



German Ports

REST API Guide

Transfer of PickUp Rights

Version 0.8



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1 Introduction

This document provides a technical overview of the interface that enables participants to integrate with the German Ports platform through the use of Claim Transfer & Notification messages. It facilitates secure and efficient communication as part of the implementation of the Secure Release Order process.

The interface is designed to allow logistical companies to exchange structured messages with the German Ports platform via a standardised communication protocol.

The primary audience for this document is technical teams at logistical companies, specifically software developers, system architects, and system integrators responsible for integrating their Transport Management System (TMS) or specific TMS modules with the German Ports platform.

The interface is implemented as a REST API, enabling the exchange of requests and responses between the TMS of logistical companies and the German Ports platform. All communication occurs via the German Ports Postbox, which serves as an intermediary, delivering information specific to each logistical company. The interface is strictly limited to interactions between the TMS of logistical companies and the German Ports platform, including its underlying database.

N.B.: A glossary of terms is currently in definition and will be added to this document in the next update.

Authentication details are pending definition and will be documented in a later section.

2 General Overview

The SRO-REST API serves as the primary interface for logistical companies to interact with the German Ports platform, ensuring the secure and efficient exchange of information required to handle Secure Release Orders (SROs). Through this interface, logistical companies can perform the following actions:

ClaimTransfer:

- Transfer a claim: Assigns a claim to another participant, granting them the associated Pick-Up Right ('PASS').
- Revoke a claim: Withdraws a previously assigned claim, removing the recipient's entitlement to the associated Pick-Up Right ('REVOKE').
- Return a claim – Used when a participant needs to return a claim they previously received, for example, if they were mistakenly assigned a Pick-Up Right ('RETURN').

Notifications:

- 'Receipt' - Whenever a ClaimTransfer is sent, a corresponding Notification Message with the function „Receipt” is generated in response. This receipt confirms whether the ClaimTransfer was processed successfully or unsuccessfully. Additionally, the receipt serves as a response to the specific type of ClaimTransfer and includes a processing status. The different statuses are detailed under the ClaimStatus element/attribute in the guideline section below.

- 'Notification' - In addition to the receipt, a Notification message is sent to the Postbox of the affected party. It informs them of any changes and the current status related to the claim, ensuring that all relevant stakeholders are updated in a timely manner.

2.1 System Components & Interactions

The system architecture consists of three core components:

1. Transport Management Systems (TMS): The TMS initiates API requests to submit ClaimTransfers, receives receipts in response. The TMS can always poll the postbox for updates.
2. German Ports Postbox: Acts as the central messaging hub, processing requests from terminals and logistical companies and providing responses based on stored claim and Release Order data.
3. German Ports Database: Stores all claims, Release Order information, and related logs to ensure secure validation and traceability.

The API follows a RESTful architecture, using standard HTTPS methods for communication. All requests and responses are exchanged in JSON format.

3 Endpoints

3.1 ClaimTransfer (CT)

3.1.1 Description

The ClaimTransfer & Notification endpoint is used by logistical companies to manage the Pick-Up Right through the following functions: transfer, revoke, and return a claim. This process generates a Receipt for the initiating party and a Notification for the receiving party (i.e. the passive participant in the transaction). The following ClaimTransfer actions are defined:

- 'PASS' – The claim is passed on to the next (specified) company.
- 'REVOKE' - The claim is revoked by the party that previously passed it.
- 'RETURN' - The claim is returned to the party that initially passed it.

Notifications are divided into two types:

- A Receipt for the initiating (active) party, sent directly in the API response.
- A Notification for the receiving (passive) party, delivered via the German Ports Postbox. Each action requires the claim to be in a specific status for the initiating party¹:
 - 'PASS': the claim must be in the status 'ACTIVE' for the party, which is initiating the 'PASS'
 - 'REVOKE': the claim must be in the status 'PASSED' for the party, which is initiating the 'REVOKE'
 - 'RETURN': the claim must be in the status 'ACTIVE' for the party, which is initiating the 'RETURN'
- **Method:** POST
- **Endpoint:** /sro/v1/claims/claimTransfer
- **Content-Type:** application/json
- **Authentication:** apiKey (SimpleBasicAuth)²

¹ The Notification is described in Section 3.2.

