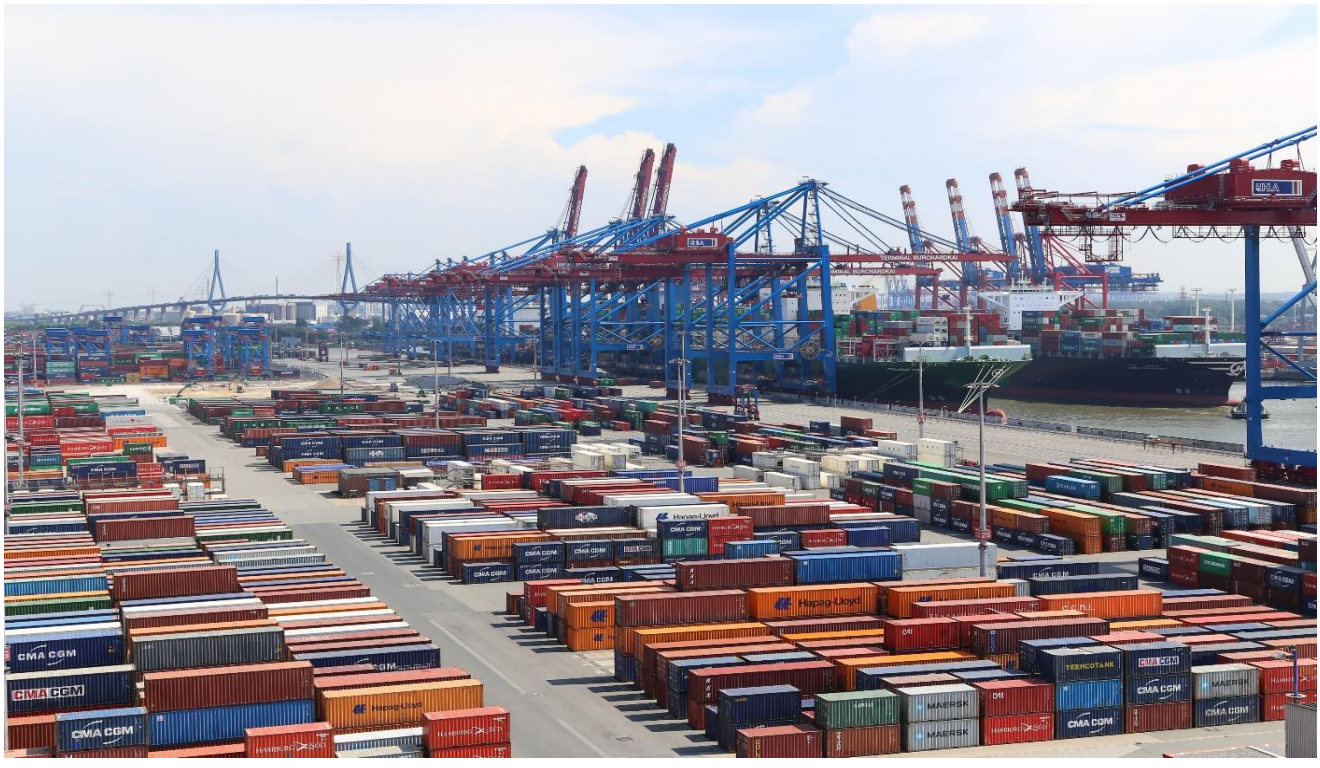

German Ports

Secure Release Order XML

Message implementation guideline
Version 1.0/E

(Valid from May 2024)

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Change Log

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Change Requests

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Used Tools

Number	Used tools
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1 Messages

Similar to other EDI systems, German Ports accepts various request messages for creating a release order. These request messages can be sent in two different formats: XML messages (type “Request”) or an EDIFACT message (type “COREOR”). The format of the request message determines the format of the subsequent response: a request sent via XML will trigger an XML response, while a request sent via EDIFACT will trigger an APERAK response.

This implementation guide describes the content and structure of the Secure Release Order XML message sent to German Ports by the carrier needed to create the digital Pick-Up Right.

