



# Documentation eBalie XML Specification of the EBADEC message

*User Guide for eBalie users  
Port of Antwerp & Port of Zeebrugge*

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## 1 General

### 1.1 Description

The eBalie XML message, EBADEC, is wrapped in a technical (SOAP) envelope which is necessary to route the message through the Descartes Global Logistics Network (GLN).

The root element is named "Envelope" and contains a "Header" and a "Body".

- The "Header" holds all technical routing information such as sender and receiver.
- The "Body" holds the actual "eBalie" message.

Note: XML is case sensitive, so the tags should be used exactly as defined in this document. Also extra tabs or spaces between the tags can be inserted for better (human) reading. This should have no negative effect on the ability to read the file.

### 1.2 XSD, top level

The XSD at the top level is presented in figure 1, below.

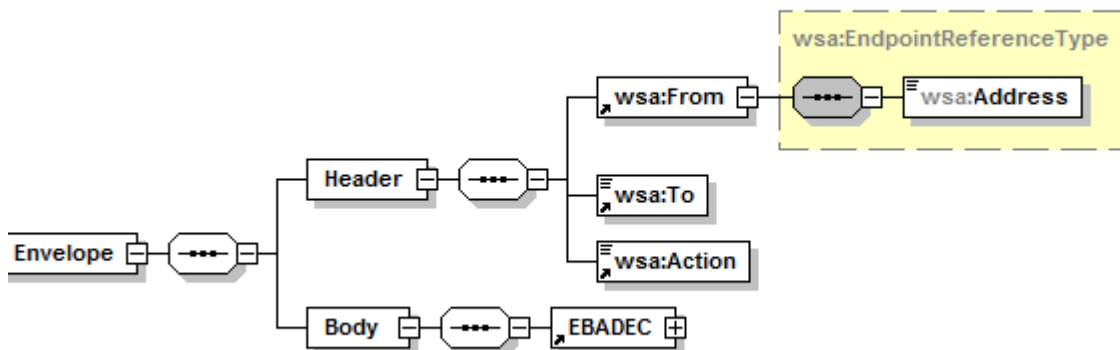


Fig. 1. Diagram eBalie - Top level

## 2 SOAP Header

Please check the general documentation of the GLN headers on <https://www.myvan.descartes.com/docs/WSAddressingForMyVan.pdf>.

### 2.1 Field description

This description is based on the messages that are sent to the port. For the response messages the "from" and "to" addresses need to be reversed.

<b>Element Name:</b>	<b>wsa:From/wsa:Address</b>		
<b>Description:</b>	Reference of the endpoint where the message originated from. The information in this element holds the unique identification of the customer sending the message. Descartes has chosen to use the DUNS number, which is a global unique identification number for every company.		
<b>xPath:</b>	/Envelope/Header/wsa:From/wsa:Address		
<b>Occurrence:</b>	Minimum: 1	Maximum: 1	<b>Mandatory</b>
<b>Length:</b>	Minimum: 1	Maximum: 127	<i>endpoint-ref</i>
<b>Value:</b>	Variable		

<b>Element Name:</b>	<b>wsa:To</b>		
<b>Description:</b>	The address of the intended receiver of this message. Descartes has chosen to use the DUNS number, which is a global unique identification number for every company. For APCS the number 370859360 is used.		
<b>xPath:</b>	/Envelope/Header/wsa:To		
<b>Occurrence:</b>	Minimum: 1	Maximum: 1	<b>Mandatory</b>
<b>Length:</b>	Minimum: 1	Maximum: 127	<i>xsd:anyURI</i>
<b>Value:</b>	Variable		

<b>Element Name:</b>	<b>wsa:Action</b>		
<b>Description:</b>	<p>An identifier that uniquely (and opaquely) identifies the semantics implied by this message. This doesn't refer to the exact data format. Following types are used:</p> <ul style="list-style-type: none"> <li>IFTMCA: this is the type for the message that is sent from the forwarder, shipper, Customs representative or other party to the port. IFTMCA is the EDIFACT message tag for "consignment advice message"</li> <li>APERAK: functional acknowledgment</li> <li>CONTRL: technical acknowledgment (not used for APCS)</li> <li>IFTSTA: status event message</li> </ul>		
<b>xPath:</b>	/Envelope/Header/wsa:Action		

<b>Occurrence:</b>	Minimum: 1	Maximum: 1	<b>Mandatory</b>
<b>Length:</b>	Minimum: 1	Maximum: 127	<i>xsd:anyURI</i>
<b>Value:</b>	Constant: "IFTMCA", "APERAK", "CONTRL" or "IFTSTA"		

<b>Element Name:</b>	<b>Ebi:MessageNumber</b>		
<b>Description:</b>	ebi:MessageNumber contains the sequence number as an long integer for the interactions between the two parties identified in the from/to pair. This sequence number should be monotonically increasing in steps of 1.		
<b>xPath:</b>	/Envelope/Header/ebi:Sequence/ebi:MessageNumber		
<b>Occurrence:</b>	Minimum: 0	Maximum: 1	<i>Optional</i>
<b>Length:</b>	Minimum: 1	Maximum: 127	<i>xsd:anyURI</i>
<b>Value:</b>	Variable		

<b>Element Name:</b>	<b>Ebi:Created</b>		
<b>Description:</b>	Creation date of the message, format is like 2011-06-27 18:20:02		
<b>xPath:</b>	/Envelope/Header/ebi:Created		
<b>Occurrence:</b>	Minimum: 0	Maximum: 1	<i>Optional</i>
<b>Length:</b>	Minimum: 1	Maximum: 127	<i>xsd:anyURI</i>
<b>Value:</b>	Variable		

