



German Ports

Notification Message XML


Message implementation guideline

Version 1.0.0/E



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dbh und DAKOSY	German Ports – Notification Message (XML)	
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Change Requests

The following offices are responsible for the change service, the receipt and processing of comments and change requests for this document:

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Used Tools


Number	Used tools
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1 Messages

This implementation guide describes the content and structure of the Notification Message (XML) sent by German Ports. The Notification Message (XML) serves two key functions: Receipt and Notification.

1. Receipt

Whenever a Claim Transfer XML message is sent, a corresponding Notification Message (XML) with the function “Receipt” is generated in response. This receipt confirms whether the Claim Transfer XML message was processed successfully or unsuccessfully. Additionally, the receipt serves as a response to the specific type of Claim Transfer XML message and includes a processing status. The different statuses are detailed under the ClaimStatus element/attribute in the guideline section below.

2. Notification

In addition to the receipt, a Notification Message (XML) is sent to the affected parties in the claim chain, informing them of any changes related to the claim. This ensures that all relevant stakeholders are updated in a timely manner.

2 Message Structure

Occurrence	Element/Attribut
	GermanPortsNotification
1 .. 1	xs:sequence
1 .. 1	Interchange
1 .. 1	xs:sequence
1 .. 1	CreationTimeStamp
1 .. 1	ExchangeNumber
0 .. 1	TestIndicator
1 .. 1	Sender
1 .. 1	xs:sequence
1 .. 1	ParticipantCode
	<i>AgencyID</i>
0 .. 1	Contact
1 .. 1	xs:sequence
1 .. 1	Name
0 .. 1	Telephone
0 .. 1	Email
1 .. 1	Recipient
1 .. 1	xs:sequence
1 .. 1	ParticipantCode
1 .. unbounded	GermanPortsNotificationMessage
1 .. 1	xs:sequence
1 .. 1	MessageHeader
1 .. 1	xs:sequence
1 .. 1	Version
1 .. 1	Function
1 .. 1	ReferenceNumber
1 .. 1	Sender
1 .. 1	xs:sequence
1 .. 1	ParticipantCode
	<i>AgencyID</i>
0 .. 1	Contact
1 .. 1	xs:sequence
1 .. 1	Name
0 .. 1	Telephone
0 .. 1	Email
1 .. 1	GermanPortsNotificationMessageDetails
1 .. 1	xs:sequence
0 .. 1	OriginalMessageReferenceNumber
0 .. 1	Container
1 .. 1	xs:sequence
0 .. 1	ContainerID
0 .. 1	GermanPortsID
0 .. 1	CustomerReferenceID
0 .. 1	SecureReleaseOrder
1 .. 1	xs:sequence
1 .. 1	ClaimID
0 .. 1	IssueTimeStamp
0 .. 1	ExpirationTimeStamp
0 .. 1	ClaimStatus
1 .. 1	

Occurrence	Element/Attribut
	Signature
1 .. 1	Notifications
1 .. 1	xs:sequence
1 .. unbounded	Notification
1 .. 1	xs:sequence
1 .. 1	Type
1 .. 1	Code
0 .. 1	Information

3 Guideline

Element/Attribute	Annotation
GermanPortsNotification	<p>Name GermanPortsNotification</p> <p>Occurrence 1 .. 1</p>
<p>xs:sequence</p> <p>Interchange</p>	<p>Occurrence 1 .. 1</p> <p>Typ gp:Interchange</p> <p>Description Each Interchange starts with an element containing some meta information, followed by one or more messages.</p>
<p>xs:sequence</p> <p>CreationTimeStamp</p>	<p>Occurrence 1 .. 1</p> <p>Typ gp:DocumentCreationTimeStamp</p> <p>Description Date and time of document creation. Format : 2024-03-31T13:20:00</p> <p>Example 2024-05-02T13:27:00</p>
ExchangeNumber	<p>Occurrence 1 .. 1</p> <p>Typ gp:DocumentExchangeNumber</p> <p>Length 1 .. 14</p> <p>Description A unique reference number of an interchange.</p> <p>Example 000ICEN4040857</p>
TestIndicator	<p>Occurrence 0 .. 1</p> <p>Typ xs:boolean</p> <p>Name Test Indicator</p>
Sender	<p>Occurrence 1 .. 1</p> <p>Typ gp:SenderType</p> <p>Description Information about the party who assembled and sent an interchange</p>
<p>xs:sequence</p> <p>ParticipantCode</p>	<p>Occurrence 1 .. 1</p> <p>Typ gp:ParticipantCode</p> <p>Length 1 .. 35</p> <p>Name Participant code</p>
<i>AgencyID</i>	<p>Typ xs:string</p> <p>Default DAK</p>
Contact	<p>Occurrence 0 .. 1</p> <p>Typ gp>Contact</p> <p>Description Message sender's contact information</p>
<p>xs:sequence</p> <p>Name</p>	<p>Occurrence 1 .. 1</p> <p>Typ gp>Name</p> <p>Length 1 .. 35</p> <p>Description Name or department of a contact</p>
Telephone	<p>Occurrence 0 .. 1</p> <p>Typ gp:Phone</p> <p>Length 1 .. 35</p> <p>Description Telephone communication number</p>
Email	<p>Occurrence 0 .. 1</p> <p>Typ gp:Email</p> <p>Length 3 .. 70</p> <p>Description Email Address</p>
Recipient	<p>Occurrence 1 .. 1</p> <p>Typ gp:RecipientType</p> <p>Description Contains Information about the party receiving an Interchange. This party may forward the whole interchange or split it up into individual messages which will be further processed.</p>

