



Sensor Measurement

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1. INTRODUCTION

Sensor Measurement profile describes how sensors transmit their measurements to the C2 Systems, where organizations can analyze the observations. This is important across the whole emergency incident life-cycle, including preparedness, initial and on-going response, recovery and demobilization/release of sensors.

2. OBJECTIVES

The objective of implementing this profile is to expect that all sensors are sending measurements of their observations according to their configuration (c.f. Sensor Management profile).

3. SCOPE

This profile supports the process of sensors that send measurements to C2 Systems. The intended scope for this profile includes:

- During and after emergency situations
- By emergency managers
- Among on-site coordination centers, local organizations, national organizations and non-governmental organizations.

It is assumed, (1) that the sensor infrastructure is ready to run and (2) that sensors can send their measurements. That means that configuration (including type of protocol, physical connection, etc.) is a prerequisite and thus not part of this profile.

4. PROFILE DETAILED DESCRIPTION

4.2. Roles Involved

Actor	Description
Sensor	Sensors are used in the emergency domain to provide the desired data like temperature, water level, air pollution, smoke, radioactivity etc.
Sensor Data Consumer	The Sensor Data Consumers are entities interested in sensor data, like an Emergency Map Tool or a Data Storage.

4.3. Actor Diagram

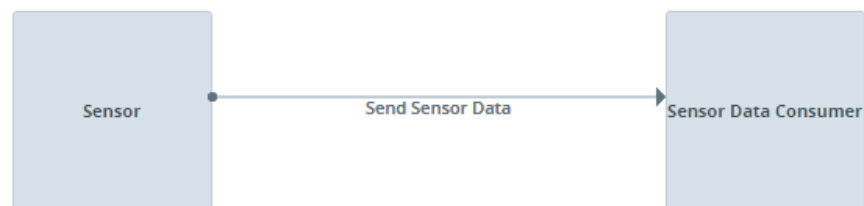


Figure above shows the actors directly involved in the Sensor Measurement Profile and the possible messages to be exchanged between them.

4.4. Transaction Information

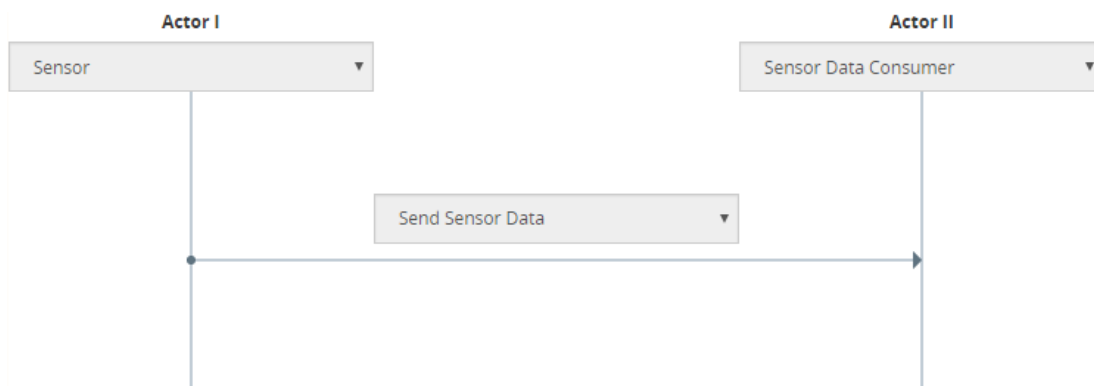
4.4.1. Send Measurements

4.4.1.1. Description

Categories	Description and Values
Identifier	1467281788444
Description	The sensors provide the required data with the

	desired resolution in time and spatial domain.
Actors	Sensor, Sensor Data Consumer
Pre-conditions	Sensors need to be configured, according to the type of sensor and the connection to the sensor adapter, so that they are ready to run and listening for commands
Post-conditions	Sensor continues to send measurement values

