DomainName xmlns:ulex="ulex:message:structure:1.0">UICDS EM
Domain</ulex:DomainName>
          </ulex:DataOwnerMetadataDomainAttribute>
        </ulex:DataOwnerMetadata>
        <ns:DisseminationCriteria xmlns:ns="http://ucore.gov/ucore/2.0"/>
        <WorkProductIdentification>
          <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">Alert-bd10d267-57f1-
4233-b0e2-bd21062f1b7e</base:Identifier>
          <base:Version xmlns:base="http://www.saic.com/precis/2009/06/base">1</base:Version>
          <base:Type xmlns:base="http://www.saic.com/precis/2009/06/base">Alert</base:Type>
          <base:Checksum xmlns:base="http://www.saic.com/precis/2009/06/base">Mon Sep 27 14:10:03
EDT 2010:1:1:1575191619</base:Checksum>
          <base:State xmlns:base="http://www.saic.com/precis/2009/06/base">Active</base:State>
        </WorkProductIdentification>
        <WorkProductProperties>
          <base:Created xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-27T14:10:03.187-
04:00</base:Created>
          <base:CreatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:CreatedBy>
          <base:LastUpdated xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-
27T14:10:03.187-04:00</base:LastUpdated>
          <base:LastUpdatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:LastUpdatedBy>
          <base:Kilobytes xmlns:base="http://www.saic.com/precis/2009/06/base">1</base:Kilobytes>
          <base:MimeType
xmlns:base="http://www.saic.com/precis/2009/06/base">application/uicds+xml</base:MimeType>
          <base:AssociatedGroups xmlns:base="http://www.saic.com/precis/2009/06/base">
            <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">IG-77b91a2f-90a2-442e-
87c7-354c49996cbf</base:Identifier>
          </base:AssociatedGroups>
        </WorkProductProperties>
      </ulex:PackageMetadata>
      <ns:Digest xmlns:ns2="http://www.opengis.net/gml/3.2" xmlns:ns="http://ucore.gov/ucore/2.0">
        <ns:Event xmlns:ns="http://ucore.gov/ucore/2.0"
                id="Event-5d68ab9c-d213-4401-acc8-e2a198c61c4b">
          <ns:Descriptor xmlns:ns="http://ucore.gov/ucore/2.0">Overturned tanker on the
highway.</ns:Descriptor>
          <ns:Identifier xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="identifier"
                ns:codespace="urn:oasis:names:tc:emergency:cap:1.1"
                ns:label="ID">UICDS-Test-Identifier1</ns:Identifier>
          <ns:What xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="AlertEvent"
                ns:codespace="http://ucore.gov/ucore/2.0/codespace/"/>
          <ns:What xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="CBRNE"
                ns:codespace="urn:oasis:names:tc:emergency:cap:1.1"/>
        </ns:Event>
        <ns:Location xmlns:ns="http://ucore.gov/ucore/2.0"
                id="Location-74d7a3db-f12f-43a2-91ea-4e938ab32ae8">
          <ns:GeoLocation xmlns:ns="http://ucore.gov/ucore/2.0">
```

```
            <ns:Polygon xmlns:ns="http://ucore.gov/ucore/2.0">
              <ns2:Polygon xmlns:ns2="http://www.opengis.net/gml/3.2"
                    ns2:id="Polygon-dc1d27d8-585a-4a61-930d-1932fe0bb4e7"
                    srsName="EPSG:4326">
                <ns2:exterior xmlns:ns2="http://www.opengis.net/gml/3.2">
                  <ns2:LinearRing xmlns:ns2="http://www.opengis.net/gml/3.2">
                    <ns2:pos xmlns:ns2="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">38.8 -
77.3</ns2:pos>
                    <ns2:pos xmlns:ns2="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">38.8 -
77.1</ns2:pos>
                    <ns2:pos xmlns:ns2="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">39.0 -
77.1</ns2:pos>
                    <ns2:pos xmlns:ns2="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">39.0 -
77.3</ns2:pos>
                    <ns2:pos xmlns:ns2="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">38.8 -
77.3</ns2:pos>
                  </ns2:LinearRing>
                </ns2:exterior>
              </ns2:Polygon>
            </ns:Polygon>
          </ns:GeoLocation>
        </ns:Location>
        <ns:OccursAt xmlns:ns="http://ucore.gov/ucore/2.0"
              id="OccursAt-d5087a58-bb63-480f-ab92-3feaa615400e">
          <ns:Time xmlns:ns="http://ucore.gov/ucore/2.0">
            <ns:TimeInstant xmlns:ns="http://ucore.gov/ucore/2.0">
              <Value xmlns="http://ucore.gov/ucore/2.0">2009-09-15T12:00:00-04:00</Value>
            </ns:TimeInstant>
          </ns:Time>
          <ns:EventRef xmlns:ns="http://ucore.gov/ucore/2.0"
                ref="Event-5d68ab9c-d213-4401-acc8-e2a198c61c4b"/>
          <ns:LocationRef xmlns:ns="http://ucore.gov/ucore/2.0"
                ref="Location-74d7a3db-f12f-43a2-91ea-4e938ab32ae8"/>
        </ns:OccursAt>
      </ns:Digest>
    </WorkProduct>
  </b:Message>
 </not:NotificationMessage>
 </not:GetMessagesResponse>
 </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

The GetMessagesResponse returns a NotificationMessage for each work product or other core
item that was created, updated, or directed to the Resource Instance. In this example there were
three work products created when the incident was created in section 2.5.5, a default Incident
work product, a default MapViewContext work product, and a default Incident Command
Structure work product. Each is represented by a WorkProduct element. In addition, the Alert
work product created in section 2.5.6.1 is also included.

2.5.9 Retrieving a Single Incident Work Product Using the Work Product Service

To retrieve the Incident work product, we can now POST the following request to the Work Product Service using the WorkProductIdentification element that was returned from creating the incident or available in the WorkProduct element for the Incident work product with the notification messages.

> https://localhost/uicds/core/ws/services/ProductService

The following example shows the GetProductRequest for the Incident document. Note that the entire WorkProductIdentification element from the create or notification should be used without modification. Clients should never need to modify any data in the WorkProductIndentification element.

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"/>
  <SOAP-ENV:Body xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
    <wp:GetProductRequest xmlns:precisb="http://www.saic.com/precis/2009/06/base"
              xmlns:preciss="http://www.saic.com/precis/2009/06/structures"
              xmlns:wp="http://uicds.org/WorkProductService">
      <str:WorkProductIdentification xmlns:str="http://www.saic.com/precis/2009/06/structures">
        <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">MapViewContext-290a66b8-56e6-
4e68-99ee-8cf8908db4f3</base:Identifier>
        <base:Version xmlns:base="http://www.saic.com/precis/2009/06/base">1</base:Version>
        <base:Type xmlns:base="http://www.saic.com/precis/2009/06/base">MapViewContext</base:Type>
        <base:Checksum xmlns:base="http://www.saic.com/precis/2009/06/base">Mon Sep 27 14:10:02 EDT
2010:1:1:3326527532</base:Checksum>
        <base:State xmlns:base="http://www.saic.com/precis/2009/06/base">Active</base:State>
      </str:WorkProductIdentification>
    </wp:GetProductRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Expected Response:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"/>
  <SOAP-ENV:Body xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
    <wor:GetProductResponse xmlns:wor="http://uicds.org/WorkProductService">
      <str:WorkProduct xmlns:str="http://www.saic.com/precis/2009/06/structures">
        <ulex:PackageMetadata xmlns:ulex="ulex:message:structure:1.0">
          <ulex:DataItemID xmlns:ulex="ulex:message:structure:1.0">MapViewContext-290a66b8-56e6-4e68-
99ee-8cf8908db4f3</ulex:DataItemID>
          <ulex:DataItemReferenceID xmlns:ulex="ulex:message:structure:1.0">MapViewContext-290a66b8-56e6-
4e68-99ee-8cf8908db4f3</ulex:DataItemReferenceID>
          <ns:DataItemStatus xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="Active"
                ns:codespace="http://uicds.org/1.0/codespace/workproduct/status"
                ns:label="UICDS Work Product Status"/>
        <ulex:DataOwnerMetadata xmlns:ulex="ulex:message:structure:1.0">
          <ns:DataOwnerIdentifier xmlns:ns="http://ucore.gov/ucore/2.0">
            <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
              <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">ucids.org</ns1:name>
            </ns1:Organization>
          </ns:DataOwnerIdentifier>
```