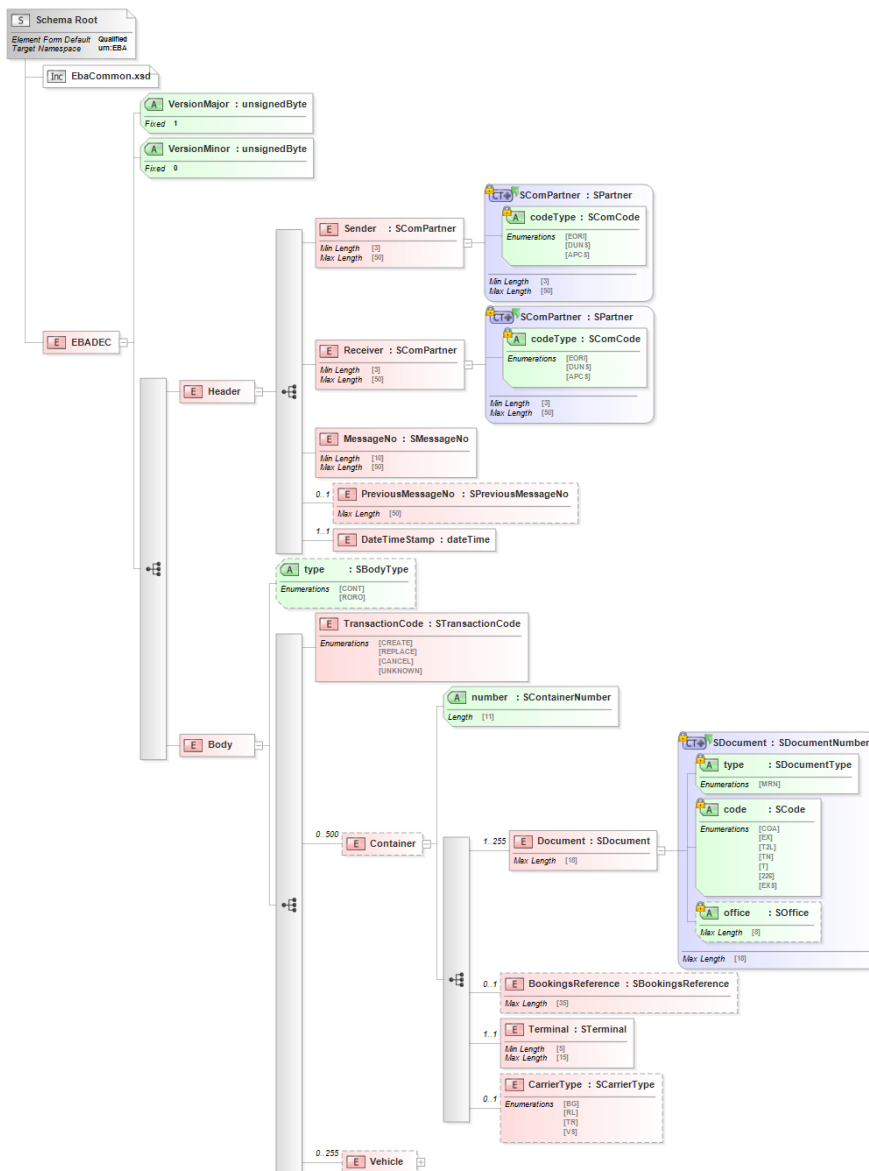
<b>Element Name:</b>	<b>Ebi:TestIndicator</b>		
<b>Description:</b>	Test indicator, values are T (test) or P (production)		
<b>xPath:</b>	/Envelope/Header/ebi:TestIndicator		
<b>Occurrence:</b>	Minimum: 0	Maximum: 1	<i>Optional</i>
<b>Length:</b>	Minimum: 1	Maximum: 127	<i>xsd:anyURI</i>
<b>Value:</b>	Variable		

Note: For a full description of the GLN SOAP Header, see the PDF document "WSAddressingForMyVan.pdf" on <https://www.myvan.descartes.com/docs/WSAddressingForMyVan.pdf>.

## 3 SOAP Body – eBale message (EBADEC)

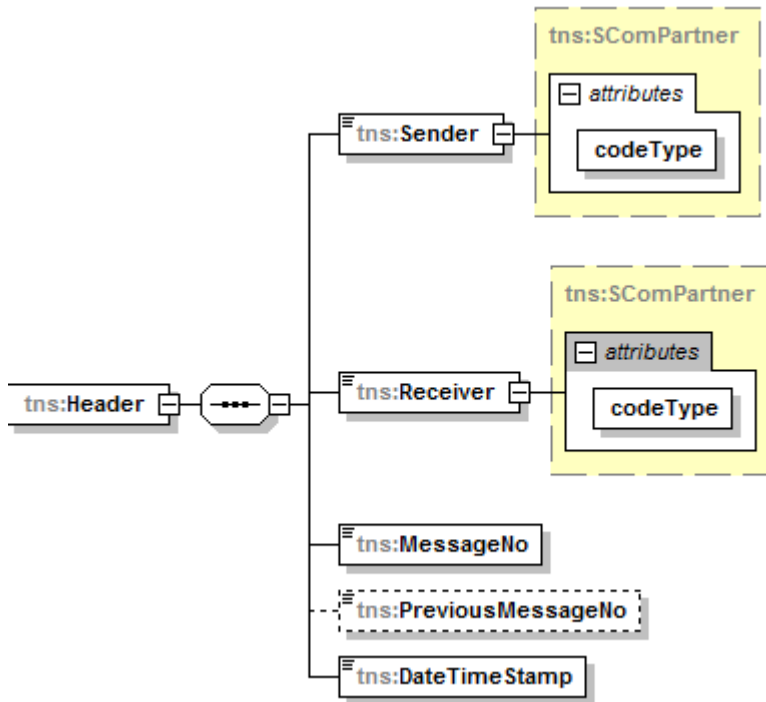
### 3.1 General

The EBADEC-message consists of a header and a body.



## 3.2 Header

### 3.2.1 Diagram header



### 3.2.2 Field description

Element Name:	Sender		
Description:	Unique identification code defining the sender of the message.		
xPath:	/Envelope/Body/EBADEC/Header/Sender		
Occurrence:	Minimum: 1	Maximum: 1	<b>Mandatory</b>
Length:	Minimum: 3	Maximum: 50	<i>tns:SComPartner</i>
Value:	Variable		
Attribute Name:	codeType		
Description:	Qualifier identifying the type of sender code.		
xPath:	/Envelope/Body/EBADEC/Header/Sender@codeType		
Occurrence:	Minimum: 1	Maximum: 1	<b>Mandatory</b>
Length:	Minimum: 3	Maximum: 4	<i>tns:SComCode</i>
Value:	Possible values are : <ul style="list-style-type: none"> <li>EORI</li> </ul>		

	<ul style="list-style-type: none"> <li>DUNS</li> <li>APCS (Sender code provided by APCS)</li> </ul>
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<b>Element Name:</b>	<b>Receiver</b>		
Description:	Unique identification code defining the receiver of the message.		
xPath:	/Envelope/Body/EBADEC/Header/Receiver		
Occurrence:	Minimum: 1	Maximum: 1	<b>Mandatory</b>
Length:	Minimum: 3	Maximum: 50	<i>tns:SComPartner</i>
Value:	Variable		
	<b>Attribute Name:</b>	<b>codeType</b>	
	Description:	Qualifier identifying the type of sender code.	
	xPath:	/Envelope/Body/EBADEC/Header/ Receiver@codeType	
	Occurrence:	Minimum: 1	Maximum: 1 <b>Mandatory</b>
	Length:	Minimum: 3	Maximum: 4 <i>tns:SComCode</i>
	Value:	Possible values are : <ul style="list-style-type: none"> <li>EORI</li> <li>DUNS</li> <li>APCS (Sender code provided by APCS)</li> </ul>	

