



German Ports

Notification Message XML

Message implementation guideline

Version 1.0.3/E



Mattentwiete 2
20457 Hamburg
www.dakosy.de

Phone: + 49 40 37003 - 0
info@dakosy.de

Change history

Version	Concerned section	Reason	Name	Date
1.0.0/E	All	First version	Diettrich	20.01.2025
1.0.3/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/E		Added TerminalID	Schwanke	30.05.2025

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 MS Word 2021 .
W2	Graphics and XSD-reports have been generated by GEFEG FX 7

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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
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
1 .. 1	PreviousOwner
1 .. 1	CurrentOwner
0 .. 1	ExpirationTimeStamp
1 .. 1	

Occurrence	Element/Attribut
	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

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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.
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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 1.0.3 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
AgencyID	Typ xs:string Default DAK
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	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
GermanPortsNotificationMessageDetails	Occurence 1 .. 1 Typ gp:GermanPortsNotificationMessageDetailsType
xs:sequence	Occurence 1 .. 1
OriginalMessageReferenceNumber	Occurence 0 .. 1 Typ xs:string Description Refers to the message reference number in the original message. Only available with NOTIFICATION as receipt message
Container	Occurence 1 .. 1 Typ gp:ContainerDetails Description Properties of a specific container
xs:sequence	Occurence 1 .. 1
ContainerID	Occurence 0 .. 1 Typ gp:ContainerIDType 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!)
CustomerReference	Occurence 0 .. 1 Typ gp:CustomerReference Length 1 .. 32 Pattern [A-Z0-9]+ Description 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. Example XC4020080723CD
SecureReleaseOrder	Occurence 0 .. 1 Typ gp:SecureReleaseOrderType Description Details regarding the release order. Generated by German Ports and not included in the message from the carrier to German Ports.
xs:sequence	Occurence 1 .. 1
ClaimID	Occurence 1 .. 1 Typ gp:ClaimID Length 10 .. 10 Pattern [0-9]{10} Example 0000001002 Description German Ports Internal identification number. Unique identifier for the current owner. Every owner in the message chain has as different ClaimID
TerminalID	Occurence 0 .. 1 Typ gp:TerminalID Length 1 .. 4 Description Terminal code as defined by SMDG. Please refer to https://smdg.org/documents/smdg-code-lists/smdg-terminal-code-list

Element/Attribute	Annotation																
PreviousOwner	Occurence 1 .. 1 Typ gp:GermanPortsIDType Length 3 .. 17 Description Party which held the pickup authorisation before passing or returning it to the CurrentOwner. 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. Example DE123456789000001 Example DE123456789000000																
CurrentOwner	Occurence 1 .. 1 Typ gp:GermanPortsIDType Length 3 .. 17 Description Current owner of the pickup authorisation. 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. Example DE123456789000001 Example DE123456789000000																
ExpirationTimeStamp	Occurence 0 .. 1 Typ xs:dateTime Description Timestamp, which defines when the pickup authorisation expires and can no longer be used.																
ClaimStatus	Occurence 1 .. 1 Typ gp:ClaimStatusType Description Current state of the claim Applicable Codes <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>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> <tr> <td>RETURNED</td><td>The right to pick up has been returned to predecessor</td></tr> <tr> <td>REVOKED</td><td>The predecessor has withdrawn the pick up right</td></tr> <tr> <td>USED</td><td>The pick up right was used to register at the terminal</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.	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
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Notifications	Occurence 1 .. 1																
xs:sequence	Occurence 1 .. 1																
Notification	Occurence 1 .. unbounded Typ gp:NotificationType																
xs:sequence	Occurence 1 .. 1																
Type	Occurence 1 .. 1 Typ gp:ResponseTypeDef Description Response type Example INFO																

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Element/Attribute	Annotation
Code	Occurrence 1 .. 1 Type gp:NotificationCodeDef Length .. 8 Example GP-012
Information	Occurrence 0 .. 1 Type gp:ResponseInformationType Example The claim was successfully passed.