² SimpleBasicAuth (user and PW, API key) is set for the test environment in the first step. German Ports sets MTLS as the minimum requirement for authentication.

3.1.2 General request parameter description

ClaimTransfer

Parameter	Type	Required	Description
gprold	string	Conditional	<p>The German Ports ID of the participant the claim should be passed to. Must be 3-17 characters. 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. Example: DE123456789000000.</p> <p>Condition: It is not necessary to enter an GermanportsId to revoke a claim.</p>
customerReference	string	Optional	<p>Field for transmitting a customer reference. This reference is only visible for the next party. For the first Release Party this reference is filled with the Ocean Bill of Lading.</p> <p>A customerReference should always be carried by the party passing on a pick-up right so that the next party can identify the process in its own system.</p> <p>maxLength: 32 minLength: 3 pattern: [A-Z0-9]+</p>
actionType	string	Mandatory	The actual action, which should be executed with the ClaimTransfer (PASS, REVOKE, RETURN)
containerId	string	Mandatory	The container number. Must be 3-16 characters.
claimId	string	Mandatory	<p>German Ports Internal identification number</p> <p>maxLength: 10 minLength: 10 pattern: [0-9]{10} example: 0000001002</p>

3.1.3 General response parameter description

Receipt

Parameter	Type	Required	Description
sender	string	Mandatory	The German Ports ID of the sending party (i.e. the party triggering an action to the PickUpRight). Must be 3-17 characters. 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. Example: DE1234567890000000.
previousOwner	string	Mandatory	The German Ports ID of the sending party (i.e. the party triggering an action to the PickUpRight). Must be 3-17 characters. 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. Example: DE1234567890000000.
currentOwner	string	Mandatory	The German Ports ID of the current PickUpRight holder. Must be 3-17 characters. 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. Example: DE1234567890000000.
customerReference	string	Conditional	Field for transmitting a customer reference. This reference is only visible for the next party. For the first Release Party this reference is filled with the Ocean Bill of Lading. Condition: If the previous party has specified a customerReference, one must also be displayed. A customerReference should always be carried by the party passing on a pick-up right so that the next party can identify the process in its own system. Pattern: maxLength: 32 minLength: 3 pattern: [A-Z0-9]+
terminalId	string	Mandatory	SMDG Terminal Code (https://smdg.org/documents/smdg-code-lists/smdg-terminal-code-list/)
expirationDate	string	Optional	The expiration date of the pick up right Format: YYYY-MM-DDThh:mm:ss.sssZ
containerId	string	Mandatory	The container number. Must be 3-16 characters.
claimId	string	Mandatory	German Ports Internal identification number. maxLength: 10 minLength: 10 pattern: [0-9]{10} example: 0000001002
claimStatus	string	Mandatory	The current status of the claim.

			List: [ACTIVE, PASSED, REVOKED, RETURNED, USED, FINISHED, CANCELLED, EXPIRED]
type	string	Mandatory	The type of notification can currently only be 'INFO' for information. A further status could be added in the future.
code	string	Mandatory	<p>GP-Code Structure</p> <p>GP-012 = "The claim was successfully passed"</p> <p>GP-013 = "The claim has been returned."</p> <p>GP-014 = "The claim was transferred to you."</p> <p>GP-015 = "The claim has been revoked."</p> <p>GP-016 = "Revoking successful. ClaimXYZ is now active."</p> <p>GP-018 = "The claim has been cancelled."</p> <p>GP-019 = "The claim has expired."</p> <p>GP-025 = "The claim has been used."</p> <p>GP-026 = "The claim has been completed."</p> <p>A public Code list can be found on www.germanports.com</p>
Information	string	Optional	Free text

3.1.4 Example Requests and Responses

Example Requests 1

N.B.: All the following example requests include fictitious number sequences to imitate specific IDs

ClaimTransfer ,PASS‘

```
{
  "containerId": "CONT987654",
  "gprold": " DE123454678000000",
  "actionType": "PASS"
  "ClaimID": "0000000002"
}
```