<b>Element Name:</b>	<b>MessageNo</b>		
Description:	Unique message number.		
xPath:	/Envelope/Body/EBADEC/Header/MessageNo		
Occurrence:	Minimum: 1	Maximum: 1	<b>Mandatory</b>
Length:	Minimum: 10	Maximum: 50	<i>tns:SMessageNo</i>
Value:	Variable		

<b>Element Name:</b>	<b>PreviousMessageNo</b>		
Description:	Unique message number pointing to a previous transaction. Only used when replace or cancel message		
xPath:	/Envelope/Body/EBADEC/Header/PreviousMessageNo		
Occurrence:	Minimum: 0	Maximum: 1	<i>Optional</i>
Length:	Minimum: 10	Maximum: 50	<i>tns:SPreviousMessageNo</i>
Value:	Variable		

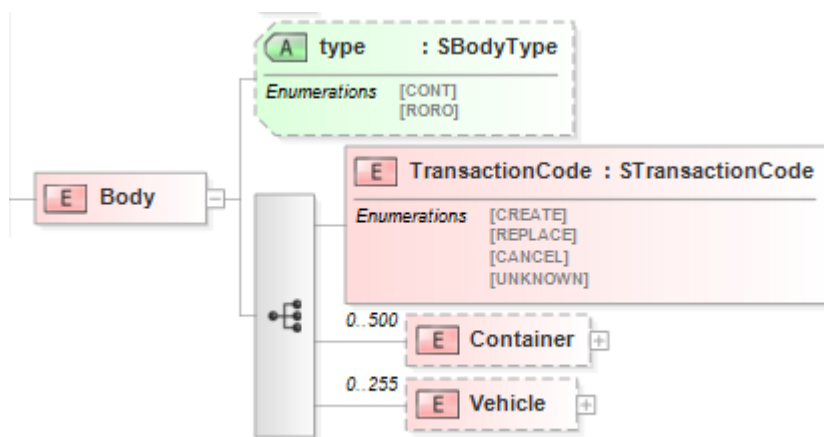
<b>Element Name:</b>	<b>DateTimeStamp</b>		
Description:	Creation date of the message.		



xPath:	/Envelope/Body/EBADEC/Header/DateTimeStamp		
Occurrence:	Minimum: 1	Maximum: 1	<b>Mandatory</b>
Length:	Minimum: 19	Maximum: 19	<i>xs:dateTime</i>
Value:	Variable The dateTime is specified in the following form "YYYY-MM-DDThh:mm:ss" Ex. 2011-01-19T11:31:20		

## 3.3 Body

### 3.3.1 Diagram body



### 3.3.2 Container – ro/ro – ferry qualifier

The *type* attribute ("CONT", "RORO" or "FRRY") of the *Body* element indicates whether the message is a container, a ro/ro- or a ferry message. When the *type* attribute is not used, the message will be considered a container message for purposes of backwards compatibility.

Depending on the value of the *type* attribute, the elements *Container* (for a container message) or *Vehicle* (for a ro/ro or a ferry message) will be conditionally required.

### 3.3.3 Field description

<b>Element Name:</b>	<b>TransactionCode</b>		
Description:	Specifies the type of transaction		
xPath:	/Envelope/Body/EBADEC/Body/TransactionCode		
Occurrence:	Minimum: 1	Maximum: 1	<b>Mandatory</b>

Length:	Minimum: 5	Maximum: 7	<i>tns:STransactionCode</i>
Value:	Possible values are : <ul style="list-style-type: none"> <li>• CREATE</li> <li>• REPLACE</li> <li>• CANCEL</li> </ul>		

<b>Element Name:</b>	<b>Container</b>		
Description:	Holds all the information about the container that is included. This group is made to allow more than 1 container to be included. Each container group can hold one or more document groups.  This group may only be used if the TransactionCode is CREATE or REPLACE and should not be used if the TransactionCode is CANCEL.		
xPath:	/Envelope/Body/EBADEC/Body/Container		
Occurrence:	Minimum: 0	Maximum: 500	<i>Optional</i>
Value:	See section 3.4.2 for more detail		
	<b>Attribute Name:</b>	<b>number</b>	
	Description:	The container number	
	xPath:	/Envelope/Body/EBADEC/Body/Container@number	
	Occurrence:	Minimum: 1	Maximum: 1 <b>Mandatory</b>
	Length:	Minimum: 11	Maximum: 11 <i>tns:SNumber</i>
	Value:	variable	

<b>Element Name:</b>	<b>Vehicle</b>		
Description:	Holds all the information about the vehicle or the ferry unit that is included. This group is made to allow more than 1 vehicle or ferry unit to be included. Each vehicle group can hold one or more document groups.  This group may only be used if the TransactionCode is CREATE or REPLACE and should not be used if the TransactionCode is CANCEL.		
xPath:	/Envelope/Body/EBADEC/Body/Vehicle		
Occurrence:	Minimum: 0	Maximum: 255	<i>Optional</i>
Value:	See section 3.5.2 for more detail		
	<b>Attribute Name:</b>	<b>number</b>	
	Description:	The vehicle number or the unit identification number	
	xPath:	/Envelope/Body/EBADEC/Body/Vehicle@number	
	Occurrence:	Minimum: 1	Maximum: 1 <b>Mandatory</b>
	Length:	Minimum: 17	Maximum: 17 <i>tns:SNumber</i>
	Value:	Variable IF type attribute is "FRRY" THEN minimum length of the unit identification number is 1.	