4.4.1.2. Interaction Diagram



4.4.1.3. Send Sensor Data Message

4.4.1.3.1. Message Semantics

```

<?xml version="1.0" encoding="UTF-8"?>
<schema xmlns="http://www.w3.org/2001/XMLSchema" xmlns:sml="http://www.opengis.net/sensorml/2.0"
targetNamespace="http://www.opengis.net/sensorml/2.0" elementFormDefault="qualified"
attributeFormDefault="unqualified" version="2.0.0">
  <import namespace="http://www.opengis.net/swe/2.0" schemaLocation="./sweCommon/2.0/swe.xsd"/>
  <import namespace="http://www.opengis.net/gml/3.2" schemaLocation="./gml/gml.xsd"/>
  <include schemaLocation="physical_component.xsd"/>
  <include schemaLocation="aggregate_process.xsd"/>
  <include schemaLocation="core.xsd"/>
  <element name="SimpleProcess" substitutionGroup="sml:AbstractProcess"
type="sml:SimpleProcessType"/>
  <complexType name="SimpleProcessType">
    <complexContent>

```

```

        <extension base="sml:AbstractProcessType">
            <sequence>
                <element maxOccurs="1" minOccurs="0" name="method"
type="sml:ProcessMethodPropertyType"/>
            </sequence>
        </extension>
    </complexContent>
</complexType>
<complexType name="SimpleProcessPropertyType">
    <sequence minOccurs="0">
        <element ref="sml:SimpleProcess"/>
    </sequence>
    <attributeGroup ref="gml:AssociationAttributeGroup"/>
    <attributeGroup ref="gml:OwnershipAttributeGroup"/>
</complexType>
<element name="ProcessMethod" substitutionGroup="swe:AbstractSWEIdentifiable"
type="sml:ProcessMethodType"/>
<complexType name="ProcessMethodType">
    <complexContent>
        <extension base="swe:AbstractSWEIdentifiableType">
            <sequence>
                <element maxOccurs="unbounded" minOccurs="0" name="algorithm">
                    <complexType>
                        <sequence>
                            <element ref="sml:AbstractAlgorithm"/>
                        </sequence>
                    </complexType>
                </element>
            </sequence>
        </extension>
    </complexContent>
</complexType>
<complexType name="ProcessMethodPropertyType">
    <sequence minOccurs="0">
        <element ref="sml:ProcessMethod"/>
    </sequence>
    <attributeGroup ref="swe:AssociationAttributeGroup"/>
</complexType>
<element abstract="true" name="AbstractAlgorithm" substitutionGroup="gml:AbstractObject"
type="sml:AbstractAlgorithmType"/>
<complexType abstract="true" name="AbstractAlgorithmType">
    <sequence/>
    <attribute ref="gml:id" use="optional"/>
</complexType>
<complexType name="AbstractAlgorithmPropertyType">
    <sequence minOccurs="0">
        <element ref="sml:AbstractAlgorithm"/>
    </sequence>
    <attributeGroup ref="swe:AssociationAttributeGroup"/>
</complexType>

