



German Ports

Notification Message XML

Message implementation guideline

Version 1.0.6/E



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Change history

Version	Concerned section	Reason	Name	Date
1.0.0/E	All	First version	Diettrich	20.01.2025
1.0.6/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
1.0.5		Added claimstatus ,DOWNGRADE_TO_PIN	Schwanke	11.11.2025
1.0.6		Added claimstatus PENDING_INSPECTION	Schwanke	27.11.2025

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
W1	This document was created with the word processing programme MS Word 2021 .
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dbh und DAKOSY	German Ports – Notification Message (XML)	
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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
0 .. 1	Contact
1 .. 1	xs:sequence
1 .. 1	Name
0 .. 1	Telephone
0 .. 1	Email
0 .. 9	Recipient
1 .. 1	xs:sequence
1 .. 1	ParticipantCode
1 .. 1	GermanPortsNotificationMessageDetails
1 .. 1	xs:sequence
0 .. 1	OriginalMessageReferenceNumber
1 .. 1	Container
1 .. 1	xs:sequence
0 .. 1	ContainerID
0 .. 1	CustomerReference
0 .. 1	SecureReleaseOrder
1 .. 1	xs:sequence
1 .. 1	ClaimID
0 .. 1	TerminalID
0 .. 1	PreviousOwner
0 .. 1	CurrentOwner
0 .. 1	ExpirationTimeStamp

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

Element/Attribute	Annotation
xs:sequence	Occurence 1 .. 1
ParticipantCode	Occurence 1 .. 1 Typ gp:ParticipantCode Length 1 .. 35 Name Participant code Applicable Codes GERMANPORTS
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 1.0.6 Length .. 17 Description Version of the message definition on which a message is based
Function	Occurence 1 .. 1 Typ gp:MessageFunctionCode Example CREATE Applicable Codes NOTIFICATION notification or status message RECEIPT 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
Telephone	Occurence 0 .. 1 Typ gp>Phone Length 1 .. 35

Element/Attribute	Annotation
<div> <div> <div>Email</div> </div> </div>	<div> <div>Description</div> <div>Telephone communication number</div> <div>Occurence</div> <div>0 .. 1</div> <div>Typ</div> <div>gp:Email</div> <div>Length</div> <div>3 .. 70</div> </div>
<div> <div> <div>Recipient</div> </div> </div>	<div> <div>Description</div> <div>Email Address</div> <div>Occurence</div> <div>0 .. 9</div> <div>Typ</div> <div>gp:RecipientType</div> <div>Description</div> <div>This element contains information about a message's recipient/s. Only available with message function RECEIPT</div> </div>
<div> <div> <div> <div>xs:sequence</div> </div> <div> <div>ParticipantCode</div> </div> </div> </div>	<div> <div>Occurence</div> <div>1 .. 1</div> <div>Occurence</div> <div>1 .. 1</div> <div>Typ</div> <div>gp:ParticipantCode</div> <div>Length</div> <div>1 .. 35</div> <div>Name</div> <div>Participant code</div> </div>
<div> <div> <div>GermanPortsNotificationMessageDetails</div> </div> </div>	<div> <div>Occurence</div> <div>1 .. 1</div> <div>Typ</div> <div>gp:GermanPortsNotificationMessageDetailsType</div> </div>
<div> <div> <div> <div>xs:sequence</div> </div> <div> <div>OriginalMessageReferenceNumber</div> </div> </div> </div>	<div> <div>Occurence</div> <div>1 .. 1</div> <div>Occurence</div> <div>0 .. 1</div> <div>Typ</div> <div>xs:string</div> <div>Description</div> <div>Refers to the message reference number in the original message. Only available with function RECEIPT</div> </div>
<div> <div> <div> <div>Container</div> </div> </div> </div>	<div> <div>Occurence</div> <div>1 .. 1</div> <div>Typ</div> <div>gp:ContainerDetails</div> <div>Description</div> <div>Properties of a specific container</div> </div>
<div> <div> <div> <div>xs:sequence</div> </div> <div> <div>ContainerID</div> </div> </div> </div>	<div> <div>Occurence</div> <div>1 .. 1</div> <div>Occurence</div> <div>0 .. 1</div> <div>Typ</div> <div>gp:ContainerIDType</div> <div>Description</div> <div>Container ID including both prefix and numeric part (format PPPNNNNNNZ, for official numbers, the prefix must be a value listed in BIC code list!)</div> </div>
<div> <div> <div>CustomerReference</div> </div> </div>	<div> <div>Occurence</div> <div>0 .. 1</div> <div>Typ</div> <div>gp:CustomerReference</div> <div>Length</div> <div>1 .. 32</div> <div>Pattern</div> <div>[A-Z0-9]+</div> <div>Description</div> <div>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.</div> <div>Example</div> <div>XC4020080723CD</div> </div>
<div> <div> <div>SecureReleaseOrder</div> </div> </div>	<div> <div>Occurence</div> <div>0 .. 1</div> <div>Typ</div> <div>gp:SecureReleaseOrderType</div> <div>Description</div> <div>Details regarding the release order. Generated by German Ports and not included in the message from the carrier to German Ports.</div> </div>
<div> <div> <div> <div>xs:sequence</div> </div> <div> <div>ClaimID</div> </div> </div> </div>	<div> <div>Occurence</div> <div>1 .. 1</div> <div>Occurence</div> <div>1 .. 1</div> <div>Typ</div> <div>gp:ClaimID</div> <div>Length</div> <div>10 .. 10</div> <div>Pattern</div> <div>[0-9]{10}</div> <div>Example</div> <div>0000001002</div> <div>Description</div> <div>German Ports Internal identification number. Unique identifier for the current owner. Every owner in the message chain has as different ClaimID</div> </div>