Element/Attribute	Annotation
xs:sequence	Occurrence 1 .. 1
ParticipantCode	Occurrence 1 .. 1 Typ gp:ParticipantCode Length 1 .. 35 Name Participant code Applicable Codes GERMANPORTS
GermanPortsNotificationMessage	Occurrence 1 .. unbounded Typ gp:GermanPortsNotificationMessage
xs:sequence	Occurrence 1 .. 1
MessageHeader	Occurrence 1 .. 1 Typ gp:MessageHeader Description The message header contains meta information about an actual message which is transmitted as part of an interchange.
xs:sequence	Occurrence 1 .. 1
Version	Occurrence 1 .. 1 Typ gp:MessageVersionID Fixed 0.9.2 Length .. 17 Description Version of the message definition on which a message is based
Function	Occurrence 1 .. 1 Typ gp:MessageFunctionCode Example CREATE Applicable Codes NOTIFICATION notification or status message RECEIPT Reply to an incoming message (acceptance or rejection)
ReferenceNumber	Occurrence 1 .. 1 Typ gp:MessageReferenceNumber Length .. 35 Description Unique reference number identifying a single message. An interchange may contain more than one message. Example 47110815
Sender	Occurrence 1 .. 1 Typ gp:SenderType Description This element contains information about the actual sender of a message (which might be different from the party who assembled and sent an interchange)
xs:sequence	Occurrence 1 .. 1
ParticipantCode	Occurrence 1 .. 1 Typ gp:ParticipantCode Length 1 .. 35 Name Participant code
AgencyID	Typ xs:string Default DAK
Contact	Occurrence 0 .. 1 Typ gp>Contact Description Contact Information
xs:sequence	Occurrence 1 .. 1
Name	Occurrence 1 .. 1 Typ gp:Name Length 1 .. 35 Description Name or department of a contact