```

```
<element name="Mode" substitutionGroup="sml:DescribedObject" type="sml:ModeType"/>
<complexType name="ModeType">
  <complexContent>
    <extension base="sml:DescribedObjectType">
      <sequence>
        <element name="configuration" type="sml:SettingsPropertyType"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="ModePropertyType">
  <sequence minOccurs="0">
    <element ref="sml:Mode"/>
  </sequence>
  <attributeGroup ref="swe:AssociationAttributeGroup"/>
<element name="ModeChoice" substitutionGroup="sml:AbstractModes" type="sml:ModeChoiceType"/>
<complexType name="ModeChoiceType">
  <complexContent>
    <extension base="sml:AbstractModesType">
      <sequence>
        <element maxOccurs="unbounded" minOccurs="1" name="mode"
type="sml:ModePropertyType"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="ModeChoicePropertyType">
  <sequence minOccurs="0">
    <element ref="sml:ModeChoice"/>
  </sequence>
  <attributeGroup ref="swe:AssociationAttributeGroup"/>
</complexType>
<element name="Settings" substitutionGroup="sml:AbstractSettings" type="sml:SettingsType"/>
<complexType name="SettingsType">
  <complexContent>
    <extension base="sml:AbstractSettingsType">
      <sequence>
        <element maxOccurs="unbounded" minOccurs="0" name="setValue"
type="sml:ValueSettingPropertyType"/>
        <element maxOccurs="unbounded" minOccurs="0" name="setArrayValues"
type="sml:ArraySettingPropertyType"/>
        <element maxOccurs="unbounded" minOccurs="0" name="setConstraint"
type="sml:ConstraintSettingPropertyType"/>
        <element maxOccurs="unbounded" minOccurs="0" name="setMode"
type="sml:ModeSettingPropertyType"/>
        <element maxOccurs="unbounded" minOccurs="0" name="setStatus"
type="sml:StatusSettingPropertyType"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
```

```
<complexType name="SettingsPropertyType">
  <sequence minOccurs="0">
    <element ref="sml:Settings"/>
  </sequence>
  <attributeGroup ref="swe:AssociationAttributeGroup"/>
</complexType>
<complexType name="ArraySettingPropertyType">
  <sequence>
    <element name="ArrayValues">
      <complexType>
        <sequence>
          <element name="encoding">
            <complexType>
              <sequence>
                <element ref="swe:AbstractEncoding"/>
              </sequence>
            </complexType>
          </element>
          <element name="value" type="swe:EncodedValuesPropertyType"/>
        </sequence>
      </complexType>
    </element>
  </sequence>
  <attribute name="ref" type="sml:DataComponentPathPropertyType" use="required"/>
</complexType>
<complexType name="ModeSettingPropertyType">
  <simpleContent>
    <extension base="NCName">
      <attribute name="ref" type="sml:DataComponentPathPropertyType" use="required"/>
    </extension>
  </simpleContent>
</complexType>
<complexType name="ValueSettingPropertyType">
  <simpleContent>
    <extension base="token">
      <attribute name="ref" type="sml:DataComponentPathPropertyType" use="required"/>
    </extension>
  </simpleContent>
</complexType>
<complexType name="ConstraintSettingPropertyType">
  <sequence>
    <group ref="sml:Constraint"/>
  </sequence>
  <attribute name="ref" type="sml:DataComponentPathPropertyType" use="required"/>
</complexType>
<complexType name="StatusSettingPropertyType">
  <simpleContent>
    <extension base="sml:StatusType">
      <attribute name="ref" type="sml:DataComponentPathPropertyType" use="required"/>
    </extension>
  </simpleContent>
</complexType>
```



```

        </simpleContent>
    </complexType>
    <group name="Constraint">
        <choice>
            <element ref="swe:AllowedTimes"/>
            <element ref="swe:AllowedTokens"/>
            <element ref="swe:AllowedValues"/>
        </choice>
    </group>
    <complexType name="ConstraintPropertyType">
        <sequence minOccurs="0">
            <group ref="sml:Constraint"/>
        </sequence>
        <attributeGroup ref="swe:AssociationAttributeGroup"/>
    </complexType>
    <simpleType name="StatusType">
        <restriction base="string">
            <enumeration value="enabled"/>
            <enumeration value="disabled"/>
        </restriction>
    </simpleType>
    <element name="PhysicalSystem" substitutionGroup="sml:AbstractPhysicalProcess"
type="sml:PhysicalSystemType"/>
    <complexType name="PhysicalSystemType">
        <complexContent>
            <extension base="sml:AbstractPhysicalProcessType">
                <sequence>
                    <element maxOccurs="1" minOccurs="0" name="components"
type="sml:ComponentListPropertyType"/>
                    <element maxOccurs="1" minOccurs="0" name="connections"
type="sml:ConnectionListPropertyType"/>
                </sequence>
            </extension>
        </complexContent>
    </complexType>
    <complexType name="PhysicalSystemPropertyType">
        <sequence minOccurs="0">
            <element ref="sml:PhysicalSystem"/>
        </sequence>
        <attributeGroup ref="gml:AssociationAttributeGroup"/>
        <attributeGroup ref="gml:OwnershipAttributeGroup"/>
    </complexType>
    <element name="PhysicalComponent" substitutionGroup="sml:AbstractPhysicalProcess"
type="sml:PhysicalComponentType"/>
    </element>
    <complexType name="PhysicalComponentType">
        <complexContent>
            <extension base="sml:AbstractPhysicalProcessType">
                <sequence>
                    <element maxOccurs="1" minOccurs="0" name="method"
type="sml:ProcessMethodPropertyType"/>

