



API Full Data Documentation

| Date | Version | Owner | Comments |
|-------------------|---------|------------|--|
| 2024-09-06 | 0.9 | SJA | Pre-definitive version. POST data detailed. To be completed with GET Data. |
| 2024-09-30 | 1.00 | James Buck | Updated payload fields and descriptions. |
| 2024-10-10 | 1.1 | James Buck | Updated descriptions |
| 2024-10-14 | 1.2 | James Fox | Updated parameter details |

ChannelPorts – Getlink Customs Services
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(Please mention API in the subject line)



Overview

This guide is to help you get started integrating with our API. More information about the product can be found here - [What Is CustomsPro?](#).

The API supports both JSON and XML formats. Just be sure to specify the appropriate Content-Type with your requests.

The details of the test environment are:

| Environment | Hostname |
|-------------|--------------------|
| Testing | https://ruat.co.uk |

If you wish to use software like Postman to test the API, an example collection of endpoint calls can be found here - <https://documenter.getpostman.com/view/13417615/UVyxPtWM>.

Please note: All string values in the API should be **UPPERCASE** for both JSON and XML. Special characters aren't allowed, including but not limited to **-/&()[]@**. Boolean values should be lowercase. **Dates and Times** use ISO 8601 format (e.g., "2024-09-10T14:30:00").

Should you require any support with the API integration then please email api@channelports.co.uk ensuring you mention API in the subject line and include your contact details.

Authentication

Authentication to the API is done using a bearer token.

(HTTP Header - Authorization: Bearer <token>).

This can be retrieved by making a POST request to the API endpoint /api/v1/gettoken with your username and password.

```
curl --location --request POST 'https://ruat.co.uk/api/v1/gettoken' \  
--header 'Content-Type: application/json' \  
--data-raw '{  
  "Username": "<YOUR_USERNAME>",  
  "Password": "<YOUR_PASSWORD>"  
'
```

Or, alternatively, with an XML body instead and application/xml Content-Type:

```
<?xml version="1.0" encoding="UTF-8"?>  
<LoginContract>  
<Username>????</Username>  
<Password>????????</Password>  
</LoginContract>
```

The response will contain your token:

```
{  
  "Token": "<YOUR_TOKEN>",  
}
```

The token has a lifetime of 24 hours. If you are going to be running this in an automated environment you will need to regenerate tokens within this timeframe.

Create Safety & Security Shipment

Once you have passed the authentication step. You can now create shipments using your account. POST to /api/v1/createsafetyandsecurityshipment.

Be sure to pass the authorization token as a header. The base request should look like:

```
curl --location --request POST
'https://ruat.co.uk/api/v1/createsafetyandsecurityshipment' \
--header 'Authorization: Bearer <YOUR_TOKEN>' \
--header 'Content-Type: application/json' \
--data-raw '{...}'
```

On a successful call, with a 200 status code, you will get back a response with a tracking number:

```
{
  "TrackingNumber": "S1120000180"
}
```

On an error, 400 status code, you may get a response back like this:

```
{
  "error": "Error message goes here"
}
```

1. API Endpoint

Base URL: <https://ruat.co.uk/api/v1>

Endpoint: /createsafetyandsecurityshipment

Method: POST

| Method | URL |
|--------|----------------------------------|
| Post | /createsafetyandsecurityshipment |

Authentication

Authorization: Requires a Bearer token in the HTTP header.

Example: Authorization: Bearer <token>

Content-Type: application/json

2. Request Headers

| Type | Header | Value |
|------|---------------|------------------|
| Head | Authorization | Bearer <token> |
| Head | Content-Type | application/json |