Response Details 1

Receipt:

```
{
  "sender": " DE123456789000000",
  "previousOwner " : " DE123456789000000",
  "currentOwner " : " DE123456789000000",
  "customerReference " : " bol1234567",
  "terminalId" : "abc"
  "expirationDate" : "2025-08-02T23:59:59"
  "containerId" : " CONT987654",
  "claimId" : "0000000002",
  "claimStatus" : "PASSED",
  "notifications" : {
    "notification" : {
      "type" : "INFO",
      "code" : "GP-012",
      "information" : "The claim was successfully passed"
    }
  }
}
```

Example Requests 2

ClaimTransfer 'REVOKE'

```
{  
  "containerId": "CONT987654",  
  "actionType": "REVOKE"  
}
```

Response Details 2

Receipt:

```
{  
  "sender": "DE123456789000000",  
  "previousOwner " : "DE123456789000000",  
  "currentOwner " : "DE123456789000000",  
  "customerReference " : " bol1234567",  
  "terminalId" : "abc"  
  "expirationDate" : "2025-08-02T23:59:59"  
  "containerId" : " CONT987654",  
  "claimId" : "00000000003",  
  "claimStatus" : "PASSED",  
  "notifications" : {  
    "notification" : {  
      "type" : "INFO",  
      "code" : "GP-016",  
      "information" : "Revoking successful. 0000000004 is now active."  
    }  
  }  
}
```

Example Requests 3

ClaimTransfer 'RETURN'

```
{
  "containerId": "CONT987654",
  "actionType": "RETURN"
}
```

Response Details 3

Receipt:

```
{
  "sender": "DE123456789000000",
  "previousOwner " : " DE123456789000000",
  "currentOwner " : " DE123456789000000",
  "customerReference " : " bol1234567",
  "terminalId" : "abc"
  "expirationDate" : "2025-08-02T23:59:59"
  "containerId" : " CONT987654",
  "claimId" : "00000000005",
  "claimStatus" : "RETURN",
  "notifications" : {
    "notification" : {
      "type" : "INFO",
      "code" : "GP-013",
      "information" : "The claim has been returned."
    }
  }
}
```

Error Handling:

Status Code		Description
GP-213	Claim xxx is a root claim.	The claim that triggers this action mustn't be a root claim.
GP-214	Claim xxx has wrong status.	The claim has the wrong status for the desired action.
GP-216	There is no active Claim in the chain of xxx	No active claim was found at the end of the chain of the present claim.
GP-221	The hash of claim 123 is incorrect.	The calculated hash of the claim does not match the one previously saved. It is possible that its data has been tampered with.
GP-223	Unknown German Ports ID xxx	The provided German Ports ID could not be assigned to any participant of German Ports Release Order or Secure Release Order.

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3.2 RequestPostBox (RPB)

3.2.1 Description

The RPB endpoint is used by German Ports client to get new event changes.

The system attempts to find any relevant associated with the respective German Ports ID. The following pre-conditions must be met:

1. A Notification is available in the PostBox if:
 - a. Trigger 1: if a PickUp Right is passed to the logistician.
 - b. Trigger 2: if a PickUp Right is revoked from the logistician.
 - c. Trigger 3: if a PickUp Right is expired
 - d. Trigger 4: if a PickUp Right is cancelled
 - e. Trigger 5: if a PickUp Right is returned to the logistician.
 - f. Trigger 6: if a PickUP Right is Used
 - g. Trigger 7: if a PickUp Right is Finished

Request Details

- **Method:** GET
- **Endpoint:** /sro/v1/claims/postbox
- **Content-Type:** application/json
- **Authentication:** apiKey (SimpleBasicAuth)³

3.2.2 General request parameter description

Parameter	Type	Required	Description
startTimeStamp	string	Optional	Defines the time from when data is received and from when results will be listed. Format: YYYY-MM-DDThh:mm:ss.sssZ
endTimeStamp	string	Optional	Defines the time until when data can be retrieved. Format: YYYY-MM-DDThh:mm:ss.sssZ

³ SimpleBasicAuth (user and PW, API key) is set for the test environment in the first step. German Ports sets MTLS as the minimum requirement for authentication.

