German Ports

Notification Message XML

Message implementation guideline
Version 1.0.5/E

DAKOSY Datenkommunikationssystem AG
dbh

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
1.0.5/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

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

Liability

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

Table of contents

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**
	AgencyID
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
xs:sequence	Occurence	1 .. 1
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	Occurence	1 .. 1
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	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	Message sender's 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
	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.

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	1.0.5
	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	Uniqe 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
	Description	Telephone communication number

Element/Attribute	Annotation	
Email	Occurence	0 .. 1
	Typ	gp:Email
	Length	3 .. 70
	Description	Email Address
Recipient	Occurence	0 .. 9
	Typ	gp:RecipientType
	Description	This element contains information about a message's recipient/s. Only available with message function RECEIPT
xs:sequence	Occurence	1 .. 1
ParticipantCode	Occurence	1 .. 1
	Typ	gp:ParticipantCode
	Length	1 .. 35
	Name	Participant code
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 function RECEIPT
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

Element/Attribute	Annotation	
	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
PreviousOwner	Occurence	0 .. 1
	Typ	gp:GermanPortsIDType
	Length	3 .. 17
	Description	Party which held the pickup authorisation before passing or returning it to the CurrentOwner. Only available with statusses 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.
	Example	DE123456789000001
	Example	DE123456789000000
CurrentOwner	Occurence	0 .. 1
	Typ	gp:GermanPortsIDType
	Length	3 .. 17
	Description	Current owner of the pickup authorisation. Only available with statusses 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.
	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	
	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
	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.

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