```xml
          <ns:DataOwnerContact xmlns:ns="http://ucore.gov/ucore/2.0">
            <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
              <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">http://uicds.us</ns1:name>
            </ns1:Organization>
          </ns:DataOwnerContact>
          <ulex:DataOwnerMetadataDomainAttribute xmlns:ulex="ulex:message:structure:1.0">
            <ulex:DomainName xmlns:ulex="ulex:message:structure:1.0">UICDS EM
Domain</ulex:DomainName>
          </ulex:DataOwnerMetadataDomainAttribute>
        </ulex:DataOwnerMetadata>
        <ns:DisseminationCriteria xmlns:ns="http://ucore.gov/ucore/2.0"/>
        <str:WorkProductIdentification xmlns:str="http://www.saic.com/precis/2009/06/structures">
          <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">MapViewContext-290a66b8-
56e6-4e68-99ee-8cf8908db4f3</base:Identifier>
          <base:Version xmlns:base="http://www.saic.com/precis/2009/06/base">1</base:Version>
          <base:Type xmlns:base="http://www.saic.com/precis/2009/06/base">MapViewContext</base:Type>
          <base:Checksum xmlns:base="http://www.saic.com/precis/2009/06/base">Mon Sep 27 14:10:02 EDT
2010:1:1:3326527532</base:Checksum>
          <base:State xmlns:base="http://www.saic.com/precis/2009/06/base">Active</base:State>
        </str:WorkProductIdentification>
        <str:WorkProductProperties xmlns:str="http://www.saic.com/precis/2009/06/structures">
          <base:Created xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-27T14:10:02.875-
04:00</base:Created>
          <base:CreatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:CreatedBy>
          <base:LastUpdated xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-27T14:10:02.875-
04:00</base:LastUpdated>
          <base:LastUpdatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:LastUpdatedBy>
          <base:Kilobytes xmlns:base="http://www.saic.com/precis/2009/06/base">1</base:Kilobytes>
          <base:MimeType
xmlns:base="http://www.saic.com/precis/2009/06/base">application/uicds+xml</base:MimeType>
          <base:AssociatedGroups xmlns:base="http://www.saic.com/precis/2009/06/base">
            <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">IG-77b91a2f-90a2-442e-
87c7-354c49996cbf</base:Identifier>
          </base:AssociatedGroups>
        </str:WorkProductProperties>
      </ulex:PackageMetadata>
      <ulex:StructuredPayload xmlns:ulex="ulex:message:structure:1.0">
        <ulex:StructuredPayloadMetadata xmlns:ulex="ulex:message:structure:1.0">
          <ulex:CommunityURI
xmlns:ulex="ulex:message:structure:1.0">MapViewContext</ulex:CommunityURI>
          <ulex:CommunityVersion xmlns:ulex="ulex:message:structure:1.0"/>
        </ulex:StructuredPayloadMetadata>
        <wmc:ViewContext xmlns:wmc="http://www.opengis.net/context"
                xmlns="http://www.saic.com/precis/2009/06/structures"
                xmlns:base="http://www.saic.com/precis/2009/06/base"
                xmlns:ns="http://ucore.gov/ucore/2.0"
                xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/"
                id="MapViewContext-290a66b8-56e6-4e68-99ee-8cf8908db4f3"
                version="1.1.0">
          <wmc:General xmlns:wmc="http://www.opengis.net/context">
            <wmc:Window xmlns:wmc="http://www.opengis.net/context" height="500" width="600"/>
            <wmc:BoundingBox xmlns:wmc="http://www.opengis.net/context" SRS="EPSG:4326" maxx="-77.1"
                    maxy="39.00000138888889"
                    minx="-77.3"
```

```
              miny="38.8"/>
            <wmc:Title xmlns:wmc="http://www.opengis.net/context">Default Map for Incident 'IG-77b91a2f-
90a2-442e-87c7-354c49996cbf'</wmc:Title>
            <wmc:KeywordList xmlns:wmc="http://www.opengis.net/context">
              <wmc:Keyword xmlns:wmc="http://www.opengis.net/context">Default Map</wmc:Keyword>
              <wmc:Keyword xmlns:wmc="http://www.opengis.net/context">IG-77b91a2f-90a2-442e-87c7-
354c49996cbf</wmc:Keyword>
              <wmc:Keyword xmlns:wmc="http://www.opengis.net/context">UICDS</wmc:Keyword>
            </wmc:KeywordList>
            <wmc:Abstract xmlns:wmc="http://www.opengis.net/context">Default map for incident with id 'IG-
77b91a2f-90a2-442e-87c7-354c49996cbf'</wmc:Abstract>
          </wmc:General>
          <wmc:LayerList xmlns:wmc="http://www.opengis.net/context">
            <wmc:Layer xmlns:wmc="http://www.opengis.net/context" hidden="false" queryable="false">
              <wmc:Server xmlns:wmc="http://www.opengis.net/context" service="OGC:WMS" title="Metacarta"
                  version="1.1.0">
                <wmc:OnlineResource xmlns:xlink="http://www.w3.org/1999/xlink"
                    xmlns:wmc="http://www.opengis.net/context"
                    xlink:href="http://labs.metacarta.com/wms/vmap0"/>
              </wmc:Server>
              <wmc:Name xmlns:wmc="http://www.opengis.net/context">basic</wmc:Name>
              <wmc:Title xmlns:wmc="http://www.opengis.net/context">Base Map</wmc:Title>
              <wmc:SRS xmlns:wmc="http://www.opengis.net/context">EPSG:4326</wmc:SRS>
            </wmc:Layer>
            <wmc:Layer xmlns:wmc="http://www.opengis.net/context" hidden="false" queryable="false">
              <wmc:Server xmlns:wmc="http://www.opengis.net/context" service="OGC:WMS"
                  title="UICDS Core Map Service"
                  version="1.1.0">
                <wmc:OnlineResource xmlns:xlink="http://www.w3.org/1999/xlink"
                    xmlns:wmc="http://www.opengis.net/context"
                    xlink:href="https://clash.saic.com/uicds/api/IG-77b91a2f-90a2-442e-87c7-
354c49996cbf/features?"/>
              </wmc:Server>
              <wmc:Title xmlns:wmc="http://www.opengis.net/context">Incident Features</wmc:Title>
              <wmc:SRS xmlns:wmc="http://www.opengis.net/context">EPSG:4326</wmc:SRS>
            </wmc:Layer>
          </wmc:LayerList>
        </wmc:ViewContext>
      </ulex:StructuredPayload>
    </str:WorkProduct>
  </wor:GetProductResponse>
 </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

