



# German Ports

## Notification Message XML


Message implementation guideline

Version 1.0.4/E



Mattentwiete 2  
20457 Hamburg  
[www.dakosy.de](http://www.dakosy.de)

Phone: + 49 40 37003 - 0  
[info@dakosy.de](mailto:info@dakosy.de)

dbh and DAKOSY	German Ports – Notification Message (XML)	
----------------	---	--

## Change history

Version	Concerned section	Reason	Name	Date
1.0.0/E	All	First version	Diettrich	20.01.2025
1.0.4/E		BL	Diettrich	25.03.2025
1.0.2/E	All	Removed: signature Added: PreviousOwner and CurrentOwner CustomerReference Changed some elements' status to mandatory	Schwanke	14.05.2025
1.0.3		Added TerminalID	Schwanke	30.05.2025
1.0.4		- Added recipient in message header for function = RECEIPT - PreviousOwner and CurrentOwner set to optional	Schwanke	03.07.2025

## Change Requests

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

### DAKOSY Datenkommunikationssystem AG

#### - Port Communication Services -

Mattentwiete 2  
20457 Hamburg

Tel.: 040 370030

AND

### dbh Logistics IT AG

Martinistr. 47-49  
28195 Bremen  
Tel.: 0421 30902-0

## Used Tools

Number	Used tools
W1	This document was created with the word processing programme <b>MS Word 2021</b> .
W2	Graphics and XSD-reports have been generated by GEFEG FX 7


## Liability

Please note that no liability claims can be derived towards dbh and DAKOSY for the content of this manual, despite careful developing and examination of this document!

dbh and DAKOSY	German Ports – Notification Message (XML)	
----------------	--	--

## Table of contents

<b>1</b>	<b>Messages.....</b>	<b>4</b>
<b>2</b>	<b>Message Structure.....</b>	<b>5</b>
<b>3</b>	<b>Guideline .....</b>	<b>7</b>

dbh and DAKOSY	German Ports – Notification Message (XML)	
----------------	---	--

# 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
	<b>GermanPortsNotification</b>
1 .. 1	xs:sequence
1 .. 1	<b>Interchange</b>
1 .. 1	xs:sequence
1 .. 1	<b>CreationTimeStamp</b>
1 .. 1	<b>ExchangeNumber</b>
0 .. 1	<b>TestIndicator</b>
1 .. 1	<b>Sender</b>
1 .. 1	xs:sequence
1 .. 1	<b>ParticipantCode</b>
	<i>AgencyID</i>
0 .. 1	<b>Contact</b>
1 .. 1	xs:sequence
1 .. 1	<b>Name</b>
0 .. 1	<b>Telephone</b>
0 .. 1	<b>Email</b>
1 .. 1	<b>Recipient</b>
1 .. 1	xs:sequence
1 .. 1	<b>ParticipantCode</b>
1 .. unbounded	<b>GermanPortsNotificationMessage</b>
1 .. 1	xs:sequence
1 .. 1	<b>MessageHeader</b>
1 .. 1	xs:sequence
1 .. 1	<b>Version</b>
1 .. 1	<b>Function</b>
1 .. 1	<b>ReferenceNumber</b>
1 .. 1	<b>Sender</b>
1 .. 1	xs:sequence
1 .. 1	<b>ParticipantCode</b>
0 .. 1	<b>Contact</b>
1 .. 1	xs:sequence
1 .. 1	<b>Name</b>
0 .. 1	<b>Telephone</b>
0 .. 1	<b>Email</b>
0 .. 9	<b>Recipient</b>
1 .. 1	xs:sequence
1 .. 1	<b>ParticipantCode</b>
1 .. 1	<b>GermanPortsNotificationMessageDetails</b>
1 .. 1	xs:sequence
0 .. 1	<b>OriginalMessageReferenceNumber</b>
1 .. 1	<b>Container</b>
1 .. 1	xs:sequence
0 .. 1	<b>ContainerID</b>
0 .. 1	<b>CustomerReference</b>
0 .. 1	<b>SecureReleaseOrder</b>
1 .. 1	xs:sequence
1 .. 1	<b>ClaimID</b>
0 .. 1	<b>TerminalID</b>
0 .. 1	<b>PreviousOwner</b>
0 .. 1	