3.2.3 General response parameter description

Notification - The information for the party involved in the process

Parameter	Type	Required	Description
sender	string	Mandatory	The German Ports ID of the sending party (i.e. the party triggering an action to the PickUpRight). Must be 3-17 characters. 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. Example: DE1234567890000000.
previousOwner	string	Mandatory	The German Ports ID of the sending party (i.e. the party triggering an action to the PickUpRight). Must be 3-17 characters. 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. Example: DE1234567890000000.
currentOwner	string	Mandatory	The German Ports ID of the current PickUpRight holder. Must be 3-17 characters. 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. Example: DE1234567890000000.
customerReference	string	Conditional	Field for transmitting a customer reference. This reference is only visible for the next party. For the first Release Party this reference is filled with the Ocean Bill of Lading. Condition: If the previous party has specified a customerReference, one must also be displayed. A customerReference should always be carried by the party passing on a pick-up right so that the next party can identify the process in its own system. Pattern: maxLength: 32 minLength: 3 pattern: [A-Z0-9]+
terminalId	string	Mandatory	SMDG Terminal Code (https://smdg.org/documents/smdg-code-lists/smdg-terminal-code-list/)
expirationDate	string	Optional	The expiration date of the pick up right Format: YYYY-MM-DDThh:mm:ss.sssZ
containerId	string	Mandatory	The container number. Must be 3-16 characters.
claimId	string	Mandatory	German Ports Internal identification number. maxLength: 10 minLength: 10 pattern: [0-9]{10} example: 0000001002
claimStatus	string	Mandatory	The current status of the claim. List: [ACTIVE, PASSED, REVOKED, RETURNED, USED, FINISHED, CANCELLED, EXPIRED]

type	string	Mandatory	The type of notification can currently only be 'INFO' for information. A further status could be added in the future.
code	string	Mandatory	<p>GP-Code Structure</p> <p>GP-012 = "The claim was successfully passed"</p> <p>GP-013 = "The claim has been returned."</p> <p>GP-014 = "The claim was transferred to you."</p> <p>GP-015 = "The claim has been revoked."</p> <p>GP-016 = "Revoking successful. ClaimXYZ is now active."</p> <p>GP-018 = "The claim has been cancelled."</p> <p>GP-019 = "The claim has expired."</p> <p>GP-025 = "The claim has been used."</p> <p>GP-026 = "The claim has been completed."</p> <p>A public Code list can be found on www.germanports.com</p>
Information	string	Optional	Free text

3.2.4 Example Requests and Responses

Example Requests 1

Parameterless request

Note: Only new messages are returned. A new call will return new messages each time (or none if no new messages have accumulated between the last two calls).

The maximum number of messages that can be returned with a parameter-free request is currently 500.

It should be noted that a clean-up service removes old messages (default: 72 hours old). Accordingly, these can no longer be received.

Response Details 1

Success Response (200 OK):

- Content-Type: text/plain

- Response Body:

```
{
  "msgCount": "3",
  "messages": [
    {
      "messageType": "Notification",
      "messages": [
        {
          "timestamp": "YEAR-MM-DDThh:mm:ss.sssZ",
          "messageType": "Notification",
          "message": {
            "sender": "DE1234567890000000",
            "previousOwner": "DE1234567890000000",
            "currentOwner": "DE1234567890000000",
            "customerReference": "bol1234567",
            "containerId": "CONT987654",
            "terminalId": "abc",
            "expirationDate": "2025-08-02T23:59:59",
            "claimId": "0000000003",
            "claimStatus": "PASSED",
            "notifications": {
              "notification": {
                "type": "INFO",
                "code": "GP-012",
                "information": "The claim was successfully passed"
              }
            }
          }
        }
      ]
    }
  ],
}
```

```
{
  "messageType": "Notification",
  "message": {
    "sender": " DE123456789000000",
    "previousOwner": " DE123456789000000",
    "currentOwner": " DE123456789000000",
    "customerReference": " bol1234567",
    "containerId": " CONT987654",
    "terminalId": "abc"
    "expirationDate": "2025-08-02T23:59:59"
    "claimId": "0000000004",
    "claimStatus": "REVOKED",
    "notifications": {
      "notification": {
        "type": "INFO",
        "code": "GP-015",
        "information": "The claim has been revoked."
      }
    }
  },
  "timestamp": "2025-04-14T10:28:43.511Z "
},
{
  "messageType": " Notification",
  "message": {
    "sender": " DE123456789000000",
    "previousOwner": " DE123456789000000",
    "currentOwner": " DE123456789000000",
    "customerReference": " bol1234567",
    "containerId": " CONT987654",
    "terminalId": "abc"
    "expirationDate": "2025-08-02T23:59:59"
    "claimId": "0000000006",
    "claimStatus": "ACTIVE",
    "notifications": {
      "notification": {
        "type": "INFO",
        "code": "GP-014",
        "information": "The claim was transferred to you."
      }
    }
  },
  "timestamp": " 2025-04-14T10:28:43.511Z "
}
]
```