2.5.10   Retrieving a List of All Incidents Using the Incident Management Service

To retrieve a list of all incidents, POST a GetIncidentList request to the Incident Management Service at:

https://localhost/uicds/core/ws/services/IncidentManagementService

Request:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <soapenv:Header xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"/>
  <soapenv:Body xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
    <dir:GetIncidentListRequest xmlns:dir="http://uicds.org/IncidentManagementService"/>
  </soapenv:Body>
</soapenv:Envelope>
```

Expected Response:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"/>
  <SOAP-ENV:Body xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
    <inc:GetIncidentListResponse xmlns:inc="http://uicds.org/IncidentManagementService">
      <wor:WorkProductList xmlns:wor="http://uicds.org/WorkProductService">
        <str:WorkProduct xmlns:str="http://www.saic.com/precis/2009/06/structures">
          <ulex:PackageMetadata xmlns:ulex="ulex:message:structure:1.0">
            <ulex:DataItemID xmlns:ulex="ulex:message:structure:1.0">Incident-d5a3586a-eaef-4a2f-a2b6-
6be0ba250e35</ulex:DataItemID>
            <ulex:DataItemReferenceID xmlns:ulex="ulex:message:structure:1.0">Incident-d5a3586a-eaef-4a2f-
a2b6-6be0ba250e35</ulex:DataItemReferenceID>
            <ns:DataItemStatus xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="Active"
                    ns:codespace="http://uicds.org/1.0/codespace/workproduct/status"
                    ns:label="UICDS Work Product Status"/>
            <ulex:DataOwnerMetadata xmlns:ulex="ulex:message:structure:1.0">
              <ns:DataOwnerIdentifier xmlns:ns="http://ucore.gov/ucore/2.0">
                <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
                  <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">ucids.org</ns1:name>
                </ns1:Organization>
              </ns:DataOwnerIdentifier>
              <ns:DataOwnerContact xmlns:ns="http://ucore.gov/ucore/2.0">
                <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
                  <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">http://uicds.us</ns1:name>
                </ns1:Organization>
              </ns:DataOwnerContact>
              <ulex:DataOwnerMetadataDomainAttribute xmlns:ulex="ulex:message:structure:1.0">
                <ulex:DomainName xmlns:ulex="ulex:message:structure:1.0">UICDS EM
Domain</ulex:DomainName>
              </ulex:DataOwnerMetadataDomainAttribute>
            </ulex:DataOwnerMetadata>
            <ns:DisseminationCriteria xmlns:ns="http://ucore.gov/ucore/2.0"/>
            <str:WorkProductIdentification xmlns:str="http://www.saic.com/precis/2009/06/structures">
              <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">Incident-d5a3586a-eaef-
4a2f-a2b6-6be0ba250e35</base:Identifier>
              <base:Version xmlns:base="http://www.saic.com/precis/2009/06/base">1</base:Version>
              <base:Type xmlns:base="http://www.saic.com/precis/2009/06/base">Incident</base:Type>
              <base:Checksum xmlns:base="http://www.saic.com/precis/2009/06/base">Mon Sep 27 14:10:02 EDT
2010:1:4:3056352419</base:Checksum>
              <base:State xmlns:base="http://www.saic.com/precis/2009/06/base">Active</base:State>
            </str:WorkProductIdentification>
            <str:WorkProductProperties xmlns:str="http://www.saic.com/precis/2009/06/structures">
              <base:Created xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-27T14:10:02.578-
04:00</base:Created>
              <base:CreatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:CreatedBy>
              <base:LastUpdated xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-
```

```xml
27T14:10:02.578-04:00</base:LastUpdated>
            <base:LastUpdatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:LastUpdatedBy>
            <base:Kilobytes xmlns:base="http://www.saic.com/precis/2009/06/base">4</base:Kilobytes>
            <base:MimeType
xmlns:base="http://www.saic.com/precis/2009/06/base">application/uicds+xml</base:MimeType>
            <base:AssociatedGroups xmlns:base="http://www.saic.com/precis/2009/06/base">
              <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">IG-77b91a2f-90a2-442e-
87c7-354c49996cbf</base:Identifier>
            </base:AssociatedGroups>
          </str:WorkProductProperties>
        </ulex:PackageMetadata>
        <ns:Digest xmlns:ns="http://ucore.gov/ucore/2.0"
            xmlns:base="http://www.saic.com/precis/2009/06/base"
            xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/"
            xmlns:ns2="http://www.opengis.net/gml/3.2"
            xmlns:ulex="ulex:message:structure:1.0">
        <ns:Event xmlns:ns="http://ucore.gov/ucore/2.0"
            id="Event-7606d73f-a9a8-42b8-a076-5e72a6abca8b">
        <ns:Descriptor xmlns:ns="http://ucore.gov/ucore/2.0">Overturned tanker on the
highway.</ns:Descriptor>
            <ns:Identifier xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="ActivityName"
                ns:codespace="http://niem.gov/niem/niem-core/2.0"
                ns:label="ID">A hazardous chemical event has occurred</ns:Identifier>
            <ns:What xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="CBRNE"
                ns:codespace="http://ucore.gov/ucore/2.0/codespace/"/>
        </ns:Event>
        <ns:Location xmlns:ns="http://ucore.gov/ucore/2.0"
            id="Location-2d587558-01a0-42a5-b5a7-442e520c5ccb">
        <ns:GeoLocation xmlns:ns="http://ucore.gov/ucore/2.0">
          <ns:Polygon xmlns:ns="http://ucore.gov/ucore/2.0">
            <ns2:Polygon xmlns:ns2="http://www.opengis.net/gml/3.2"
                ns2:id="Polygon-9a54b2b9-3705-4472-840e-fa563ddcc12c"
                srsName="EPSG:4326">
              <ns2:exterior xmlns:ns2="http://www.opengis.net/gml/3.2">
                <ns2:LinearRing xmlns:ns2="http://www.opengis.net/gml/3.2">
                  <ns2:pos xmlns:ns2="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">38.80000 -
77.30000</ns2:pos>
                  <ns2:pos xmlns:ns2="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">38.80000 -
77.10000</ns2:pos>
                  <ns2:pos xmlns:ns2="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">39.00000 -
77.10000</ns2:pos>
                  <ns2:pos xmlns:ns2="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">39.00000 -
77.30000</ns2:pos>
                  <ns2:pos xmlns:ns2="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">38.80000 -
77.30000</ns2:pos>
                </ns2:LinearRing>
              </ns2:exterior>
            </ns2:Polygon>
          </ns:Polygon>
        </ns:GeoLocation>
        </ns:Location>
        <ns:OccursAt xmlns:ns="http://ucore.gov/ucore/2.0"
            id="OccursAt-29f6c75d-b9a1-44d9-8c8f-903b6524aebe">
        <ns:Time xmlns:ns="http://ucore.gov/ucore/2.0">
          <ns:TimeInstant xmlns:ns="http://ucore.gov/ucore/2.0">
```

```
                <Value xmlns="http://ucore.gov/ucore/2.0">2009-09-15T12:00:00-04:00</Value>
            </ns:TimeInstant>
        </ns:Time>
        <ns:EventRef xmlns:ns="http://ucore.gov/ucore/2.0"
                ref="Event-7606d73f-a9a8-42b8-a076-5e72a6abca8b"/>
        <ns:LocationRef xmlns:ns="http://ucore.gov/ucore/2.0"
                ref="Location-2d587558-01a0-42a5-b5a7-442e520c5ccb"/>
      </ns:OccursAt>
    </ns:Digest>
  </str:WorkProduct>
 </wor:WorkProductList>
 </inc:GetIncidentListResponse>
 </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

2.5.11   Get a List of All Work Products Associated With an Incident

This example shows how to request a list of all the work products that have been associated with an incident from the Work Product Service at:

https://localhost/uicds/core/ws/services/ProductService

Note that the value in the GetAsscoiatedWorkProductListRequest element is the incident identifier assigned by the UICDS core when it was created. This identifier is available from the WorkProductProperties.AssociatedGroups.Identifier element from the response to a Create Incident operation or a WorkProduct notification for the Incident work product.

Request:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <soapenv:Header xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"/>
  <soapenv:Body xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
    <wp:GetAssociatedWorkProductListRequest xmlns:wp="http://uicds.org/WorkProductService"
                     xmlns:precisb="http://www.saic.com/precis/2009/06/base">
                <precisb:Identifier xmlns:precisb="http://www.saic.com/precis/2009/06/base"
precisb:label="">IG-77b91a2f-90a2-442e-87c7-354c49996cbf</precisb:Identifier>
    </wp:GetAssociatedWorkProductListRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Expected Response:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"/>
  <SOAP-ENV:Body xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
    <wor:GetAssociatedWorkProductListResponse xmlns:wor="http://uicds.org/WorkProductService">
      <wor:WorkProductList xmlns:wor="http://uicds.org/WorkProductService">
        <str:WorkProduct xmlns:str="http://www.saic.com/precis/2009/06/structures">
          <ulex:PackageMetadata xmlns:ulex="ulex:message:structure:1.0">
            <ulex:DataItemID xmlns:ulex="ulex:message:structure:1.0">Incident-d5a3586a-eaef-4a2f-a2b6-
6be0ba250e35</ulex:DataItemID>
            <ulex:DataItemReferenceID xmlns:ulex="ulex:message:structure:1.0">Incident-d5a3586a-eaef-4a2f-
```