3. Request Body Parameters

The body of the POST request should include the following parameters:

| Type | Parameter | Value | Required | Description |
|------|-------------------|---------|----------|---|
| Post | IsIntoUK | Boolean | Yes | Into UK = True |
| Post | SubType | String | Yes | Send - RORO |
| Post | CustomerReference | string | Yes | This is the customers reference. Maximum 16 alpha/numeric. |
| Post | IsUnaccompanied | Boolean | Yes | False = Accompanied True = Unaccompanied |
| Post | VehicleNumber | string | No | Vehicle identification number. Maximum 13 alpha/numeric |
| Post | TrailerNumber | string | No | Trailer identification number (if applicable). Maximum 13 alpha/numeric |

| | | | | |
|------|-----------------------------|---|-----|---|
| Post | ContainerNumber | string | No | Container identification number (if applicable). Must be 4 alpha – 7 numeric |
| Post | NationalityOfVehicle | string | Yes | Nationality of the vehicle |
| Post | FerryCrossingUKPort Code | string | Yes | Ferry crossing details |
| Post | FerryCrossingNonUKPort Code | string | Yes | Ferry crossing details |
| Post | SealNumber | string | No | Indicates if the shipment has a seal. Maximum 20 alpha/numeric |
| Post | ExpectedDateTime | DateTime | Yes | Expected date and time of shipments arrival. |
| Post | DispatchCountry | string | Yes | Indicates the Country of Dispatch |
| Post | DestinationCountry | string | Yes | For shipments into UK will always be “GB” |
| Post | CountriesOfRouting | List<string> | No | Country codes in addition to Dispatch and Destination country which goods will transit |
| Post | Carrier | Carrier | Yes | Carrier information |
| Post | Attachments | String | No | This is to attach documents. Accepted formats are .pdf, .jpeg, .jpg, png, bmp, tiff, heif. |
| Post | Consignments | List<consignment> | Yes | Details of consignments included in the shipment. You can have multiple consignments with multiple commodities. |

Example JSON payload

```
{
  "IsIntoUK": true,
  "SubType": "RORO",
  "CustomerReference": "AAA",
  "IsUnaccompanied": false,
  "VehicleNumber": "1238UY",
  "TrailerNumber": "9898UY",
  "ContainerNumber": "9898UY",
  "NationalityOfVehicle": "PT",
  "FerryCrossingUKPortCode": "DEU",
  "FerryCrossingNonUKPortCode": "CQF",
  "SealNumber": "AAA",
  "ExpectedDateTime": "2024-09-19T11:02:55.025Z",
  "DispatchCountry": "PL",
  "DestinationCountry": "GB",
  "CountriesOfRouting": [
    "PK",
    "ES"
  ],
  "Carrier": {
    "Name": "UK CARRIER LTD",
    "Country": "GB",
    "PostCode": "CT21 4BL",
    "AddressLine1": "Folkestone Services",
    "AddressLine2": "Junction 11 M20",
    "Town": "Hythe",
    "EORINumber": "GB243512587001"
  },
  "AttachmentContracts": [
    {
      "Name": "string",
      "Attachment": "string"
    }
  ],
  "Consignments": [
    {
      "UKTrader": {
        "Name": "ENGINE COMPANY",
        "Country": "GB",
        "PostCode": "CV99 9ZZ",
        "AddressLine1": "123 STREET LANE",
        "AddressLine2": "BINLEY",
        "Town": "COVENTRY",

```

```
"EORINumber": "GB243512587001"
},
"Partner": {
  "Name": "PARIS WIDGET SA",
  "Country": "FR",
  "PostCode": "FR12345",
  "AddressLine1": "RUE SAINT DOMINIQUE",
  "AddressLine2": "LE VESINET",
  "Town": "PARIS",
  "EORINumber": "FR12345678901234"
},
"AreTransportChargesBeingPaidByInvoice": false,
"TransportChargesPaymentMethod": "Y",
"TransportDocumentType": "730",
"TransportDocumentNumber": "AAA",
"Commodities": [
  {
    "PackageType": "PK",
    "PackageMarks": "AS ADDRESSED",
    "NumberOfPackages": 1,
    "CommodityCode": "8888",
    "DescriptionOfGoods": "AAA",
    "GrossWeight": 1.001,
    "UNDGCode": "5555"
  }
]
},
{
  "UKTrader": {
    "Name": "ENGINE COMPANY2",
    "Country": "GB",
    "PostCode": "CV99 9ZZ",
    "AddressLine1": "123 STREET LANE",
    "AddressLine2": "BINLEY",
    "Town": "COVENTRY",
    "EORINumber": "GB343512587001"
  },
  "Partner": {
    "Name": "PARIS CHEESE COMPANY",
    "Country": "FR",
    "PostCode": "FR45678",
    "AddressLine1": "20 GRANDE RUE",
    "AddressLine2": "NEUILLY SUR SEINE",
    "Town": "PARIS",
    "EORINumber": "FR34351258700145"
  },
}
```



```
"AreTransportChargesBeingPaidByInvoice": false,  
"TransportChargesPaymentMethod": "A",  
"TransportDocumentType": "730",  
"TransportDocumentNumber": "BBB",  
"Commodities": [  
  {  
    "PackageType": "PK",  
    "PackageMarks": "AS ADDRESSED",  
    "NumberOfPackages": 2,  
    "CommodityCode": "8888",  
    "DescriptionOfGoods": "AAA",  
    "GrossWeight": 1.003,  
    "UNDGCode": "5555"  
  },  
  {  
    "PackageType": "PK",  
    "PackageMarks": "AS ADDRESSED",  
    "NumberOfPackages": 1,  
    "CommodityCode": "8888",  
    "DescriptionOfGoods": "CCC",  
    "GrossWeight": 2.003,  
    "UNDGCode": "6666"  
  }  
]  
}
```