Example Request 2

```
{
  "startTimeStamp": "2025-04-13T10:12:43.511Z ",
  "endTimeStamp": "2025-04-14T09:20:43.511Z ",
}
```

Note: The messages are returned from the start time (startTimeStamp). Explicitly also those messages that may have been received previously via a call without parameters (see 'Parameterless request'). The maximum number of messages that can be returned with a parameter-free request is currently 500.

It should be noted that a clean-up service removes old messages (default: 72 hours old). Accordingly, these can no longer be received.

Response Details 2

Success Response (200 OK):

- Content-Type: text/plain
- Response Body:


```
{
  "msgCount": "1",
  "startTimeStamp": "2025-04-13T10:12:43.513Z",
  "endTimeStamp": "2025-04-14T10:15:43.515Z",
  "messages": [
    {
      "messageType": "Notification",
      "sender": "DE123456789000000",
      "previousOwner": "DE123456789000000",
      "currentOwner": "DE123456789000000",
      "customerReference": "bol1234567",
      "containerId": "CONT987654",
      "terminalId": "abc",
      "expirationDate": "2025-08-02T23:59:59",
      "claimId": "0000000003",
      "claimStatus": "PASSED",
      "notifications": {
        "notification": {
          "type": "INFO",
          "code": "GP-012",
          "information": "The claim was successfully passed"
        }
      },
      "timestamp": "2025-04-14T10:32:43.515Z"
    }
  ]
}
```

3.2.5 Examples for additional Notifications

Additional Notifications may be received by parties who are not actively transferring a claim. These include, for example, terminals and the carrier.

Cancellation of a claim:

The claim is cancelled by the shipping company (carrier). All participants of the claim chain will receive the following notification:

Notification:

```
{
  "msgCount": 1,
  "timeRange": {
    "startTimestamp": "YEAR-MM-DDThh:mm:ss.sssZ",
    "endTimestamp": "YEAR-MM-DDThh:mm:ss.sssZ"
  },
  "errors": [
    "string"
  ],
  "messages": [
    {
      "timestamp": "YEAR-MM-DDThh:mm:ss.sssZ",
      "messageType": "Notification",
      "message": {
        "sender": "DE1234567890000000",
        "previousOwner": "DE1234567890000000",
        "currentOwner": "DE1234567890000000",
        "customerReference": "bol1234567",
        "terminalId": "abc",
        "expirationDate": "2025-08-02T23:59:59",
        "containerId": "CONT987654",
        "claimId": "0000000007",
        "claimStatus": "CANCELLED",
        "notifications": {
          "notification": {
            "type": "INFO",
            "code": "GP-018",
            "information": "The claim was canceled by the shipping company."
          }
        }
      }
    }
  ]
}
```


Expiration of a claim:

The expiry date of the claim has been reached and its status is now 'EXPIRED'.

Notification:

```
{
  "msgCount": 1,
  "timeRange": {
    "startTimestamp": "YEAR-MM-DDThh:mm:ss.sssZ",
    "endTimestamp": "YEAR-MM-DDThh:mm:ss.sssZ"
  },
  "errors": [
    "string"
  ],
  "messages": [
    {
      "timestamp": "YEAR-MM-DDThh:mm:ss.sssZ",
      "messageType": "Notification",
      "message": {
        "sender": "DE123456789000000",
        "previousOwner": "DE987654321000000",
        "currentOwner": "DE123456789000000",
        "customerReference": "bol1234567",
        "terminalId": "abc",
        "expirationDate": "2025-08-02T23:59:59",
        "containerId": "CONT987654",
        "claimId": "00000000008",
        "claimStatus": "EXPIRED",
        "notifications": {
          "notification": {
            "type": "INFO",
            "code": "GP-019",
            "information": "The claim is expired."
          }
        }
      }
    }
  ]
}
```

Status change from 'ACTIVE' to 'USED':

The claimStatus changes from 'ACTIVE' to 'USED' when the logistician positively authenticates at the terminal and starts to pick-up the container.