a2b6-6be0ba250e35</ulex:DataItemReferenceID>
                      <ns:DataItemStatus xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="Active"
                              ns:codespace="http://uicds.org/1.0/codespace/workproduct/status"
                              ns:label="UICDS Work Product Status"/>
                      <ulex:DataOwnerMetadata xmlns:ulex="ulex:message:structure:1.0">
                        <ns:DataOwnerIdentifier xmlns:ns="http://ucore.gov/ucore/2.0">
                          <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
                            <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">ucids.org</ns1:name>
                          </ns1:Organization>
                        </ns:DataOwnerIdentifier>
                        <ns:DataOwnerContact xmlns:ns="http://ucore.gov/ucore/2.0">
                          <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
                            <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">http://uicds.us</ns1:name>
                          </ns1:Organization>
                        </ns:DataOwnerContact>
                        <ulex:DataOwnerMetadataDomainAttribute xmlns:ulex="ulex:message:structure:1.0">
                          <ulex:DomainName xmlns:ulex="ulex:message:structure:1.0">UICDS EM
Domain</ulex:DomainName>
                        </ulex:DataOwnerMetadataDomainAttribute>
                      </ulex:DataOwnerMetadata>
                      <ns:DisseminationCriteria xmlns:ns="http://ucore.gov/ucore/2.0"/>
                      <str:WorkProductIdentification xmlns:str="http://www.saic.com/precis/2009/06/structures">
                        <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">Incident-d5a3586a-eaef-
4a2f-a2b6-6be0ba250e35</base:Identifier>
                        <base:Version xmlns:base="http://www.saic.com/precis/2009/06/base">1</base:Version>
                        <base:Type xmlns:base="http://www.saic.com/precis/2009/06/base">Incident</base:Type>
                        <base:Checksum xmlns:base="http://www.saic.com/precis/2009/06/base">Mon Sep 27 14:10:02 EDT
2010:1:4:3056352419</base:Checksum>
                        <base:State xmlns:base="http://www.saic.com/precis/2009/06/base">Active</base:State>
                      </str:WorkProductIdentification>
                      <str:WorkProductProperties xmlns:str="http://www.saic.com/precis/2009/06/structures">
                        <base:Created xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-27T14:10:02.578-
04:00</base:Created>
                        <base:CreatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:CreatedBy>
                        <base:LastUpdated xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-
27T14:10:02.578-04:00</base:LastUpdated>
                        <base:LastUpdatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:LastUpdatedBy>
                        <base:Kilobytes xmlns:base="http://www.saic.com/precis/2009/06/base">4</base:Kilobytes>
                        <base:MimeType
xmlns:base="http://www.saic.com/precis/2009/06/base">application/uicds+xml</base:MimeType>
                        <base:AssociatedGroups xmlns:base="http://www.saic.com/precis/2009/06/base">
                          <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">IG-77b91a2f-90a2-442e-
87c7-354c49996cbf</base:Identifier>
                        </base:AssociatedGroups>
                      </str:WorkProductProperties>
                    </ulex:PackageMetadata>
                    <ns:Digest xmlns:ns="http://ucore.gov/ucore/2.0"
                          xmlns:base="http://www.saic.com/precis/2009/06/base"
                          xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/"
                          xmlns:ns2="http://www.opengis.net/gml/3.2"
                          xmlns:ulex="ulex:message:structure:1.0">
                      <ns:Event xmlns:ns="http://ucore.gov/ucore/2.0"
                            id="Event-7606d73f-a9a8-42b8-a076-5e72a6abca8b">
                        <ns:Descriptor xmlns:ns="http://ucore.gov/ucore/2.0">Overturned tanker on the