```

```

        </sequence>
    </extension>
</complexContent>
</complexType>
<complexType name="PhysicalComponentPropertyType">
    <sequence minOccurs="0">
        <element ref="sml:PhysicalComponent"/>
    </sequence>
    <attributeGroup ref="gml:AssociationAttributeGroup"/>
    <attributeGroup ref="gml:OwnershipAttributeGroup"/>
</complexType>
<element abstract="true" name="AbstractPhysicalProcess"
substitutionGroup="sml:AbstractProcess" type="sml:AbstractPhysicalProcessType"/>
<complexType abstract="true" name="AbstractPhysicalProcessType">
    <complexContent>
        <extension base="sml:AbstractProcessType">
            <sequence>
                <element maxOccurs="1" minOccurs="0" name="attachedTo"
type="gml:ReferenceType">
                    <annotation>
                        <appinfo>
<gml:targetElement>sml:AbstractPhysicalProcess</gml:targetElement>
                        </appinfo>
                    </annotation>
                </element>
                <element maxOccurs="unbounded" minOccurs="0" name="localReferenceFrame">
                    <complexType>
                        <sequence>
                            <element ref="sml:SpatialFrame"/>
                        </sequence>
                    </complexType>
                </element>
                <element maxOccurs="unbounded" minOccurs="0" name="localTimeFrame">
                    <complexType>
                        <sequence>
                            <element ref="sml:TemporalFrame"/>
                        </sequence>
                    </complexType>
                </element>
                <element maxOccurs="unbounded" minOccurs="0" name="position"
type="sml:PositionUnionPropertyType"/>
                <element maxOccurs="unbounded" minOccurs="0" name="timePosition"
type="swe:TimePropertyType"/>
            </sequence>
        </extension>
    </complexContent>
</complexType>
<complexType name="AbstractPhysicalProcessPropertyType">
    <sequence minOccurs="0">
        <element ref="sml:AbstractPhysicalProcess"/>

```

```

    </sequence>
    <attributeGroup ref="gml:AssociationAttributeGroup"/>
    <attributeGroup ref="gml:OwnershipAttributeGroup"/>
  </complexType>
  <element name="TemporalFrame" substitutionGroup="swe:AbstractSWEIdentifiable"
type="sml:TemporalFrameType"/>
  <complexType name="TemporalFrameType">
    <complexContent>
      <extension base="swe:AbstractSWEIdentifiableType">
        <sequence>
          <element name="origin" type="string"/>
        </sequence>
      </extension>
    </complexContent>
  </complexType>
  <complexType name="TemporalFramePropertyType">
    <sequence minOccurs="0">
      <element ref="sml:TemporalFrame"/>
    </sequence>
    <attributeGroup ref="swe:AssociationAttributeGroup"/>
  </complexType>
  <element name="SpatialFrame" substitutionGroup="swe:AbstractSWEIdentifiable"
type="sml:SpatialFrameType"/>
  <complexType name="SpatialFrameType">
    <complexContent>
      <extension base="swe:AbstractSWEIdentifiableType">
        <sequence>
          <element name="origin" type="string"/>
          <element maxOccurs="unbounded" minOccurs="1" name="axis">
            <complexType>
              <simpleContent>
                <extension base="string">
                  <attribute name="name" type="NCName" use="required"/>
                </extension>
              </simpleContent>
            </complexType>
          </element>
        </sequence>
      </extension>
    </complexContent>
  </complexType>
  <complexType name="SpatialFramePropertyType">
    <sequence minOccurs="0">
      <element ref="sml:SpatialFrame"/>
    </sequence>
    <attributeGroup ref="swe:AssociationAttributeGroup"/>
  </complexType>
  <group name="PositionUnion">
    <choice>
      <element ref="swe:Text"/>
    </choice>
  </group>