Element/Attribute	Annotation
<ul style="list-style-type: none"> Telephone 	<p>Occurrence 0 .. 1</p> <p>Typ gp:Phone</p> <p>Length 1 .. 35</p> <p>Description Telephone communication number</p>
<ul style="list-style-type: none"> Email 	<p>Occurrence 0 .. 1</p> <p>Typ gp:Email</p> <p>Length 3 .. 70</p> <p>Description Email Address</p>
<ul style="list-style-type: none"> GermanPortsNotificationMessageDetails 	<p>Occurrence 1 .. 1</p> <p>Typ gp:GermanPortsNotificationMessageDetailsType</p>
<ul style="list-style-type: none"> xs:sequence 	<p>Occurrence 1 .. 1</p>
<ul style="list-style-type: none"> OriginalMessageReferenceNumber 	<p>Occurrence 0 .. 1</p> <p>Typ xs:string</p> <p>Description Refers to the message reference number in the original message. Only available with NOTIFICATION.</p>
<ul style="list-style-type: none"> Container 	<p>Occurrence 0 .. 1</p> <p>Typ gp:ContainerDetails</p> <p>Description Properties of a specific container</p>
<ul style="list-style-type: none"> xs:sequence 	<p>Occurrence 1 .. 1</p>
<ul style="list-style-type: none"> ContainerID 	<p>Occurrence 0 .. 1</p> <p>Typ gp:ContainerIDType</p> <p>Description Container ID including both prefix and numeric part (format PPPNNNNNNZ, for official numbers, the prefix must be a value listed in BIC code list!)</p>
<ul style="list-style-type: none"> GermanPortsID 	<p>Occurrence 0 .. 1</p> <p>Typ gp:PartyIDType</p> <p>Length 1 .. 35</p>
<ul style="list-style-type: none"> CustomerReferenceID 	<p>Occurrence 0 .. 1</p> <p>Typ gp:CustomerReferenceID</p> <p>Length 1 .. 35</p> <p>Description Unique reference ID assigned by the customer / ordering party. Will be sent only with a NOTIFICATION.</p> <p>Example XC4020080723CD</p>
<ul style="list-style-type: none"> SecureReleaseOrder 	<p>Occurrence 0 .. 1</p> <p>Typ gp:SecureReleaseOrderType</p> <p>Description Details regarding the release order. Generated by German Ports and not included in the message from the carrier to German Ports.</p>
<ul style="list-style-type: none"> xs:sequence 	<p>Occurrence 1 .. 1</p>
<ul style="list-style-type: none"> ClaimID 	<p>Occurrence 1 .. 1</p> <p>Typ gp:an..14Type</p> <p>Length .. 14</p> <p>Description Unique claimID (with leading zeros)</p>
<ul style="list-style-type: none"> IssueTimeStamp 	<p>Occurrence 0 .. 1</p> <p>Typ xs:dateTime</p> <p>Description Date/time of issue claim</p>
<ul style="list-style-type: none"> ExpirationTimeStamp 	<p>Occurrence 0 .. 1</p> <p>Typ xs:dateTime</p> <p>Description Time</p>
<ul style="list-style-type: none"> ClaimStatus 	<p>Occurrence 0 .. 1</p> <p>Typ gp:ClaimStatusType</p> <p>Description Current state of the claim</p>
Applicable Codes	
<ul style="list-style-type: none"> ACTIVE 	<p>The recipient of the claim has the right to pick up the container</p>

Element/Attribute	Annotation
	Applicable Codes CANCELLED Final status. The carrier cancelled the release. EXPIRED Final status. The pick up right is expired FINISHED Final status. The container was picked up. PASSED The right to pick up the container was passed on to another participant RETURNED The right to pick up has been returned to predecessor REVOKED The predecessor has withdrawn the pick up right USED The pick up right was used to register at the terminal
Signature	Occurrence 1 .. 1 Typ gp:SignatureType Description The base64 coded hash is being provided, that the owner again has to be add as codeword to his messages, in order to do something with his claim.
Notifications	Occurrence 1 .. 1
xs:sequence	Occurrence 1 .. 1
Notification	Occurrence 1 .. unbounded Typ gp:NotificationType
xs:sequence	Occurrence 1 .. 1
Type	Occurrence 1 .. 1 Typ gp:ResponseTypeDef Description Response type
Code	Occurrence 1 .. 1 Typ gp:NotificationCodeDef Length .. 8
Information	Occurrence 0 .. 1 Typ gp:ResponseInformationType

4 Example

4.1 Acknowledgement of receipt

```
<?xml version="1.0" encoding="UTF-8"?>
<ns:GermanPortsNotification xmlns:ns="http://xsd.germanports.com">
  <Interchange>
    <CreationTimeStamp>2025-02-11T15:45:50.050</CreationTimeStamp>
    <ExchangeNumber>000ICEN4040857</ExchangeNumber>
    <Sender>
      <ParticipantCode>GERMANPORTS</ParticipantCode>
    </Sender>
    <Recipient>
      <ParticipantCode>ONE</ParticipantCode>
    </Recipient>
  </Interchange>
  <GermanPortsNotificationMessage>
    <MessageHeader>
      <Version>1.0.0</Version>
      <Function>RECEIPT</Function>
      <ReferenceNumber>c16970954e1b420d9a809e48e7f4ed02</ReferenceNumber>
      <Sender>
        <ParticipantCode>GERMANPORTS</ParticipantCode>
      </Sender>
      <Recipient>
        <ParticipantCode>ONE</ParticipantCode>
      </Recipient>
    </MessageHeader>
    <GermanPortsNotificationMessageDetails>
      <Container>
        <ContainerID>ABCU1234566</ContainerID>
      </Container>
      <BillOfLadingID>DAKU250211001</BillOfLadingID>
      <Notifications>
        <Notification>
          <Type>INFO</Type>
          <Code>GP-001</Code>
          <Information>The message is technically OK.</Information>
        </Notification>
      </Notifications>
    </GermanPortsNotificationMessageDetails>
  </GermanPortsNotificationMessage>
</ns:GermanPortsNotification>
```