# *ANNEX 20 APPENDIX 1*
# *XML EDITION OF ERINOT, XSD FILE (SOURCE CODE)*

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- ================================================== -->
<!-- ERI Notification Message (ERINOT) as part of ES-RIS. -->
<!-- ================================================== -->
<xs:schema  xmlns:xs="http://www.w3.org/2001/XMLSchema"
  xmlns="https://ris.cesni.eu/_assets/ERI-ERINOT/1.5"
  targetNamespace="https://ris.cesni.eu/_assets/ERI-ERINOT/1.5"
  elementFormDefault="qualified"
  attributeFormDefault="unqualified"
  version="1.5">
 <xs:element name="ERINOT">
  <xs:annotation>
   <xs:documentation>ERI Notification Message (ERINOT) version 1.5 as part of ES-
RIS 2027/1</xs:documentation>
  </xs:annotation>
  <xs:complexType>
   <xs:sequence>
    <xs:element name="MessageId" type="MessageIdType">
     <xs:annotation>
      <xs:documentation>Message Information</xs:documentation>
     </xs:annotation>
    </xs:element>
    <xs:element name="EDIMapping">
     <xs:complexType>
      <xs:sequence>
       <xs:element name="Syntax" type="xs:string">
        <xs:annotation>
         <xs:documentation>'UNOA' Controlling agency level A</xs:documentation>
        </xs:annotation>
       </xs:element>
       <xs:element name="SyntaxVersion" type="xs:string">
        <xs:annotation>
         <xs:documentation>'2'</xs:documentation>
        </xs:annotation>
       </xs:element>
       <xs:element name="MessageType" type="xs:string">
        <xs:annotation>
         <xs:documentation>'IFTDGN', message type</xs:documentation>
        </xs:annotation>
       </xs:element>
       <xs:element name="MessageVersion" type="xs:string">
        <xs:annotation>
         <xs:documentation>'D', Message version number</xs:documentation>
        </xs:annotation>
       </xs:element>
       <xs:element name="MessageRelease" type="xs:string">
        <xs:annotation>
         <xs:documentation>'98B', Message Release</xs:documentation>
        </xs:annotation>
       </xs:element>
       <xs:element name="MessageControllingAgency" type="xs:string">
        <xs:annotation>
         <xs:documentation>'UN'</xs:documentation>
        </xs:annotation>
       </xs:element>
       <xs:element name="AssociationAssignedCode" type="xs:string">
        <xs:annotation>
         <xs:documentation>'ERI15', ERI Version 1.5</xs:documentation>
        </xs:annotation>
       </xs:element>
      </xs:sequence>
     </xs:complexType>
    </xs:element>
```

```
    <xs:element name="GeneratingSoftware" minOccurs="0">
     <xs:annotation>
      <xs:documentation>To identify the originating software that generated this
message</xs:documentation>
     </xs:annotation>
     <xs:complexType>
      <xs:sequence>
       <xs:element name="SoftwareName" minOccurs="1">
        <xs:annotation>
         <xs:documentation>Name of the software application</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
         <xs:restriction base="xs:string">
          <xs:maxLength value="35"/>
         </xs:restriction>
        </xs:simpleType>
       </xs:element>
       <xs:element name="SoftwareVersion" minOccurs="0">
        <xs:annotation>
         <xs:documentation>Version of the software application</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
         <xs:restriction base="xs:string">
          <xs:maxLength value="17"/>
         </xs:restriction>
        </xs:simpleType>
       </xs:element>
      </xs:sequence>
     </xs:complexType>
    </xs:element>
    <xs:element name="PreGeneratingSoftware" minOccurs="0">
     <xs:annotation>
      <xs:documentation>To identify the originating software that pre-generated
data before passing it to the generating software that eventually generated this
message</xs:documentation>
     </xs:annotation>
     <xs:complexType>
      <xs:sequence>
       <xs:element name="SoftwareName" minOccurs="1">
        <xs:annotation>
         <xs:documentation>Name of the software application</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
         <xs:restriction base="xs:string">
          <xs:maxLength value="17"/>
         </xs:restriction>
        </xs:simpleType>
       </xs:element>
       <xs:element name="SoftwareVersion" minOccurs="0">
        <xs:annotation>
         <xs:documentation>Version of the software application</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
         <xs:restriction base="xs:string">
          <xs:maxLength value="17"/>
         </xs:restriction>
        </xs:simpleType>
       </xs:element>
      </xs:sequence>
     </xs:complexType>
    </xs:element>
<xs:element name="GeneratingSoftware" minOccurs="0">
     <xs:annotation>
      <xs:documentation>To identify the originating software that generated this
message</xs:documentation>
     </xs:annotation>
     <xs:complexType>
```

```
      <xs:sequence>
        <xs:element name="SoftwareName" minOccurs="1">
         <xs:annotation>
          <xs:documentation>Name of the software application</xs:documentation>
         </xs:annotation>
         <xs:simpleType>
          <xs:restriction base="xs:string">
           <xs:maxLength value="35"/>
          </xs:restriction>
         </xs:simpleType>
        </xs:element>
        <xs:element name="SoftwareVersion" minOccurs="0">
         <xs:annotation>
          <xs:documentation>Version of the software application</xs:documentation>
         </xs:annotation>
         <xs:simpleType>
          <xs:restriction base="xs:string">
           <xs:maxLength value="17"/>
          </xs:restriction>
         </xs:simpleType>
        </xs:element>
      </xs:sequence>
     </xs:complexType>
    </xs:element>
    <xs:element name="PreGeneratingSoftware" minOccurs="0">
     <xs:annotation>
      <xs:documentation>To identify the originating software that pre-generated
data before passing it to the generating software that eventually generated this
message</xs:documentation>
     </xs:annotation>
     <xs:complexType>
      <xs:sequence>
        <xs:element name="SoftwareName" minOccurs="1">
         <xs:annotation>
          <xs:documentation>Name of the software application</xs:documentation>
         </xs:annotation>
         <xs:simpleType>
          <xs:restriction base="xs:string">
           <xs:maxLength value="17"/>
          </xs:restriction>
         </xs:simpleType>
        </xs:element>
        <xs:element name="SoftwareVersion" minOccurs="0">
         <xs:annotation>
          <xs:documentation>Version of the software application</xs:documentation>
         </xs:annotation>
         <xs:simpleType>
          <xs:restriction base="xs:string">
           <xs:maxLength value="17"/>
          </xs:restriction>
         </xs:simpleType>
        </xs:element>
      </xs:sequence>
```

```
      </xs:complexType>
     </xs:element>
     <xs:element name="SafetyExplanation">
      <xs:annotation>
       <xs:documentation>To notify the number of persons on board and the number of
blue cones for safety reasons</xs:documentation>
      </xs:annotation>
      <xs:complexType>
       <xs:sequence>
        <xs:element name="Signalling" minOccurs="0">
         <xs:annotation>
          <xs:documentation>Number of blue cones</xs:documentation>
         </xs:annotation>
         <xs:simpleType>
          <xs:restriction base="xs:string">
           <xs:length value="1"/>
           <xs:enumeration value="0"/>
           <xs:enumeration value="1"/>
           <xs:enumeration value="2"/>
           <xs:enumeration value="3"/>
           <xs:enumeration value="B"/>
           <xs:enumeration value="V"/>
          </xs:restriction>
         </xs:simpleType>
        </xs:element>
        <xs:element name="PersonsOnBoard">
         <xs:annotation>
          <xs:documentation>Total number of persons on board. Crew and
Passengers.</xs:documentation>
         </xs:annotation>
         <xs:simpleType>
          <xs:restriction base="xs:integer">
           <xs:minInclusive value="0000"/>
           <xs:maxInclusive value="9999"/>
          </xs:restriction>
         </xs:simpleType>
        </xs:element>
        <xs:element name="PassengersOnBoard" minOccurs="0">
         <xs:annotation>
          <xs:documentation>Pax (incl Stowaways) on Board</xs:documentation>
         </xs:annotation>
         <xs:simpleType>
          <xs:restriction base="xs:integer">
           <xs:minInclusive value="0000"/>
           <xs:maxInclusive value="9999"/>
          </xs:restriction>
         </xs:simpleType>
        </xs:element>
        <xs:element name="EmergencyPhoneNumber" minOccurs="0">
         <xs:annotation>
          <xs:documentation>Direct phone number for the vessel, to contact the
captain/owner in case of an emergency, even if there is no one on
board.</xs:documentation>
         </xs:annotation>
         <xs:simpleType>
          <xs:restriction base="xs:string">
           <xs:maxLength value="17"/>
          </xs:restriction>
         </xs:simpleType>
        </xs:element>
       </xs:sequence>
      </xs:complexType>
     </xs:element>
     <xs:element name="PrivacyStatement" type="xs:boolean" minOccurs="0">
      <xs:annotation>
       <xs:documentation>Indicate if this message may be forwarded to other
authorities</xs:documentation>
      </xs:annotation>
```

```
    </xs:element>
    <xs:element name="MessageRef" minOccurs="0">
     <xs:annotation>
      <xs:documentation>Reference number to previous message</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="35"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="TransportDocRef" minOccurs="0">
     <xs:annotation>
      <xs:documentation>Reference number of the transport
document</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="35"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="TestScenarioRef" minOccurs="0">
     <xs:annotation>
      <xs:documentation>Reference to a test scenario</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="35"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="CancellationInfo" minOccurs="0">
     <xs:complexType>
      <xs:sequence>
       <xs:element name="CancelReason">
        <xs:annotation>
         <xs:documentation>'CAM': mistake in notification, 'CAO': transport does
not take place, 'CAV': the main transport destination has changed, 'CHD': the time
of arrival has changed</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
         <xs:restriction base="xs:string">
          <xs:enumeration value="CAM"/>
          <xs:enumeration value="CAO"/>
          <xs:enumeration value="CAV"/>
          <xs:enumeration value="CHD"/>
         </xs:restriction>
        </xs:simpleType>
       </xs:element>
       <xs:element name="CancelText" maxOccurs="5">
        <xs:simpleType>
         <xs:restriction base="xs:string">
          <xs:maxLength value="70"/>
         </xs:restriction>
        </xs:simpleType>
       </xs:element>
      </xs:sequence>
     </xs:complexType>
    </xs:element>
    <xs:element name="Transport">
     <xs:annotation>
      <xs:documentation>DETAILS OF TRANSPORT</xs:documentation>
     </xs:annotation>
     <xs:complexType>
      <xs:sequence>
       <xs:element name="TransportDetails">
        <xs:complexType>
```

```
          <xs:sequence>
           <xs:element name="VoyageNo" minOccurs="0">
            <xs:annotation>
             <xs:documentation>Voyage number, defined by sender of the
message</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
             <xs:restriction base="xs:string">
              <xs:maxLength value="17"/>
             </xs:restriction>
            </xs:simpleType>
           </xs:element>
           <xs:element name="TransportMode">
            <xs:annotation>
             <xs:documentation>'8' for Inland water transport, '1' for maritime
transport</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
             <xs:restriction base="xs:string">
              <xs:enumeration value="1"/>
              <xs:enumeration value="8"/>
             </xs:restriction>
            </xs:simpleType>
           </xs:element>
           <xs:element name="TransportMeans">
            <xs:annotation>
             <xs:documentation>Code for ship and convoy types of means of transport
from UN/CEFACT.</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
             <xs:restriction base="xs:string">
              <xs:maxLength value="4"/>
             </xs:restriction>
            </xs:simpleType>
           </xs:element>
           <xs:element name="Vessel" type="VesselType"/>
           <xs:element name="VesselName">
            <xs:annotation>
             <xs:documentation>Name of the ship</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
             <xs:restriction base="xs:string">
              <xs:maxLength value="35"/>
             </xs:restriction>
            </xs:simpleType>
           </xs:element>
           <xs:element name="PreviousVesselName" minOccurs="0">
            <xs:annotation>
             <xs:documentation>Previous name of the ship, if
applicable</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
             <xs:restriction base="xs:string">
              <xs:maxLength value="35"/>
             </xs:restriction>
            </xs:simpleType>
           </xs:element>
           <xs:element name="Nationality">
            <xs:annotation>
             <xs:documentation>Nationality of means of transport. If the nationality
of the means of transport is not known, the 3-digit code of the country of the
inspection body that issued the last vessel certificate shall be
used.</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
             <xs:restriction base="xs:string">
              <xs:minLength value="2"/>
              <xs:maxLength value="3"/>
```