```

```

        <element ref="gml:Point"/>
        <element ref="swe:Vector"/>
        <element ref="swe:DataRecord"/>
        <element ref="swe:DataArray"/>
        <element ref="sml:AbstractProcess"/>
    </choice>
</group>
<complexType name="PositionUnionPropertyType">
    <sequence minOccurs="0">
        <group ref="sml:PositionUnion"/>
    </sequence>
    <attributeGroup ref="swe:AssociationAttributeGroup"/>
</complexType>
<element name="AggregateProcess" substitutionGroup="sml:AbstractProcess"
type="sml:AggregateProcessType"/>
<complexType name="AggregateProcessType">
    <complexContent>
        <extension base="sml:AbstractProcessType">
            <sequence>
                <element maxOccurs="1" minOccurs="0" name="components"
type="sml:ComponentListPropertyType"/>
                <element maxOccurs="1" minOccurs="0" name="connections"
type="sml:ConnectionListPropertyType"/>
            </sequence>
        </extension>
    </complexContent>
</complexType>
<complexType name="AggregateProcessPropertyType">
    <sequence minOccurs="0">
        <element ref="sml:AggregateProcess"/>
    </sequence>
    <attributeGroup ref="gml:AssociationAttributeGroup"/>
    <attributeGroup ref="gml:OwnershipAttributeGroup"/>
</complexType>
<element name="ConnectionList" substitutionGroup="swe:AbstractSWE"
type="sml:ConnectionListType"/>
<complexType name="ConnectionListType">
    <complexContent>
        <extension base="swe:AbstractSWEType">
            <sequence>
                <element maxOccurs="unbounded" minOccurs="1" name="connection">
                    <complexType>
                        <sequence>
                            <element ref="sml:Link"/>
                        </sequence>
                    </complexType>
                </element>
            </sequence>
        </extension>
    </complexContent>

```

```

</complexType>
<complexType name="ConnectionListPropertyType">
  <sequence minOccurs="0">
    <element ref="sml:ConnectionList"/>
  </sequence>
  <attributeGroup ref="swe:AssociationAttributeGroup"/>
</complexType>
<element name="ComponentList" substitutionGroup="swe:AbstractSWE"
type="sml:ComponentListType"/>
<complexType name="ComponentListType">
  <complexContent>
    <extension base="swe:AbstractSWEType">
      <sequence>
        <element maxOccurs="unbounded" minOccurs="1" name="component">
          <complexType>
            <complexContent>
              <extension base="sml:AbstractProcessPropertyType">
                <attribute name="name" type="NCName" use="required"/>
              </extension>
            </complexContent>
          </complexType>
        </element>
      </sequence>
    </extension>
  </complexContent>
</complexType>
<complexType name="ComponentListPropertyType">
  <sequence minOccurs="0">
    <element ref="sml:ComponentList"/>
  </sequence>
  <attributeGroup ref="swe:AssociationAttributeGroup"/>
</complexType>
<element name="Link" substitutionGroup="gml:AbstractObject" type="sml:LinkType"/>
<complexType name="LinkType">
  <sequence>
    <element name="source" type="sml:DataComponentRefPropertyType"/>
    <element name="destination" type="sml:DataComponentRefPropertyType"/>
  </sequence>
  <attribute ref="gml:id" use="optional"/>
</complexType>
<complexType name="LinkPropertyType">
  <sequence minOccurs="0">
    <element ref="sml:Link"/>
  </sequence>
  <attributeGroup ref="swe:AssociationAttributeGroup"/>
</complexType>
</schema>