highway.</ns:Descriptor>
                    <ns:Identifier xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="ActivityName"
                            ns:codespace="http://niem.gov/niem/niem-core/2.0"
                            ns:label="ID">A hazardous chemical event has occurred</ns:Identifier>
                    <ns:What xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="CBRNE"
                            ns:codespace="http://ucore.gov/ucore/2.0/codespace/"/>
                </ns:Event>
                <ns:Location xmlns:ns="http://ucore.gov/ucore/2.0"
                        id="Location-2d587558-01a0-42a5-b5a7-442e520c5ccb">
                    <ns:GeoLocation xmlns:ns="http://ucore.gov/ucore/2.0">
                        <ns:Polygon xmlns:ns="http://ucore.gov/ucore/2.0">
                            <ns2:Polygon xmlns:ns2="http://www.opengis.net/gml/3.2"
                                    ns2:id="Polygon-9a54b2b9-3705-4472-840e-fa563ddcc12c"
                                    srsName="EPSG:4326">
                                <ns2:exterior xmlns:ns2="http://www.opengis.net/gml/3.2">
                                    <ns2:LinearRing xmlns:ns2="http://www.opengis.net/gml/3.2">
                                        <ns2:pos xmlns:ns2="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">38.80000 -
77.30000</ns2:pos>
                                        <ns2:pos xmlns:ns2="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">38.80000 -
77.10000</ns2:pos>
                                        <ns2:pos xmlns:ns2="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">39.00000 -
77.10000</ns2:pos>
                                        <ns2:pos xmlns:ns2="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">39.00000 -
77.30000</ns2:pos>
                                        <ns2:pos xmlns:ns2="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">38.80000 -
77.30000</ns2:pos>
                                    </ns2:LinearRing>
                                </ns2:exterior>
                            </ns2:Polygon>
                        </ns:Polygon>
                    </ns:GeoLocation>
                </ns:Location>
                <ns:OccursAt xmlns:ns="http://ucore.gov/ucore/2.0"
                        id="OccursAt-29f6c75d-b9a1-44d9-8c8f-903b6524aebe">
                    <ns:Time xmlns:ns="http://ucore.gov/ucore/2.0">
                        <ns:TimeInstant xmlns:ns="http://ucore.gov/ucore/2.0">
                            <Value xmlns="http://ucore.gov/ucore/2.0">2009-09-15T12:00:00-04:00</Value>
                        </ns:TimeInstant>
                    </ns:Time>
                    <ns:EventRef xmlns:ns="http://ucore.gov/ucore/2.0"
                            ref="Event-7606d73f-a9a8-42b8-a076-5e72a6abca8b"/>
                    <ns:LocationRef xmlns:ns="http://ucore.gov/ucore/2.0"
                            ref="Location-2d587558-01a0-42a5-b5a7-442e520c5ccb"/>
                </ns:OccursAt>
            </ns:Digest>
        </str:WorkProduct>
        <str:WorkProduct xmlns:str="http://www.saic.com/precis/2009/06/structures">
            <ulex:PackageMetadata xmlns:ulex="ulex:message:structure:1.0">
            <ulex:DataItemID xmlns:ulex="ulex:message:structure:1.0">ICS-123a8ced-2393-4c33-9e47-
d3209b212265</ulex:DataItemID>
                <ulex:DataItemReferenceID xmlns:ulex="ulex:message:structure:1.0">ICS-123a8ced-2393-4c33-9e47-
d3209b212265</ulex:DataItemReferenceID>
                <ns:DataItemStatus xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="Active"
                        ns:codespace="http://uicds.org/1.0/codespace/workproduct/status"
                        ns:label="UICDS Work Product Status"/>
                <ulex:DataOwnerMetadata xmlns:ulex="ulex:message:structure:1.0">

```xml
        <ns:DataOwnerIdentifier xmlns:ns="http://ucore.gov/ucore/2.0">
          <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
            <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">ucids.org</ns1:name>
          </ns1:Organization>
        </ns:DataOwnerIdentifier>
        <ns:DataOwnerContact xmlns:ns="http://ucore.gov/ucore/2.0">
          <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
            <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">http://uicds.us</ns1:name>
          </ns1:Organization>
        </ns:DataOwnerContact>
        <ulex:DataOwnerMetadataDomainAttribute xmlns:ulex="ulex:message:structure:1.0">
          <ulex:DomainName xmlns:ulex="ulex:message:structure:1.0">UICDS EM
Domain</ulex:DomainName>
        </ulex:DataOwnerMetadataDomainAttribute>
      </ulex:DataOwnerMetadata>
      <ns:DisseminationCriteria xmlns:ns="http://ucore.gov/ucore/2.0"/>
      <str:WorkProductIdentification xmlns:str="http://www.saic.com/precis/2009/06/structures">
        <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">ICS-123a8ced-2393-4c33-
9e47-d3209b212265</base:Identifier>
        <base:Version xmlns:base="http://www.saic.com/precis/2009/06/base">1</base:Version>
        <base:Type xmlns:base="http://www.saic.com/precis/2009/06/base">ICS</base:Type>
        <base:Checksum xmlns:base="http://www.saic.com/precis/2009/06/base">Mon Sep 27 14:10:03 EDT
2010:1:0:719631573</base:Checksum>
        <base:State xmlns:base="http://www.saic.com/precis/2009/06/base">Active</base:State>
      </str:WorkProductIdentification>
      <str:WorkProductProperties xmlns:str="http://www.saic.com/precis/2009/06/structures">
        <base:Created xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-27T14:10:03.031-
04:00</base:Created>
        <base:CreatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:CreatedBy>
        <base:LastUpdated xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-
27T14:10:03.031-04:00</base:LastUpdated>
        <base:LastUpdatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:LastUpdatedBy>
        <base:Kilobytes xmlns:base="http://www.saic.com/precis/2009/06/base">0</base:Kilobytes>
        <base:MimeType
xmlns:base="http://www.saic.com/precis/2009/06/base">application/uicds+xml</base:MimeType>
        <base:AssociatedGroups xmlns:base="http://www.saic.com/precis/2009/06/base">
          <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">IG-77b91a2f-90a2-442e-
87c7-354c49996cbf</base:Identifier>
        </base:AssociatedGroups>
      </str:WorkProductProperties>
    </ulex:PackageMetadata>
  </str:WorkProduct>
  <str:WorkProduct xmlns:str="http://www.saic.com/precis/2009/06/structures">
    <ulex:PackageMetadata xmlns:ulex="ulex:message:structure:1.0">
      <ulex:DataItemID xmlns:ulex="ulex:message:structure:1.0">Alert-bd10d267-57f1-4233-b0e2-
bd21062f1b7e</ulex:DataItemID>
      <ulex:DataItemReferenceID xmlns:ulex="ulex:message:structure:1.0">Alert-bd10d267-57f1-4233-b0e2-
bd21062f1b7e</ulex:DataItemReferenceID>
      <ns:DataItemStatus xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="Active"
              ns:codespace="http://uicds.org/1.0/codespace/workproduct/status"
              ns:label="UICDS Work Product Status"/>
      <ulex:DataOwnerMetadata xmlns:ulex="ulex:message:structure:1.0">
        <ns:DataOwnerIdentifier xmlns:ns="http://ucore.gov/ucore/2.0">
          <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
```

```
                <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">ucids.org</ns1:name>
            </ns1:Organization>
        </ns:DataOwnerIdentifier>
        <ns:DataOwnerContact xmlns:ns="http://ucore.gov/ucore/2.0">
          <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
            <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">http://uicds.us</ns1:name>
          </ns1:Organization>
        </ns:DataOwnerContact>
        <ulex:DataOwnerMetadataDomainAttribute xmlns:ulex="ulex:message:structure:1.0">
          <ulex:DomainName xmlns:ulex="ulex:message:structure:1.0">UICDS EM
Domain</ulex:DomainName>
        </ulex:DataOwnerMetadataDomainAttribute>
      </ulex:DataOwnerMetadata>
      <ns:DisseminationCriteria xmlns:ns="http://ucore.gov/ucore/2.0"/>
      <str:WorkProductIdentification xmlns:str="http://www.saic.com/precis/2009/06/structures">
        <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">Alert-bd10d267-57f1-4233-
b0e2-bd21062f1b7e</base:Identifier>
        <base:Version xmlns:base="http://www.saic.com/precis/2009/06/base">1</base:Version>
        <base:Type xmlns:base="http://www.saic.com/precis/2009/06/base">Alert</base:Type>
        <base:Checksum xmlns:base="http://www.saic.com/precis/2009/06/base">Mon Sep 27 14:10:03 EDT
2010:1:1:1575191619</base:Checksum>
        <base:State xmlns:base="http://www.saic.com/precis/2009/06/base">Active</base:State>
      </str:WorkProductIdentification>
      <str:WorkProductProperties xmlns:str="http://www.saic.com/precis/2009/06/structures">
        <base:Created xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-27T14:10:03.187-
04:00</base:Created>
        <base:CreatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:CreatedBy>
        <base:LastUpdated xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-
27T14:10:03.187-04:00</base:LastUpdated>
        <base:LastUpdatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:LastUpdatedBy>
