



Permission

Table of Contents

Table of Contents	1
1. INTRODUCTION	2
2. OBJECTIVES	2
3. SCOPE	2
4. PROFILE DETAILED DESCRIPTION	3
4.2. Roles Involved	3
4.3. Actor Diagram	3
4.4. Transaction Information	3
4.4.1. Request Permission	3
4.4.1.1. Description	3
4.4.1.2. Interaction Diagram	4
4.4.1.3. Request Permission Message	4
4.4.1.3.1. Message Semantics	4
4.4.1.3.2. Protocol Requirements	7
4.4.1.4. Respond to Permission Request Message	8
4.4.1.4.1. Message Semantics	8
4.4.1.4.2. Protocol Requirements	10

1. INTRODUCTION

Permission profile describes how an organization (requester) can ask for permission to perform some specific action from an organization (responder) who is authorized to respond to permission request. Responder can either give permission or decline it.

2. OBJECTIVES

The objectives of implementing this profile are:

1. Providing a mechanism to manage the operations that requires permission from authorized entities.
2. Ensuring an operation to be performed does not violate the rules defined in organizational structure.

3. SCOPE

This profile supports a process of requesting permission to perform a specific action according to organization structure of country/region/city. The intended scope for this profile includes:

- Before, during and after emergency situations (where emergency systems are in use)
- Among warning systems, emergency information systems, sensor systems, dissemination systems and internal systems.

The transactions specified in this profile are intended to be exchanged between emergency organizations' systems. It is expected that emergency systems have had necessary infrastructure, which is specified in the profile, to send and receive the messages in a secured way, using an agreed syntax.

4. PROFILE DETAILED DESCRIPTION

4.2. Roles Involved

Actor	Description
Permission Requester	Permission Requester is the legal person or organization who asks for permission to perform a specific action.
Permission Responder	Permission Responder is the legal person or organization who gives or does not give permission for requester organization to perform a specific action.

4.3. Actor Diagram



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

4.4. Transaction Information

4.4.1. Request Permission

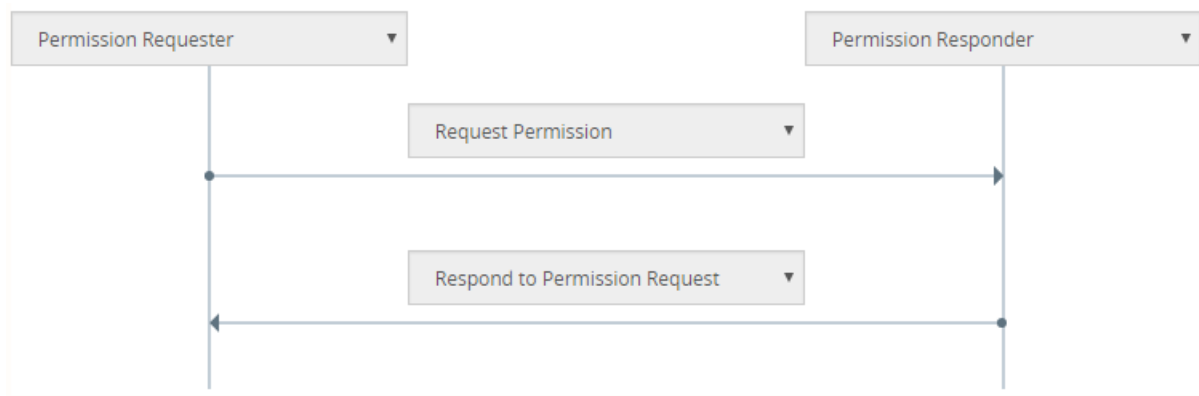
4.4.1.1. Description

Categories	Description and Values
Identifier	1461509308748
Description	This transaction is used by an organization to request a permission to perform some specific



	action from an organization who is authorized to give permission or decline.
Actors	Permission Requester, Permission Responder
Pre-conditions	The Permission Requester and Permission Responder have already identified each other.
Post-conditions	Permission Responder either gives permission or declines.

