

Conformance Statements for WSN-BaseNotification 1.3

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Statements:

Conformance Statement ID: WSN_BASE_0001

Conformance Statement Description:

Category: Message

Line #: 202

Description:

All faults generated by a NotificationProducer or SubscriptionManager SHOULD be compliant with the WS-BaseFaults [WS-BaseFaults] specification.

Conformance Statement ID: WSN_BASE_0002

Conformance Statement Description:

Category: WSDL

Line #: 204

Description:

All faults defined by this specification MUST use the following URI for the WS-Addressing [action] Message Addressing Property:
<http://docs.oasis-open.org/wsn/fault>.

Conformance Statement ID: WSN_BASE_0003

Conformance Statement Description:

Category: Message

Line #: 328

Description:

The format of the Notify message MUST conform to the following schema:

```
<xsd:element name="Notify" >
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="wsnt:NotificationMessage"
        minOccurs="1" maxOccurs="unbounded" />
      <xsd:any namespace="##other" processContents="lax"
        minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

Conformance Statement ID: WSN_BASE_0004

Conformance Statement Description:

Category: Message

Line #: 348

Description:

The WS-Addressing [action] Message Addressing Property MUST contain the URI:
<http://docs.oasis-open.org/wsn/bw-2/NotificationConsumer/Notify>.

Conformance Statement ID: WSN_BASE_0005

Conformance Statement Description:

Category: WSDL

Line #: 402

Description:

If a NotificationProducer also supports the required message exchanges defined in the [WS-ResourceProperties] specification and, additionally, the optional message exchanges defined in the

WS-ResourceProperties specification their (resource properties) definition MUST conform to the following schema fragment for content:

```
...
  targetNamespace="http://docs.oasis-open.org/wsn/b-2"
...
  <xsd:element name="TopicExpression" type="wsnt:TopicExpressionType"/>
  <xsd:element name="FixedTopicSet" type="xsd:boolean" default="true"/>
  <xsd:element name="TopicExpressionDialect" type="xsd:anyURI"/>
  <xsd:element name="wstop:TopicSet" type="wstop:TopicSetType"/>
...
```

These properties must also conform to the following schema fragment for cardinality:

```
<xsd:element ref="wsnt:TopicExpression"
  minOccurs="0" maxOccurs="unbounded" />
<xsd:element ref="wsnt:FixedTopicSet"
  minOccurs="0" maxOccurs="1" />
<xsd:element ref="wsnt:TopicExpressionDialect"
  minOccurs="0" maxOccurs="unbounded" />
<xsd:element ref="wstop:TopicSet"
  minOccurs="0" maxOccurs="1" />
```

Conformance Statement ID: WSN_BASE_0006

Conformance Statement Description:

Category: Message

Line #: 487

Description:

The format of the Subscribe message MUST conform to the following schema:

```

<xsd:element name="Subscribe" >
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="ConsumerReference"
        type="wsa:EndpointReferenceType"
        minOccurs="1" maxOccurs="1" />
      <xsd:element name="Filter"
        type="wsnt:FilterType"
        minOccurs="0" maxOccurs="1" />
      <xsd:element name="InitialTerminationTime"
        type="wsnt:AbsoluteOrRelativeTimeType"
        nillable="true"
        minOccurs="0" maxOccurs="1" />
      <xsd:element name="SubscriptionPolicy"
        minOccurs="0" maxOccurs="1">
        <xsd:complexType>
          <xsd:sequence>
            <xsd:any namespace="##any" processContents="lax"
              minOccurs="0" maxOccurs="unbounded"/>
          </xsd:sequence>
        </xsd:complexType>
      </xsd:element>
      <xsd:any namespace="##other" processContents="lax"
        minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

Conformance Statement ID: WSN_BASE_0007

Conformance Statement Description:

Category: Message

Line #: 517

Description:

The WS-Addressing [action] Message Addressing Property MUST contain the URI:
<http://docs.oasis-open.org/wsn/bw-2/NotificationProducer/SubscribeRequest>.

Conformance Statement ID: WSN_BASE_0008

Conformance Statement Description:

Category: Message

Line #: 521

Description:

/wsnt:Subscribe/wsnt:ConsumerReference MUST be an endpoint reference element, as defined by WS-Addressing [WS-Addressing], used to identify the NotificationConsumer.