        <base:Kilobytes xmlns:base="http://www.saic.com/precis/2009/06/base">1</base:Kilobytes>
        <base:MimeType
xmlns:base="http://www.saic.com/precis/2009/06/base">application/uicds+xml</base:MimeType>
        <base:AssociatedGroups xmlns:base="http://www.saic.com/precis/2009/06/base">
          <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">IG-77b91a2f-90a2-442e-
87c7-354c49996cbf</base:Identifier>
        </base:AssociatedGroups>
      </str:WorkProductProperties>
    </ulex:PackageMetadata>
    <ns:Digest xmlns:ns="http://ucore.gov/ucore/2.0"
            xmlns:base="http://www.saic.com/precis/2009/06/base"
            xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/"
            xmlns:ns2="http://www.opengis.net/gml/3.2"
            xmlns:ulex="ulex:message:structure:1.0">
      <ns:Event xmlns:ns="http://ucore.gov/ucore/2.0"
            id="Event-5d68ab9c-d213-4401-acc8-e2a198c61c4b">
        <ns:Descriptor xmlns:ns="http://ucore.gov/ucore/2.0">Overturned tanker on the
highway.</ns:Descriptor>
        <ns:Identifier xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="identifier"
                ns:codespace="urn:oasis:names:tc:emergency:cap:1.1"
                ns:label="ID">UICDS-Test-Identifier1</ns:Identifier>
        <ns:What xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="AlertEvent"
                ns:codespace="http://ucore.gov/ucore/2.0/codespace/"/>
        <ns:What xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="CBRNE"
```

```
                ns:codespace="urn:oasis:names:tc:emergency:cap:1.1"/>
            </ns:Event>
            <ns:Location xmlns:ns="http://ucore.gov/ucore/2.0"
                    id="Location-74d7a3db-f12f-43a2-91ea-4e938ab32ae8">
              <ns:GeoLocation xmlns:ns="http://ucore.gov/ucore/2.0">
                <ns:Polygon xmlns:ns="http://ucore.gov/ucore/2.0">
                  <ns2:Polygon xmlns:ns2="http://www.opengis.net/gml/3.2"
                          ns2:id="Polygon-dc1d27d8-585a-4a61-930d-1932fe0bb4e7"
                          srsName="EPSG:4326">
                    <ns2:exterior xmlns:ns2="http://www.opengis.net/gml/3.2">
                      <ns2:LinearRing xmlns:ns2="http://www.opengis.net/gml/3.2">
                        <ns2:pos xmlns:ns2="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">38.8 -
77.3</ns2:pos>
                        <ns2:pos xmlns:ns2="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">38.8 -
77.1</ns2:pos>
                        <ns2:pos xmlns:ns2="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">39.0 -
77.1</ns2:pos>
                        <ns2:pos xmlns:ns2="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">39.0 -
77.3</ns2:pos>
                        <ns2:pos xmlns:ns2="http://www.opengis.net/gml/3.2" srsName="EPSG:4326">38.8 -
77.3</ns2:pos>
                      </ns2:LinearRing>
                    </ns2:exterior>
                  </ns2:Polygon>
                </ns:Polygon>
              </ns:GeoLocation>
            </ns:Location>
            <ns:OccursAt xmlns:ns="http://ucore.gov/ucore/2.0"
                    id="OccursAt-d5087a58-bb63-480f-ab92-3feaa615400e">
              <ns:Time xmlns:ns="http://ucore.gov/ucore/2.0">
                <ns:TimeInstant xmlns:ns="http://ucore.gov/ucore/2.0">
                  <Value xmlns="http://ucore.gov/ucore/2.0">2009-09-15T12:00:00-04:00</Value>
                </ns:TimeInstant>
              </ns:Time>
              <ns:EventRef xmlns:ns="http://ucore.gov/ucore/2.0"
                      ref="Event-5d68ab9c-d213-4401-acc8-e2a198c61c4b"/>
              <ns:LocationRef xmlns:ns="http://ucore.gov/ucore/2.0"
                      ref="Location-74d7a3db-f12f-43a2-91ea-4e938ab32ae8"/>
            </ns:OccursAt>
          </ns:Digest>
        </str:WorkProduct>
        <str:WorkProduct xmlns:str="http://www.saic.com/precis/2009/06/structures">
          <ulex:PackageMetadata xmlns:ulex="ulex:message:structure:1.0">
            <ulex:DataItemID xmlns:ulex="ulex:message:structure:1.0">application/shp-7fb2a6ea-8dc0-4584-98ae-
d6d40bbdafdb</ulex:DataItemID>
            <ulex:DataItemReferenceID xmlns:ulex="ulex:message:structure:1.0">application/shp-7fb2a6ea-8dc0-
4584-98ae-d6d40bbdafdb</ulex:DataItemReferenceID>
            <ns:DataItemStatus xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="Active"
                    ns:codespace="http://uicds.org/1.0/codespace/workproduct/status"
                    ns:label="UICDS Work Product Status"/>
            <ulex:DataOwnerMetadata xmlns:ulex="ulex:message:structure:1.0">
              <ns:DataOwnerIdentifier xmlns:ns="http://ucore.gov/ucore/2.0">
                <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
                  <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">ucids.org</ns1:name>
                </ns1:Organization>
              </ns:DataOwnerIdentifier>
```

```xml
          <ns:DataOwnerContact xmlns:ns="http://ucore.gov/ucore/2.0">
            <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
              <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">http://uicds.us</ns1:name>
            </ns1:Organization>
          </ns:DataOwnerContact>
          <ulex:DataOwnerMetadataDomainAttribute xmlns:ulex="ulex:message:structure:1.0">
            <ulex:DomainName xmlns:ulex="ulex:message:structure:1.0">UICDS EM
Domain</ulex:DomainName>
          </ulex:DataOwnerMetadataDomainAttribute>
        </ulex:DataOwnerMetadata>
        <ns:DisseminationCriteria xmlns:ns="http://ucore.gov/ucore/2.0"/>
        <str:WorkProductIdentification xmlns:str="http://www.saic.com/precis/2009/06/structures">
          <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">application/shp-7fb2a6ea-
8dc0-4584-98ae-d6d40bbdafdb</base:Identifier>
          <base:Version xmlns:base="http://www.saic.com/precis/2009/06/base">2</base:Version>
          <base:Type xmlns:base="http://www.saic.com/precis/2009/06/base">application/shp</base:Type>
          <base:Checksum xmlns:base="http://www.saic.com/precis/2009/06/base">Mon Sep 27 14:10:03 EDT
2010:2:0:30009110</base:Checksum>
          <base:State xmlns:base="http://www.saic.com/precis/2009/06/base">Active</base:State>
        </str:WorkProductIdentification>
        <str:WorkProductProperties xmlns:str="http://www.saic.com/precis/2009/06/structures">
          <base:Created xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-27T14:10:03.718-
04:00</base:Created>
          <base:CreatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:CreatedBy>
          <base:LastUpdated xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-
27T14:10:03.843-04:00</base:LastUpdated>
          <base:LastUpdatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:LastUpdatedBy>
          <base:Kilobytes xmlns:base="http://www.saic.com/precis/2009/06/base">0</base:Kilobytes>
          <base:MimeType
xmlns:base="http://www.saic.com/precis/2009/06/base">application/zip</base:MimeType>
          <base:AssociatedGroups xmlns:base="http://www.saic.com/precis/2009/06/base">
            <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">IG-77b91a2f-90a2-442e-
87c7-354c49996cbf</base:Identifier>
          </base:AssociatedGroups>
        </str:WorkProductProperties>
      </ulex:PackageMetadata>
      <ns:Digest xmlns:ns="http://ucore.gov/ucore/2.0"
              xmlns:base="http://www.saic.com/precis/2009/06/base"
              xmlns:ddms="http://metadata.dod.mil/mdr/ns/DDMS/2.0/"
              xmlns:gml="http://www.opengis.net/gml/3.2"
              xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/"
              xmlns:preciss="http://www.saic.com/precis/2009/06/structures"
              xmlns:ucore="http://ucore.gov/ucore/2.0"
              xmlns:ulex="ulex:message:structure:1.0"
              xmlns:wp="http://uicds.org/WorkProductService">
        <ns:DigestMetadata xmlns:ns="http://ucore.gov/ucore/2.0"/>
        <ns:Location xmlns:ns="http://ucore.gov/ucore/2.0" id="Loc1">
          <ns:GeoLocation xmlns:ns="http://ucore.gov/ucore/2.0">
            <ns:Point xmlns:ns="http://ucore.gov/ucore/2.0">
              <gml:Point xmlns:gml="http://www.opengis.net/gml/3.2" gml:id="pt1"
                      srsName="urn:ogc:def:crs:EPSG:6.6:4326">
                <gml:pos xmlns:gml="http://www.opengis.net/gml/3.2">37.533933 -77.430024</gml:pos>
              </gml:Point>
            </ns:Point>
```

```
          </ns:GeoLocation>
        </ns:Location>
      </ns:Digest>
    </str:WorkProduct>
    <str:WorkProduct xmlns:str="http://www.saic.com/precis/2009/06/structures">
      <ulex:PackageMetadata xmlns:ulex="ulex:message:structure:1.0">
        <ulex:DataItemID xmlns:ulex="ulex:message:structure:1.0">Feature-d867ecb1-197e-40b8-8c55-
2e19db15e66b</ulex:DataItemID>
        <ulex:DataItemReferenceID xmlns:ulex="ulex:message:structure:1.0">Feature-d867ecb1-197e-40b8-
8c55-2e19db15e66b</ulex:DataItemReferenceID>
        <ns:DataItemStatus xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="Active"
                    ns:codespace="http://uicds.org/1.0/codespace/workproduct/status"
                    ns:label="UICDS Work Product Status"/>
        <ulex:DataOwnerMetadata xmlns:ulex="ulex:message:structure:1.0">