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

Element/Attribute	Annotation
xs:sequence	Occurence 1 .. 1
ParticipantCode	Occurence 1 .. 1 Typ gp:ParticipantCode Length 1 .. 35 Name Participant code <b>Applicable Codes</b> <b>GERMANPORTS</b>
GermanPortsNotificationMessage	Occurence 1 .. unbounded Typ gp:GermanPortsNotificationMessage
xs:sequence	Occurence 1 .. 1
MessageHeader	Occurence 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	Occurence 1 .. 1
Version	Occurence 1 .. 1 Typ gp:MessageVersionID Fixed 1.0.4 Length .. 17 Description Version of the message definition on which a message is based
Function	Occurence 1 .. 1 Typ gp:MessageFunctionCode Example CREATE <b>Applicable Codes</b> <b>NOTIFICATION</b> notification or status message <b>RECEIPT</b> Reply to an incoming message (acceptance or rejection)
ReferenceNumber	Occurence 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	Occurence 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	Occurence 1 .. 1
ParticipantCode	Occurence 1 .. 1 Typ gp:ParticipantCode Length 1 .. 35 Name Participant code
Contact	Occurence 0 .. 1 Typ gp>Contact Description Contact Information
xs:sequence	Occurence 1 .. 1
Name	Occurence 1 .. 1 Typ gp>Name Length 1 .. 35 Description Name or department of a contact



Element/Attribute	Annotation
Telephone	<b>Occurence</b> 0 .. 1 <b>Typ</b> gp:Phone <b>Length</b> 1 .. 35 <b>Description</b> Telephone communication number
Email	<b>Occurence</b> 0 .. 1 <b>Typ</b> gp:Email <b>Length</b> 3 .. 70 <b>Description</b> Email Address
Recipient	<b>Occurence</b> 0 .. 9 <b>Typ</b> gp:RecipientType <b>Description</b> This element contains information about a message's recipient/s. Only available with message function RECEIPT
xs:sequence	<b>Occurence</b> 1 .. 1
ParticipantCode	<b>Occurence</b> 1 .. 1 <b>Typ</b> gp:ParticipantCode <b>Length</b> 1 .. 35 <b>Name</b> Participant code
GermanPortsNotificationMessageDetails	<b>Occurence</b> 1 .. 1 <b>Typ</b> gp:GermanPortsNotificationMessageDetailsType
xs:sequence	<b>Occurence</b> 1 .. 1
OriginalMessageReferenceNumber	<b>Occurence</b> 0 .. 1 <b>Typ</b> xs:string <b>Description</b> Refers to the message reference number in the original message. Only available with function RECEIPT
Container	<b>Occurence</b> 1 .. 1 <b>Typ</b> gp:ContainerDetails <b>Description</b> Properties of a specific container
xs:sequence	<b>Occurence</b> 1 .. 1
ContainerID	<b>Occurence</b> 0 .. 1 <b>Typ</b> gp:ContainerIDType <b>Description</b> Container ID including both prefix and numeric part (format PPPNNNNNNZ, for official numbers, the prefix must be a value listed in BIC code list!)
CustomerReference	<b>Occurence</b> 0 .. 1 <b>Typ</b> gp:CustomerReference <b>Length</b> 1 .. 32 <b>Pattern</b> [A-Z0-9]+ <b>Description</b> Unique reference ID assigned by the customer. In a notification, this reference is only visible for the next party. E. g., the bill of lading reference when passing from carrier to first release party, transport order number when passing from freight forwarder to trucker company. <b>Example</b> XC4020080723CD
SecureReleaseOrder	<b>Occurence</b> 0 .. 1 <b>Typ</b> gp:SecureReleaseOrderType <b>Description</b> Details regarding the release order. Generated by German Ports and not included in the message from the carrier to German Ports.
xs:sequence	<b>Occurence</b> 1 .. 1
ClaimID	<b>Occurence</b> 1 .. 1 <b>Typ</b> gp:ClaimID <b>Length</b> 10 .. 10 <b>Pattern</b> [0-9]{10} <b>Example</b> 0000001002