Conformance Statement ID: WSN_BASE_0009

Conformance Statement Description:

Category: Message

Line #: 559

Description:

/wsnt:Subscribe/wsnt:Filter/wsnt:TopicExpression/@Dialect is a REQUIRED attribute of type URI that identifies the language of the TopicExpression.

Conformance Statement ID: WSN_BASE_0010

Conformance Statement Description:

Category: Message

Line #: 652

Description:

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

```

<xsd:element name="SubscribeResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="SubscriptionReference"
        type="wsa:EndpointReferenceType"
        minOccurs="1" maxOccurs="1" />
      <xsd:element ref="wsnt:CurrentTime"
        minOccurs="0" maxOccurs="1" />
      <xsd:element ref="wsnt:TerminationTime"
        minOccurs="0" maxOccurs="1" />
      <xsd:any namespace="##other" processContents="lax"
        minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

Conformance Statement ID: WSN_BASE_0011

Conformance Statement Description:

Category: Message

Line #: 663

Description:

The WS-Addressing [action] Message Addressing Property MUST contain the URI:
<http://docs.oasis-open.org/wsn/bw-2/NotificationProducer/SubscribeResponse>.

Conformance Statement ID: WSN_BASE_0012

Conformance Statement Description:

Category: Message

Line #: 666

Description:

/wsnt:SubscribeResponse/wsnt:SubscriptionReference

A reference to the Subscription created as a result of the Subscribe message. This reference MUST be an endpoint reference element, as defined by WS-Addressing [WS-Addressing].

Conformance Statement ID: WSN_BASE_0013

Conformance Statement Description:

Category: Message

Line #: 787

Description:

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

```

<xsd:element name="GetCurrentMessage">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="Topic"
        type="wsnt:TopicExpressionType" />
      <xsd:any namespace="##other" processContents="lax"
        minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

Conformance Statement ID: WSN_BASE_0014

Conformance Statement Description:

Category: Message

Line #: 796

Description:

The WS-Addressing [action] Message Addressing Property MUST contain the URI:
<http://docs.oasis-open.org/wsn/bw-2/NotificationProducer/GetCurrentMessageRequest>.

Conformance Statement ID: WSN_BASE_0015

Conformance Statement Description:**Category:** Message**Line #:** 802**Description:**

The format of the response to a GetCurrentMessage request MUST conform to the following schema:

```
<xsd:element name="GetCurrentMessageResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:any namespace="##other" processContents="lax"
        minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

Conformance Statement ID: WSN_BASE_0016**Conformance Statement Description:****Category:** Message**Line #:** 808**Description:**

The WS-Addressing [action] Message Addressing Property MUST contain the URI:
<http://docs.oasis-open.org/wsn/bw-2/NotificationProducer/GetCurrentMessageResponse>.

Conformance Statement ID: WSN_BASE_0017**Conformance Statement Description:****Category:** WSDL**Line #:** 892**Description:**

If a PullPoint is a WS-Resource, the PullPoint WS-Resource MUST support the immediate termination interface defined by WS-ResourceLifetime and it MAY support the scheduled termination interface defined by WS-ResourceLifetime.

Conformance Statement ID: WSN_BASE_0018**Conformance Statement Description:****Category:** Message**Line #:** 913**Description:**

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

```
<xsd:element name="GetMessages">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="MaximumNumber"
        type="xsd:nonNegativeInteger"
        minOccurs="0"/>
      <xsd:any namespace="##other" processContents="lax"
        minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
    <xsd:anyAttribute/>
  </xsd:complexType>
</xsd:element>
```

Conformance Statement ID: WSN_BASE_0019**Conformance Statement Description:****Category:** Message**Line #:** 921**Description:**

The WS-Addressing [action] Message Addressing Property MUST contain the URI:
<http://docs.oasis-open.org/wsn/bw-2/PullPoint/GetMessagesRequest>.

Conformance Statement ID: WSN_BASE_0020

Conformance Statement Description:**Category:** Message**Line #:** 938**Description:**

The response of the GetMessages request MUST conform to the following schema:

```
<xsd:element name="GetMessagesResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="wsnt:NotificationMessage"
        minOccurs="0" maxOccurs="unbounded" />
      <xsd:any namespace="##other" processContents="lax"
        minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
    <xsd:anyAttribute/>
  </xsd:complexType>
</xsd:element>
```

Conformance Statement ID: WSN_BASE_0021**Conformance Statement Description:****Category:** Message**Line #:** 945**Description:**The WS-Addressing [action] Message Addressing Property MUST contain the URI:
<http://docs.oasis-open.org/wsn/bw-2/PullPoint/GetMessagesResponse>.**Conformance Statement ID:** WSN_BASE_0022**Conformance Statement Description:****Category:** Message**Line #:** 1006**Description:**

The DestroyPullPoint request message MUST conform to the following schema:

```
<xsd:element name="DestroyPullPoint">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:any namespace="##other" processContents="lax"
        minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
    <xsd:anyAttribute/>
  </xsd:complexType>
</xsd:element>
```

Conformance Statement ID: WSN_BASE_0023**Conformance Statement Description:****Category:** Message**Line #:** 1012**Description:**The WS-Addressing [action] Message Addressing Property MUST contain the URI:
<http://docs.oasis-open.org/wsn/bw-2/PullPoint/DestroyPullPointRequest>.**Conformance Statement ID:** WSN_BASE_0024**Conformance Statement Description:****Category:** Message**Line #:** 1015**Description:**

The response of the DestroyPullPoint request MUST conform to the following schema:

```
<xsd:element name="DestroyPullPointResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:any namespace="##other" processContents="lax"
        minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
    <xsd:anyAttribute/>
  </xsd:complexType>
</xsd:element>
```

Conformance Statement ID: WSN_BASE_0025

Conformance Statement Description:

Category: Message

Line #: 1022

Description:

The WS-Addressing [action] Message Addressing Property MUST contain the URI:
<http://docs.oasis-open.org/wsn/bw-2/PullPoint/DestroyPullPointResponse>.

Conformance Statement ID: WSN_BASE_0026

Conformance Statement Description:

Category: Message

Line #: 1066

Description:

The CreatePullPoint request message MUST conform to the following schema:

```
<xsd:element name="CreatePullPoint">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:any namespace="##other" processContents="lax"
        minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
    <xsd:anyAttribute/>
  </xsd:complexType>
</xsd:element>
```

Conformance Statement ID: WSN_BASE_0027

Conformance Statement Description:

Category: Message

Line #: 1073

Description:

The WS-Addressing [action] Message Addressing Property MUST contain the URI:
<http://docs.oasis-open.org/wsn/bw-2/CreatePullPoint/CreatePullPointRequest>.

Conformance Statement ID: WSN_BASE_0028

Conformance Statement Description:

Category: Message

Line #: 1076

Description:

The response of the CreatePullPoint request MUST conform to the following schema:

```

<xsd:element name="CreatePullPointResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="PullPoint"
        type="wsa:EndpointReferenceType"/>
      <xsd:any namespace="##other" processContents="lax"
        minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
    <xsd:anyAttribute/>
  </xsd:complexType>
</xsd:element>

```

Conformance Statement ID: WSN_BASE_0029

Conformance Statement Description:

Category: Message

Line #: 1084

Description:

The WS-Addressing [action] Message Addressing Property MUST contain the URI:
<http://docs.oasis-open.org/wsn/bw-2/CreatePullPoint/CreatePullPointResponse>.

Conformance Statement ID: WSN_BASE_0030

Conformance Statement Description:

Category: Message

Line #: 1087

Description:

/wsnt:CreatePullPointResponse/wsnt:PullPoint MUST be an EndpointReference, as defined by WS-Addressing, that is a reference to the PullPoint resource created during the processing of the CreatePullPoint request message.

Conformance Statement ID: WSN_BASE_0031

Conformance Statement Description:

Category: Message

Line #: 1146

Description:

The Renew request message MUST conform to the following schema:

```

<xsd:element name="Renew">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="TerminationTime"
        type="wsnt:AbsoluteOrRelativeTimeType"
        nillable="true"
        minOccurs="1" maxOccurs="1" />
      <xsd:any namespace="##other" processContents="lax"
        minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

Conformance Statement ID: WSN_BASE_0032

Conformance Statement Description:

Category: Message

Line #: 1155

Description:

The WS-Addressing [action] Message Addressing Property MUST contain the URI:
<http://docs.oasis-open.org/wsn/bw-2/SubscriptionManager/RenewRequest>.

