

# Conformance Statements for WSRF-ServiceGroup 1.2

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## **Statements:**

**Conformance Statement ID:** WSRF\_SG\_0001

**Conformance Statement Description:**

**Category:** WSDL

**Line #:** 257

**Description:**

In addition to the message exchanges described in this specification, a ServiceGroup MUST also support the required message exchanges defined in the WS-ResourceProperties specification.

**Conformance Statement ID:** WSRF\_SG\_0002

**Conformance Statement Description:**

**Category:** WSDL

**Line #:** 260; 262

**Description:**

The resource property document defined by the ServiceGroup MUST include the MembershipContentRule resource property element which MUST conform to the following schema:

```
<xsd:element name="MembershipContentRule">
  <xsd:complexType>
    <xsd:attribute name="MemberInterfaces"
      type="wsrf-sg:MemberInterfacesType"/>
    <xsd:attribute name="ContentElements"
      type="wsrf-sg:ContentElementsType"
      use="required"/>
    <xsd:anyAttribute namespace="##other"
      processContents="lax"/>
  </xsd:complexType>
</xsd:element>
```

**Conformance Statement ID:** WSRF\_SG\_0003

**Conformance Statement Description:**

**Category:** WSDL

**Line #:** 260; 318

**Description:**

The resource property document defined by the ServiceGroup MUST include the Entry resource property element which MUST conform to the following schema:

```
<xsd:element name="Entry"
  type="wsrf-sg:EntryType"/>
```

**Conformance Statement ID:** WSRF\_SG\_0004

**Conformance Statement Description:**

**Category:** WSDL

**Line #:** 386

**Description:**

In addition to the message exchanges described in this specification, a ServiceGroupEntry MUST also support the required message exchanges defined in the WS-ResourceProperties specification.

**Conformance Statement ID:** WSRF\_SG\_0005

**Conformance Statement Description:**

**Category:** WSDL

**Line #:** 391

**Description:**

The resource property document defined by the ServiceGroupEntry MUST include the ServiceGroupEPR resource property element which MUST conform to the following schema:

```
<xsd:element name="ServiceGroupEPR"
             type="wsa:EndpointReferenceType"/>
```

**Conformance Statement ID:** WSRF\_SG\_0006

**Conformance Statement Description:**

**Category:** WSDL

**Line #:** 403

**Description:**

The resource property document defined by the ServiceGroupEntry MUST include the MemberEPR resource property element which MUST conform to the following schema:

```
<xsd:element name="MemberEPR"
             type="wsa:EndpointReferenceType"/>
```

**Conformance Statement ID:** WSRF\_SG\_0007

**Conformance Statement Description:**

**Category:** WSDL

**Line #:** 415

**Description:**

The resource property document defined by the ServiceGroupEntry MUST include the Content resource property element which MUST conform to the following schema:

```
<xsd:element name="Content"
             type="wsrf-sg:ContentType"/>
```

**Conformance Statement ID:** WSRF\_SG\_0008

**Conformance Statement Description:**

**Category:** Message

**Line #:** 455

**Description:**

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

```
<xsd:element name="Add">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="MemberEPR"
                  type="wsa:EndpointReferenceType" />
      <xsd:element ref="wsrf-sg:Content" />
      <xsd:element name="InitialTerminationTime"
                  type="wsrf-
sg:AbsoluteOrRelativeTimeType"
                  nillable="true"
                  minOccurs="0" maxOccurs="1" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

**Conformance Statement ID:** WSRF\_SG\_0009

**Conformance Statement Description:**

**Category:** Message

**Line #:** 505

**Description:**

The wsa:Action MUST contain the URI:

<http://docs.oasis-open.org/wsrf/sgw-2/ServiceGroupRegistration/AddRequest>.

**Conformance Statement ID:** WSRF\_SG\_0010**Conformance Statement Description:**

**Category:** Message

**Line #:** 507

**Description:**

If the ServiceGroupRegistration accepts the request to add a member, it MUST respond with an AddResponse message which MUST conform to the following schema:

```
<xsd:element name="AddResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="ServiceGroupEntryReference"
        type="wsa:EndpointReferenceType"
        minOccurs="1" maxOccurs="1" />
      <xsd:element name="TerminationTime"
        nillable="true"
        type="xsd:dateTime"
        minOccurs="1" maxOccurs="1" />
      <xsd:element name="CurrentTime"
        type="xsd:dateTime"
        minOccurs="1" maxOccurs="1" />
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

**Conformance Statement ID:** WSRF\_SG\_0011**Conformance Statement Description:**

**Category:** Message

**Line #:** 540

**Description:**

The wsa:Action MUST contain the URI:

<http://docs.oasis-open.org/wsrf/sgw-2/ServiceGroupRegistration/AddResponse>.

**Conformance Statement ID:** WSRF\_SG\_0012**Conformance Statement Description:**

**Category:** WSDL

**Line #:** 623

**Description:**

If the Web service component of the ServiceGroup WS-Resource also implements the NotificationProducer interface defined by the WS-BaseNotification specification [WS-BaseNotification], then it MUST provide a topic [WS-Topics] to allow requestors to subscribe for notification of the modification of the ServiceGroup. This topic definition MUST conform to the 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 form of the TopicNamespace [WS-Topics] is:

```

<wstop:TopicNamespace name="ServiceGroupTopicNamespace"
  targetNamespace="http://docs.oasis-open.org/wsrp/sg-2"
  xmlns:wsrf-rp="http://docs.oasis-open.org/wsrp/rp-2"
  xmlns:wstop="http://docs.oasis-open.org/wsn/t-1" >
  <wstop:Topic name="ServiceGroupModification" >
    <wstop:MessagePattern>
      <wsrf-rp:QueryExpression
        dialect="http://www.w3.org/TR/1999/REC-xpath-19991116"
      >
        <boolean( ( /*/*EntryAdditionNotification
          \[namespace-uri()='http://docs.oasis-
open.org/wsrp/sg-2'] ) |
          ( /*/*EntryRemovalNotification
          \[namespace-uri()='http://docs.oasis-
open.org/wsrp/sg-2'] ) )
          <boolean( /*/*EntryAdditionNotification |
            /*/*EntryRemovalNotification )
          </wsrf-rp:QueryExpression>
        </wstop:MessagePattern>
      </wstop:Topic>
    </wstop:TopicNamespace>

```

**Conformance Statement ID:** WSRF\_SG\_0013

**Conformance Statement Description:**

**Category:** Message

**Line #:** 675

**Description:**

An EntryAdditionNotification associated with the ServiceGroupModification topic MUST conform to the following schema:

```

<xsd:element name="EntryAdditionNotification"
  type="wsrf-
sg:ServiceGroupModificationNotificationType" />

```

**Conformance Statement ID:** WSRF\_SG\_0014

**Conformance Statement Description:**

**Category:** Message

**Line #:** 707

**Description:**

An EntryDeletionNotification associated with the ServiceGroupModification topic MUST conform to the following schema:

```

<xsd:element name="EntryRemovalNotification"
  type="wsrf-sg:ServiceGroupRemovalNotificationType"
/>

```