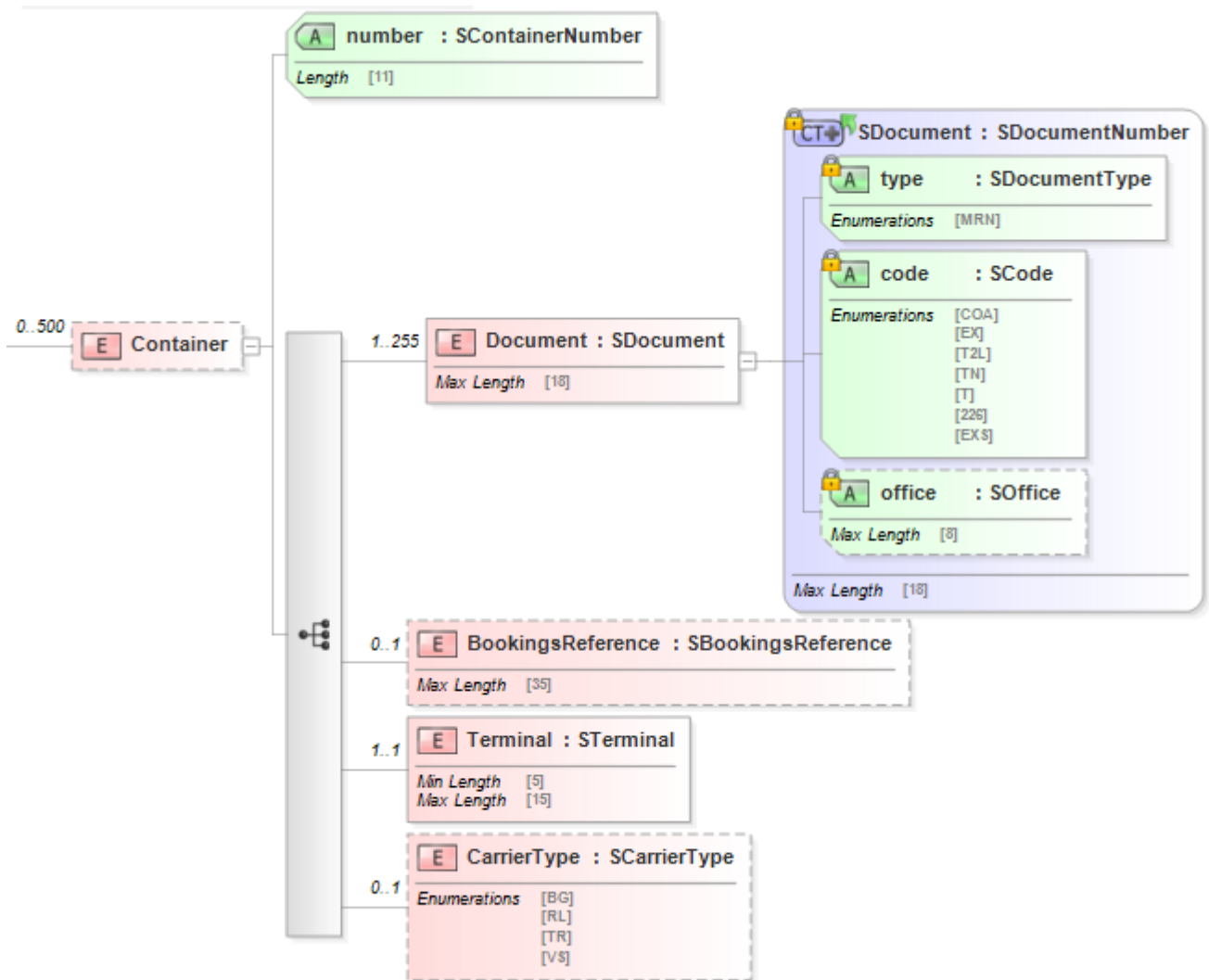
## 3.4 Container

### 3.4.1 General

Holds all the information about the container that is included. This group is made to allow more than 1 container to be included. Each container group can hold one or more document groups.

This group may only be used if the TransactionCode is CREATE or REPLACE and should not be used if the TransactionCode is CANCEL.

### 3.4.2 Diagram Container group



### 3.4.3 Field description

Element Name:	Document			
Description:	Holds all the information about the document that is included.			
xPath:	/Envelope/Body/EBADDEC/Body/Container/Document			
Occurrence:	Minimum: 1	Maximum: 255	Mandatory	
Length:	Minimum: 18	Maximum: 18	tns:SDocument	
Value:	Variable			
	Attribute Name:	type		
	Description:	Type of the document		
	xPath:	/Envelope/Body/EBADDEC/Body/Container/Document@type		
	Occurrence:	Minimum: 1	Maximum: 1	Mandatory
	Length:	Minimum: 3	Maximum: 3	tns:SDocumentType
	Value:	MRN		
	Attribute Name:	Code		
	Description:	Document code		
	xPath:	/Envelope/Body/EBADDEC/Body/Container/Document@code		
	Occurrence:	Minimum: 1	Maximum: 1	Mandatory
	Length:	Minimum: 1	Maximum: 3	tns:SCode
	Value:	Possible values are : <ul style="list-style-type: none"><li>COA (T2LF)</li><li>EX (export MRN ECS)</li><li>EXS (Exit Summary Declaration)</li><li>T2L</li><li>TN (Transshipment)</li><li>T (Transit)</li><li>226 (art. 226 CTW 2454/93)</li></ul>		
	Attribute Name:	office		
	Description:	Customs office of exit for this document		
	xPath:	/Envelope/Body/EBADDEC/Body/Container/Document@office		
	Occurrence:	Minimum: 0	Maximum: 1	Optional
	Length:	Minimum: 0	Maximum: 8	tns:SOffice
	Value:	Variable		

Element Name:	BookingsReference
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Description:	The vehicle bookingsreference.		
xPath:	/Envelope/Body/EBADEC/Body/Container/BookingsReference		
Occurrence:	Minimum: 0	Maximum: 1	<i>Optional</i>
Length:	Minimum: 0	Maximum: 35	<i>tns:SBookingsReference</i>
Value:	Variable		

<b>Element Name:</b>	<b>Terminal</b>		
Description:	The terminal where the vehicle arrives.		
xPath:	/Envelope/Body/EBADEC/Body/Container/Terminal		
Occurrence:	Minimum: 1	Maximum: 1	<b>Mandatory</b>
Length:	Minimum: 5	Maximum: 15	<i>tns:STerminal</i>
Value:	Variable. Format : "<Locode> <Fairwaysection> <TerminalCode>" <i>Ex : BEANR0172900730</i> Please check the code list included in the package, concatenating the first 3 columns. In case the terminal is unknown, only the UN/LOCODE can be used, which is BEANR for Antwerp, BEZEE for Zeebrugge.		