Notification:

```
{
  "msgCount": 1,
  "timeRange": {
    "startTimestamp": "YEAR-MM-DDThh:mm:ss.sssZ",
    "endTimestamp": "YEAR-MM-DDThh:mm:ss.sssZ"
  },
  "errors": [
    "string"
  ],
  "messages": [
    {
      "timestamp": "YEAR-MM-DDThh:mm:ss.sssZ",
      "messageType": "Notification",
      "message": {
        "sender": "DE123456789000000",
        "previousOwner": "DE987654321000000",
        "currentOwner": "DE123456789000000",
        "customerReference": "bol1234567",
        "terminalId": "abc",
        "expirationDate": "2025-08-02T23:59:59",
        "containerId": "CONT987654",
        "claimId": "00000000009",
        "claimStatus": "USED",
        "notifications": {
          "notification": {
            "type": "INFO",
            "code": "",
            "information": "The claim is in status USED."
          }
        }
      }
    }
  ]
}
```

Status change from 'USED' to 'FINISHED':

The claimStatus changes from 'USED' to 'FINISHED' when the logistician leaves the terminal correctly with the picked up container.

Notification:

```
{
  {
    "msgCount": 1,
    "timeRange": {
      "startTimestamp": "YEAR-MM-DDThh:mm:ss.sssZ",
      "endTimestamp": "YEAR-MM-DDThh:mm:ss.sssZ"
    },
    "errors": [
      "string"
    ],
    "messages": [
      {
        "timestamp": "YEAR-MM-DDThh:mm:ss.sssZ",
        "messageType": "Notification",
        "message": {
          "sender": "DE123456789000000",
          "previousOwner": "DE987654321000000",
          "currentOwner": "DE123456789000000",
          "customerReference": "bol1234567",
          "terminalId": "abc",
          "expirationDate": "2025-08-02T23:59:59",
          "containerId": "CONT987654",
          "claimId": "0000000010",
          "claimStatus": "FINISHED",
          "notifications": {
            "notification": {
              "type": "INFO",
              "code": "",
              "information": "The claim is in status 'FINISHED'."
            }
          }
        }
      }
    ]
  }
}
```

3.3 GermanPortsIds

Returns a list of German Ports-IDs. It can be filtered specifically by VAT or a legacy code.

3.3.1 Description

The `germanPortsIds` endpoint can be used by forwarders or software providers to get all German Ports IDs of the platform. There is no specific trigger from the system.

There are three possible ways of using the endpoint:

- 1) The entire list of companies can be pulled with a parameterless request.
- 2) A search with VAT returns all associated German Ports-IDs (GP-ID).
- 3) A search for `externalID` returns exactly one GP-ID if the legacy code is assigned to a branch office. If the legacy code is assigned to the main branch, the GP-ID of this branch and all branches is returned.

It is not possible to filter for VAT and a legacy code at the same time.

The system attempts to find an GP-ID matching the following requested business key:

- VAT
- or the legacy code of TR02 Trucker Code, TR02 CARCO Code or CODIS Code

Request Details

- **Method:** GET
- **Endpoint:** `/sro/v1/claims/germanPortsIds`
- **Content-Type:** `application/json`
- **Authentication:** `apiKey` (SimpleBasicAuth)⁴

⁴ SimpleBasicAuth (user and PW, API key) is set for the test environment in the first step. German Ports sets MTLS as the minimum requirement for authentication.

3.3.2 General parameter description

Parameter	Type	Required	Description
VAT	string	optional	The VAT of a company Must be 3-12 characters. Example: DE123456789
legacyCode	string	optional	The legacy Code of a company: TR02 Trucker Code ⁵ Example: 8 Freight Germany : FRGH TruckGATE Infohub: TRGC or TR02 CARCO Liste: https://tr02-wiki.dakosy.de/codelist.html or CODIS Code: EMS --> Emons Rail Cargo GmbH

Example Requests

N.B.: All the following example requests include fictitious number sequences to imitate specific IDs. Only the optional parameters are specified here. the parameterless request is not specified