Notes

- For the FerryCrossing port codes use the following sheet, using the appropriate values in the “Port Code” columns - [CustomsPro ENS Ferry Routes](#).
- This [link](#) will provide a list of the acceptable Document Types, Country Codes, Package Types and Transport Charges Payment Method (Method of Payment). The link will automatically download an excel file which contains the information on different tabs.

Returns:

```
{  
  "TrackingNumber": "9F6C3F0B51BE"  
}
```

Save this Tracking Number as you can use it to correlate with your references, or to view through the CustomsPro UI.

4. Sub-Structures

5.1 'Carrier'

| Type | Parameter | Value | Required | Description |
|------|--------------|--------|----------|--------------------------|
| Post | Name | string | Yes | Carrier's name |
| Post | Country | string | Yes | Carrier's country |
| Post | Postcode | string | Yes | Carrier's postal code |
| Post | AddressLine1 | string | Yes | Carrier's address line 1 |
| Post | AddressLine2 | string | No | Carrier's address line 2 |
| Post | Town | string | Yes | Carrier's town |
| Post | EORINumber | string | Yes | Carrier's GB EORI number |

An example can be seen in the snippet below:

```

],
"Carrier": {
  "Name": "UK CARRIER LTD",
  "Country": "GB",
  "PostCode": "CT21 4BL",
  "AddressLine1": "Folkestone Services",
  "AddressLine2": "Junction 11 M20",
  "Town": "Hythe",
  "EORINumber": "GB243512587001"
}

```

5.2 'Consignment'

| Type | Parameter | Value | Required | Description |
|------|---------------------------------------|---------------------------------------|----------|--|
| Post | UKTrader | UKTrader | Yes | UK Traders details |
| Post | Partner | Partner | Yes | Partner details |
| Post | AreTransportChargesBeingPaidByInvoice | boolean | Yes/No | Are transport charges being paid to carrier by invoice. If no then Transport Charges Payment method required |
| Post | TransportChargesPaymentMethod | String | No | Please refer to link for list of codes. |
| Post | DocumentType | string | No | Please use "730" when using your reference. List of Document Types |
| Post | TransportDocumentNo | string | Yes | We recommend you use your reference number. |
| Post | Commodities | List<Commodity> | Yes | List of commodities in the consignment |

An example of this can be seen in the snippet below:

```
"UKTrader": {  
  "Name": "ENGINE COMPANY2",  
  "Country": "GB",  
  "PostCode": "CV99 9ZZ",  
  "AddressLine1": "123 STREET LANE",  
  "AddressLine2": "BINLEY",  
  "Town": "COVENTRY",  
  "EORINumber": "GB343512587001"  
},  
"Partner": {  
  "Name": "PARIS CHEESE COMPANY",  
  "Country": "FR",  
  "PostCode": "FR45678",  
  "AddressLine1": "20 GRANDE RUE",  
  "AddressLine2": "NEUILLY SUR SEINE",  
  "Town": "PARIS",  
  "EORINumber": "FR34351258700145"  
},
```

```
},  
"AreTransportChargesBeingPaidByInvoice": false,  
"TransportChargesPaymentMethod": "A",  
"TransportDocumentType": "730",  
"TransportDocumentNumber": "BBB",  
"Commodities": [
```