<b>Element Name:</b>	<b>CarrierType</b>		
Description:	Means of transport of the vehicle.		
xPath:	/Envelope/Body/EBADEC/Body/Container/CarrierType		
Occurrence:	Minimum: 0	Maximum: 1	<i>Optional</i>
Length:	Minimum: 2	Maximum: 2	<i>tns:SCarrierType</i>
Value:	The parameter should be exactly two characters in length and contain only the assigned possibilities: <ul style="list-style-type: none"> <li>• BG (for barge)</li> <li>• RL (for rail)</li> <li>• TR (for truck)</li> <li>• VS (for vessel)</li> </ul>		

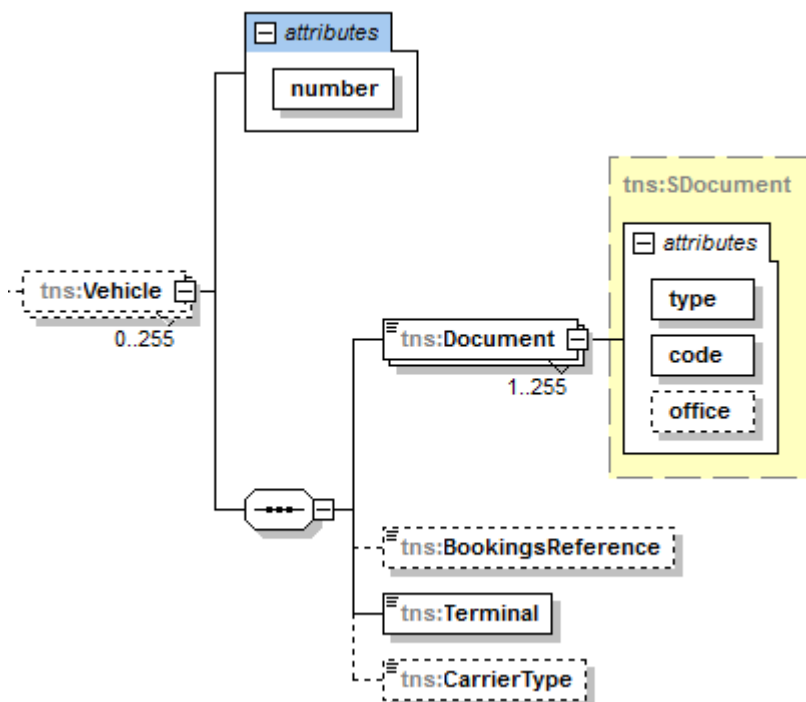
## 3.5 Vehicle

### 3.5.1 General

Holds all the information about the vehicle or the ferry unit that is included. This group is made to allow more than 1 vehicle or ferry to be included. Each vehicle group can hold one or more document groups.

This group may only be used if the TransactionCode is CREATE or REPLACE and should not be used if the TransactionCode is CANCEL.

### 3.5.2 Diagram Vehicle group



### 3.5.3 Field description

Element Name:	Document		
Description:	Holds all the information about the document that is included.		
xPath:	/Envelope/Body/EBADEC/Body/Vehicle/Document		
Occurrence:	Minimum: 1	Maximum: 255	<b>Mandatory</b>
Length:	Minimum: 18	Maximum: 18	<i>tns:SDocument</i>
Value:	Variable		
	Attribute Name:	type	
	Description:	Type of the document	
	xPath:	/Envelope/Body/EBADEC/Body/Vehicle/Document@type	
	Occurrence:	Minimum: 1	Maximum: 1 <b>Mandatory</b>

Length:	Minimum: 3	Maximum: 3	<i>tns:SDocumentType</i>
Value:	MRN		
<b>Attribute Name:</b>	<b>Code</b>		
Description:	Document code		
xPath:	/Envelope/Body/EBADEC/Body/Vehicle/Document@code		
Occurrence:	Minimum: 1	Maximum: 1	<b>Mandatory</b>
Length:	Minimum: 1	Maximum: 3	<i>tns:SCode</i>
Value:	Possible values are : <ul style="list-style-type: none"> <li>• COA (T2LF)</li> <li>• EX (export MRN ECS)</li> <li>• EXS (Exit Summary Declaration)</li> <li>• T2L</li> <li>• TN (Transshipment)</li> <li>• T (Transit)</li> <li>• 226 (art. 226 CTW 2454/93)</li> </ul>		
<b>Attribute Name:</b>	<b>office</b>		
Description:	Customs office of exit for this document		
xPath:	/Envelope/Body/EBADEC/Body/Vehicle/Document@office		
Occurrence:	Minimum: 0	Maximum: 1	<i>Optional</i>
Length:	Minimum: 0	Maximum: 8	<i>tns:SOffice</i>
Value:	Variable IF Type attribute of Body element is "FRRY" AND DocumentType attribute is "T", THEN Office attribute is <b>mandatory</b> .		

<b>Element Name:</b>	<b>BookingsReference</b>		
Description:	The vehicle or unit bookingsreference.		
xPath:	/Envelope/Body/EBADEC/Body/Vehicle/BookingsReference		
Occurrence:	Minimum: 0	Maximum: 1	<i>Optional</i>
Length:	Minimum: 0	Maximum: 35	<i>tns:SBookingsReference</i>
Value:	Variable IF Type attribute of Body element is "FRRY", THEN BookingsReference element is <b>mandatory</b> .		

<b>Element Name:</b>	<b>Terminal</b>		
Description:	The terminal where the vehicle or ferry arrives.		
xPath:	/Envelope/Body/EBADEC/Body/Vehicle/Terminal		

Occurrence:	Minimum: 1	Maximum: 1	<b>Mandatory</b>
Length:	Minimum: 5	Maximum: 15	<i>tns:STerminal</i>
Value:	Variable. Format : "<Locode><Fairwaysection><TerminalCode>" <i>Ex : BEANR0172900730</i>  Please check the code list included in the package, concatenating the first 3 columns. In case the terminal is unknown, only the UN/LOCODE can be used, which is BEANR for Antwerp, BEZEE for Zeebrugge.		

<b>Element Name:</b>	<b>CarrierType</b>		
Description:	Means of transport of the vehicle.		
xPath:	/Envelope/Body/EBADEC/Body/Vehicle/CarrierType		
Occurrence:	Minimum: 0	Maximum: 1	<i>Optional</i>
Length:	Minimum: 2	Maximum: 2	<i>tns:SCarrierType</i>
Value:	The parameter should be exactly two characters in length and contain only the assigned possibilities: <ul style="list-style-type: none"> <li>• BG (for barge)</li> <li>• RL (for rail)</li> <li>• TR (for truck)</li> <li>• VS (for vessel)</li> </ul>		