Element/Attribute	Annotation										
	<b>Description</b> German Ports Internal identification number. Unique identifier for the current owner. Every owner in the message chain has as different ClaimID										
– TerminalID	<b>Occurence</b> 0 .. 1 <b>Typ</b> gp:TerminalID <b>Length</b> 1 .. 4 <b>Description</b> Terminal to which the pickup right is linked to. Code as defined by SMDG. Please refer to <a href="https://smdg.org/documents/smdg-code-lists/smdg-terminal-code-list">https://smdg.org/documents/smdg-code-lists/smdg-terminal-code-list</a>										
– PreviousOwner	<b>Occurence</b> 0 .. 1 <b>Typ</b> gp:GermanPortsIDType <b>Length</b> 3 .. 17 <b>Description</b> Party which held the pickup authorisation before passing or returning it to the CurrentOwner.  Only available with statuses PASSED, REVOKED or RETURNED. Not available with USED, FINISHED, EXPIRED or CANCELLED  Participant code defined by German Ports. The German Ports ID is structured as follows: [VAT ID][number sequence][UNLocation code]. The VAT is always padded to 12 digits with zeros so that the same length is always created throughout Europe. UNLocation code is optional and depends on the company's structure definition in German Ports.  <b>Example</b> DE123456789000001 <b>Example</b> DE123456789000000										
– CurrentOwner	<b>Occurence</b> 0 .. 1 <b>Typ</b> gp:GermanPortsIDType <b>Length</b> 3 .. 17 <b>Description</b> Current owner of the pickup authorisation.  Only available with statuses PASSED, REVOKED or RETURNED. Not available with USED, FINISHED, EXPIRED or CANCELLED  Participant code defined by German Ports. The German Ports ID is structured as follows: [VAT ID][number sequence]. The VAT is always padded to 12 digits with zeros so that the same length is always created throughout Europe. Current holder auf the pick-up authorisation.  <b>Example</b> DE123456789000001 <b>Example</b> DE123456789000000										
– ExpirationTimeStamp	<b>Occurence</b> 0 .. 1 <b>Typ</b> xs:dateTime <b>Description</b> Timestamp, which defines when the pickup authorisation expires and can no longer be used.										
– ClaimStatus	<b>Occurence</b> 1 .. 1 <b>Typ</b> gp:ClaimStatusType <b>Description</b> Current state of the claim <b>Applicable Codes</b> <table> <tr> <td><b>ACTIVE</b></td><td>The recipient of the claim has the right to pick up the container</td></tr> <tr> <td><b>CANCELLED</b></td><td>Final status. The carrier cancelled the release.</td></tr> <tr> <td><b>EXPIRED</b></td><td>Final status. The pick up right is expired</td></tr> <tr> <td><b>FINISHED</b></td><td>Final status. The container was picked up.</td></tr> <tr> <td><b>PASSED</b></td><td>The right to pick up the container was passed on to another participant</td></tr> </table>	<b>ACTIVE</b>	The recipient of the claim has the right to pick up the container	<b>CANCELLED</b>	Final status. The carrier cancelled the release.	<b>EXPIRED</b>	Final status. The pick up right is expired	<b>FINISHED</b>	Final status. The container was picked up.	<b>PASSED</b>	The right to pick up the container was passed on to another participant
<b>ACTIVE</b>	The recipient of the claim has the right to pick up the container										
<b>CANCELLED</b>	Final status. The carrier cancelled the release.										
<b>EXPIRED</b>	Final status. The pick up right is expired										
<b>FINISHED</b>	Final status. The container was picked up.										
<b>PASSED</b>	The right to pick up the container was passed on to another participant										

Element/Attribute	Annotation	
<div> <div></div> <div> <div>Notifications</div> <div>xs:sequence</div> <div>Notification</div> <div>xs:sequence</div> <div>Type</div> <div>Code</div> <div>Information</div> </div> </div>	<b>Applicable Codes</b>	
	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
	Occurrence	1 .. 1
	Occurrence	1 .. 1
	Occurrence	1 .. unbounded
	Typ	gp:NotificationType
	Occurrence	1 .. 1
	Occurrence	1 .. 1
	Typ	gp:ResponseTypeDef
	Description	Response type
	Example	INFO
	Occurrence	1 .. 1
	Typ	gp:NotificationCodeDef
	Length	.. 8
	Example	GP-012
	Occurrence	0 .. 1
	Typ	gp:ResponseInformationType
	Example	The claim was successfully passed.