          <ns:DataOwnerIdentifier xmlns:ns="http://ucore.gov/ucore/2.0">
            <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
              <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">ucids.org</ns1:name>
            </ns1:Organization>
          </ns:DataOwnerIdentifier>
          <ns:DataOwnerContact xmlns:ns="http://ucore.gov/ucore/2.0">
            <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
              <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">http://uicds.us</ns1:name>
            </ns1:Organization>
          </ns:DataOwnerContact>
          <ulex:DataOwnerMetadataDomainAttribute xmlns:ulex="ulex:message:structure:1.0">
            <ulex:DomainName xmlns:ulex="ulex:message:structure:1.0">UICDS EM
Domain</ulex:DomainName>
          </ulex:DataOwnerMetadataDomainAttribute>
        </ulex:DataOwnerMetadata>
        <ns:DisseminationCriteria xmlns:ns="http://ucore.gov/ucore/2.0"/>
        <str:WorkProductIdentification xmlns:str="http://www.saic.com/precis/2009/06/structures">
          <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">Feature-d867ecb1-197e-
40b8-8c55-2e19db15e66b</base:Identifier>
          <base:Version xmlns:base="http://www.saic.com/precis/2009/06/base">2</base:Version>
          <base:Type xmlns:base="http://www.saic.com/precis/2009/06/base">Feature</base:Type>
          <base:Checksum xmlns:base="http://www.saic.com/precis/2009/06/base">Mon Sep 27 14:10:03 EDT
2010:2:0:30009110</base:Checksum>
          <base:State xmlns:base="http://www.saic.com/precis/2009/06/base">Active</base:State>
        </str:WorkProductIdentification>
        <str:WorkProductProperties xmlns:str="http://www.saic.com/precis/2009/06/structures">
          <base:Created xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-27T14:10:03.359-
04:00</base:Created>
          <base:CreatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:CreatedBy>
          <base:LastUpdated xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-
27T14:10:03.500-04:00</base:LastUpdated>
          <base:LastUpdatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:LastUpdatedBy>
          <base:Kilobytes xmlns:base="http://www.saic.com/precis/2009/06/base">0</base:Kilobytes>
          <base:MimeType
xmlns:base="http://www.saic.com/precis/2009/06/base">application/uicds+xml</base:MimeType>
          <base:AssociatedGroups xmlns:base="http://www.saic.com/precis/2009/06/base">
            <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">IG-77b91a2f-90a2-442e-
87c7-354c49996cbf</base:Identifier>
          </base:AssociatedGroups>
        </str:WorkProductProperties>
```

```
            </ulex:PackageMetadata>
            <ns:Digest xmlns:ns="http://ucore.gov/ucore/2.0"
                    xmlns:base="http://www.saic.com/precis/2009/06/base"
                    xmlns:ddms="http://metadata.dod.mil/mdr/ns/DDMS/2.0/"
                    xmlns:gml="http://www.opengis.net/gml/3.2"
                    xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/"
                    xmlns:preciss="http://www.saic.com/precis/2009/06/structures"
                    xmlns:ucore="http://ucore.gov/ucore/2.0"
                    xmlns:ulex="ulex:message:structure:1.0"
                    xmlns:wp="http://uicds.org/WorkProductService"
                    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <ns:DigestMetadata xmlns:ns="http://ucore.gov/ucore/2.0"/>
            <ns:Location xmlns:ns="http://ucore.gov/ucore/2.0" id="Loc1">
                <ns:GeoLocation xmlns:ns="http://ucore.gov/ucore/2.0">
                    <ns:Point xmlns:ns="http://ucore.gov/ucore/2.0">
                        <gml:Point xmlns:gml="http://www.opengis.net/gml/3.2" gml:id="pt1"
                                srsName="urn:ogc:def:crs:EPSG:6.6:4326">
                            <gml:pos xmlns:gml="http://www.opengis.net/gml/3.2">37.533933 -77.430024</gml:pos>
                        </gml:Point>
                    </ns:Point>
                </ns:GeoLocation>
            </ns:Location>
            <ns:Entity xmlns:ns="http://ucore.gov/ucore/2.0" id="Entity.T1">
                <ns:Descriptor xmlns:ns="http://ucore.gov/ucore/2.0">Chlorine Truck</ns:Descriptor>
                <ns:What xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="Equipment"
                        ns:codespace="http://ucore.gov/ucore/2.0/codespace/"/>
            </ns:Entity>
            <ns:LocatedAt xmlns:ns="http://ucore.gov/ucore/2.0" id="LA1">
                <ns:EntityRef xmlns:ns="http://ucore.gov/ucore/2.0" ref="Entity.T1"/>
                <ns:LocationRef xmlns:ns="http://ucore.gov/ucore/2.0" ref="Loc1"/>
            </ns:LocatedAt>
            </ns:Digest>
        </str:WorkProduct>
        <str:WorkProduct xmlns:str="http://www.saic.com/precis/2009/06/structures">
            <ulex:PackageMetadata xmlns:ulex="ulex:message:structure:1.0">
            <ulex:DataItemID xmlns:ulex="ulex:message:structure:1.0">MapViewContext-290a66b8-56e6-4e68-
99ee-8cf8908db4f3</ulex:DataItemID>
            <ulex:DataItemReferenceID xmlns:ulex="ulex:message:structure:1.0">MapViewContext-290a66b8-
56e6-4e68-99ee-8cf8908db4f3</ulex:DataItemReferenceID>
            <ns:DataItemStatus xmlns:ns="http://ucore.gov/ucore/2.0" ns:code="Active"
                        ns:codespace="http://uicds.org/1.0/codespace/workproduct/status"
                        ns:label="UICDS Work Product Status"/>
            <ulex:DataOwnerMetadata xmlns:ulex="ulex:message:structure:1.0">
                <ns:DataOwnerIdentifier xmlns:ns="http://ucore.gov/ucore/2.0">
                    <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
                        <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">ucids.org</ns1:name>
                    </ns1:Organization>
                </ns:DataOwnerIdentifier>
                <ns:DataOwnerContact xmlns:ns="http://ucore.gov/ucore/2.0">
                    <ns1:Organization xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">
                        <ns1:name xmlns:ns1="http://metadata.dod.mil/mdr/ns/DDMS/2.0/">http://uicds.us</ns1:name>
                    </ns1:Organization>
                </ns:DataOwnerContact>
                <ulex:DataOwnerMetadataDomainAttribute xmlns:ulex="ulex:message:structure:1.0">
                    <ulex:DomainName xmlns:ulex="ulex:message:structure:1.0">UICDS EM
Domain</ulex:DomainName>
```

```
            </ulex:DataOwnerMetadataDomainAttribute>
          </ulex:DataOwnerMetadata>
          <ns:DisseminationCriteria xmlns:ns="http://ucore.gov/ucore/2.0"/>
          <str:WorkProductIdentification xmlns:str="http://www.saic.com/precis/2009/06/structures">
            <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">MapViewContext-290a66b8-
56e6-4e68-99ee-8cf8908db4f3</base:Identifier>
            <base:Version xmlns:base="http://www.saic.com/precis/2009/06/base">1</base:Version>
            <base:Type xmlns:base="http://www.saic.com/precis/2009/06/base">MapViewContext</base:Type>
            <base:Checksum xmlns:base="http://www.saic.com/precis/2009/06/base">Mon Sep 27 14:10:02 EDT
2010:1:1:3326527532</base:Checksum>
            <base:State xmlns:base="http://www.saic.com/precis/2009/06/base">Active</base:State>
          </str:WorkProductIdentification>
          <str:WorkProductProperties xmlns:str="http://www.saic.com/precis/2009/06/structures">
            <base:Created xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-27T14:10:02.875-
04:00</base:Created>
            <base:CreatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:CreatedBy>
            <base:LastUpdated xmlns:base="http://www.saic.com/precis/2009/06/base">2010-09-
27T14:10:02.875-04:00</base:LastUpdated>
            <base:LastUpdatedBy
xmlns:base="http://www.saic.com/precis/2009/06/base">user1@clash.saic.com</base:LastUpdatedBy>
            <base:Kilobytes xmlns:base="http://www.saic.com/precis/2009/06/base">1</base:Kilobytes>
            <base:MimeType
xmlns:base="http://www.saic.com/precis/2009/06/base">application/uicds+xml</base:MimeType>
            <base:AssociatedGroups xmlns:base="http://www.saic.com/precis/2009/06/base">
              <base:Identifier xmlns:base="http://www.saic.com/precis/2009/06/base">IG-77b91a2f-90a2-442e-
87c7-354c49996cbf</base:Identifier>
            </base:AssociatedGroups>
          </str:WorkProductProperties>
        </ulex:PackageMetadata>
      </str:WorkProduct>
    </wor:WorkProductList>
  </wor:GetAssociatedWorkProductListResponse>
 </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

2.5.12 Close an Incident

When an incident is closed and updates to its work products should no longer be accepted by UICDS the core should be notified with a CloseIncident request to the Incident Management Service at:

https://localhost/uicds/core/ws/services/IncidentManagementService

Request:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
 <soap:Body xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
   <ims:CloseIncidentRequest xmlns:ims="http://uicds.org/IncidentManagementService">
     <ims:IncidentID xmlns:ims="http://uicds.org/IncidentManagementService">IG-77b91a2f-90a2-442e-87c7-
354c49996cbf</ims:IncidentID>
   </ims:CloseIncidentRequest>
 </soap:Body>
```

```
</soap:Envelope>
```