```
            </xs:restriction>
           </xs:simpleType>
          </xs:element>
          <xs:element name="PreviousNationality" minOccurs="0">
           <xs:annotation>
            <xs:documentation>Previous nationality of means of transport (if
applicable). If the previous nationality of the means of transport is not known,
the 3-digit code of the country of the most recent inspection body that issued a
certificate for this vessel, considering only the inspection bodies of a different
country (than current "Nationality").</xs:documentation>
           </xs:annotation>
           <xs:simpleType>
            <xs:restriction base="xs:string">
             <xs:minLength value="2"/>
             <xs:maxLength value="3"/>
            </xs:restriction>
           </xs:simpleType>
          </xs:element>
         </xs:sequence>
         <xs:attribute name="StageQualifier" type="xs:string" use="required"
fixed="20"/>
        </xs:complexType>
       </xs:element>
       <xs:element name="TransportDimensions" type="TransportDimensionsType">
        <xs:annotation>
         <xs:documentation>Dimensions of the transport</xs:documentation>
        </xs:annotation>
       </xs:element>
       <xs:element name="TransportReference" minOccurs="0" maxOccurs="3">
        <xs:complexType>
         <xs:sequence>
          <xs:element name="RefQualifier">
           <xs:simpleType>
            <xs:restriction base="xs:string">
             <xs:length value="3"/>
            </xs:restriction>
           </xs:simpleType>
          </xs:element>
          <xs:element name="RefNo">
           <xs:simpleType>
            <xs:restriction base="xs:string">
             <xs:maxLength value="35"/>
            </xs:restriction>
           </xs:simpleType>
          </xs:element>
         </xs:sequence>
        </xs:complexType>
       </xs:element>
       <xs:element name="TransportLocations">
        <xs:complexType>
         <xs:sequence>
          <xs:element name="PortOfDeparture" type="LocationType">
           <xs:annotation>
            <xs:documentation>Port of departure, the port where the transport
starts</xs:documentation>
           </xs:annotation>
          </xs:element>
          <xs:element name="PassagePoint" type="LocationType" minOccurs="0">
           <xs:annotation>
            <xs:documentation>Passage point that has already been passed by the
ship.</xs:documentation>
           </xs:annotation>
          </xs:element>
          <xs:element name="NextPortOfCall" type="LocationType" minOccurs="0">
           <xs:annotation>
            <xs:documentation>Next passage point</xs:documentation>
           </xs:annotation>
          </xs:element>
```

```
          <xs:element name="RoutePoints" minOccurs="0" maxOccurs="5">
           <xs:annotation>
            <xs:documentation>Further future passage points (information on
intended route). At most five intermediate points on the route may be given. The
order of passage shall be the order within the message.</xs:documentation>
           </xs:annotation>
           <xs:complexType>
            <xs:sequence>
             <xs:element name="RoutePoint" type="LocationType"/>
             <xs:element name="RoutePointPassageTime" type="xs:dateTime"
minOccurs="0"/>
            </xs:sequence>
           </xs:complexType>
          </xs:element>
          <xs:element name="PortOfDestination" type="LocationType">
           <xs:annotation>
            <xs:documentation>Port of destination. This is the first port where the
transport is bound.</xs:documentation>
           </xs:annotation>
          </xs:element>
          <xs:element name="ETD" type="xs:dateTime" minOccurs="0">
           <xs:annotation>
            <xs:documentation>Estimated Time of Departure</xs:documentation>
           </xs:annotation>
          </xs:element>
          <xs:element name="PassageTime" type="xs:dateTime" minOccurs="0"/>
          <xs:element name="ETA" type="xs:dateTime" minOccurs="0">
           <xs:annotation>
            <xs:documentation>Estimated Time of Arrival</xs:documentation>
           </xs:annotation>
          </xs:element>
         </xs:sequence>
        </xs:complexType>
       </xs:element>
      </xs:sequence>
     </xs:complexType>
    </xs:element>
    <xs:element name="MessageSenderAddress">
     <xs:annotation>
      <xs:documentation>Name and address of message sender</xs:documentation>
     </xs:annotation>
     <xs:complexType>
      <xs:sequence>
       <xs:element name="NameAddress" type="NameAddressType"/>
       <xs:element name="Contact" type="ContactType" minOccurs="0"/>
      </xs:sequence>
     </xs:complexType>
    </xs:element>
    <xs:element name="MessageReceiverAddress" minOccurs="0">
     <xs:complexType>
      <xs:sequence>
       <xs:element name="NameAddress" type="NameAddressType"/>
       <xs:element name="Contact" type="ContactType" minOccurs="0"/>
      </xs:sequence>
     </xs:complexType>
    </xs:element>
    <xs:element name="AgentInvoiceAddress" minOccurs="0">
     <xs:annotation>
      <xs:documentation>Agent, Invoice responsible</xs:documentation>
     </xs:annotation>
     <xs:complexType>
      <xs:sequence>
       <xs:element name="NameAddress" type="NameAddressType"/>
       <xs:element name="Contact" type="ContactType" minOccurs="0"/>
      </xs:sequence>
     </xs:complexType>
    </xs:element>
    <xs:element name="Barges">
```

```
      <xs:complexType>
       <xs:sequence>
        <xs:element name="Barge" maxOccurs="15">
         <xs:complexType>
          <xs:sequence>
           <xs:element name="BargeId" type="VesselType"/>
           <xs:element name="BargeType">
            <xs:annotation>
             <xs:documentation>Code for ship and convoy types of means of
transport</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
             <xs:restriction base="xs:string">
              <xs:maxLength value="4"/>
             </xs:restriction>
            </xs:simpleType>
           </xs:element>
           <xs:element name="BargeName">
            <xs:annotation>
             <xs:documentation>Name of the barge or vessel</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
             <xs:restriction base="xs:string">
              <xs:maxLength value="35"/>
             </xs:restriction>
            </xs:simpleType>
           </xs:element>
           <xs:element name="EquipmentType">
            <xs:annotation>
             <xs:documentation>'BRY' for vessel participating in the propulsion,
'BRN' for vessel not participating in the propulsion</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
             <xs:restriction base="xs:string">
              <xs:maxLength value="3"/>
              <xs:enumeration value="BRY"/>
              <xs:enumeration value="BRN"/>
             </xs:restriction>
            </xs:simpleType>
           </xs:element>
           <xs:element name="BargeDimensions" type="TransportDimensionsType">
            <xs:annotation>
             <xs:documentation>Dimensions of this individual
barge</xs:documentation>
            </xs:annotation>
           </xs:element>
           <xs:element name="TotalPower" type="xs:integer" minOccurs="0">
            <xs:annotation>
             <xs:documentation>Total power (in kW) of the propulsion system
(corresponding to field #28 of the model of inland navigation vessel certificate as
described in ES-TRIN, Annex 3, Section I)</xs:documentation>
            </xs:annotation>
           </xs:element>
           <xs:element name="AlternativeFuelInstallation" minOccurs="0">
            <xs:annotation>
             <xs:documentation>Indicator if there is a presence onboard of
propulsion or auxiliary systems, which are intended to be used, with one of the
following energy sources:
              'LNG': Liquified Natural Gas,
              'CNG': Compressed Natural Gas,
              'MET': Methanol,
              'CH2': Compressed Hydrogen,
              'LH2': Liquified Hydrogen,
              'BAT': Accumulators with a total capacity exceeding 500 kWh
             </xs:documentation>
            </xs:annotation>
            <xs:complexType>
             <xs:sequence>
```

```
              <xs:element name="LNG" type="xs:boolean" default="0"/>
              <xs:element name="CNG" type="xs:boolean" default="0"/>
              <xs:element name="MET" type="xs:boolean" default="0"/>
              <xs:element name="CH2" type="xs:boolean" default="0"/>
              <xs:element name="LH2" type="xs:boolean" default="0"/>
              <xs:element name="BAT" type="xs:boolean" default="0"/>
             </xs:sequence>
            </xs:complexType>
           </xs:element>
          </xs:sequence>
         </xs:complexType>
        </xs:element>
       </xs:sequence>
      </xs:complexType>
     </xs:element>
     <xs:element name="ContainerMatrixes" minOccurs="0">
      <xs:annotation>
       <xs:documentation>Container totals (20, 30, 40ft)</xs:documentation>
      </xs:annotation>
      <xs:complexType>
       <xs:sequence>
        <xs:element name="ContainerMatrix" maxOccurs="9">
         <xs:annotation>
          <xs:documentation>Specification of the number of
Containers</xs:documentation>
         </xs:annotation>
         <xs:complexType>
          <xs:sequence>
           <xs:element name="ContRange">
            <xs:annotation>
             <xs:documentation>'RNG20' for containers having a length between 20 and
29 feet
              'RNG30' for containers having a length between 30 and 39 feet
              'RNG40' for containers having a length of 40 feet or more
             </xs:documentation>
            </xs:annotation>
            <xs:simpleType>
             <xs:restriction base="xs:string">
              <xs:maxLength value="5"/>
              <xs:enumeration value="RNG20"/>
              <xs:enumeration value="RNG30"/>
              <xs:enumeration value="RNG40"/>
             </xs:restriction>
            </xs:simpleType>
           </xs:element>
           <xs:element name="Number">
            <xs:annotation>
             <xs:documentation>Number of containers</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
             <xs:restriction base="xs:integer">
              <xs:maxInclusive value="9999"/>
              <xs:minInclusive value="0"/>
             </xs:restriction>
            </xs:simpleType>
           </xs:element>
           <xs:element name="ContStatus">
            <xs:annotation>
             <xs:documentation>Container status: '5' for loaded, '4' for empty, '6'
for no volume available</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
             <xs:restriction base="xs:string">
              <xs:length value="1"/>
              <xs:enumeration value="4"/>
              <xs:enumeration value="5"/>
              <xs:enumeration value="6"/>
             </xs:restriction>
```

```
            </xs:simpleType>
           </xs:element>
          </xs:sequence>
         </xs:complexType>
        </xs:element>
       </xs:sequence>
      </xs:complexType>
     </xs:element>
     <xs:element name="Consignments" minOccurs="0">
      <xs:annotation>
       <xs:documentation>Consignment (similar source/destination) specification of
the transported cargo</xs:documentation>
      </xs:annotation>
      <xs:complexType>
       <xs:sequence>
        <xs:element name="Consignment" maxOccurs="999">
         <xs:complexType>
          <xs:sequence>
           <xs:element name="SequenceNo">
            <xs:annotation>
             <xs:documentation>Sequence number of the consignment. For
modifications, the same sequence number is to be used</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
             <xs:restriction base="xs:integer">
              <xs:minInclusive value="1"/>
              <xs:maxInclusive value="9999"/>
             </xs:restriction>
            </xs:simpleType>
           </xs:element>
           <xs:element name="DepartureTime" type="xs:dateTime" minOccurs="0">
            <xs:annotation>
             <xs:documentation>Estimated departure time from the loading
place</xs:documentation>
            </xs:annotation>
           </xs:element>
           <xs:element name="PortOfLoading" type="LocationType" minOccurs="0">
            <xs:annotation>
             <xs:documentation>Specification of the loading place of the
cargo</xs:documentation>
            </xs:annotation>
           </xs:element>
           <xs:element name="PortOfDischarge" type="LocationType" minOccurs="0">
            <xs:annotation>
             <xs:documentation>Specification of the discharge place of the
cargo</xs:documentation>
            </xs:annotation>
           </xs:element>
           <xs:element name="CargoReceiver" type="NameAddressType" minOccurs="0">
            <xs:annotation>
             <xs:documentation>Cargo receiver</xs:documentation>
            </xs:annotation>
           </xs:element>
           <xs:element name="CargoSender" type="NameAddressType" minOccurs="0">
            <xs:annotation>
             <xs:documentation>Cargo Sender</xs:documentation>
            </xs:annotation>
           </xs:element>
           <xs:element name="ArrivalTime" type="xs:dateTime" minOccurs="0">
            <xs:annotation>
             <xs:documentation>Estimated arrival time at the discharge
place</xs:documentation>
            </xs:annotation>
           </xs:element>
           <xs:element name="CargoHandling" type="HandlingType" default="T"
minOccurs="0">
            <xs:annotation>
```