Conformance Statement ID: WSN_BASE_0033

Conformance Statement Description:

Category: Message

Line #: 1179

Description:

The response of the Renew request MUST conform to the following schema:

```
<xsd:element name="RenewResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="wsnt:TerminationTime"
        minOccurs="1" maxOccurs="1" />
      <xsd:element ref="wsnt:CurrentTime"
        minOccurs="0" maxOccurs="1" />
      <xsd:any namespace="##other" processContents="lax"
        minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

Conformance Statement ID: WSN_BASE_0034

Conformance Statement Description:

Category: Message

Line #: 1187

Description:

The WS-Addressing [action] Message Addressing Property MUST contain the URI:
<http://docs.oasis-open.org/wsn/bw-2/SubscriptionManager/RenewResponse>.

Conformance Statement ID: WSN_BASE_0035

Conformance Statement Description:

Category: Message

Line #: 1240

Description:

The Unsubscribe request message MUST conform to the following schema:

```
<xsd:element name="Unsubscribe">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:any namespace="##other" processContents="lax"
        minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

Conformance Statement ID: WSN_BASE_0036

Conformance Statement Description:

Category: Message

Line #: 1246

Description:

The WS-Addressing [action] Message Addressing Property MUST contain the URI:
<http://docs.oasis-open.org/wsn/bw-2/SubscriptionManager/UnsubscribeRequest>.

Conformance Statement ID: WSN_BASE_0037

Conformance Statement Description:

Category: Message

Line #: 1249

Description:

The response of the Unsubscribe request MUST conform to the following schema:

```
<xsd:element name="UnsubscribeResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:any namespace="##other" processContents="lax"
        minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

Conformance Statement ID: WSN_BASE_0038

Conformance Statement Description:

Category: Message

Line #: 1256

Description:

The WS-Addressing [action] Message Addressing Property MUST contain the URI:
<http://docs.oasis-open.org/wsn/bw-2/SubscriptionManager/UnsubscribeResponse>.

Conformance Statement ID: WSN_BASE_0039

Conformance Statement Description:

Category: Message

Line #: 1303

Description:

The PauseSubscription request message MUST conform to the following schema:

```
<xsd:element name="PauseSubscription">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:any namespace="##other" processContents="lax"
        minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

Conformance Statement ID: WSN_BASE_0040

Conformance Statement Description:

Category: Message

Line #: 1307

Description:

The WS-Addressing [action] Message Addressing Property MUST contain the URI:
<http://docs.oasis-open.org/wsn/bw-2/SubscriptionManager/PauseSubscriptionRequest>.

Conformance Statement ID: WSN_BASE_0041

Conformance Statement Description:

Category: Message

Line #: 1329

Description:

The response of the PauseSubscription request MUST conform to the following schema:

```
<xsd:element name="PauseSubscriptionResponse" >
  <xsd:complexType>
    <xsd:sequence>
      <xsd:any namespace="##other" processContents="lax"
        minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

Conformance Statement ID: WSN_BASE_0042

Conformance Statement Description:

Category: Message

Line #: 1334

Description:

The WS-Addressing [action] Message Addressing Property MUST contain the URI:
<http://docs.oasis-open.org/wsn/bw-2/SubscriptionManager/PauseSubscriptionResponse>.

Conformance Statement ID: WSN_BASE_0043

Conformance Statement Description:

Category: Message

Line #: 1375

Description:

The ResumeSubscription request message MUST conform to the following schema:

```
<xsd:element name="ResumeSubscription">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:any namespace="##other" processContents="lax"
        minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

Conformance Statement ID: WSN_BASE_0044

Conformance Statement Description:

Category: Message

Line #: 1382

Description:

The WS-Addressing [action] Message Addressing Property MUST contain the URI:
<http://docs.oasis-open.org/wsn/bw-2/SubscriptionManager/ResumeSubscriptionRequest>.

Conformance Statement ID: WSN_BASE_0045

Conformance Statement Description:

Category: Message

Line #: 1387

Description:

The response of the ResumeSubscription request MUST conform to the following schema:

```
<xsd:element name="ResumeSubscriptionResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:any namespace="##other" processContents="lax"
        minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

Conformance Statement ID: WSN_BASE_0046

Conformance Statement Description:

Category: Message

Line #: 1394

Description:

The WS-Addressing [action] Message Addressing Property MUST contain the URI:
<http://docs.oasis-open.org/wsn/bw-2/SubscriptionManager/ResumeSubscriptionResponse>.