1.1 Structure

The XML messages are normally composed according to the following structure:

```
<Name_der Nachricht>
        <Interchange>
                Meta-Daten Interchange
        </Interchange>
        <Fachliche Nachricht 1>
                Meta-Daten Nachricht1
                  <Kopfdaten/>
                  <Details/>
        </Fachliche Nachricht 1>
        <Fachliche Nachricht 2>
                Meta-Daten Nachricht 2
                  <Kopfdaten/>
                  <Details/>
        </Fachliche Nachricht 2>
        …
        <Fachliche Nachricht n>
                Meta-Daten Nachricht n
                  <Kopfdaten/>
                  <Details/>
```

An interchange, comparable with a physical transmission file, includes one or more messages. Basically only documents of the same message type are incorporated in an interchange. Thus, disposals, status messages or the like are not combined in a transmission, but only messages of one type – the disposal (i.e. release order) in this case.

The meta information is prepended to the technical messages of the interchange. It describes data regarding the physical transmission, e.g. the sender, receiver and creation of the file.

The meta information of the technical message, for instance, indicate the identity of the sender and receiver of the data.

2 Message Structure

Occurrence	Element/Attribute
	GermanPortsReleaseOrder
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**
1 .. 1	**Recipient**
1 .. 1	xs:sequence
1 .. 1	**ParticipantCode**
1 .. unbounded	**GPReleaseOrder**
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**
1 .. 1	**Recipient**
1 .. 1	xs:sequence
1 .. 1	**ParticipantCode**
1 .. 1	**GPReleaseOrderDetails**
1 .. 1	xs:sequence
0 .. 1	**Container**
1 .. 1	xs:sequence
0 .. 1	**ContainerID**
1 .. 1	**BillOfLadingID**
0 .. 1	**HandlingType**
1 .. 1	**CustomerIdentification**
0 .. 1	**CustomerReferenceID**
0 .. 1	**Vessel**
1 .. 1	xs:sequence
0 .. 1	**IMO**
0 .. 1	**CallSign**
0 .. 1	**Name**
0 .. 1	**Terminal**
1 .. 1	xs:sequence
0 .. 1	**LocationID**
0 .. 1	**TerminalID**
0 .. 1	**TerminalName**
0 .. 1	**ReleaseOrderReference**
0 .. 1	**IssueTimeStamp**

Occurrence	Element/Attribute
0 .. 1	ExpirationDate
0 .. 1	**ReturnLocationData**
1 .. 1	xs:sequence
0 .. 1	**FacilityLocation**
1 .. 1	xs:sequence
0 .. 1	LocationID
0 .. 1	FacilityID
0 .. 1	FacilityName
0 .. 1	TurnInReference
0 .. 1	**SecureReleaseOrder**
1 .. 1	xs:sequence
1 .. 1	ClaimID
0 .. 1	IssueTimeStamp
0 .. 1	ExpirationTimeStamp
0 .. 1	ClaimStatus
1 .. 1	Signature

3 Segment Description

Element/Attribute	Annotation	
GermanPortsReleaseOrder		
xs:sequence	Occurence	1 .. 1
Interchange	Occurence	1 .. 1
	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
	Description	Date and time of document creation. Format : 2024-03-31T13:20:00
	Example	2024-05-02T13:27:00
ExchangeNumber	Occurence	1 .. 1
	Length	1 .. 14
	Description	A unique reference number of an interchange.
	Example	000ICEN4040857
TestIndicator	Occurence	0 .. 1
	Name	Test Indicator
Sender	Occurence	1 .. 1
	Description	Information about the party who assembled and sent an interchange
xs:sequence	Occurence	1 .. 1
ParticipantCode	Occurence	1 .. 1
	Length	1 .. 35
	Name	Participant code
Recipient	Occurence	1 .. 1
	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
	Length	1 .. 35
	Name	Participant code
GPReleaseOrder	Occurence	1 .. unbounded
xs:sequence	Occurence	1 .. 1
MessageHeader	Occurence	1 .. 1
	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
	Fixed	0.9.1
	Length	.. 17
	Description	Version of the message definition on which a message is based
	Example	0.9.1
Function	Occurence	1 .. 1
	Example	9
ReferenceNumber	Occurence	1 .. 1
	Length	.. 35
	Description	Uniqe reference number identifying a single message. An interchange may contain more than one message.