```
            <xs:documentation>Default 'T'.  'T' = Transit,  'LLO' = Loading,  'LDI'
= Unloading,  'TSP' = Transit in the same port</xs:documentation>
           </xs:annotation>
          </xs:element>
          <xs:element name="GoodsItems">
           <xs:annotation>
            <xs:documentation>GOODS ITEM DETAILS</xs:documentation>
           </xs:annotation>
           <xs:complexType>
            <xs:sequence>
             <xs:element name="GoodsItem" maxOccurs="99">
              <xs:complexType>
               <xs:sequence>
                <xs:element name="GoodsItemNo">
                 <xs:annotation>
                  <xs:documentation>Sequence number of the good within a
consignment. Unique within the CNI group</xs:documentation>
                 </xs:annotation>
                 <xs:simpleType>
                  <xs:restriction base="xs:integer">
                   <xs:maxInclusive value="99999"/>
                  </xs:restriction>
                 </xs:simpleType>
                </xs:element>
                <xs:element name="NumberOfPackages" minOccurs="0">
                 <xs:annotation>
                  <xs:documentation>Number of inner packages related to type of
packages. For containers and tanks the default value is '1'</xs:documentation>
                 </xs:annotation>
                 <xs:simpleType>
                  <xs:restriction base="xs:integer">
                   <xs:maxInclusive value="99999999"/>
                  </xs:restriction>
                 </xs:simpleType>
                </xs:element>
                <xs:element name="AdditionalInfo" minOccurs="0">
                 <xs:annotation>
                  <xs:documentation>Extra goods information</xs:documentation>
                 </xs:annotation>
                 <xs:complexType>
                  <xs:sequence>
                   <xs:element name="TypeOfGood">
                    <xs:annotation>
                     <xs:documentation>type of good: 'D' for Dangerous, 'N' for
Non-dangerous</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                     <xs:restriction base="xs:string">
                      <xs:length value="1"/>
                      <xs:enumeration value="D"/>
                      <xs:enumeration value="N"/>
                     </xs:restriction>
                    </xs:simpleType>
                   </xs:element>
                   <xs:element name="HSCode" type="HSCodeType" minOccurs="0">
                    <xs:annotation>
                     <xs:documentation>No longer in use. Please use HSCode in
GoodsDescription or DangerousGoodsInfo.</xs:documentation>
                    </xs:annotation>
                   </xs:element>
                   <xs:element name="CustomsStatus" minOccurs="0">
                    <xs:annotation>
                     <xs:documentation>Customs status: 'C' = Union goods, 'F' =
Union goods from non-fiscal area, 'N' = All other goods</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                     <xs:restriction base="xs:string">
                      <xs:length value="1"/>
```

```
                        <xs:enumeration value="C"/>
                        <xs:enumeration value="F"/>
                        <xs:enumeration value="N"/>
                       </xs:restriction>
                      </xs:simpleType>
                     </xs:element>
                     <xs:element name="CustomsRefNo" minOccurs="0">
                      <xs:annotation>
                       <xs:documentation>Customs document reference number (if
any)</xs:documentation>
                      </xs:annotation>
                      <xs:simpleType>
                       <xs:restriction base="xs:string">
                        <xs:maxLength value="35"/>
                       </xs:restriction>
                      </xs:simpleType>
                     </xs:element>
                     <xs:element name="Overseas" minOccurs="0">
                      <xs:annotation>
                       <xs:documentation>Overseas destination: 'Y' = with overseas
destination, 'N' = without an overseas destination</xs:documentation>
                      </xs:annotation>
                      <xs:simpleType>
                       <xs:restriction base="xs:string">
                        <xs:length value="1"/>
                        <xs:enumeration value="Y"/>
                        <xs:enumeration value="N"/>
                       </xs:restriction>
                      </xs:simpleType>
                     </xs:element>
                    </xs:sequence>
                   </xs:complexType>
                  </xs:element>
                  <xs:element name="GoodsDescription" minOccurs="0">
                   <xs:annotation>
                    <xs:documentation>Non-dangerous goods info</xs:documentation>
                   </xs:annotation>
                   <xs:complexType>
                    <xs:sequence>
                     <xs:element name="GoodsName">
                      <xs:annotation>
                       <xs:documentation>Goods name of the non-dangerous
cargo</xs:documentation>
                      </xs:annotation>
                      <xs:simpleType>
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                        <xs:maxLength value="70"/>
                       </xs:restriction>
                      </xs:simpleType>
                     </xs:element>
                     <xs:element name="NSTCode" type="NSTCodeType" minOccurs="0">
                      <xs:annotation>
                       <xs:documentation>NST code of the non-dangerous
cargo</xs:documentation>
                      </xs:annotation>
                     </xs:element>
                     <xs:element name="HSCode" type="HSCodeType" minOccurs="0">
                      <xs:annotation>
                       <xs:documentation>HS code of the non-dangerous
cargo</xs:documentation>
                      </xs:annotation>
                     </xs:element>
                     <xs:element name="TypeOfCargo" type="TypeOfCargoType"
minOccurs="0">
                      <xs:annotation>
                       <xs:documentation>Simplified classification codes for types of
cargo - UNECE Recommendation 21</xs:documentation>
                      </xs:annotation>
```

```
                    </xs:element>
                    <xs:element name="GoodsFreeRemark" minOccurs="0">
                     <xs:annotation>
                      <xs:documentation>Additional goods
description</xs:documentation>
                     </xs:annotation>
                     <xs:simpleType>
                      <xs:restriction base="xs:string">
                       <xs:maxLength value="70"/>
                      </xs:restriction>
                     </xs:simpleType>
                    </xs:element>
                   </xs:sequence>
                  </xs:complexType>
                 </xs:element>
                 <xs:element name="DangerousGoodsInfo" minOccurs="0">
                  <xs:annotation>
                   <xs:documentation>Either non-dangerous OR dangerous goods info
must be specified</xs:documentation>
                  </xs:annotation>
                  <xs:complexType>
                   <xs:sequence>
                    <xs:element name="DangerousGoods">
                     <xs:complexType>
                      <xs:sequence>
                       <xs:element name="Regulation">
                        <xs:annotation>
                         <xs:documentation>ADN for inland vessels (UNECE ADN Code),
'IMD' for sea going vessels (IMO IMDG code)</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                         <xs:restriction base="xs:string">
                          <xs:length value="3"/>
                          <xs:enumeration value="ADN"/>
                          <xs:enumeration value="IMD"/>
                         </xs:restriction>
                        </xs:simpleType>
                       </xs:element>
                       <xs:element name="Classification">
                        <xs:annotation>
                         <xs:documentation>ADN Classification (Column
3b)</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                         <xs:restriction base="xs:string">
                          <xs:maxLength value="7"/>
                         </xs:restriction>
                        </xs:simpleType>
                       </xs:element>
                       <xs:element name="AdditionalClassification" minOccurs="0">
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                         </xs:restriction>
                        </xs:simpleType>
                       </xs:element>
                       <xs:element name="UNNumber">
                        <xs:annotation>
                         <xs:documentation>UN number or identification number
(Column 1)</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                         <xs:restriction base="xs:string">
                          <xs:length value="4"/>
                         </xs:restriction>
                        </xs:simpleType>
                       </xs:element>
                       <xs:element name="Flashpoint" type="xs:float" minOccurs="0">
```