Element/Attribute	Annotation												
– TerminalID	<p>Occurence 0 .. 1</p> <p>Typ gp:TerminalID</p> <p>Length 1 .. 4</p> <p>Description Terminal to which the pickup right is linked to. Code as defined by SMDG. Please refer to https://smdg.org/documents/smdg-code-lists/smdg-terminal-code-list</p>												
– PreviousOwner	<p>Occurence 0 .. 1</p> <p>Typ gp:GermanPortsIDType</p> <p>Length 3 .. 17</p> <p>Description Party which held the pickup authorisation before passing or returning it to the CurrentOwner.</p> <p>Only available with statuses PASSED, REVOKED or RETURNED. Not available with USED, FINISHED, EXPIRED or CANCELLED</p> <p>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.</p> <p>Example DE123456789000001</p> <p>Example DE123456789000000</p>												
– CurrentOwner	<p>Occurence 0 .. 1</p> <p>Typ gp:GermanPortsIDType</p> <p>Length 3 .. 17</p> <p>Description Current owner of the pickup authorisation.</p> <p>Only available with statuses PASSED, REVOKED or RETURNED. Not available with USED, FINISHED, EXPIRED or CANCELLED</p> <p>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.</p> <p>Current holder auf the pick-up authorisation.</p> <p>Example DE123456789000001</p> <p>Example DE123456789000000</p>												
– ExpirationTimeStamp	<p>Occurence 0 .. 1</p> <p>Typ xs:dateTime</p> <p>Description Timestamp, which defines when the pickup authorisation expires and can no longer be used.</p>												
– ClaimStatus	<p>Occurence 1 .. 1</p> <p>Typ gp:ClaimStatusType</p> <p>Description Current state of the claim</p> <p>Applicable Codes</p> <table> <tr> <td>ACTIVE</td><td>The recipient of the claim has the right to pick up the container</td></tr> <tr> <td>CANCELLED</td><td>Final status. The carrier cancelled the release.</td></tr> <tr> <td>DOWNGRADED_TO_PIN</td><td>May occur during migration period: Pick-up right has been 'downgraded' to usage of PIN. Process has to be managed by usage of PIN.</td></tr> <tr> <td>EXPIRED</td><td>Final status. The pick up right is expired</td></tr> <tr> <td>FINISHED</td><td>Final status. The container was picked up.</td></tr> <tr> <td>PASSED</td><td>The right to pick up the container was passed on to another participant</td></tr> </table>	ACTIVE	The recipient of the claim has the right to pick up the container	CANCELLED	Final status. The carrier cancelled the release.	DOWNGRADED_TO_PIN	May occur during migration period: Pick-up right has been 'downgraded' to usage of PIN. Process has to be managed by usage of PIN.	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
ACTIVE	The recipient of the claim has the right to pick up the container												
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PASSED	The right to pick up the container was passed on to another participant												

Element/Attribute	Annotation		
	PENDING_INSPECTION	The Pending Inspection Status is used for Customs (CPA) or Veterinary (VET) inspections. During this status, the Pick-Up Right is „frozen“ for the duration of the inspection.	
	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	
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	
	Example	INFO	
Code	Occurrence	1	.. 1
	Typ	gp:NotificationCodeDef	
	Length	.. 8	
	Example	GP-012	
Information	Occurrence	0	.. 1
	Typ	gp:ResponseInformationType	
	Example	The claim was successfully passed.	