# ANNEX 12, APPENDIX 1
# XML EDITION OF ERINOT, XSD FILE (SOURCE CODE)

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!--
================================================================================
============== -->
<!-- ERINOT is the XML Voyage & Cargo Notification message based on the IFTDGN98B
PROT1.0 edifact msg. -->
<!--
================================================================================
============== -->
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
   xmlns="https://ris.cesni.eu/_assets/ERI-ERINOT/1.3"
   targetNamespace="https://ris.cesni.eu/_assets/ERI-ERINOT/1.3"
   elementFormDefault="qualified" attributeFormDefault="unqualified"
   version="1.3">
   <xs:element name="ERINOT">
      <xs:annotation>
         <xs:documentation>ERI Notification Message bases the EDIFACT ERINOT
1.3</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 Releae</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>
```

```xml
                    <xs:documentation>'ERI13', ERI Version
1.3</xs:documentation>
                </xs:annotation>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="SafetyExplanation" minOccurs="0">
    <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: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>
```

```xml
                    <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>
```

```xml
                          </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: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="Nationality">
                          <xs:annotation>
                            <xs:documentation>Nationality of means of
transport</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="PoweredByLNG" type="xs:boolean"
minOccurs="0">
                          <xs:annotation>
                            <xs:documentation>LNG installation
indicator</xs:documentation>
                          </xs:annotation>
                        </xs:element>
                      </xs:sequence>
                      <xs:attribute name="StageQualifier" type="xs:string"
use="required" fixed="20" />
                    </xs:complexType>
                  </xs:element>
```

```xml
                    <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>
```

```xml
                        <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>
```

```xml
                                      </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: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" />
```

```xml
                                <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>
```

```xml
                                </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">
```

```xml
                                        <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>HS
code</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
```

```xml
                                        <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>
                                        <xs:restriction
base="xs:string">
                                            <xs:maxLength value="70"
/>
                                        </xs:restriction>
                                    </xs:simpleType>
                                </xs:element>
                                <xs:element name="NSTCode"
minOccurs="0">
                                    <xs:annotation>
                                        <xs:documentation>NST code
of the non-dangerous cargo</xs:documentation>
                                    </xs:annotation>
                                    <xs:simpleType>
                                        <xs:restriction
base="xs:string">
                                            <xs:minLength value="2" />
                                            <xs:maxLength value="6" />
                                        </xs:restriction>
                                    </xs:simpleType>
                                </xs:element>
```

```xml
                                            <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="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>
```

```xml
                                        <xs:element
name="AdditionalClassification" minOccurs="0">
                                          <xs:simpleType>
                                            <xs:restriction
base="xs:string">
                                              <xs:maxLength
value="7" />
                                            </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>
```

```xml
                                                        <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>
                                                        </xs:element>
                                                        <xs:element
name="HazardPlacard" minOccurs="0">
                                                            <xs:complexType>
                                                                <xs:sequence>
                                                                    <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>
                                                                    </xs:element>
                                                                </xs:sequence>
                                                            </xs:complexType>
                                                        </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>
```

```xml
                                                    <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
Stowageloctaion 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>
```

```xml
                                 </xs:complexType>
                              </xs:element>
                           </xs:sequence>
                        </xs:complexType>
                     </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">
```

```xml
            <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" minOccurs="0">
            <xs:annotation>
                <xs:documentation>RefNo to group several messages of same journey
(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>
```

```xml
            <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' for an IMO-number,
'ENI' for a 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: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="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>
```

```xml
                <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' for message sender
'MR' for message receiver
'CG' for agent/invoice address
'SF' for sender address (cargo),
'ST' for 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">
            <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>
```

```xml
            </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="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' for telephone number
'FX' for fax number
'EM' for email address
'EI' for 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>Dims in cm</xs:documentation>
      </xs:annotation>
      <xs:sequence>
```

```xml
        <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">
```

```xml
                <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: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>
```

```xml
          </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: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 13, APPENDIX 1
## PAXLST MESSAGE IN XML FORMAT, XSD FILE (SOURCE CODE)

```xml
<?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/1.3"
   targetNamespace="https://ris.cesni.eu/_assets/ERI-PAXLST/1.3"
   elementFormDefault="qualified" attributeFormDefault="unqualified"
   version="1.3">
   <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>
```

```xml
                </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>
```

```xml
        </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>
```

```xml
          </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>
```

```xml
                        <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>
```

```xml
                                    <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>
```

```xml
                            <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
```

```xml
"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>
```

```xml
          </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>
```

```xml
          </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>
```

```xml
<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>
```

```xml
        </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 14, APPENDIX 1
## XML FORMAT OF ERIRSP MESSAGE, XSD FILE (SOURCE CODE)

```xml
<?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/1.3"
   targetNamespace="https://ris.cesni.eu/_assets/ERI-ERIRSP/1.3"
   elementFormDefault="qualified" attributeFormDefault="unqualified"
   version="1.3">
   <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:simpleType>
                  <xs:restriction base="xs:string">
                     <xs:maxLength value="35" />
                  </xs:restriction>
               </xs:simpleType>
            </xs:element>
            <xs:element name="TransportRef" minOccurs="0">
               <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>
```

```xml
        <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">
```

```xml
        <xs:simpleType>
          <xs:restriction base="xs:integer">
            <xs:enumeration value="9" />
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="CommonDenominator" minOccurs="0">
        <xs:annotation>
          <xs:documentation>RefNo to group several msgs of same
journey</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" />
```