```
                        <xs:annotation>
                         <xs:documentation>Flashpoint of the good
transported</xs:documentation>
                        </xs:annotation>
                       </xs:element>
                       <xs:element name="FlashpointUnit" minOccurs="0">
                        <xs:annotation>
                         <xs:documentation>'CEL' for Celsius, 'FAH' for
Fahrenheit</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                         <xs:restriction base="xs:string">
                          <xs:length value="3"/>
                          <xs:enumeration value="CEL"/>
                          <xs:enumeration value="FAH"/>
                         </xs:restriction>
                        </xs:simpleType>
                       </xs:element>
                       <xs:element name="PackingGroup" minOccurs="0">
                        <xs:annotation>
                         <xs:documentation>Packing group (column 4). '1' for great
danger, '2' for medium danger, '3' for minor danger, Empty if not
available</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                         <xs:restriction base="xs:string">
                          <xs:length value="1"/>
                         </xs:restriction>
                        </xs:simpleType>
                       </xs:element>
                       <xs:element name="EMSNumber" minOccurs="0">
                        <xs:annotation>
                         <xs:documentation>Emergency procedures</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                         <xs:restriction base="xs:string">
                          <xs:maxLength value="6"/>
                         </xs:restriction>
                        </xs:simpleType>
                       </xs:element>
                       <xs:element name="MFAGNumber" minOccurs="0">
                        <xs:annotation>
                         <xs:documentation>Medical first aid
guide</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                         <xs:restriction base="xs:string">
                          <xs:maxLength value="4"/>
                         </xs:restriction>
                        </xs:simpleType>
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                       <xs:element name="HazardPlacard" minOccurs="0">
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                          <xs:element name="HazardPlacardUpper" minOccurs="0">
                           <xs:simpleType>
                            <xs:restriction base="xs:string">
                             <xs:maxLength value="4"/>
                            </xs:restriction>
                           </xs:simpleType>
                          </xs:element>
                          <xs:element name="HazardPlacardLower" minOccurs="0">
                           <xs:simpleType>
                            <xs:restriction base="xs:string">
                             <xs:maxLength value="4"/>
                            </xs:restriction>
                           </xs:simpleType>
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```

```
                        </xs:sequence>
                       </xs:complexType>
                      </xs:element>
                      <xs:element name="NSTCode" type="NSTCodeType" minOccurs="0">
                       <xs:annotation>
                        <xs:documentation>NST code of the dangerous
cargo</xs:documentation>
                       </xs:annotation>
                      </xs:element>
                      <xs:element name="HSCode" type="HSCodeType" minOccurs="0">
                       <xs:annotation>
                        <xs:documentation>HS code of the dangerous
cargo</xs:documentation>
                       </xs:annotation>
                      </xs:element>
                      <xs:element name="TypeOfCargo" type="TypeOfCargoType"
minOccurs="0">
                       <xs:annotation>
                        <xs:documentation>Simplified classification codes for
types of cargo - UNECE Recommendation 21</xs:documentation>
                       </xs:annotation>
                      </xs:element>
                     </xs:sequence>
                    </xs:complexType>
                   </xs:element>
                   <xs:element name="TechnicalName">
                    <xs:annotation>
                     <xs:documentation>Correct Technical Name</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                     <xs:restriction base="xs:string">
                      <xs:maxLength value="70"/>
                     </xs:restriction>
                    </xs:simpleType>
                   </xs:element>
                   <xs:element name="NetWeight" type="xs:integer"/>
                   <xs:element name="ProperShippingName" type="xs:string">
                    <xs:annotation>
                     <xs:documentation>Name of dangerous good (proper shipping
name). Proper shipping name, supplemented as necessary with the correct technical
name, by which a dangerous substance or article may be correctly identified or
which is sufficiently informative to permit identification by reference to
generally available literature.</xs:documentation>
                    </xs:annotation>
                   </xs:element>
                   <xs:element name="LimitedQuantity" type="xs:boolean"
default="0">
                    <xs:annotation>
                     <xs:documentation>'TLQ' Transport of dangerous goods in
limited quantities</xs:documentation>
                    </xs:annotation>
                   </xs:element>
                  </xs:sequence>
                 </xs:complexType>
                </xs:element>
                <xs:element name="GoodSplitGoodsPlacements" maxOccurs="99">
                 <xs:annotation>
                  <xs:documentation>Good Stowagelocation info</xs:documentation>
                 </xs:annotation>
                 <xs:complexType>
                  <xs:sequence>
                   <xs:element name="SplitGoodsPlacement"
type="SplitGoodsPlacementType">
                    <xs:annotation>
                     <xs:documentation>Vessel where goods are
stowed</xs:documentation>
                    </xs:annotation>
                   </xs:element>
```

```
                    <xs:element name="ContainerStowage" type="ContainerStowageType"
minOccurs="0" maxOccurs="99">
                     <xs:annotation>
                      <xs:documentation>Also includes liquid bulk</xs:documentation>
                     </xs:annotation>
                    </xs:element>
                   </xs:sequence>
                  </xs:complexType>
                 </xs:element>
                 <xs:element name="TypeOfPackages" minOccurs="0">
                  <xs:annotation>
                   <xs:documentation>Innnerpackage</xs:documentation>
                  </xs:annotation>
                  <xs:simpleType>
                   <xs:restriction base="xs:string">
                    <xs:length value="2"/>
                   </xs:restriction>
                  </xs:simpleType>
                 </xs:element>
                </xs:sequence>
               </xs:complexType>
              </xs:element>
             </xs:sequence>
            </xs:complexType>
           </xs:element>
          <xs:element name="ExperimentField" minOccurs="0">
           <xs:annotation>
            <xs:documentation> This field is reserved for experimental use. The
structure, semantics and permitted values of the content of this field are defined
by the authority responsible for the experiment. The value of the field shall begin
with an experiment identifier that uniquely identifies the experiment to which the
data relates.This field shall be ignored by authorities not participating in the
experiment.</xs:documentation>
           </xs:annotation>
           <xs:simpleType>
            <xs:restriction base="xs:string">
             <xs:maxLength value="512"/>
            </xs:restriction>
           </xs:simpleType>
          </xs:element>
           </xs:sequence>
          </xs:complexType>
         </xs:element>
        </xs:sequence>
       </xs:complexType>
      </xs:element>
     </xs:sequence>
     <xs:attribute name="VersionMajor" type="xs:integer" use="required"/>
     <xs:attribute name="VersionMinor" type="xs:integer" use="required"/>
    </xs:complexType>
   </xs:element>
   <xs:complexType name="MessageIdType">
    <xs:sequence>
     <xs:element name="SenderId">
      <xs:annotation>
       <xs:documentation>Sender identification</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
       <xs:restriction base="xs:string">
        <xs:maxLength value="25"/>
       </xs:restriction>
      </xs:simpleType>
     </xs:element>
     <xs:element name="ReceiverId">
      <xs:annotation>
       <xs:documentation>Recipient identification</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
```

```
      <xs:restriction base="xs:string">
       <xs:maxLength value="25"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="GenerationDateTime" type="xs:dateTime">
     <xs:annotation>
      <xs:documentation>Generation Date-Time of the message</xs:documentation>
     </xs:annotation>
    </xs:element>
    <xs:element name="AckRequest" minOccurs="0">
     <xs:annotation>
      <xs:documentation>Acknowledgement request</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="1"/>
       <xs:enumeration value="1"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="TestIndicator" minOccurs="0">
     <xs:annotation>
      <xs:documentation>'1' = The interchange relates to a test
message</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="1"/>
       <xs:enumeration value="1"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="MessageType">
     <xs:annotation>
      <xs:documentation>'VES': from vessel to RIS authority message, 'CAR': from
carrier to RIS authority message, 'PAS': passage report from RIS authority to RIS
authority (also see section 0)</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="3"/>
       <xs:enumeration value="VES"/>
       <xs:enumeration value="CAR"/>
       <xs:enumeration value="PAS"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="MessageNo">
     <xs:annotation>
      <xs:documentation>Message reference number. This number shall be as unique as
possible, both for sender and for receiver.</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="35"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="MessageFunction">
     <xs:annotation>
      <xs:documentation>Function of message. '1' = cancellation message, '9' = new
message, (original), '5' = modification message, '22' = Final transmission (End of
voyage), '150' = Interruption of voyage, '151' = Restart of
voyage</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:integer">
```

```
      <xs:enumeration value="1"/>
      <xs:enumeration value="5"/>
      <xs:enumeration value="9"/>
      <xs:enumeration value="22"/>
      <xs:enumeration value="150"/>
      <xs:enumeration value="151"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="CommonDenominator">
    <xs:annotation>
     <xs:documentation>RefNo to group several msgs of same journey (including other
types of ERI messages). Corresponds to common access reference</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="35"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
  </xs:sequence>
 </xs:complexType>
 <xs:complexType name="VesselType">
  <xs:sequence>
   <xs:element name="VesselId">
    <xs:annotation>
     <xs:documentation>Vessel number: 7 digits for IMO indication or 8 digits
unique European vessel identification number (ENI)</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:minLength value="7"/>
      <xs:maxLength value="8"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="VesselIdType">
    <xs:annotation>
     <xs:documentation>'IMO': IMO-number, 'ENI': unique European vessel
identification number</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:length value="3"/>
      <xs:enumeration value="IMO"/>
      <xs:enumeration value="ENI"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="MMSI" type="xs:integer" minOccurs="0">
    <xs:annotation>
     <xs:documentation>MMSI number of the vessel</xs:documentation>
    </xs:annotation>
   </xs:element>
  </xs:sequence>
 </xs:complexType>
 <xs:complexType name="LocationType">
  <xs:sequence>
   <xs:element name="RisId" minOccurs="0">
    <xs:annotation>
     <xs:documentation>RIS_ID (GUID Identifier) of the location in
RIS.net</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:pattern value="[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-
F]{4}-[0-9a-fA-F]{12}"/>
     </xs:restriction>
```

```
    </xs:simpleType>
   </xs:element>
   <xs:element name="Locode">
    <xs:annotation>
     <xs:documentation>UNECE location code (Rec. 16)</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:length value="5"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="LocationName" minOccurs="0">
    <xs:annotation>
     <xs:documentation>Full name of the location</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="17"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="ObjectCode" minOccurs="0">
    <xs:annotation>
     <xs:documentation>Terminal code</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="5"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="TerminalName" minOccurs="0">
    <xs:annotation>
     <xs:documentation>Full name of the terminal.</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="70"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="FairwaySectionCode" minOccurs="0">
    <xs:annotation>
     <xs:documentation>Fairway section code</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="5"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="FairwayHectometre" minOccurs="0">
    <xs:annotation>
     <xs:documentation>Fairway section hectometre</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="5"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
  </xs:sequence>
 </xs:complexType>
 <xs:complexType name="NameAddressType">
  <xs:sequence>
   <xs:element name="PartyFunction">
    <xs:annotation>
```

```
      <xs:documentation>Party qualifier. 'MS': message sender, 'MR': message
receiver, 'CG': agent/invoice address, 'SF': sender address (cargo), 'ST':
destination address (cargo)</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="3"/>
       <xs:enumeration value="MS"/>
       <xs:enumeration value="MR"/>
       <xs:enumeration value="CG"/>
       <xs:enumeration value="SF"/>
       <xs:enumeration value="ST"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="PartyId" minOccurs="0">
     <xs:annotation>
      <xs:documentation>Identification code.</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="35"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="PartyName">
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="35"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="Street" minOccurs="0">
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      <xs:restriction base="xs:string">
       <xs:maxLength value="35"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="City" minOccurs="0">
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="35"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
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     <xs:simpleType>
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       <xs:maxLength value="9"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="Country" minOccurs="0">
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       <xs:minLength value="2"/>
       <xs:maxLength value="3"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="VATNumber" minOccurs="0">
     <xs:annotation>
      <xs:documentation>Invoice, VAT or Admin reference number</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="35"/>
```

```
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
   </xs:sequence>
  </xs:complexType>
  <xs:complexType name="CommsContactType">
   <xs:sequence>
    <xs:element name="CommsNo">
     <xs:annotation>
      <xs:documentation>Communication number or E-mail address</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="70"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="CommsChannel">
     <xs:annotation>
      <xs:documentation>'TE': telephone number, 'FX': fax number, 'EM': email
address, 'EI': EDI mailbox number (EDI number or email address)</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="3"/>
       <xs:enumeration value="TE"/>
       <xs:enumeration value="FX"/>
       <xs:enumeration value="EM"/>
       <xs:enumeration value="EI"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
   </xs:sequence>
  </xs:complexType>
  <xs:complexType name="TransportDimensionsType">
   <xs:annotation>
    <xs:documentation>All dimensions are in cm</xs:documentation>
   </xs:annotation>
   <xs:sequence>
    <xs:element name="Length">
     <xs:annotation>
      <xs:documentation>Total length in centimetres</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:integer">
       <xs:minInclusive value="0"/>
       <xs:maxInclusive value="99999"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="Width">
     <xs:annotation>
      <xs:documentation>Total width in centimetres</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:integer">
       <xs:minInclusive value="0"/>
       <xs:maxInclusive value="9999"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="Draught">
     <xs:annotation>
      <xs:documentation>Draught in centimetres</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:integer">
       <xs:minInclusive value="0"/>
```

```
      <xs:maxInclusive value="9999"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="Tonnage">
    <xs:annotation>
     <xs:documentation>Maximum capacity in metric tonnes</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:integer">
      <xs:minInclusive value="0"/>
      <xs:maxInclusive value="999999"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="Airdraft" minOccurs="0">
    <xs:annotation>
     <xs:documentation>Height above the waterline in centimetres</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:integer">
      <xs:minInclusive value="0000"/>
      <xs:maxInclusive value="9999"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
  </xs:sequence>
 </xs:complexType>
 <xs:complexType name="SplitGoodsPlacementType">
  <xs:sequence>
   <xs:element name="Placement" type="VesselType"/>
   <xs:element name="Weight" type="WeightType">
    <xs:annotation>
     <xs:documentation>Gross Weight (including weight packages)</xs:documentation>
    </xs:annotation>
   </xs:element>
   <xs:element name="NetWeight" type="xs:integer" minOccurs="0">
    <xs:annotation>
     <xs:documentation>Weight of the cargo only</xs:documentation>
    </xs:annotation>
   </xs:element>
   <xs:element name="Volume" type="VolumeType" minOccurs="0">
    <xs:annotation>
     <xs:documentation>The observed volume after adjustment for factors such as
temperature or gravity</xs:documentation>
    </xs:annotation>
   </xs:element>
  </xs:sequence>
 </xs:complexType>
 <xs:simpleType name="HSCodeType">
  <xs:restriction base="xs:string">
   <xs:minLength value="6"/>
   <xs:maxLength value="10"/>
  </xs:restriction>
 </xs:simpleType>
 <xs:simpleType name="TypeOfCargoType">
  <xs:restriction base="xs:string">
   <xs:minLength value="2"/>
   <xs:maxLength value="2"/>
  </xs:restriction>
 </xs:simpleType>
 <xs:simpleType name="NSTCodeType">
  <xs:restriction base="xs:string">
   <xs:minLength value="2"/>
   <xs:maxLength value="6"/>
  </xs:restriction>
 </xs:simpleType>
 <xs:complexType name="ContainerStowageType">
```

```
  <xs:sequence>
   <xs:element name="ContainerIdentificationCode">
    <xs:annotation>
     <xs:documentation>For containers the Container identification code shall be
used (owner code, identifier, serial number. check digit). For liquid bulk, use
code 'NA'.</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="17"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="ContainerType" minOccurs="0">
    <xs:annotation>
     <xs:documentation>Container type (ISO 6346 chapter 4 and annexes D and E).  If
the container type is known, then this data shall be given.</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="4"/>
      <xs:minLength value="4"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="StowageLocation" minOccurs="0">
    <xs:annotation>
     <xs:documentation>For containers 'BBBRRTT' for bay/row/tier (In accordance
with ISO 9711-1 (1990)).
      For tanks:
      LLnn where
      —
      LL describes the location of the tank (PS for port side, SB for starboard, CC
for Center side, CP for Center portside, CS for Center starboard (in case of 4-
width configuration))
      –
      nn describes the sequence number of the tank, starting with 01 from front to
nn to the back.
     </xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="25"/>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="Weight" type="WeightType">
    <xs:annotation>
     <xs:documentation>Gross Weight</xs:documentation>
    </xs:annotation>
   </xs:element>
   <xs:element name="NetWeight" type="WeightType" minOccurs="0">
    <xs:annotation>
     <xs:documentation>Weigth of all cargo in the Container (Including
innerpackages)</xs:documentation>
    </xs:annotation>
   </xs:element>
   <xs:element name="Volume" type="VolumeType" minOccurs="0"/>
   <xs:element name="VerifiedGrossMass" type="WeightType" minOccurs="0">
    <xs:annotation>
     <xs:documentation>The verified gross mass of this container</xs:documentation>
    </xs:annotation>
   </xs:element>
   <xs:element name="EstimatedGrossWeight" type="WeightType" minOccurs="0">
    <xs:annotation>
     <xs:documentation>The Estimated gross weight of this
container</xs:documentation>
    </xs:annotation>
```

```
    </xs:element>
    <xs:element name="InertGas" type="xs:boolean" minOccurs="0">
     <xs:annotation>
      <xs:documentation>An inert gas is transported</xs:documentation>
     </xs:annotation>
    </xs:element>
   </xs:sequence>
  </xs:complexType>
  <xs:simpleType name="WeightType">
   <xs:annotation>
    <xs:documentation>Weight is always given in kilogram</xs:documentation>
   </xs:annotation>
   <xs:restriction base="xs:integer">
    <xs:minInclusive value="0"/>
    <xs:maxInclusive value="999999999"/>
   </xs:restriction>
  </xs:simpleType>
  <xs:complexType name="ContactType">
   <xs:sequence>
    <xs:element name="ContactInformation" minOccurs="0">
     <xs:annotation>
      <xs:documentation>'ERI'</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="35"/>
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="CommsContact" type="CommsContactType" minOccurs="0"
maxOccurs="4">
     <xs:annotation>
      <xs:documentation>Communication contact details</xs:documentation>
     </xs:annotation>
    </xs:element>
   </xs:sequence>
  </xs:complexType>
  <xs:simpleType name="VolumeType">
   <xs:restriction base="xs:integer">
    <xs:maxInclusive value="999999999"/>
    <xs:minInclusive value="0"/>
   </xs:restriction>
  </xs:simpleType>
  <xs:simpleType name="HandlingType">
   <xs:annotation>
    <xs:documentation>'T' = Transit, 'LLO' = Loading, 'LDI' = Unloading, 'TSP' =
Transit in the same port</xs:documentation>
   </xs:annotation>
   <xs:restriction base="xs:string">
    <xs:enumeration value="T"/>
    <xs:enumeration value="LLO"/>
    <xs:enumeration value="LDI"/>
    <xs:enumeration value="TSP"/>
   </xs:restriction>
  </xs:simpleType>
</xs:schema>
```