1. Example germanPorts Request: Search for a specific VAT No.

```
{
  "VAT": " DE123456789",
}
```

2. Example germanPorts Request: An external customer code from an authorised system. This currently includes TR02 (carrier or trucker code) and CODIS. Exactly one German Ports ID is returned if the legacy code is assigned to a branch..

```
{
  " legacyCode ": " ABCY ",
}
```

⁵ The code list is available to the terminals.
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Example Response:

Response Body:

```
[
  {
    "germanPortsId": "DE123456789000000",
    "name": "Musterfirma GmbH & Co. KG",
    "locationName": "Wilhelmshaven",
    "locationCode": "DEWVN",
    "legacyCodes": [
      {
        "legacyCode": "ABCY",
        "source": "CARCO"
      }
    ]
  }
]
```

3.3.3 Response Details

Success Response (200 OK):

- Content-Type: text/plain
- A list of German Ports-IDs with name, location and associated legacy codes.

Error Handling:

Status Code		Description
204	No Content	No ID was found. Please check your submitted filter data.
400	Bad Request	VAT and a legacy code were filtered at the same time.
401	Unauthorized	Missing or incorrect authentication credentials.
415	Unsupported Media Type	The request is using an unsupported content type.
500	Internal Server Error	An unexpected error occurred on the server side.

3.4 RegisterTrucker

Gives the logistician the possibility to pre-register a trucker to enable drivers to book slots in truckGATE. A process description can be found at <https://www.truckgate.de/en/>. For trucker to be allowed to collect containers at the terminals, they must register in the designated IDP systems.

3.4.1 Description

The germanPortsIds endpoint can be used by forwarders or software providers to pre-register trucker for the truckGATE application.

It is necessary to enter the drivers, otherwise the process cannot take place. A driver must be pre-registered with Truckgate so that the terminal can check whether the driver booking the slot is also authorised to make the booking.

TruckGATE is a free web application and app available for truck drivers to manage slot bookings. This section explains the process for booking slots via the TruckGATE app. The prerequisites for booking a slot via TruckGATE are the following:

- The logistician must be registered as a "logistics provider" in German Ports.
- The logistician must have agreed to a TR02 integration in German Ports, enabling the transfer of driver information.
- The logistician must have received a Pick-Up Right via German Ports.

Request Details

- **Method:** POST
- **Endpoint:** /sro/v1/claims/registerTrucker
- **Content-Type:** application/json
- **Authentication:** apiKey (SimpleBasicAuth)⁶

⁶ SimpleBasicAuth (user and PW, API key) is set for the test environment in the first step. German Ports sets MTLS as the minimum requirement for authentication.

3.4.2 General parameter description

Parameter	Type	Required	Description
gprold	string	Mandatory	The German Ports ID of the participant the claim should be passed to. Must be 3-17 characters. 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. Example: DE123456789000000.
containerId	string	Mandatory	The container number. Must be 3-16 characters.
terminalId	string	Mandatory	SMDG Terminal Code (https://smdg.org/documents/smdg-code-lists/smdg-terminal-code-list/)
truckerId	string	Mandatory	The truck driver ID managed by the terminal Identity Provider (IDP). Must be 3-255 characters.
truckerIdType	string	Mandatory	<p>The type of Trucker ID transferred.</p> <p>CNRP: Conroo IPID: Impala ID PASP: Passify TRCD: TruckerCard</p> <p>string maxLength: 255 minLength: 3 example: PIN</p>

Example Requests

N.B.: All the following example requests include fictitious number sequences to imitate specific IDs. Only the optional parameters are specified here. the parameterless request is not specified

1. Example germanPorts Request: Pre-registration of a Trucker

```
{
  "gprold": "DE123456789000000",
  "containerId": "TEST1234567",
  "terminalId": "NTB",
  "truckerId": "ID-123",
  "truckerIdType": "PIN"
}
```

3.4.3 Response Details

Success Response (200 OK):

- Content-Type: text/plain

Response Body:

true → If the trucker pre-registration was successful

Error Handling:

Status Code		Description
400	Bad Request	Faulty enquiry. The errors are returned line by line.
401	Unauthorized	Missing or incorrect authentication credentials.
415	Unsupported Media Type	The request is using an unsupported content type.
500	Internal Server Error	An unexpected error occurred on the server side.