4.4.1.2. Interaction Diagram



4.4.1.3. Request Permission Message

4.4.1.3.1. Message Semantics

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified">
  <xs:element name="Permission">
    <complexType>
      <sequence>
        <xs:element name="PartyName" minOccurs="1" maxOccurs="1">
          <complexType>
            <complexContent>
              <xs:extension base="PartyNameType"/>
            </complexContent>
          </complexType>
        </xs:element>
      </sequence>
    </complexType>
  </xs:element>
</xs:schema>
```

```

    <xs:element name="OperationName" minOccurs="1" maxOccurs="1">
      <xs:complexType>
        <xs:complexContent>
          <xs:extension base="operationNameType"/>
        </xs:complexContent>
      </xs:complexType>
    </xs:element>
  </sequence>
</complexType>
</xs:element>
<xs:complexType name="PartyNameType">
  <xs:sequence>
    <xs:element name="PersonName" minOccurs="0" maxOccurs="unbounded">
      <xs:complexType>
        <xs:complexContent>
          <xs:extension base="PersonNameType"/>
        </xs:complexContent>
      </xs:complexType>
    </xs:element>
    <xs:element name="OrganisationName" minOccurs="0" maxOccurs="unbounded">
      <xs:complexType>
        <xs:complexContent>
          <xs:extension base="OrganisationNameType"/>
        </xs:complexContent>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
  <xs:attribute name="PartyNameID" type="ct:String"/>
  <xs:attribute name="PartyNameIDType" type="PartyNameIDTypeList"/>
</xs:complexType>
<xs:complexType name="OperationNameType">
  <xs:sequence>
    <xs:element name="OperationName" minOccurs="1" maxOccurs="1">
      <xs:complexType>
        <xs:complexContent>
          <xs:extension base="xs:string"/>
        </xs:complexContent>
      </xs:complexType>
    </xs:element>
    <xs:element name="OperationType" minOccurs="0" maxOccurs="1">
      <xs:complexType>
        <xs:complexContent>
          <xs:extension base="xs:string"/>
        </xs:complexContent>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="PersonNameType">
  <xs:sequence>

```

```

    <xs:element name="NameElement" minOccurs="0" maxOccurs="unbounded">
      <xs:complexType>
        <xs:simpleContent>
          <xs:extension base="ct:String">
            <xs:attribute name="ElementType" type="PersonNameElementList"/>
          </xs:extension>
        </xs:simpleContent>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
<xs:complexType name="OrganisationNameType">
  <xs:sequence>
    <xs:element name="NameElement" minOccurs="0" maxOccurs="unbounded">
      <xs:complexType>
        <xs:simpleContent>
          <xs:extension base="ct:String"/>
        </xs:simpleContent>
      </xs:complexType>
    </xs:element>
    <xs:element name="SubDivisionName" minOccurs="0" maxOccurs="unbounded">
      <xs:complexType>
        <xs:simpleContent>
          <xs:extension base="ct:String"/>
        </xs:simpleContent>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
  <xs:attribute name="OrganisationID" type="ct:String"/>
  <xs:attribute name="OrganisationIDType" type="OrganisationIDTypeList"/>
</xs:complexType>
<xs:simpleType name="PersonNameElementList">
  <xs:restriction base="xs:normalizedString">
    <xs:enumeration value="PrecedingTitle"/>
    <xs:enumeration value="Title"/>
    <xs:enumeration value="FirstName"/>
    <xs:enumeration value="MiddleName"/>
    <xs:enumeration value="LastName"/>
    <xs:enumeration value="OtherName"/>
    <xs:enumeration value="Alias"/>
    <xs:enumeration value="GenerationIdentifier"/>
    <xs:enumeration value="Degree"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="OrganisationIDTypeList">
  <xs:restriction base="xs:normalizedString"/>
</xs:simpleType>
</xs:schema>

```

4.4.1.3.2. Protocol Requirements