# *ANNEX 21 APPENDIX 1*
# *PAXLST MESSAGE IN XML FORMAT, XSD FILE (SOURCE CODE)*

```
<?xml version="1.0" encoding="UTF-8"?>
<!--
================================================================================
=========== -->
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
 xmlns="https://ris.cesni.eu/_assets/ERI-PAXLST/1.5"
 targetNamespace="https://ris.cesni.eu/_assets/ERI-PAXLST/1.5"
 elementFormDefault="qualified"
 attributeFormDefault="unqualified"
 version="1.5">
 <xs:element name="Person">
  <xs:complexType>
   <xs:sequence>
    <xs:element name="PersonType">
     <xs:annotation>
      <xs:documentation>'FM' for crew member, 'FL' for passenger, 'BV' for stowaway
persons</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="20" />
       <xs:enumeration value="FM" />
       <xs:enumeration value="FL" />
       <xs:enumeration value="BV" />
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:sequence>
             <xs:element name="GivenNames">
      <xs:annotation>
       <xs:documentation>Given names</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
       <xs:restriction base="xs:string">
        <xs:maxLength value="50" />
       </xs:restriction>
      </xs:simpleType>
     </xs:element>
     <xs:element name="FamilyName">
      <xs:annotation>
       <xs:documentation>Family name</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
       <xs:restriction base="xs:string">
        <xs:maxLength value="50" />
       </xs:restriction>
      </xs:simpleType>
     </xs:element>
     <xs:element name="NamePrefix" minOccurs="0">
      <xs:annotation>
       <xs:documentation>Prefix (Mr. or Ms.)</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
       <xs:restriction base="xs:string">
        <xs:maxLength value="20" />
       </xs:restriction>
      </xs:simpleType>
     </xs:element>
     <xs:element name="Address" type="xs:string" minOccurs="0" />
     <xs:element name="CityName" minOccurs="0">
      <xs:simpleType>
       <xs:restriction base="xs:string">
        <xs:maxLength value="35" />
```

```
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
      <xs:element name="PostalCode" minOccurs="0">
       <xs:annotation>
        <xs:documentation>Postal code including country code (A-
1200)</xs:documentation>
       </xs:annotation>
       <xs:simpleType>
        <xs:restriction base="xs:string">
         <xs:minLength value="1" />
         <xs:maxLength value="9" />
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
      <xs:element name="Nationality" minOccurs="0">
       <xs:annotation>
        <xs:documentation>ISO3166-1</xs:documentation>
       </xs:annotation>
       <xs:simpleType>
        <xs:restriction base="xs:string">
         <xs:maxLength value="2" />
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
     </xs:sequence>
     <xs:element name="PortOfEmbarkation" type="LocationType" minOccurs="0">
      <xs:annotation>
       <xs:documentation>Port where the person is boarding</xs:documentation>
      </xs:annotation>
     </xs:element>
     <xs:element name="PortOfDisembarkation" type="LocationType" minOccurs="0">
      <xs:annotation>
       <xs:documentation>Port where the person is leaving the
vessel</xs:documentation>
      </xs:annotation>
     </xs:element>
     <xs:sequence minOccurs="0">
      <xs:element name="RankType">
       <xs:annotation>
        <xs:documentation>1 = Crewmember, 5 = Professional</xs:documentation>
       </xs:annotation>
       <xs:simpleType>
        <xs:restriction base="xs:string">
         <xs:enumeration value="1" />
         <xs:enumeration value="5" />
         <xs:enumeration value="" />
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
      <xs:element name="RankName" minOccurs="0">
       <xs:annotation>
        <xs:documentation>Rank/title name (e.g. Chief officer)</xs:documentation>
       </xs:annotation>
       <xs:simpleType>
        <xs:restriction base="xs:string">
         <xs:maxLength value="256" />
        </xs:restriction>
       </xs:simpleType>
      </xs:element>
      <xs:element name="Qualification" minOccurs="0">
       <xs:annotation>
        <xs:documentation>1 = Boatmaster, 2 = Helmsman, 3 = Able boatman, 4 =
Boatman, 5 = Deckhand, 6 = Apprentice, 7 = Engineer, 8 = Engine minder, 9 = Other
</xs:documentation>
       </xs:annotation>
       <xs:simpleType>
        <xs:restriction base="xs:string">
```

```
        <xs:length value="1" />
        <xs:enumeration value="1" />
        <xs:enumeration value="2" />
        <xs:enumeration value="3" />
        <xs:enumeration value="4" />
        <xs:enumeration value="5" />
        <xs:enumeration value="6" />
        <xs:enumeration value="7" />
        <xs:enumeration value="8" />
        <xs:enumeration value="9" />
       </xs:restriction>
      </xs:simpleType>
     </xs:element>
    </xs:sequence>
    <xs:sequence>
     <xs:element name="BirthDate" type="xs:date" />
     <xs:element name="PlaceOfBirth">
      <xs:simpleType>
       <xs:restriction base="xs:string">
        <xs:maxLength value="70" />
       </xs:restriction>
      </xs:simpleType>
     </xs:element>
     <xs:element name="CountryOfBirth" minOccurs="0">
      <xs:simpleType>
       <xs:restriction base="xs:string">
        <xs:maxLength value="2" />
       </xs:restriction>
      </xs:simpleType>
     </xs:element>
    </xs:sequence>
    <xs:element name="Documents">
     <xs:annotation>
      <xs:documentation>Identity documents</xs:documentation>
     </xs:annotation>
     <xs:complexType>
      <xs:sequence>
       <xs:element ref="IdentityDocument" maxOccurs="3" />
      </xs:sequence>
     </xs:complexType>
    </xs:element>
    <xs:element name="CrewRemarks" type="CrewRemarksType" minOccurs="0">
     <xs:annotation>
      <xs:documentation>Add remarks for specified person</xs:documentation>
     </xs:annotation>
    </xs:element>
    <xs:element name="CrewEffects" minOccurs="0">
     <xs:annotation>
      <xs:documentation>Effects ineligible for relief from customs duties and taxes
or subject to prohibitions or restrictions</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="512" />
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
   </xs:sequence>
  </xs:complexType>
 </xs:element>
 <xs:element name="IdentityDocument">
  <xs:complexType>
   <xs:sequence>
    <xs:element name="IdentityDocType">
     <xs:annotation>
      <xs:documentation>Document type: '39' Passport, '36' Identity card, 'SMB'
Seaman's book, '40' Driving licence (national), '41' Driving licence
(international), '483' Visa</xs:documentation>
```

```
      </xs:annotation>
      <xs:simpleType>
       <xs:restriction base="xs:string">
        <xs:maxLength value="3" />
        <xs:minLength value="2" />
        <xs:enumeration value="39" />
        <xs:enumeration value="36" />
        <xs:enumeration value="40" />
        <xs:enumeration value="41" />
        <xs:enumeration value="483" />
        <xs:enumeration value="SMB" />
       </xs:restriction>
      </xs:simpleType>
     </xs:element>
     <xs:element name="IdentityDocNr">
      <xs:simpleType>
       <xs:restriction base="xs:string">
        <xs:maxLength value="35" />
       </xs:restriction>
      </xs:simpleType>
     </xs:element>
     <xs:element name="IdentityDocExpireDate" type="xs:date" minOccurs="0">
      <xs:annotation>
       <xs:documentation>Document valid until</xs:documentation>
      </xs:annotation>
     </xs:element>
     <xs:element name="PlaceOfIssue" minOccurs="0">
      <xs:annotation>
       <xs:documentation>UNECE location code (Rec. 16), see Annex Part II, Chapter
2.3.9</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
       <xs:restriction base="xs:string">
        <xs:maxLength value="256" />
       </xs:restriction>
      </xs:simpleType>
     </xs:element>
     <xs:element name="TypeOfVisa" type="xs:string" minOccurs="0">
      <xs:annotation>
       <xs:documentation>Type of visa</xs:documentation>
      </xs:annotation>
     </xs:element>
    </xs:sequence>
   </xs:complexType>
  </xs:element>
  <xs:element name="PAXLST">
   <xs:annotation>
    <xs:documentation>ERI PAXLST</xs:documentation>
   </xs:annotation>
   <xs:complexType>
    <xs:sequence>
     <xs:element name="MessageId" type="MessageIdType">
      <xs:annotation>
       <xs:documentation>Message Information</xs:documentation>
      </xs:annotation>
     </xs:element>
     <xs:element name="PrivacyStatement" minOccurs="0">
      <xs:annotation>
       <xs:documentation>Indicate if this message may be forwarded to other
authorities</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
       <xs:restriction base="xs:boolean" />
      </xs:simpleType>
     </xs:element>
     <xs:element name="MessageRef" minOccurs="0">
      <xs:annotation>
       <xs:documentation>Reference number to previous message</xs:documentation>
```

```
      </xs:annotation>
      <xs:simpleType>
       <xs:restriction base="xs:string">
        <xs:maxLength value="35" />
       </xs:restriction>
      </xs:simpleType>
     </xs:element>
     <xs:element name="TestScenarioRef" minOccurs="0">
      <xs:annotation>
       <xs:documentation>Reference to a test scenario</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
       <xs:restriction base="xs:string">
        <xs:maxLength value="35" />
       </xs:restriction>
      </xs:simpleType>
     </xs:element>
     <xs:element name="VoyageInformation">
      <xs:complexType>
       <xs:sequence>
        <xs:element name="DocumentIssueDate" type="xs:dateTime">
         <xs:annotation>
          <xs:documentation>DTM  Notification date</xs:documentation>
         </xs:annotation>
        </xs:element>
       </xs:sequence>
      </xs:complexType>
     </xs:element>
     <xs:element name="Transport">
      <xs:annotation>
       <xs:documentation>DETAILS OF TRANSPORT</xs:documentation>
      </xs:annotation>
      <xs:complexType>
       <xs:sequence>
        <xs:element name="TransportDetails">
         <xs:complexType>
          <xs:sequence>
           <xs:element name="VoyageNo" minOccurs="0">
            <xs:annotation>
             <xs:documentation>Voyge number, defined by sender of the
message</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
             <xs:restriction base="xs:string">
              <xs:maxLength value="17" />
             </xs:restriction>
            </xs:simpleType>
           </xs:element>
           <xs:element name="TransportMode">
            <xs:annotation>
             <xs:documentation>'8' = Inland water transport, '1' = maritime
transport</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
             <xs:restriction base="xs:string">
              <xs:length value="1" />
              <xs:enumeration value="1" />
              <xs:enumeration value="8" />
             </xs:restriction>
            </xs:simpleType>
           </xs:element>
           <xs:element name="TransportMeans">
            <xs:annotation>
             <xs:documentation>Code for ship and convoy types of means of transport
from UN/CEFACT.</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
             <xs:restriction base="xs:string">
```

```
              <xs:maxLength value="4" />
             </xs:restriction>
            </xs:simpleType>
           </xs:element>
           <xs:element name="Vessel" type="VesselType" />
           <xs:element name="VesselName">
            <xs:annotation>
             <xs:documentation>Name of the ship</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
             <xs:restriction base="xs:string">
              <xs:maxLength value="35" />
             </xs:restriction>
            </xs:simpleType>
           </xs:element>
           <xs:element name="VesselsEquipment " minOccurs="0">
            <xs:annotation>
             <xs:documentation>Vessel's equipment standard: 'S1' = Standard S1, 'S2'
= Standard S2</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
             <xs:restriction base="xs:string">
              <xs:length value="2" />
              <xs:enumeration value="S1" />
              <xs:enumeration value="S2" />
             </xs:restriction>
            </xs:simpleType>
           </xs:element>
           <xs:element name="PAXCapacity" minOccurs="0">
            <xs:complexType>
             <xs:sequence>
              <xs:element name="PassengerCapacity" type="xs:int">
               <xs:annotation>
                <xs:documentation>Maximum allowed passenger
number</xs:documentation>
               </xs:annotation>
              </xs:element>
              <xs:element name="PersonsOnBoardCapacity" type="xs:int" minOccurs="0">
               <xs:annotation>
                <xs:documentation>Maximum number of allowed
persons</xs:documentation>
               </xs:annotation>
              </xs:element>
             </xs:sequence>
            </xs:complexType>
           </xs:element>
           <xs:choice>
            <xs:element name="Nationality">
             <xs:annotation>
              <xs:documentation>Nationality of means of transport</xs:documentation>
             </xs:annotation>
             <xs:simpleType>
              <xs:restriction base="xs:string">
               <xs:length value="2" />
              </xs:restriction>
             </xs:simpleType>
            </xs:element>
            <xs:element name="IssuingAuthorityENI">
             <xs:annotation>
              <xs:documentation>If the nationality of the means of transport is not
known the 3 digit code of the country of the inspection body that issued the last
vessel certificate should be used.</xs:documentation>
             </xs:annotation>
             <xs:simpleType>
              <xs:restriction base="xs:string">
               <xs:length value="3" />
              </xs:restriction>
             </xs:simpleType>
```

```
            </xs:element>
           </xs:choice>
          </xs:sequence>
         </xs:complexType>
        </xs:element>
        <xs:element name="TransportLocations">
         <xs:complexType>
          <xs:sequence>
           <xs:element name="PortOfDeparture" type="LocationType">
            <xs:annotation>
             <xs:documentation>Port of departure, the port where the transport
starts</xs:documentation>
            </xs:annotation>
           </xs:element>
           <xs:element name="ETD" type="xs:dateTime" minOccurs="0">
            <xs:annotation>
             <xs:documentation>Estimated Time of Departure from port of
departure.</xs:documentation>
            </xs:annotation>
           </xs:element>
           <xs:element name="PortOfDestination" type="LocationType">
            <xs:annotation>
             <xs:documentation>Passage point that has already been passed by the
ship.</xs:documentation>
            </xs:annotation>
           </xs:element>
           <xs:element name="ETA" type="xs:dateTime" minOccurs="0">
            <xs:annotation>
             <xs:documentation>Estimated Time of Arrival to port of
destination</xs:documentation>
            </xs:annotation>
           </xs:element>
           <xs:element name="PortOfCall" type="LocationType">
            <xs:annotation>
             <xs:documentation>Current issuing port of call</xs:documentation>
            </xs:annotation>
           </xs:element>
          </xs:sequence>
         </xs:complexType>
        </xs:element>
        <xs:element name="Personlist">
         <xs:annotation>
          <xs:documentation>Persons Dataelements incl crewlist</xs:documentation>
         </xs:annotation>
         <xs:complexType>
          <xs:sequence>
           <xs:element ref="Person" minOccurs="0" maxOccurs="9999" />
          </xs:sequence>
         </xs:complexType>
        </xs:element>
       </xs:sequence>
      </xs:complexType>
     </xs:element>
    </xs:sequence>
    <xs:attribute name="VersionMajor" type="xs:integer" use="required" />
    <xs:attribute name="VersionMinor" type="xs:integer" use="required" />
   </xs:complexType>
  </xs:element>
  <xs:complexType name="MessageIdType">
   <xs:sequence>
    <xs:element name="SenderId">
     <xs:annotation>
      <xs:documentation>Sender identification</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="25" />
      </xs:restriction>
```

```
    </xs:simpleType>
   </xs:element>
   <xs:element name="ReceiverId">
    <xs:annotation>
     <xs:documentation>Recipient identification</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="25" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="GenerationDateTime" type="xs:dateTime">
    <xs:annotation>
     <xs:documentation>Generation Date-Time of the message</xs:documentation>
    </xs:annotation>
   </xs:element>
   <xs:element name="AckRequest" minOccurs="0">
    <xs:annotation>
     <xs:documentation>Acknowledgement request</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="1" />
      <xs:enumeration value="1" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="TestIndicator" minOccurs="0">
    <xs:annotation>
     <xs:documentation>'1' = The interchange relates to a test
message</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="1" />
      <xs:enumeration value="1" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="MessageType">
    <xs:annotation>
     <xs:documentation>"250" CREW LIST, "745" PASSENGER LIST, "10" STOWAWAY
LIST</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="3" />
      <xs:enumeration value="250" />
      <xs:enumeration value="745" />
      <xs:enumeration value="10" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="MessageNo">
    <xs:annotation>
     <xs:documentation>Message reference number. This number shall be as unique as
possible, both for sender and for receiver.</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="35" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="MessageFunction">
    <xs:annotation>
```

```
      <xs:documentation>Function of message: '1' = cancellation message, '9' = new
message, (original), '5' = modification message, '22' = Final transmission (End of
voyage), '150' = Interruption of voyage, '151' = Restart of
voyage</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:integer">
       <xs:enumeration value="1" />
       <xs:enumeration value="5" />
       <xs:enumeration value="9" />
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="CommonDenominator">
     <xs:annotation>
      <xs:documentation>RefNo to group several msgs of same journey corresponds to
common access reference</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="35" />
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
   </xs:sequence>
  </xs:complexType>
  <xs:complexType name="VesselType">
   <xs:sequence>
    <xs:element name="VesselId">
     <xs:annotation>
      <xs:documentation>Vessel number: 7 digits for IMO indication or 8 digits for
unique European vessel identification number (ENI)</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:minLength value="7" />
       <xs:maxLength value="8" />
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="VesselIDType">
     <xs:annotation>
      <xs:documentation>'IMO' = an IMO-number, 'ENI' = a unique European vessel
identification number</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:length value="3" />
       <xs:enumeration value="OFS" />
       <xs:enumeration value="ERN" />
       <xs:enumeration value="IMO" />
       <xs:enumeration value="ENI" />
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
   </xs:sequence>
  </xs:complexType>
  <xs:complexType name="LocationType">
   <xs:sequence>
    <xs:element name="Locode">
     <xs:annotation>
      <xs:documentation>UNECE location code (Rec. 16)</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:length value="5" />
      </xs:restriction>
     </xs:simpleType>
```

```
   </xs:element>
   <xs:element name="LocationName" minOccurs="0">
    <xs:annotation>
     <xs:documentation>Full name of the location</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="35" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="ObjectCode" minOccurs="0">
    <xs:annotation>
     <xs:documentation>Terminal code</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="5" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="TerminalName" minOccurs="0">
    <xs:annotation>
     <xs:documentation>Full name of the terminal.</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="70" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="FairwaySectionCode" minOccurs="0">
    <xs:annotation>
     <xs:documentation>Fairway section code</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="5" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="FairwayHectometre" minOccurs="0">
    <xs:annotation>
     <xs:documentation>Fairway section hectometre</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="5" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
  </xs:sequence>
 </xs:complexType>
 <xs:complexType name="NameAddressType">
  <xs:sequence>
   <xs:element name="PartyFunction">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="3" />
      <xs:enumeration value="MS" />
      <xs:enumeration value="MR" />
      <xs:enumeration value="CG" />
      <xs:enumeration value="SF" />
      <xs:enumeration value="ST" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="PartyId" minOccurs="0">
```

```
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="35" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="PartyName">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="35" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="Street" minOccurs="0">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="35" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="City" minOccurs="0">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="35" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="PostalCode" minOccurs="0">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="9" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="Country" minOccurs="0">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:minLength value="2" />
      <xs:maxLength value="3" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
  </xs:sequence>
 </xs:complexType>
 <xs:complexType name="CommsContactType">
  <xs:sequence>
   <xs:element name="CommsNo">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="70" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="CommsChannel">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="3" />
      <xs:enumeration value="TE" />
      <xs:enumeration value="FX" />
      <xs:enumeration value="EM" />
      <xs:enumeration value="EI" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
  </xs:sequence>
 </xs:complexType>
 <xs:complexType name="TransportDimensionsType">
  <xs:sequence>
```

```
   <xs:element name="Length">
    <xs:annotation>
     <xs:documentation>Dims in cm</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:integer">
      <xs:minInclusive value="0" />
      <xs:maxInclusive value="99999" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="Width">
    <xs:simpleType>
     <xs:restriction base="xs:integer">
      <xs:minInclusive value="0" />
      <xs:maxInclusive value="9999" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="Draught">
    <xs:simpleType>
     <xs:restriction base="xs:integer">
      <xs:minInclusive value="0" />
      <xs:maxInclusive value="9999" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="Tonnage">
    <xs:simpleType>
     <xs:restriction base="xs:integer">
      <xs:minInclusive value="0" />
      <xs:maxInclusive value="99999" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="Airdraft" minOccurs="0">
    <xs:simpleType>
     <xs:restriction base="xs:integer">
      <xs:minInclusive value="0000" />
      <xs:maxInclusive value="9999" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
  </xs:sequence>
 </xs:complexType>
 <xs:complexType name="ContactType">
  <xs:sequence>
   <xs:element name="ContactInformation" minOccurs="0">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="35" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="CommsContact" type="CommsContactType" minOccurs="0"
maxOccurs="4" />
  </xs:sequence>
 </xs:complexType>
 <xs:complexType name="CrewRemarksType">
  <xs:sequence>
   <xs:element name="GeneralRemarks" minOccurs="0">
    <xs:annotation>
     <xs:documentation>Ship call information regarding embarkment of persons.
Generic information regarding ship call</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="17" />
```

```
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="LicensePlate" minOccurs="0">
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="512" />
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="Visitor" minOccurs="0">
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="512" />
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="CompanyName" minOccurs="0">
     <xs:annotation>
      <xs:documentation>Company name of service provider and other
data</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="512" />
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="ChildrenVisit" minOccurs="0">
     <xs:annotation>
      <xs:documentation>Names and visit duration of children</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="512" />
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
   </xs:sequence>
  </xs:complexType>
</xs:schema>
```