```xml
            </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 16, APPENDIX 1
# XML FORMAT OF ERIVOY MESSAGE, XSD FILE (SOURCE CODE)

```xml
<?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/1.3"
    targetNamespace="https://ris.cesni.eu/_assets/ERI-ERIVOY/1.3"
    elementFormDefault="qualified" attributeFormDefault="unqualified"
    version="1.3">
    <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" />
                        </xs:restriction>
                    </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" />
```

```xml
                                    </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>
                            <xs:element name="AnimalsOnBoard" minOccurs="0">
                                <xs:simpleType>
                                    <xs:restriction base="xs:integer">
                                        <xs:minInclusive value="0000" />
                                        <xs:maxInclusive value="9999" />
                                    </xs:restriction>
                                </xs:simpleType>
                            </xs:element>
                            <xs:element name="PersonsInTransit" 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: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>
```

```xml
                    <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
                                UND 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>
<xs:element name="CargoInformation" minOccurs="0">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="Subject" maxOccurs="5">
                <xs:complexType>
                    <xs:sequence>
                        <xs:element name="InformationCode1"
minOccurs="0">
                            <xs:simpleType>
                                <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">
                            <xs:simpleType>
                                <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>
                            </xs:simpleType>
```

```xml
                                              </xs:element>
                                              <xs:element name="AdditionalInformation"
minOccurs="0">
                                                  <xs:simpleType>
                                                      <xs:restriction base="xs:string">
                                                          <xs:maxLength value="512" />
                                                      </xs:restriction>
                                                  </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">
                          <xs:complexType>
                              <xs:sequence>
                                  <xs:element name="ActivePeriod" type="xs:string"
minOccurs="0" />
                                  <xs:element name="SailingRegime" minOccurs="0">
                                      <xs:simpleType>
                                          <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
                                                  seperated by - Example: MO-DI-
WE</xs:documentation>
                                      </xs:annotation>
                                  </xs:element>
                              </xs:sequence>
                          </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>
              <xs:simpleType>
                  <xs:restriction base="xs:string">
                      <xs:maxLength value="35" />
                  </xs:restriction>
              </xs:simpleType>
          </xs:element>
```

```xml
<xs:element name="Transport">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="TransportDetails">
                <xs:complexType>
                    <xs:sequence>
                        <xs:element name="VoyageNo">
                            <xs:simpleType>
                                <xs:restriction base="xs:string">
                                    <xs:maxLength value="17" />
                                </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>
                        <xs:element name="TransportMeans">
                            <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:simpleType>
                                <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">
                            <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: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" />
```

```xml
                    </xs:sequence>
                  </xs:complexType>
                </xs:element>
              </xs:sequence>
            </xs:complexType>
          </xs:element>
          <xs:element name="NameAddress">
            <xs:complexType>
              <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">
                        <xs:simpleType>
                          <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>
```

```xml
  <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>
```

```xml
                <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" />
                </xs:restriction>
            </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>
```

```xml
        </xs:element>
      </xs:sequence>
    </xs:complexType>
    <xs:complexType name="NameAddressType">
      <xs:sequence>
        <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="Contact" type="ContactType" minOccurs="0" />
      </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" />
```

```xml
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
    <xs:complexType name="TransportDimensionsType">
        <xs:sequence>
          <xs:element name="GrossTonnage" 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="TNE" />
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:attribute>
                </xs:extension>
              </xs:simpleContent>
            </xs:complexType>
          </xs:element>
          <xs:element name="NettoTonnage" 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="TNE" />
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:attribute>
                </xs:extension>
              </xs:simpleContent>
            </xs:complexType>
          </xs:element>
          <xs:element name="Length" 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>
              </xs:simpleContent>
            </xs:complexType>
          </xs:element>
          <xs:element name="Width" 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>
              </xs:simpleContent>
            </xs:complexType>
```

```xml
            </xs:element>
            <xs:element name="Draught" 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>
                  </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>
                  </xs:simpleContent>
               </xs:complexType>
            </xs:element>
            <xs:element name="AverageSpeed" 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="KNO" />
                                 <xs:enumeration value="KMU" />
                              </xs:restriction>
                           </xs:simpleType>
                        </xs:attribute>
                     </xs:extension>
                  </xs:simpleContent>
               </xs:complexType>
            </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>
      <!-- V0.5 new type RoutePointType-->
      <xs:complexType name="RoutePointType">
         <xs:annotation>
```

```xml
            <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" />
                        <xs:enumeration value="3" />
                        <xs:enumeration value="4" />
                        <xs:enumeration value="5" />
```

```xml
                        <xs:enumeration value="6" />
                        <xs:enumeration value="7" />
                        <xs:enumeration value="8" />
                        <xs:enumeration value="9" />
                        <xs:enumeration value="10" />
                        <xs:enumeration value="11" />
                        <xs:enumeration value="12" />
                        <xs:enumeration value="13" />
                        <xs:enumeration value="14" />
                        <xs:enumeration value="15" />
                        <xs:enumeration value="16" />
                        <xs:enumeration value="17" />
                        <xs:enumeration value="18" />
                        <xs:enumeration value="19" />
                        <xs:enumeration value="20" />
                        <xs:enumeration value="21" />
                        <xs:enumeration value="22" />
                        <xs:enumeration value="23" />
                        <xs:enumeration value="24" />
                        <xs:enumeration value="25" />
                        <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>
```