```
<?xml version="1.0" encoding="utf-8"?>
<definitions xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:edxld="urn:oasis:names:tc:emergency:EDXL:DE:1.0" xmlns="http://schemas.xmlsoap.org/wsdl/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:tns="urn:eu:c2sense:emergency:distribution:1.0"
xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/" name="EmergencyDistribution"
targetNamespace="urn:eu:c2sense:emergency:distribution:1.0">
  <documentation>C2SENSE Distribution Web Service</documentation>
  <types>
    <xsd:schema>
      <xsd:import namespace="urn:oasis:names:tc:emergency:EDXL:DE:1.0"
schemaLocation="../../DE/EDXL-DE.xsd"/>
    </xsd:schema>
  </types>
  <message name="SendMessage_Message">
    <documentation>Send Message</documentation>
    <part name="body" element="edxld:EDXLDistribution"/>
  </message>
  <message name="ReceiveResponseMessage_Message">
    <documentation>Receive Response Message</documentation>
    <part name="body" element="edxld:EDXLDistribution"/>
  </message>
  <portType name="Distribution_PortType">
    <operation name="SendMessage">
      <input message="tns:SendMessage_Message"/>
      <output message="tns:ReceiveResponseMessage_Message"/>
    </operation>
  </portType>
  <binding name="Distribution_Binding_Soap12" type="tns:Distribution_PortType">
    <soap12:binding style="document" transport="http://schemas.xmlsoap.org/soap/http"/>
    <operation name="SendMessage">
      <soap12:operation soapAction="urn:oasis:names:tc:emergency:EDXL:DE:1.0:SendMessage"/>
      <input>
        <soap12:body use="literal"/>
      </input>
      <output>
        <soap12:body use="literal"/>
      </output>
    </operation>
  </binding>
  <service name="Distribution">
    <port name="Distribution_PortType" binding="tns:Distribution_Binding_Soap12">
      <soap12:address location="https://localhost:8080/Distribution"/>
    </port>
  </service>
</definitions>
```



```

    </port>
  </service>
</definitions>

```

4.4.1.4. Respond to Permission Request Message

4.4.1.4.1. Message Semantics

```

<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified">
  <xs:element name="Permission">
    <complexType>
      <sequence>
        <xs:element name="PartyName" minOccurs="1" maxOccurs="1">
          <xs:complexType>
            <xs:complexContent>
              <xs:extension base="PartyNameType"/>
            </xs:complexContent>
          </xs:complexType>
        </xs:element>
        <xs:element name="OperationName" minOccurs="1" maxOccurs="1">
          <xs:complexType>
            <xs:complexContent>
              <xs:extension base="operationNameType"/>
            </xs:complexContent>
          </xs:complexType>
        </xs:element>
      </sequence>
    </complexType>
  </xs:element>
  <xs:complexType name="PartyNameType">
    <xs:sequence>
      <xs:element name="PersonName" minOccurs="0" maxOccurs="unbounded">
        <xs:complexType>
          <xs:complexContent>
            <xs:extension base="PersonNameType"/>
          </xs:complexContent>
        </xs:complexType>
      </xs:element>
      <xs:element name="OrganisationName" minOccurs="0" maxOccurs="unbounded">
        <xs:complexType>
          <xs:complexContent>
            <xs:extension base="OrganisationNameType"/>
          </xs:complexContent>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>

```