# *ANNEX 22 APPENDIX 1*
# *XML FORMAT OF ERIRSP MESSAGE, XSD FILE (SOURCE CODE)*

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- ============================================================================ -->
<!-- ERIRSP is the XML Response message based on the Aperak 98B edifact msg. -->
<!-- ============================================================================ -->
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
 xmlns="https://ris.cesni.eu/_assets/ERI-ERIRSP/1.5"
 targetNamespace="https://ris.cesni.eu/_assets/ERI-ERIRSP/1.5"
 elementFormDefault="qualified"
 attributeFormDefault="unqualified"
 version="1.5">
 <xs:element name="ERIRSP">
  <xs:annotation>
   <xs:documentation>ERI Response Message</xs:documentation>
  </xs:annotation>
  <xs:complexType>
   <xs:sequence>
    <xs:element name="MessageId" type="MessageIdType" />
    <xs:element name="EDIMapping">
     <xs:complexType>
      <xs:sequence>
       <xs:element name="Syntax" type="xs:string" />
       <xs:element name="SyntaxVersion" type="xs:string" />
       <xs:element name="MessageType" type="xs:string" />
       <xs:element name="MessageVersion" type="xs:string" />
       <xs:element name="MessageRelease" type="xs:string" />
       <xs:element name="MessageControllingAgency" type="xs:string" />
       <xs:element name="AssociationAssignedCode" type="xs:string" />
      </xs:sequence>
     </xs:complexType>
    </xs:element>
    <xs:element name="MessageDateTime" type="xs:dateTime" minOccurs="0" />
    <xs:element name="MessageRef" minOccurs="0">
     <xs:annotation>
      <xs:documentation>Reference number to previous message</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="35" />
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="TransportDocRef" minOccurs="0">
     <xs:annotation>
      <xs:documentation>Reference number of the transport
document</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="35" />
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="ErrorInformation" minOccurs="0">
     <xs:complexType>
      <xs:sequence>
       <xs:element name="ErrorCode">
        <xs:simpleType>
         <xs:restriction base="xs:string">
          <xs:maxLength value="8" />
         </xs:restriction>
        </xs:simpleType>
       </xs:element>
       <xs:element name="ErrorDescription" maxOccurs="5">
```