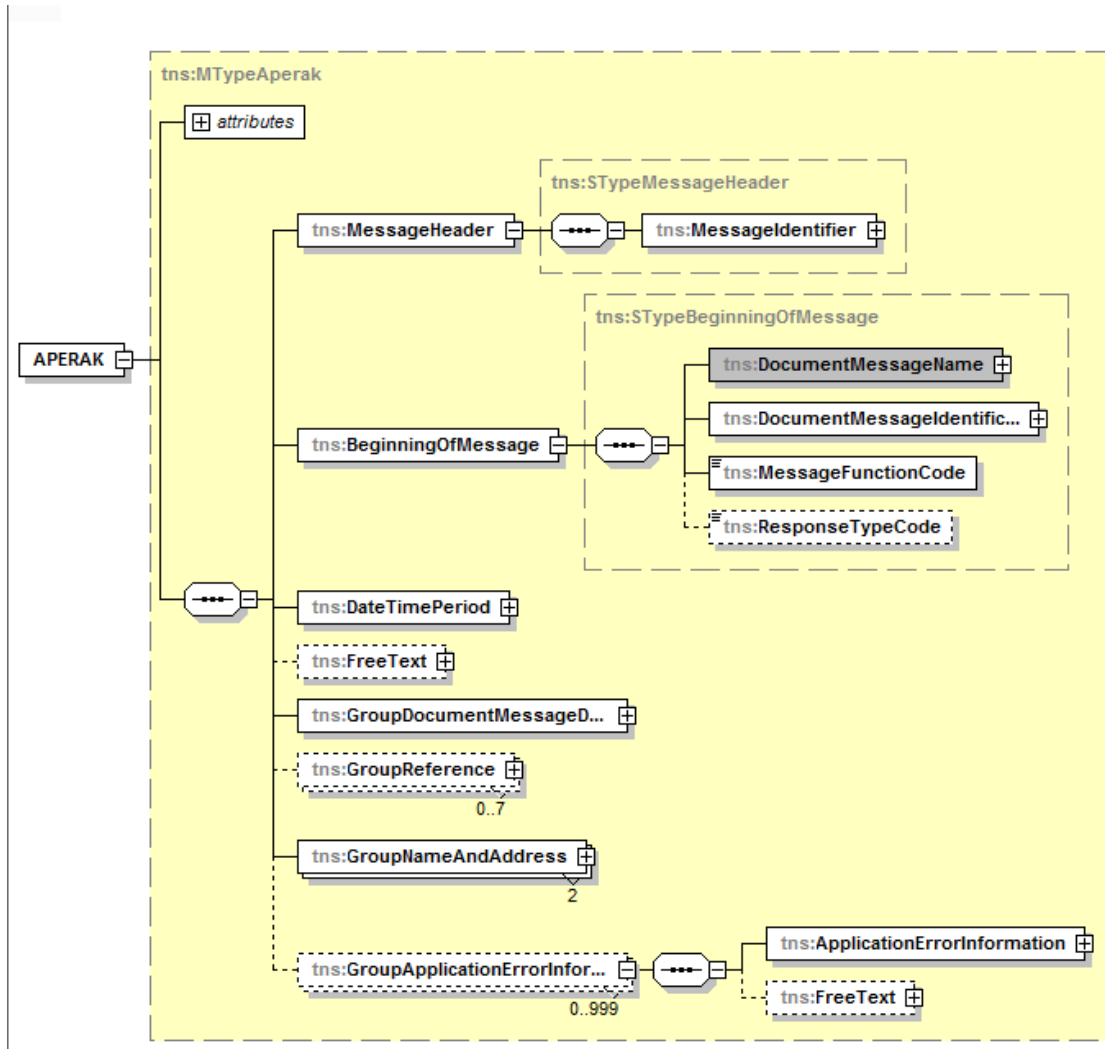
### 3.6 APERAK response message

Every EBADEC-message will be answered with an APERAK-message to confirm the correct processing by eBalie or to report that the file has been rejected. In case it is rejected, the customer needs to send a new transaction (with a new message number !) to correct the original message.

Please find the basic structure below, for more details we would like to refer to the separate APERAK-manual and XSD. The response type code is either AP (Accepted) or RE, RP (Rejected). The APERAK is also wrapped in the standard SOAP envelope, similar to the EBADEC.

Response Type code	Description
AP	The message was accepted.
RE	The message was rejected due to logical errors (Unknown company, unknown message ref...)
RP	The message was rejected due to technical errors. (Validation against the XSD, unknown message type, system errors...)





Please find the list of error codes that will be returned in the APERAK (FreeText within GroupApplicationErrorInformation) :

- message.already.exists : message with the same message reference already received
- no.previous.message : replace or cancel with a previous reference that's not in the database
- msg.cancel.body.not.empty : cancel messages containing vehicle data in the body
- invalid.message.format : invalid message type (no EBADEC, EBAREP, EBATER or EBAREQ)
- company.not.found : unknown company (sender or receiver)
- document.container.combination.already.exists: combination of container and document already exists in the eBalie application
- document.vehicle.combination.already.exists: combination of vehicle and document already exists in the eBalie application
- document.ferry.combination.already.exists: combination of ferry and document already exists in the eBalie application
- expected.at.least.one.container : EBADEC message (Type CONT) with only the TransactionCode CREATE in the body of the message, without further details

- expected.at.least.one.vehicle : EBADEC message (Type RORO) with only the TransactionCode CREATE in the body of the message, without further details
- expected.at.least.one.ferry : EBADEC message (Type FRRY) with only the TransactionCode CREATE in the body of the message, without further details
- document.owned.by.other.company: document is already registered in the eBalie application by another company
- cargo.already.loaded.on.vessel: not possible to register a document for a container or vehicle since the container or vehicle was already loaded on a vessel
- document.already.finalized: not possible to register cargo on a document since the document was already finalized

In case of validation errors against the XSD, the customer also receives this error in the same field of the APERAK. Example: "Message with id = 7307082 could not be handled. Message is invalid: validation failed cvc-length-valid: Value 'TESTWIM00000' with length = '12' is not facet-valid with respect to length '17' for type 'SVehicleNumber'".