```

4.4.1.3.2. Protocol Requirements

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<wsdl:definitions targetNamespace="http://www.opengis.net/swes/2.0/wsdl"
  xmlns:wsam="http://www.w3.org/2007/05/addressing/metadata"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:swes="http://www.opengis.net/swes/2.0"
  xmlns:swesw="http://www.opengis.net/swes/2.0/wsdl"
  xmlns:ows="http://www.opengis.net/ows/1.1">
  <wsdl:types>
    <xsd:schema targetNamespace="http://www.opengis.net/swes/2.0">
      <xsd:include schemaLocation="http://schemas.opengis.net/swes/2.0/swes.xsd"/>
    </xsd:schema>
  </wsdl:types>
  <wsdl:message name="DeleteSensorRequestMessage">
    <wsdl:part name="body" element="swes:DeleteSensor"/>
  </wsdl:message>
  <wsdl:message name="DeleteSensorResponseMessage">
    <wsdl:part name="body" element="swes:DeleteSensorResponse"/>
  </wsdl:message>
  <wsdl:message name="DescribeSensorRequestMessage">
    <wsdl:part name="body" element="swes:DescribeSensor"/>
  </wsdl:message>
  <wsdl:message name="DescribeSensorResponseMessage">
    <wsdl:part name="body" element="swes:DescribeSensorResponse"/>
  </wsdl:message>
  <wsdl:message name="InsertSensorRequestMessage">
    <wsdl:part name="body" element="swes:InsertSensor"/>
  </wsdl:message>
  <wsdl:message name="InsertSensorResponseMessage">
    <wsdl:part name="body" element="swes:InsertSensorResponse"/>
  </wsdl:message>
  <wsdl:message name="UpdateSensorDescriptionRequestMessage">
    <wsdl:part name="body" element="swes:UpdateSensorDescription"/>
  </wsdl:message>
  <wsdl:message name="UpdateSensorDescriptionResponseMessage">
    <wsdl:part name="body" element="swes:UpdateSensorDescriptionResponse"/>
  </wsdl:message>
  <wsdl:message name="ExceptionMessage">
    <wsdl:part name="fault" element="ows:Exception"/>
  </wsdl:message>
  <wsdl:portType name="SensorProviderInterface">
    <wsdl:operation name="DescribeSensor">
      <wsdl:input wsam:Action="http://www.opengis.net/swes/2.0/DescribeSensor"
        message="swesw:DescribeSensorRequestMessage"/>
    </wsdl:operation>
  </wsdl:portType>
</wsdl:definitions>
```

```
<wsdl:output wsam:Action="http://www.opengis.net/swes/2.0/DescribeSensorResponse"
message="swesw:DescribeSensorResponseMessage"/>
<wsdl:fault name="OperationNotSupportedException"
wsam:Action="http://www.opengis.net/ows/1.1/Exception" message="swesw:ExceptionMessage"/>
<wsdl:fault name="MissingParameterValueException"
wsam:Action="http://www.opengis.net/ows/1.1/Exception" message="swesw:ExceptionMessage"/>
<wsdl:fault name="InvalidParameterValueException"
wsam:Action="http://www.opengis.net/ows/1.1/Exception" message="swesw:ExceptionMessage"/>
<wsdl:fault name="OptionNotSupportedException"
wsam:Action="http://www.opengis.net/ows/1.1/Exception" message="swesw:ExceptionMessage"/>
<wsdl:fault name="NoApplicableCodeException"
wsam:Action="http://www.opengis.net/ows/1.1/Exception" message="swesw:ExceptionMessage"/>
<wsdl:fault name="InvalidRequestException"
wsam:Action="http://www.opengis.net/swes/2.0/Exception" message="swesw:ExceptionMessage"/>
<wsdl:fault name="RequestExtensionNotSupportedException"
wsam:Action="http://www.opengis.net/swes/2.0/Exception" message="swesw:ExceptionMessage"/>
</wsdl:operation>
</wsdl:portType>
<wsdl:portType name="SensorDescriptionManagerInterface">
<wsdl:operation name="UpdateSensorDescription">
<wsdl:input wsam:Action="http://www.opengis.net/swes/2.0/UpdateSensorDescription"
message="swesw:UpdateSensorDescriptionRequestMessage"/>
<wsdl:output wsam:Action="http://www.opengis.net/swes/2.0/UpdateSensorDescriptionResponse"
message="swesw:UpdateSensorDescriptionResponseMessage"/>
<wsdl:fault name="OperationNotSupportedException"
wsam:Action="http://www.opengis.net/ows/1.1/Exception" message="swesw:ExceptionMessage"/>
<wsdl:fault name="MissingParameterValueException"
wsam:Action="http://www.opengis.net/ows/1.1/Exception" message="swesw:ExceptionMessage"/>
<wsdl:fault name="InvalidParameterValueException"
wsam:Action="http://www.opengis.net/ows/1.1/Exception" message="swesw:ExceptionMessage"/>
<wsdl:fault name="OptionNotSupportedException"
wsam:Action="http://www.opengis.net/ows/1.1/Exception" message="swesw:ExceptionMessage"/>
<wsdl:fault name="NoApplicableCodeException"
wsam:Action="http://www.opengis.net/ows/1.1/Exception" message="swesw:ExceptionMessage"/>
<wsdl:fault name="InvalidRequestException"
wsam:Action="http://www.opengis.net/swes/2.0/Exception" message="swesw:ExceptionMessage"/>
<wsdl:fault name="RequestExtensionNotSupportedException"
wsam:Action="http://www.opengis.net/swes/2.0/Exception" message="swesw:ExceptionMessage"/>
</wsdl:operation>
</wsdl:portType>
<wsdl:portType name="SensorInsertionInterface">
<wsdl:operation name="InsertSensor">
<wsdl:input wsam:Action="http://www.opengis.net/swes/2.0/InsertSensor"
message="swesw:InsertSensorRequestMessage"/>
<wsdl:output wsam:Action="http://www.opengis.net/swes/2.0/InsertSensorResponse"
message="swesw:InsertSensorResponseMessage"/>
<wsdl:fault name="OperationNotSupportedException"
wsam:Action="http://www.opengis.net/ows/1.1/Exception" message="swesw:ExceptionMessage"/>
<wsdl:fault name="MissingParameterValueException"
wsam:Action="http://www.opengis.net/ows/1.1/Exception" message="swesw:ExceptionMessage"/>
<wsdl:fault name="InvalidParameterValueException"
wsam:Action="http://www.opengis.net/ows/1.1/Exception" message="swesw:ExceptionMessage"/>
```