Expected Response:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"/>
  <SOAP-ENV:Body xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
    <inc:CloseIncidentResponse xmlns:inc="http://uicds.org/IncidentManagementService">
      <str:WorkProductProcessingStatus xmlns:str="http://www.saic.com/precis/2009/06/structures">
        <base:Status xmlns:base="http://www.saic.com/precis/2009/06/base">Accepted</base:Status>
      </str:WorkProductProcessingStatus>
    </inc:CloseIncidentResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Once an incident is closed the core will designate all the associated work products as inactive and will no longer accept updates. UICDS clients will receive notifications about a new version of each work product with its state set to "Inactive".

2.5.13   Archive an Incident

When an incident no longer needs to be shared via UICDS the core should be notified with an ArchiveIncident request to the Incident Management Service at:

https://localhost/uicds/core/ws/services/IncidentManagementService

Request:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
 <soap:Body xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
   <ims:ArchiveIncidentRequest xmlns:ims="http://uicds.org/IncidentManagementService">
     <ims:IncidentID xmlns:ims="http://uicds.org/IncidentManagementService">IG-77b91a2f-90a2-442e-87c7-
354c49996cbf</ims:IncidentID>
   </ims:ArchiveIncidentRequest>
 </soap:Body>
</soap:Envelope>
```

Expected Response:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"/>
  <SOAP-ENV:Body xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
    <inc:ArchiveIncidentResponse xmlns:inc="http://uicds.org/IncidentManagementService">
      <str:WorkProductProcessingStatus xmlns:str="http://www.saic.com/precis/2009/06/structures">
        <base:Status xmlns:base="http://www.saic.com/precis/2009/06/base">Accepted</base:Status>
      </str:WorkProductProcessingStatus>
    </inc:ArchiveIncidentResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

The core will then remove the incident and all the work products associated with the incident. It will also send notifications to all UICDS clients that each work product associated with the incident has been deleted with a WorkProductDeletedNotification. This notification should trigger the clients to archive that incident in the appropriate manner.

2.5.14 Unregister a Resource Instance

A resource instance can be unregistered when it is no longer interested in receiving notifications or if it wants to be associated with a different Resource Profile.

https://localhost/uicds/core/ws/services/ ResourceInstanceService

Request:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
 <soapenv:Header/>
 <soapenv:Body>
  <ris:UnregisterRequest xmlns:ris="http://uicds.org/ResourceInstanceService"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <ris:ID>SuperIncidentManagementApplication</ris:ID>
  </ris:UnregisterRequest>
 </soapenv:Body>
</soapenv:Envelope>
```

Expected Response:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"/>
  <SOAP-ENV:Body xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
    <res:UnregisterResponse xmlns:res="http://uicds.org/ResourceInstanceService">
      <ris:ID xmlns:ris="http://uicds.org/ResourceInstanceService"
         xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance">SuperIncidentManagementApplication</ris:ID>
    </res:UnregisterResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```