## 4 Examples

### 4.1 Example 1: EBADEC message, for container, sent to C-Point

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope"
  xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/03/addressing"
  xmlns:ebi="http://www.myvan.descartes.com/ebi/2004/r1">
  <S:Header>
    <wsa:From>
      <wsa:Address>urn:duns:371031225</wsa:Address>
    </wsa:From>
    <wsa:To>urn:duns:370859360</wsa:To>
    <wsa:Action>urn:myvan:IFTMCA</wsa:Action>
    <ebi:Sequence>
      <ebi:MessageNumber>4</ebi:MessageNumber>
    </ebi:Sequence>
    <ebi:Created>2011-06-27 18:20:02</ebi:Created>
    <ebi:TestIndicator>T1</ebi:TestIndicator>
  </S:Header>
  <S:Body>
    <EBADEC xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="urn:EBA"
      xsi:schemaLocation="urn:EBA EBADEC.xsd" VersionMajor="1" VersionMinor="0">
      <Header>
        <Sender codeType="EORI">BE0429672881</Sender>
        <Receiver codeType="APCS">APCS</Receiver>
        <MessageNo>BE0429672881004</MessageNo>
        <PreviousMessageNo/>
        <DateTimeStamp>2011-05-18T13:31:20</DateTimeStamp>
      </Header>
      <Body>
        <TransactionCode>CREATE</TransactionCode>
        <Container number="XXXU1234567">
          <Document type="MRN" code="EX"
            office="BE101000">13BEE0000098765432</Document>
          <BookingsReference/>
          <Terminal>BEANR</Terminal>
          <CarrierType>TR</CarrierType>
        </Container>
      </Body>
    </EBADEC>
  </S:Body>
</S:Envelope>
```

---

<sup>1</sup> Use the value 'P' for production messages

## 4.2 Example 2: EBADEC message, for ro/ro, sent to C-Point

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope"
  xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/03/addressing"
  xmlns:ebi="http://www.myvan.descartes.com/ebi/2004/r1">
  <S:Header>
    <wsa:From>
      <wsa:Address>urn:duns:371031225</wsa:Address>
    </wsa:From>
    <wsa:To>urn:duns:370859360</wsa:To>
    <wsa:Action>urn:myvan:IFTMCA</wsa:Action>
    <ebi:Sequence>
      <ebi:MessageNumber>4</ebi:MessageNumber>
    </ebi:Sequence>
    <ebi:Created>2011-06-27 18:20:02</ebi:Created>
    <ebi:TestIndicator>T2</ebi:TestIndicator>
  </S:Header>
  <S:Body type="RORO">
    <EBADEC xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="urn:EBA"
      xsi:schemaLocation="urn:EBA EBADEC.xsd" VersionMajor="1" VersionMinor="0">
      <Header>
        <Sender codeType="EORI">BE0429672881</Sender>
        <Receiver codeType="APCS">APCS</Receiver>
        <MessageNo>BE0429672881004</MessageNo>
        <PreviousMessageNo/>
        <DateTimeStamp>2011-05-18T13:31:20</DateTimeStamp>
      </Header>
      <Body>
        <TransactionCode>CREATE</TransactionCode>
        <Vehicle number="5GZCZ43D13S812715">
          <Document type="MRN" code="EX"
            office="BE101000">13BEE0000098765432</Document>
          <BookingsReference/>
          <Terminal>BEANR</Terminal>
          <CarrierType>TR</CarrierType>
        </Vehicle>
      </Body>
    </EBADEC>
  </S:Body>
</S:Envelope>
```

<sup>2</sup> Use the value 'P' for production messages

## 4.3 Example 3: EBADEC message, for ferry, sent to C-Point

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope"
  xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/03/addressing"
  xmlns:ebi="http://www.myvan.descartes.com/ebi/2004/r1">
  <S:Header>
    <wsa:From>
      <wsa:Address>urn:duns:371031225</wsa:Address>
    </wsa:From>
    <wsa:To>urn:duns:370859360</wsa:To>
    <wsa:Action>urn:myvan:IFTMCA</wsa:Action>
    <ebi:Sequence>
      <ebi:MessageNumber>4</ebi:MessageNumber>
    </ebi:Sequence>
    <ebi:Created>2011-06-27 18:20:02</ebi:Created>
    <ebi:TestIndicator>T3</ebi:TestIndicator>
  </S:Header>
  <S:Body type="FRRY">
    <EBADEC xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="urn:EBA"
      xsi:schemaLocation="urn:EBA EBADEC.xsd" VersionMajor="1" VersionMinor="0">
      <Header>
        <Sender codeType="EORI">BE0429672881</Sender>
        <Receiver codeType="APCS">APCS</Receiver>
        <MessageNo>BE0429672881004</MessageNo>
        <PreviousMessageNo/>
        <DateTimeStamp>2011-05-18T13:31:20</DateTimeStamp>
      </Header>
      <Body>
        <TransactionCode>CREATE</TransactionCode>
        <Vehicle number="1BRM839">
          <Document type="MRN" code="EX"
            office="BE101000">19BEE0000098765432</Document>
          <BookingsReference>BOEKREFTEST123</BookingsReference>
          <Terminal>BEANR</Terminal>
          <CarrierType>TR</CarrierType>
        </Vehicle>
      </Body>
    </EBADEC>
  </S:Body>
</S:Envelope>
```

<sup>3</sup> Use the value 'P' for production messages

## 4.4 Example 4: response message

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope"
  xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/03/addressing"
  xmlns:ebi="http://www.myvan.descartes.com/ebi/2004/r1">
  <S:Header>
    <wsa:From>
      <wsa:Address> urn:duns:370859360</wsa:Address>
    </wsa:From>
    <wsa:To>urn:duns:371031225</wsa:To>
    <wsa:Action>urn:myvan:APERAK </wsa:Action>
    <ebi:Sequence>
      <ebi:MessageNumber>5</ebi:MessageNumber>
    </ebi:Sequence>
    <ebi:Created>2013-01-27 18:25:04</ebi:Created>
    <ebi:TestIndicator>T</ebi:TestIndicator>
  </S:Header>
  <S:Body>
    <APERAK xmlns="urn:PCM" xmlns:ns2="urn:EBA" VersionMinor="0" VersionMajor="1">
    <MessageHeader>
      <MessageIdentifier>
        <MessageTypeIdentifier>APERAK</MessageTypeIdentifier>
        <MessageTypeVersionNumber>D</MessageTypeVersionNumber>
        <MessageTypeReleaseNumber>03A</MessageTypeReleaseNumber>
        <ControllingAgency>UN</ControllingAgency>
        <AssociationAssignedCode>EBL</AssociationAssignedCode>
      </MessageIdentifier>
    </MessageHeader>
    <BeginningOfMessage>
      <DocumentMessageName>
        <DocumentNameCode>294</DocumentNameCode>
      </DocumentMessageName>
      <DocumentMessageIdentification>
        <DocumentIdentifier>EBL00000000000000001044</DocumentIdentifier>
      </DocumentMessageIdentification>
      <MessageFunctionCode>9</MessageFunctionCode>
      <ResponseTypeCode>RE</ResponseTypeCode>
    </BeginningOfMessage>
    <DateTimePeriod>
      <DateTimeFunctionQualifier>137</DateTimeFunctionQualifier>
      <DateOrTimeOrPeriodText>2011-05-31T05:20:49.527Z</DateOrTimeOrPeriodText>
    </DateTimePeriod>
    <GroupDocumentMessageDetails>
      <DocumentMessageName>
        <DocumentNameCode>7</DocumentNameCode>
      </DocumentMessageName>
      <DocumentMessageDetails>
        <DocumentIdentifier>BE0429672881004</DocumentIdentifier>
      </DocumentMessageDetails>
    </GroupDocumentMessageDetails>
  </S:Body>
</S:Envelope>
```

```
<GroupNameAndAddress>
  <NameAndAddress>
    <PartyFunctionCodeQualifier>MS</PartyFunctionCodeQualifier>
    <PartyIdentificationDetails>
      <PartyIdentifier>APCS:APCS</PartyIdentifier>
    </PartyIdentificationDetails>
  </NameAndAddress>
</GroupNameAndAddress>
<GroupNameAndAddress>
  <NameAndAddress>
    <PartyFunctionCodeQualifier>MR</PartyFunctionCodeQualifier>
    <PartyIdentificationDetails>
      <PartyIdentifier>EORI:BE0429672881</PartyIdentifier>
    </PartyIdentificationDetails>
  </NameAndAddress>
</GroupNameAndAddress>
<GroupApplicationErrorInformation>
  <ApplicationErrorInformation>
    <ApplicationErrorDetail>
      <ApplicationErrorCode>999</ApplicationErrorCode>
      <CodeListIdentificationCode>REJ</CodeListIdentificationCode>
      <CodeListResponsibleAgencyCode>APA</CodeListResponsibleAgencyCode>
    </ApplicationErrorDetail>
  </ApplicationErrorInformation>
  <FreeText>
    <TextSubjectCodeQualifier>AAO</TextSubjectCodeQualifier>
    <TextLiteral>
      <FreeText>validation.fault</FreeText>
    </TextLiteral>
  </FreeText>
</GroupApplicationErrorInformation>
</APERAK>
</S:Body>
</S:Envelope>
```

