

Conformance Statements for WSRF-ResourceLifetime 1.2

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Statements:

Conformance Statement ID: WSRF_RL_0001

Conformance Statement Description:

Category: Message

Line #: 203

Description:

The format of the Destroy request message MUST conform to the following schema:

```
<xsd:element name="Destroy">  
  <xsd:complexType />  
</xsd:element>
```

Conformance Statement ID: WSRF_RL_0002

Conformance Statement Description:

Category: Message

Line #: 207

Description:

The wsa:Action MUST contain the URI:

<http://docs.oasis-open.org/wsrf/rlw-2/ImmediateResourceTermination/DestroyRequest>.

Conformance Statement ID: WSRF_RL_0003

Conformance Statement Description:

Category: Message

Line #: 209

Description:

The format of the response to the Destroy request message MUST conform to the following schema:

```
<xsd:element name="DestroyResponse">  
  <xsd:complexType />  
</xsd:element>
```

Conformance Statement ID: WSRF_RL_0004

Conformance Statement Description:

Category: Message

Line #: 230

Description:

The wsa:Action MUST contain the URI:

<http://docs.oasis-open.org/wsrf/rlw-2/ImmediateResourceTermination/DestroyResponse>.

Conformance Statement ID: WSRF_RL_0005

Conformance Statement Description:

Category: Message

Line #: 281

Description:

Note that xsd:dateTime includes an optional designation of a time zone. The use of the time zone designation is RECOMMENDED.

All messages including a xsd:dateTime element will be checked for conformance to this RECOMMENDATION.

Conformance Statement ID: WSRF_RL_0006

Conformance Statement Description:

Category: WSDL

Line #: 302

Description:

If the SetTerminationTime request is supported, the resource properties document MUST include a resource property element that provides the current time as it is known by the WS-Resource. The form of this resource property element MUST conform to the following schema:

```
<xsd:element name="CurrentTime" >
  <xsd:complexType>
    <xsd:simpleContent>
      <xsd:extension base="xsd:dateTime" >
        <xsd:anyAttribute namespace="##other"
processContents="lax"/>
      </xsd:extension>
    </xsd:simpleContent>
  </xsd:complexType>
</xsd:element>
```

Conformance Statement ID: WSRF_RL_0007

Conformance Statement Description:

Category: WSDL

Line #: 318

Description:

If the SetTerminationTime request is supported, the WS-Resource MUST provide a resource property element that indicates the current termination time of the WS-Resource. The form of this resource property element MUST conform to the following schema:

```
<xsd:element name="TerminationTime" nillable="true">
  <xsd:complexType>
    <xsd:simpleContent>
      <xsd:extension base="xsd:dateTime" >
        <xsd:anyAttribute namespace="##other"
processContents="lax"/>
      </xsd:extension>
    </xsd:simpleContent>
  </xsd:complexType>
</xsd:element>
```

Conformance Statement ID: WSRF_RL_0008

Conformance Statement Description:

Category: Message

Line #: 338

Description:

A WS-Resource supporting the ScheduledResourceTermination message exchange (scheduled destruction) must implement the SetTerminationTime request message. The format of the SetTerminationTime request message MUST conform to the following schema:

```
<xsd:element name="SetTerminationTime">
  <xsd:complexType>
    <xsd:choice>
      <xsd:element name="RequestedTerminationTime"
nillable="true" type="xsd:dateTime" />
      <xsd:element name="RequestedLifetimeDuration"
type="xsd:duration" />
    </xsd:choice>
  </xsd:complexType>
</xsd:element>
```

Conformance Statement ID: WSRF_RL_0009

Conformance Statement Description:

Category: Message

Line #: 351

Description:

The wsa:Action MUST contain the following URI:

<http://docs.oasis-open.org/wsrf/rlw-2/ScheduledResourceTermination/SetTerminationTimeRequest>.

Conformance Statement ID: WSRF_RL_0010**Conformance Statement Description:**

Category: Message

Line #: 379

Description:

If the SetTerminationTime request message is accepted, the WS-Resource MUST respond with a SetTerminationTimeResponse message which MUST conform to the following schema:

```
<xsd:element name="SetTerminationTimeResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="NewTerminationTime"
nillable="true" type="xsd:dateTime" />
      <xsd:element name="CurrentTime"
type="xsd:dateTime" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

Conformance Statement ID: WSRF_RL_0011**Conformance Statement Description:**

Category: Message

Line #: 416

Description:

The wsa:Action MUST contain the following URI:

<http://docs.oasis-open.org/wsrf/rlw2/ScheduledResourceTermination/SetTerminationTimeResponse>.

Conformance Statement ID: WSRF_RL_0012**Conformance Statement Description:**

Category: WSDL

Line #: 476 - 485

Description:

A WS-Resource MAY choose to support the pattern of notifying interested parties when it is destroyed. If the WS-Resource is also a NotificationProducer, according to the WS-BaseNotification specification [WS-BaseNotification], then it SHOULD provide a topic [WS-Topics] to allow requestors to subscribe for notification of its destruction.

In other words, if a WS-Resource defines either the ImmediateResourceTermination OR the ScheduledResourceTermination portTypes AND is also a NotificationProducer, then it SHOULD also define a topic which conforming to WS-Topics defined schema:

```
<xsd:element name="TopicNamespace" type="wstop:TopicNamespaceType">
  <xsd:unique name="rootTopicUniqueness">
    <xsd:selector xpath="wstop:Topic"/>
    <xsd:field xpath="@name"/>
  </xsd:unique>
</xsd:element>
```

The topic should be of the form:

```
<wstop:TopicNamespace name="ResourceLifetime"
  targetNamespace=
    "http://docs.oasis-open.org/wsrf/rl-2"
... >
  <wstop:Topic name="ResourceTermination" ...>
    <wstop:MessagePattern>
      <wsrf-rp:QueryExpression
        dialect="http://www.w3.org/TR/1999/REC-xpath-19991116" >
        boolean(//*[TerminationNotification])
      </wsrf-rp:QueryExpression>
    </wstop:MessagePattern>
  </wstop:Topic>
</wstop:TopicNamespace>
```

Conformance Statement ID: WSRF_RL_0013

Conformance Statement Description:

Category: Message

Line #: 501

Description:

The notification message associated with this topic MUST contain a TerminationNotification element conforming to the following schema:

```
<xsd:element name="TerminationNotification">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="TerminationTime"
type="xsd:dateTime" minOccurs="1" maxOccurs="1" nillable="true" />
      <xsd:element name="TerminationReason"
type="xsd:anyType" minOccurs="0" maxOccurs="1" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```