Element/Attribute	Annotation	
	Example	47110815
Sender	Occurence	1 .. 1
	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
	Length	1 .. 35
	Name	Participant code
Recipient	Occurence	1 .. 1
	Description	This element contains information about a message's recipient/s.
xs:sequence	Occurence	1 .. 1
ParticipantCode	Occurence	1 .. 1
	Length	1 .. 35
	Name	Participant code
GPReleaseOrderDetails	Occurence	1 .. 1
	Description	Message with technical data for the release
xs:sequence	Occurence	1 .. 1
Container	Occurence	0 .. 1
	Description	Properties of a specific container
xs:sequence	Occurence	1 .. 1
ContainerID	Occurence	0 .. 1
	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!)
BillOfLadingID	Occurence	1 .. 1
	Length	1 .. 35
	Description	Document number of the bill of lading
HandlingType	Occurence	0 .. 1
	Description	Mode of transport: carriers or merchants haulage
CustomerIdentification	Occurence	1 .. 1
	Length	1 .. 35
	Description	GermanPortsID: ID of the customer, to whom the release shall be transmitted or who shall receive the right to pickup.
	Example	DE7654321.DEHAM
CustomerReferenceID	Occurence	0 .. 1
	Length	1 .. 35
	Description	Freight Forwarder's reference.
	Example	XC4020080723CD
Vessel	Occurence	0 .. 1
	Description	Transport means used for this transport leg
xs:sequence	Occurence	1 .. 1
IMO	Occurence	0 .. 1
	Length	1 .. 7
	Description	IMO number
CallSign	Occurence	0 .. 1
	Length	1 .. 7
	Description	Call sign of a vessel
Name	Occurence	0 .. 1
	Length	1 .. 35

Element/Attribute	Annotation	
	Description	Name of the means of transport
Terminal	Occurence	0 .. 1
	Description	Terminal where the container will be discharged/accepted.
xs:sequence	Occurence	1 .. 1
LocationID	Occurence	0 .. 1
	Length	1 .. 5
	Description	UN Location code
TerminalID	Occurence	0 .. 1
	Length	1 .. 17
TerminalName	Occurence	0 .. 1
	Length	1 .. 35
	Description	The name of a terminal
ReleaseOrderReference	Occurence	0 .. 1
	Length	.. 15
	Description	Release Number. Will be removed after migration period. Final date tbd.
IssueTimeStamp	Occurence	0 .. 1
	Description	Date/time of issuing
ExpirationDate	Occurence	0 .. 1
	Description	expiration date, end of a period
ReturnLocationData	Occurence	0 .. 1
	Description	Information on the return of the containers
xs:sequence	Occurence	1 .. 1
FacilityLocation	Occurence	0 .. 1
	Description	Return depot/ empty depot. One or more of the following elements can be transmitted.
xs:sequence	Occurence	1 .. 1
LocationID	Occurence	0 .. 1
	Length	1 .. 5
	Description	Specification of UNLocationCode, where the depot is located
FacilityID	Occurence	0 .. 1
	Length	1 .. 9
	Description	Facilitycode der BIC. Siehe auch https://www.bic-code.org/facility-codes/
FacilityName	Occurence	0 .. 1
	Length	1 .. 35
	Description	Name of facility (depot)
TurnInReference	Occurence	0 .. 1
	Length	.. 35
	Description	Turn in reference for empty containers.
SecureReleaseOrder	Occurence	0 .. 1
	Description	Information on transfer of rights. Details regarding the release order. Generated by German Ports, meaning: Carrier to German Ports: not included German Ports to carrier: included
xs:sequence	Occurence	1 .. 1
ClaimID	Occurence	1 .. 1
	Length	.. 14
	Description	Unique claimID (with leading zeros)
IssueTimeStamp	Occurence	0 .. 1
	Description	Date/time of issue claim

Element/Attribute	Annotation	
ExpirationTimeStamp	Occurence	0 .. 1
	Description	Zeitpunkt, zu dem das Recht am Container abläuft
ClaimStatus	Occurence	0 .. 1
	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.
	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	Occurence	1 .. 1
	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.