## 4.5 Response message with an XSD error

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<S:Envelope xmlns:S="http://www.w3.org/2003/05/soap-envelope"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/03/addressing"
xmlns:ebi="http://www.myvan.descartes.com/ebi/2004/r1">
  <S:Header>
    <wsa:From>
      <wsa:Address> urn:duns:370859360</wsa:Address>
    </wsa:From>
    <wsa:To>urn:duns:371031225</wsa:To>
    <wsa:Action>urn:myvan:APERAK </wsa:Action>
    <ebi:Sequence>
      <ebi:MessageNumber>6</ebi:MessageNumber>
    </ebi:Sequence>
    <ebi:Created>2013-01-27 18:25:04</ebi:Created>
    <ebi:TestIndicator>T</ebi:TestIndicator>
  </S:Header>
  <S:Body>
    <APERAK xmlns="urn:PCM" xmlns:ns2="urn:EBA" VersionMinor="0" VersionMajor="1">
      <MessageHeader>
        <MessageIdentifier>
          <MessageTypeIdentifier>APERAK</MessageTypeIdentifier>
          <MessageTypeVersionNumber>D</MessageTypeVersionNumber>
          <MessageTypeReleaseNumber>03A</MessageTypeReleaseNumber>
          <ControllingAgency>UN</ControllingAgency>
          <AssociationAssignedCode>PROT20</AssociationAssignedCode>
        </MessageIdentifier>
      </MessageHeader>
      <BeginningOfMessage>
        <DocumentMessageName>
          <DocumentNameCode>294</DocumentNameCode>
        </DocumentMessageName>
        <DocumentMessageIdentification>
          <DocumentIdentifier>CMB0000000000000010195</DocumentIdentifier>
        </DocumentMessageIdentification>
        <MessageFunctionCode>9</MessageFunctionCode>
        <ResponseTypeCode>RP</ResponseTypeCode>
      </BeginningOfMessage>
      <DateTimePeriod>
        <DateTimeFunctionQualifier>137</DateTimeFunctionQualifier>
        <DateOrTimeOrPeriodText>2011-06-
23T08:18:57.087Z</DateOrTimeOrPeriodText>
      </DateTimePeriod>
      <GroupDocumentMessageDetails>
        <DocumentMessageName>
          <DocumentNameCode>305</DocumentNameCode>
        </DocumentMessageName>
        <DocumentMessageDetails>
          <DocumentIdentifier>EBL0000014</DocumentIdentifier>
        </DocumentMessageDetails>
      </GroupDocumentMessageDetails>
    </APERAK>
  </S:Body>
</S:Envelope>
```



```
</GroupDocumentMessageDetails>
<GroupNameAndAddress>
  <NameAndAddress>
    <PartyFunctionCodeQualifier>MS</PartyFunctionCodeQualifier>
    <PartyIdentificationDetails>
      <PartyIdentifier>1</PartyIdentifier>
    </PartyIdentificationDetails>
  </NameAndAddress>
</GroupNameAndAddress>
<GroupNameAndAddress>
  <NameAndAddress>
    <PartyFunctionCodeQualifier>MR</PartyFunctionCodeQualifier>
    <PartyIdentificationDetails>
      <PartyIdentifier>20169</PartyIdentifier>
    </PartyIdentificationDetails>
  </NameAndAddress>
</GroupNameAndAddress>
<GroupApplicationErrorInformation>
  <ApplicationErrorInformation>
    <ApplicationErrorDetail>
      <ApplicationErrorCode>999</ApplicationErrorCode>
    </ApplicationErrorDetail>
  </ApplicationErrorInformation>
  <FreeText>
    <TextSubjectCodeQualifier>AAO</TextSubjectCodeQualifier>
    <TextLiteral>
      <FreeText>Message with id = 7307082 could not be handled.
Message is invalid: validation failed cvc-length-valid: Value 'TESTWIM00000' with length = '12' is not facet-valid
with respect to length '17' for type 'SContainerNumber'.</FreeText>
    </TextLiteral>
  </FreeText>
</GroupApplicationErrorInformation>
</APERAK>
</S:Body>
</S:Envelope>
```

## 5 Version history

Version	Date	Author	Remarks
1.0	June 30, 2011	Luc Simons, Eric Geerts	Document creation
2.0	July 11, 2011	Harry Lambrechts	Update
2.1	August 30, 2011	Eric Geerts	Update "codeType" attribute values: GHA must be APCS
2.2	September 6, 2011	Eric Geerts	Update /Envelope/Body/EBADEC/Body/Container/Document@code: extra values
2.3	November 3, 2011	Eric Geerts	Update /Envelope/Body/EBADEC/Body/Container/Document@code: extra value 226. Extra remark codelist terminals
2.4	January 25, 2012	Eric Geerts, Harry Lambrechts	Update 3.3.1. & 3.4.1. Container group should not be included for cancellations
2.5	January 31, 2012	Eric Geerts	Update 3.4.2 – added code EXS for Exit Summary Declaration in case there is no regular declaration
3.0	February 15, 2013	Nico De Cauwer	Update for ro/ro
3.1	March 1, 2016	An Cant	3.3.3 Update maximum occurrence of container element 3.6 Update of Aperak error codes
3.2	March 5, 2019	Marjolein Lambrechts	Update for ferry