```

        </xs:element>
    </xs:sequence>
    <xs:attribute name="PartyNameID" type="ct:String"/>
    <xs:attribute name="PartyNameIDType" type="PartyNameIDTypeList"/>
</xs:complexType>
<xs:complexType name="OperationNameType">
    <xs:sequence>
        <xs:element name="OperationName" minOccurs="1" maxOccurs="1">
            <xs:complexType>
                <xs:complexContent>
                    <xs:extension base="xs:string"/>
                </xs:complexContent>
            </xs:complexType>
        </xs:element>
        <xs:element name="OperationType" minOccurs="0" maxOccurs="1">
            <xs:complexType>
                <xs:complexContent>
                    <xs:extension base="xs:string"/>
                </xs:complexContent>
            </xs:complexType>
        </xs:element>
    </xs:sequence>
</xs:complexType>
<xs:complexType name="PersonNameType">
    <xs:sequence>
        <xs:element name="NameElement" minOccurs="0" maxOccurs="unbounded">
            <xs:complexType>
                <xs:simpleContent>
                    <xs:extension base="ct:String">
                        <xs:attribute name="ElementType" type="PersonNameElementList"/>
                    </xs:extension>
                </xs:simpleContent>
            </xs:complexType>
        </xs:element>
    </xs:sequence>
</xs:complexType>
<xs:complexType name="OrganisationNameType">
    <xs:sequence>
        <xs:element name="NameElement" minOccurs="0" maxOccurs="unbounded">
            <xs:complexType>
                <xs:simpleContent>
                    <xs:extension base="ct:String"/>
                </xs:simpleContent>
            </xs:complexType>
        </xs:element>
        <xs:element name="SubDivisionName" minOccurs="0" maxOccurs="unbounded">
            <xs:complexType>
                <xs:simpleContent>
                    <xs:extension base="ct:String"/>
                </xs:simpleContent>
            </xs:complexType>
        </xs:element>
    </xs:sequence>
</xs:complexType>

```

```

        </xs:simpleContent>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
  <xs:attribute name="OrganisationID" type="ct:String"/>
  <xs:attribute name="OrganisationIDType" type="OrganisationIDTypeList"/>
</xs:complexType>
<xs:simpleType name="PersonNameElementList">
  <xs:restriction base="xs:normalizedString">
    <xs:enumeration value="PrecedingTitle"/>
    <xs:enumeration value="Title"/>
    <xs:enumeration value="FirstName"/>
    <xs:enumeration value="MiddleName"/>
    <xs:enumeration value="LastName"/>
    <xs:enumeration value="OtherName"/>
    <xs:enumeration value="Alias"/>
    <xs:enumeration value="GenerationIdentifier"/>
    <xs:enumeration value="Degree"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="OrganisationIDTypeList">
  <xs:restriction base="xs:normalizedString"/>
</xs:simpleType>
</xs:schema>

```

4.4.1.4.2. Protocol Requirements

```

<?xml version="1.0" encoding="utf-8"?>
<definitions xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:edxlde="urn:oasis:names:tc:emergency:EDXL:DE:1.0" xmlns="http://schemas.xmlsoap.org/wsdl/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:tns="urn:eu:c2sense:emergency:distribution:1.0"
xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/" name="EmergencyDistribution"
targetNamespace="urn:eu:c2sense:emergency:distribution:1.0">
  <documentation>C2SENSE Distribution Web Service</documentation>
  <types>
    <xsd:schema>
      <xsd:import namespace="urn:oasis:names:tc:emergency:EDXL:DE:1.0"
schemaLocation="../../DE/EDXL-DE.xsd"/>
    </xsd:schema>
  </types>
  <message name="SendMessage_Message">
    <documentation>Send Message</documentation>
    <part name="body" element="edxlde:EDXLDistribution"/>
  </message>
  <message name="ReceiveResponseMessage_Message">

```

```
<documentation>Receive Response Message</documentation>
  <part name="body" element="edxlde:EDXLDistribution"/>
</message>
<portType name="Distribution_PortType">
  <operation name="SendMessage">
    <input message="tns:SendMessage_Message"/>
    <output message="tns:ReceiveResponseMessage_Message"/>
  </operation>
</portType>
<binding name="Distribution_Binding_Soap12" type="tns:Distribution_PortType">
  <soap12:binding style="document" transport="http://schemas.xmlsoap.org/soap/http"/>
  <operation name="SendMessage">
    <soap12:operation soapAction="urn:oasis:names:tc:emergency:EDXL:DE:1.0:SendMessage"/>
    <input>
      <soap12:body use="literal"/>
    </input>
    <output>
      <soap12:body use="literal"/>
    </output>
  </operation>
</binding>
<service name="Distribution">
  <port name="Distribution_PortType" binding="tns:Distribution_Binding_Soap12">
    <soap12:address location="https://localhost:8080/Distribution"/>
  </port>
</service>
</definitions>
```