```
<wsdl:fault name="OptionNotSupportedException"
wsam:Action="http://www.opengis.net/ows/1.1/Exception" message="swesw:ExceptionMessage"/>
<wsdl:fault name="NoApplicableCodeException"
wsam:Action="http://www.opengis.net/ows/1.1/Exception" message="swesw:ExceptionMessage"/>
<wsdl:fault name="InvalidRequestException"
wsam:Action="http://www.opengis.net/swes/2.0/Exception" message="swesw:ExceptionMessage"/>
<wsdl:fault name="RequestExtensionNotSupportedException"
wsam:Action="http://www.opengis.net/swes/2.0/Exception" message="swesw:ExceptionMessage"/>
</wsdl:operation>
</wsdl:portType>
<wsdl:portType name="SensorDeletionInterface">
  <wsdl:operation name="DeleteSensor">
    <wsdl:input wsam:Action="http://www.opengis.net/swes/2.0/DeleteSensor"
message="swesw:DeleteSensorRequestMessage"/>
    <wsdl:output wsam:Action="http://www.opengis.net/swes/2.0/DeleteSensorResponse"
message="swesw:DeleteSensorResponseMessage"/>
    <wsdl:fault name="OperationNotSupportedException"
wsam:Action="http://www.opengis.net/ows/1.1/Exception" message="swesw:ExceptionMessage"/>
    <wsdl:fault name="MissingParameterValueException"
wsam:Action="http://www.opengis.net/ows/1.1/Exception" message="swesw:ExceptionMessage"/>
    <wsdl:fault name="InvalidParameterValueException"
wsam:Action="http://www.opengis.net/ows/1.1/Exception" message="swesw:ExceptionMessage"/>
    <wsdl:fault name="OptionNotSupportedException"
wsam:Action="http://www.opengis.net/ows/1.1/Exception" message="swesw:ExceptionMessage"/>
    <wsdl:fault name="NoApplicableCodeException"
wsam:Action="http://www.opengis.net/ows/1.1/Exception" message="swesw:ExceptionMessage"/>
    <wsdl:fault name="InvalidRequestException"
wsam:Action="http://www.opengis.net/swes/2.0/Exception" message="swesw:ExceptionMessage"/>
    <wsdl:fault name="RequestExtensionNotSupportedException"
wsam:Action="http://www.opengis.net/swes/2.0/Exception" message="swesw:ExceptionMessage"/>
  </wsdl:operation>
</wsdl:portType>
</wsdl:definitions>
```