```
        <xs:simpleType>
         <xs:restriction base="xs:string">
          <xs:maxLength value="70" />
         </xs:restriction>
        </xs:simpleType>
       </xs:element>
      </xs:sequence>
     </xs:complexType>
    </xs:element>
    <xs:element name="NamesAddresses" maxOccurs="3">
     <xs:annotation>
      <xs:documentation>At least the Sender must be specified</xs:documentation>
     </xs:annotation>
     <xs:complexType>
      <xs:sequence>
       <xs:element name="NameAddress" type="NameAddressType" />
       <xs:element name="Contact" type="ContactType" minOccurs="0" />
      </xs:sequence>
     </xs:complexType>
    </xs:element>
   </xs:sequence>
   <xs:attribute name="VersionMajor" type="xs:integer" use="required" />
   <xs:attribute name="VersionMinor" type="xs:integer" use="required" />
  </xs:complexType>
 </xs:element>
 <xs:complexType name="MessageIdType">
  <xs:sequence>
   <xs:element name="SenderId">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="25" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="ReceiverId">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="25" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="GenerationDateTime" type="xs:dateTime" />
   <xs:element name="AckRequest" minOccurs="0">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="1" />
      <xs:enumeration value="1" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="TestIndicator" minOccurs="0">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="1" />
      <xs:enumeration value="1" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="MessageType">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="3" />
      <xs:enumeration value="VES" />
      <xs:enumeration value="CAR" />
      <xs:enumeration value="PAS" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
```

```
   <xs:element name="MessageNo">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="35" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="MessageFunction">
    <xs:simpleType>
     <xs:restriction base="xs:integer">
      <xs:enumeration value="9" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="CommonDenominator">
    <xs:annotation>
     <xs:documentation>RefNo to group several msgs of same journey (including other
types of ERI messages). Corresponds to common access reference</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="35" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="ResponseType">
    <xs:annotation>
     <xs:documentation>Approval or Rejection</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:length value="2" />
      <xs:enumeration value="AP" />
      <xs:enumeration value="RE" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
  </xs:sequence>
 </xs:complexType>
 <xs:complexType name="NameAddressType">
  <xs:sequence>
   <xs:element name="PartyFunction">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="3" />
      <xs:enumeration value="MS" />
      <xs:enumeration value="MR" />
      <xs:enumeration value="CG" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="PartyId" minOccurs="0">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="35" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="PartyName">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="35" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="Street" minOccurs="0">
    <xs:simpleType>
     <xs:restriction base="xs:string">
```

```
      <xs:maxLength value="35" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="City" minOccurs="0">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="35" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="PostalCode" minOccurs="0">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="9" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="Country" minOccurs="0">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:minLength value="2" />
      <xs:maxLength value="3" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="InvoiceNumber" minOccurs="0">
    <xs:annotation>
     <xs:documentation>Admin reference number of party</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="35" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
  </xs:sequence>
 </xs:complexType>
 <xs:complexType name="ContactType">
  <xs:sequence>
   <xs:element name="ContactInformation" minOccurs="0">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="35" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="CommsContact" type="CommsContactType" minOccurs="0"
maxOccurs="4" />
  </xs:sequence>
 </xs:complexType>
 <xs:complexType name="CommsContactType">
  <xs:sequence>
   <xs:element name="CommsNo">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="70" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="CommsChannel">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="3" />
      <xs:enumeration value="TE" />
      <xs:enumeration value="FX" />
      <xs:enumeration value="EM" />
      <xs:enumeration value="EI" />
```

```
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
   </xs:sequence>
  </xs:complexType>
</xs:schema>
```

# *ANNEX 24 APPENDIX 1*
# *XML FORMAT OF ERIVOY MESSAGE, XSD FILE (SOURCE CODE)*

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- ================================================================================== --
>
<!-- ERIVOY is the XML Route planning message for inland waterway transportation --
>
<!-- ================================================================================== --
>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
 xmlns="https://ris.cesni.eu/_assets/ERI-ERIVOY/1.5"
 targetNamespace="https://ris.cesni.eu/_assets/ERI-ERIVOY/1.5"
 elementFormDefault="qualified"
 attributeFormDefault="unqualified"
 version="1.5">
 <xs:element name="ERIVOY">
  <xs:annotation>
   <xs:documentation>ERI Voyage message</xs:documentation>
  </xs:annotation>
  <xs:complexType>
   <xs:sequence>
    <xs:element name="MessageId" type="MessageIdType" />
    <xs:element name="PrivacyStatement" minOccurs="0">
     <xs:annotation>
      <xs:documentation>Indicate if this message may be forwarded to other
authorities</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:length value="1" />
       <xs:enumeration value="Y" />
       <xs:enumeration value="N" />
      </xs:restriction>
     </xs:simpleType>
    </xs:element>
    <xs:element name="MessageRef" minOccurs="0">
     <xs:annotation>
      <xs:documentation>Reference number to previous message</xs:documentation>
     </xs:annotation>
     <xs:simpleType>
      <xs:restriction base="xs:string">
       <xs:maxLength value="35" />
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     </xs:simpleType>
    </xs:element>
    <xs:element name="VoyageInformation">
     <xs:complexType>
      <xs:sequence>
       <xs:element name="DocumentIssueDate" type="xs:dateTime" />
       <xs:element name="SafetyExplanation" minOccurs="0">
        <xs:complexType>
         <xs:sequence>
          <xs:element name="Signalling" minOccurs="0">
           <xs:annotation>
            <xs:documentation>Number of blue cones</xs:documentation>
           </xs:annotation>
           <xs:simpleType>
            <xs:restriction base="xs:string">
             <xs:length value="1" />
             <xs:enumeration value="0" />
             <xs:enumeration value="1" />
             <xs:enumeration value="2" />
             <xs:enumeration value="3" />
             <xs:enumeration value="B" />
             <xs:enumeration value="V" />
```

```
            </xs:restriction>
           </xs:simpleType>
          </xs:element>
          <xs:element name="PersonsOnBoard" minOccurs="0">
           <xs:annotation>
            <xs:documentation>Total number of persons on board. Crew and
Pax.</xs:documentation>
           </xs:annotation>
           <xs:simpleType>
            <xs:restriction base="xs:integer">
             <xs:minInclusive value="0000" />
             <xs:maxInclusive value="9999" />
            </xs:restriction>
           </xs:simpleType>
          </xs:element>
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           </xs:simpleType>
          </xs:element>
          <xs:element name="PersonsInTransit" minOccurs="0">
           <xs:simpleType>
            <xs:restriction base="xs:integer">
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            </xs:restriction>
           </xs:simpleType>
          </xs:element>
         </xs:sequence>
        </xs:complexType>
       </xs:element>
       <!-- V0.5 Removed maxOccurs of 4 - Only one status of a voyage can be given
at a time. -->
       <xs:element name="RoutingInformation" minOccurs="0">
        <xs:annotation>
         <xs:documentation>General information on the voyage of the vessel and the
status of the vessel.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
         <xs:sequence>
          <xs:element name="StatusCode">
           <xs:simpleType>
            <xs:restriction base="xs:string">
             <xs:enumeration value="PLA">
              <xs:annotation>
               <xs:documentation>Planned</xs:documentation>
              </xs:annotation>
             </xs:enumeration>
             <xs:enumeration value="NAV">
              <xs:annotation>
               <xs:documentation>Navigating / underway</xs:documentation>
              </xs:annotation>
             </xs:enumeration>
             <xs:enumeration value="CAN">
              <xs:annotation>
               <xs:documentation>Cancelled because of a change in
schedule</xs:documentation>
              </xs:annotation>
             </xs:enumeration>
             <xs:enumeration value="MOO">
              <xs:annotation>
               <xs:documentation>Moored</xs:documentation>
              </xs:annotation>
             </xs:enumeration>
             <xs:enumeration value="ARR">
```

```
              <xs:annotation>
               <xs:documentation>Arrived</xs:documentation>
              </xs:annotation>
             </xs:enumeration>
            </xs:restriction>
           </xs:simpleType>
          </xs:element>
          <xs:element name="GeneralInformation" minOccurs="0">
           <xs:annotation>
            <xs:documentation>General information concerning the
voyage.</xs:documentation>
           </xs:annotation>
           <xs:simpleType>
            <xs:restriction base="xs:string">
             <xs:maxLength value="512" />
            </xs:restriction>
           </xs:simpleType>
          </xs:element>
          <xs:element name="AdditionalInformation" minOccurs="0">
           <xs:annotation>
            <xs:documentation>Additional information, in case the following format
is used : DD:HH (e.g. 02:23 means 2 days and 23 hours active sailing
time)</xs:documentation>
           </xs:annotation>
           <xs:simpleType>
            <xs:restriction base="xs:string">
             <xs:maxLength value="512" />
            </xs:restriction>
           </xs:simpleType>
          </xs:element>
         </xs:sequence>
        </xs:complexType>
       </xs:element>
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         <xs:sequence>
          <xs:element name="Subject" maxOccurs="5">
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            <xs:sequence>
             <xs:element name="InformationCode1" minOccurs="0">
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               <xs:restriction base="xs:string">
                <xs:enumeration value="DGN" />
                <xs:enumeration value="ACB" />
                <xs:enumeration value="DGY" />
                <xs:enumeration value="NCC" />
               </xs:restriction>
              </xs:simpleType>
             </xs:element>
             <xs:element name="InformationCode2" minOccurs="0">
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               <xs:restriction base="xs:string">
                <xs:enumeration value="CGS" />
                <xs:enumeration value="0" />
                <xs:enumeration value="1" />
                <xs:enumeration value="2" />
                <xs:enumeration value="3" />
                <xs:enumeration value="V" />
                <xs:enumeration value="B" />
                <xs:enumeration value="WEX" />
               </xs:restriction>
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             </xs:element>
             <xs:element name="AdditionalInformation" minOccurs="0">
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               </xs:restriction>
```

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              </xs:simpleType>
             </xs:element>
            </xs:sequence>
            <xs:attribute name="SubjectIndicator">
             <xs:simpleType>
              <xs:restriction base="xs:string">
               <xs:enumeration value="ACB" />
               <xs:enumeration value="HAZ" />
               <xs:enumeration value="AAA" />
               <xs:enumeration value="WAS" />
               <xs:enumeration value="NON" />
              </xs:restriction>
             </xs:simpleType>
            </xs:attribute>
           </xs:complexType>
          </xs:element>
         </xs:sequence>
        </xs:complexType>
       </xs:element>
       <xs:element name="NavigationRegime" minOccurs="0">
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         <xs:sequence>
          <xs:element name="ActivePeriod" type="xs:string" minOccurs="0" />
          <xs:element name="SailingRegime" minOccurs="0">
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            <xs:restriction base="xs:string">
             <xs:enumeration value="A1" />
             <xs:enumeration value="A2" />
             <xs:enumeration value="B" />
            </xs:restriction>
           </xs:simpleType>
          </xs:element>
          <xs:element name="NonWorkingDays" type="xs:string" minOccurs="0">
           <xs:annotation>
            <xs:documentation>List of non working days for the vessel. List of
possible values: MO,TU,WE,TH,FR,SA,SU. Multiple values are separated by - Example:
MO-DI-WE</xs:documentation>
           </xs:annotation>
          </xs:element>
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        </xs:complexType>
       </xs:element>
      </xs:sequence>
     </xs:complexType>
    </xs:element>
    <xs:element name="TestScenarioRef" minOccurs="0">
     <xs:annotation>
      <xs:documentation>Needs to be filled in if the messages belongs to a
test.</xs:documentation>
     </xs:annotation>
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    </xs:element>
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      <xs:sequence>
       <xs:element name="TransportDetails">
        <xs:complexType>
         <xs:sequence>
          <xs:element name="VoyageNo">
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            </xs:restriction>
           </xs:simpleType>
```

```
          </xs:element>
          <xs:element name="TransportMode">
           <xs:simpleType>
            <xs:restriction base="xs:string">
             <xs:length value="1" />
             <xs:enumeration value="1" />
             <xs:enumeration value="8" />
            </xs:restriction>
           </xs:simpleType>
          </xs:element>
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            <xs:restriction base="xs:string">
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            </xs:restriction>
           </xs:simpleType>
          </xs:element>
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          <xs:element name="VesselName">
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            <xs:restriction base="xs:string">
             <xs:maxLength value="35" />
            </xs:restriction>
           </xs:simpleType>
          </xs:element>
          <!-- V0.5 Nationality is not always known -->
          <xs:element name="Nationality" minOccurs="0">
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            <xs:restriction base="xs:string">
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             <xs:maxLength value="3" />
            </xs:restriction>
           </xs:simpleType>
          </xs:element>
         </xs:sequence>
        </xs:complexType>
       </xs:element>
       <xs:element name="TransportDimensions" type="TransportDimensionsType"
minOccurs="0" />
       <!-- v0.5 Restructured this type to work with RoutePointTypes which consists
of ISRS code and timing information.-->
       <xs:element name="TransportLocations">
        <xs:complexType>
         <xs:sequence>
          <xs:element name="PlaceOfDeparture" type="RoutePointType" />
          <xs:element name="RoutePoint" type="RoutePointType" minOccurs="0"
maxOccurs="999">
           <xs:annotation>
            <xs:documentation>List of route points to make the voyage route
unambigously. This should consist of important nodes, bridges and locks. The
sequence order should be chronological.</xs:documentation>
           </xs:annotation>
          </xs:element>
          <xs:element name="PortOfDestination" type="RoutePointType" />
         </xs:sequence>
        </xs:complexType>
       </xs:element>
      </xs:sequence>
     </xs:complexType>
    </xs:element>
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      <xs:sequence>
       <xs:element name="MessageSender" type="NameAddressType" minOccurs="0" />
       <xs:element name="CarriersAgent" type="NameAddressType" minOccurs="0" />
       <xs:element name="VesselCaptain" type="NameAddressType" minOccurs="0" />
       <xs:element name="AuthorisedOfficial" type="NameAddressType" minOccurs="0"
/>
```

```
      </xs:sequence>
     </xs:complexType>
    </xs:element>
    <xs:element name="Barges">
     <xs:complexType>
      <xs:sequence>
       <xs:element name="Barge" maxOccurs="19">
        <xs:complexType>
         <xs:sequence>
          <xs:element name="BargeId" type="VesselType" />
          <xs:element name="BargeType">
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            <xs:restriction base="xs:string">
             <xs:maxLength value="4" />
            </xs:restriction>
           </xs:simpleType>
          </xs:element>
          <xs:element name="BargeName">
           <xs:simpleType>
            <xs:restriction base="xs:string">
             <xs:maxLength value="35" />
            </xs:restriction>
           </xs:simpleType>
          </xs:element>
          <xs:element name="EquipmentType">
           <xs:simpleType>
            <xs:restriction base="xs:string">
             <xs:maxLength value="3" />
             <xs:enumeration value="BRY" />
             <xs:enumeration value="BRN" />
            </xs:restriction>
           </xs:simpleType>
          </xs:element>
          <xs:element name="BargeDimensions" type="TransportDimensionsType"
minOccurs="0">
           <xs:annotation>
            <xs:documentation>Dimensions of the individual barge</xs:documentation>
           </xs:annotation>
          </xs:element>
         </xs:sequence>
        </xs:complexType>
       </xs:element>
      </xs:sequence>
     </xs:complexType>
    </xs:element>
   </xs:sequence>
   <xs:attribute name="VersionMajor" type="xs:integer" use="required" />
   <xs:attribute name="VersionMinor" type="xs:integer" use="required" />
  </xs:complexType>
 </xs:element>
 <xs:complexType name="MessageIdType">
  <xs:sequence>
   <xs:element name="SenderId">
    <xs:annotation>
     <xs:documentation>Sender identification</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="25" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="ReceiverId">
    <xs:annotation>
     <xs:documentation>Recipient identification</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
```

```
      <xs:maxLength value="25" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="GenerationDateTime" type="xs:dateTime">
    <xs:annotation>
     <xs:documentation>Generation Date-Time of the message</xs:documentation>
    </xs:annotation>
   </xs:element>
   <xs:element name="AckRequest" minOccurs="0">
    <xs:annotation>
     <xs:documentation>Acknowledgement request</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="1" />
      <xs:enumeration value="1" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="TestIndicator" minOccurs="0">
    <xs:annotation>
     <xs:documentation>'1' = The interchange relates to a test
message</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="1" />
      <xs:enumeration value="1" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="MessageType">
    <xs:annotation>
     <xs:documentation>BGM/C002/1001</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="3" />
      <xs:enumeration value="404" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="MessageNo">
    <xs:annotation>
     <xs:documentation>Message reference number. This number shall be as unique as
possible, both for sender and for receiver.</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="35" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="MessageFunction">
    <xs:annotation>
     <xs:documentation>1 = Cancellation 9 = new message 5 = Modification message by
replacement 8=statusupdate</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:integer">
      <xs:enumeration value="1" />
      <xs:enumeration value="5" />
      <xs:enumeration value="8" />
      <xs:enumeration value="9" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
```

```
   <xs:element name="CommonDenominator">
    <xs:annotation>
     <xs:documentation>RefNo to group several msgs of same journey (including other
types of ERI messages). Corresponds to common access reference</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:maxLength value="35" />
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    </xs:simpleType>
   </xs:element>
  </xs:sequence>
 </xs:complexType>
 <xs:complexType name="VesselType">
  <xs:sequence>
   <xs:element name="VesselId">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:minLength value="7" />
      <xs:maxLength value="14" />
      <!-- v0.5 Changed from 8 to 14 for HIN number support -->
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="VesselIDType">
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:length value="3" />
      <xs:enumeration value="IMO" />
      <xs:enumeration value="ENI" />
      <xs:enumeration value="HIN" />
      <!-- v0.5 Used for identification of recreational vessels -->
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <!-- v0.5 Added MMSI number of sailing vessel to improve mapping of information.
-->
   <xs:element name="MMSI" minOccurs="0">
    <xs:annotation>
     <xs:documentation>It is usefull to include the MMSI number of the sailing
vessel to ease the mapping of ERI messages with AIS track
information.</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:length value="9" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
  </xs:sequence>
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  <xs:sequence>
   <xs:element name="PartyId" minOccurs="0">
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    </xs:simpleType>
   </xs:element>
   <xs:element name="PartyName">
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     <xs:restriction base="xs:string">
      <xs:maxLength value="35" />
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   <xs:element name="Street" minOccurs="0">
```

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   </xs:element>
   <xs:element name="Contact" type="ContactType" minOccurs="0" />
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      <xs:enumeration value="FX" />
      <xs:enumeration value="EM" />
      <xs:enumeration value="EI" />
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  </xs:sequence>
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 <xs:complexType name="TransportDimensionsType">
  <xs:sequence>
   <xs:element name="GrossTonnage" minOccurs="0">
    <xs:complexType>
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      <xs:extension base="xs:decimal">
       <xs:attribute name="UnitQualifier">
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         <xs:restriction base="xs:string">
          <xs:enumeration value="TNE" />
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       </xs:attribute>
      </xs:extension>
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```

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 </xs:complexType>
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       <xs:enumeration value="MTR" />
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    </xs:attribute>
   </xs:extension>
  </xs:simpleContent>
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    <xs:attribute name="UnitQualifier">
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       <xs:enumeration value="CMT" />
       <xs:enumeration value="MTR" />
      </xs:restriction>
     </xs:simpleType>
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   </xs:extension>
  </xs:simpleContent>
 </xs:complexType>
</xs:element>
<xs:element name="Airdraft" minOccurs="0">
 <xs:complexType>
  <xs:simpleContent>
```

```
      <xs:extension base="xs:decimal">
       <xs:attribute name="UnitQualifier">
        <xs:simpleType>
         <xs:restriction base="xs:string">
          <xs:enumeration value="CMT" />
          <xs:enumeration value="MTR" />
         </xs:restriction>
        </xs:simpleType>
       </xs:attribute>
      </xs:extension>
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    </xs:complexType>
   </xs:element>
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          <xs:enumeration value="KNO" />
          <xs:enumeration value="KMU" />
         </xs:restriction>
        </xs:simpleType>
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   </xs:element>
  </xs:sequence>
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  <xs:sequence>
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      <xs:maxLength value="35" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="CommsContact" type="CommsContactType" minOccurs="0"
maxOccurs="4" />
  </xs:sequence>
 </xs:complexType>
 <!-- V0.5 new type RoutePointType-->
 <xs:complexType name="RoutePointType">
  <xs:annotation>
   <xs:documentation>Point information using ISRS codes from the RIS Index. Timing
information is given by filling in ETD, ATD, ETA, ATA. ETD and ATD is not required
for waypoints.</xs:documentation>
  </xs:annotation>
  <xs:sequence>
   <xs:element name="ISRS">
    <xs:annotation>
     <xs:documentation>ISRS code (unique identifier for a location) as known in the
combined RIS-Indexes</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:length value="20" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="ETD" type="xs:dateTime" minOccurs="0">
    <xs:annotation>
     <xs:documentation>Estimated time of Departure (UTC)</xs:documentation>
    </xs:annotation>
   </xs:element>
```

```
   <xs:element name="ETA" type="xs:dateTime" minOccurs="0">
    <xs:annotation>
     <xs:documentation>Estimated time of Arrival (UTC)</xs:documentation>
    </xs:annotation>
   </xs:element>
   <xs:element name="ATD" type="xs:dateTime" minOccurs="0">
    <xs:annotation>
     <xs:documentation>Actual time of Departure (UTC)</xs:documentation>
    </xs:annotation>
   </xs:element>
   <xs:element name="ATA" type="xs:dateTime" minOccurs="0">
    <xs:annotation>
     <xs:documentation>Actual time of Arrival (UTC)</xs:documentation>
    </xs:annotation>
   </xs:element>
   <xs:element name="Activity" minOccurs="0">
    <xs:annotation>
     <xs:documentation>1: Cargo operations (Discharging and/or loading of cargo.),
2: Passenger movement (Embarking and/or disembarking of passengers.), 3: Taking
bunkers (Taking bunker (refuelling).), 4: Changing crew (Changing crew member(s).),
5: Goodwill visit (Friendly visit.), 6: Taking supplies (Taking supplies.), 7:
Repair (To effect repair.), 8: Laid-up (Inactive service.), 9: Awaiting orders
(Awaiting job order.), 10: Miscellaneous (Miscellaneous purpose of call.), 11: Crew
movement (Embarking and/or disembarking of crews.), 12: Cruise), leisure and
recreation (To visit a port for cruise), leisure and recreation.), 13: Under
government order (This is a visit to a port which has been ordered by
(government.), 14: Quarantine inspection (To have a quarantine inspection.), 15:
Refuge (To seek protection against something unpleasant and/or (threatening such as
bad weather or danger.), 16: Unloading cargo (Discharging of cargo from the means
of transport.), 17: Loading cargo (Loading of cargo onto the means of transport.),
18: Repair in dry dock (Vessel to undergo repair in a dry dock.), 19: Repair in wet
dock (Repair of a vessel in a dock without removing the (surrounding water.), 20:
Cargo tank cleaning (Cargo tanks of the means of transport will be cleaned.), 21:
Means of transport customs clearance (Means of transport will be customs cleared.),
22: De-gassing (Means of transport will be de-gassed.), 23: Waste disposal (Means
of transport will dispose waste.), 24: Resting (Resting for a certain period), 25:
Vessel inspection (Vessel will stop for general inspection), 26: Cargo inspection
(Vessel will stop for cargo inspection), 27: Border crossing (Vessel will cross a
border)</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:integer">
      <xs:enumeration value="1" />
      <xs:enumeration value="2" />
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      <xs:enumeration value="26" />
```

```
      <xs:enumeration value="27" />
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
   <xs:element name="OperationPeriod" type="xs:duration" minOccurs="0">
    <xs:annotation>
     <xs:documentation>Activity period date range (In case a period of time needs
to be given e.g. lockplanning)</xs:documentation>
    </xs:annotation>
   </xs:element>
   <xs:element name="OnDemand" minOccurs="0">
    <xs:annotation>
     <xs:documentation>In case status on demand is applicable (In case bridges
and/or locks are not always manned. )</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
     <xs:restriction base="xs:string">
      <xs:length value="1" />
      <xs:enumeration value="1">
       <xs:annotation>
        <xs:documentation>all (passing anyway regardless of the
costs)</xs:documentation>
       </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="2">
       <xs:annotation>
        <xs:documentation>all free(Passing only if no costs)</xs:documentation>
       </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="3">
       <xs:annotation>
        <xs:documentation>normal only(Passing whenever possible)</xs:documentation>
       </xs:annotation>
      </xs:enumeration>
     </xs:restriction>
    </xs:simpleType>
   </xs:element>
  </xs:sequence>
 </xs:complexType>
</xs:schema>
```