5.3 'Commodity'

| Type | Parameter | Value | Required | Description |
|------|--------------------|--------|----------|--|
| Post | PackageType | string | Yes | We recommend using code PK but you can select alternatives from list . |
| Post | PackageMarks | String | Yes | Enter "As Addressed" or the actual package marks & numbers |
| Post | NumberOfPackages | string | Yes | Number of packages. Maximum 5 digits |
| Post | CommodityCode | String | Yes | First 4 digits of a valid UK commodity code |
| Post | DescriptionofGoods | String | Yes | Maximum of 50 alpha numeric characters with no special characters. |
| Post | GrossWeight | String | Yes | Maximum of 8 digits followed by 3 digits after decimal place |
| Post | UNDGCode | String | No | Must be 4 numeric |

An example of this can be seen in snippet below:

```
"Commodities": [  
  {  
    "PackageType": "PK",  
    "PackageMarks": "AS ADDRESSED",  
    "NumberOfPackages": 2,  
    "CommodityCode": "8888",  
    "DescriptionOfGoods": "AAA",  
    "GrossWeight": 1.003,  
    "UNDGCode": "5555"  
  },  
  {  
    "PackageType": "PK",  
    "PackageMarks": "AS ADDRESSED",  
    "NumberOfPackages": 1,  
    "CommodityCode": "8888",  
    "DescriptionOfGoods": "CCC",  
    "GrossWeight": 2.003,  
    "UNDGCode": "6666"  
  }  
]
```

5.4 'UK Trader'

| Type | Parameter | Value | Required | Description |
|------|--------------|--------|----------|---------------------------------------|
| Post | Name | string | Yes | The name of the UK Trader company |
| Post | Country | string | Yes | Country code of the UK Trader |
| Post | Postcode | string | Yes | UK Trader's post code |
| Post | AddressLine1 | string | Yes | First line of the UK Trader's address |
| Post | AddressLine2 | String | No | Second line of UK Trader's address |
| Post | Town | String | Yes | UK Trader's town |
| Post | EORINumber | String | No | UK Trader's EORI Number |

An example of this can be seen in the snippet below:

```
"UKTrader": {
  "Name": "ENGINE COMPANY2",
  "Country": "GB",
  "PostCode": "CV99 9ZZ",
  "AddressLine1": "123 STREET LANE",
  "AddressLine2": "BINLEY",
  "Town": "COVENTRY",
  "EORINumber": "GB343512587001"
```


5.5 'Partner'

| Type | Parameter | Value | Required | Description |
|------|--------------|--------|----------|-------------------------------------|
| Post | Name | string | Yes | The name of the Partner's company |
| Post | Country | string | Yes | Country code of the Partner |
| Post | Postcode | string | Yes | Partner's post code |
| Post | AddressLine1 | string | Yes | First line of the Partner's address |
| Post | AddressLine2 | String | No | Second line of Partner's address |
| Post | Town | String | Yes | Partner's town |
| Post | EORINumber | String | No | Partner's EORI Number |

An example of this can be seen in the snippet below:

```
"Partner": {
  "Name": "PARIS CHEESE COMPANY",
  "Country": "FR",
  "PostCode": "FR45678",
  "AddressLine1": "20 GRANDE RUE",
  "AddressLine2": "NEUILLY SUR SEINE",
  "Town": "PARIS",
  "EORINumber": "FR34351258700145"
```

On acceptance of the message within the UK Customs test environment we will email a .pdf to the email address specified in the API credentials giving details of the ENS submitted.

Below is an example of the .pdf we will send once accepted by the UK Authorities. The .pdf will have the ENS MRN as the reference.



24GBHDKD6EIXEWK
0W0.pdf

Once you have fully proved the integration with the test environment we will then discuss with you how you wish to receive the confirmation of lodgment with Customs (currently the .pdf above) along with the live credentials.

FAQ

I. “An error occurred while deserializing input data”

Make sure you have all the required fields and Boolean values set to lowercase true/false - uppercase is not allowed.

II. Attachment format

The attachment must be a base64 encoded binary representation of the file that you pass with your request.

III. EORI Number

EORI numbers should be 2 characters followed by 12 digits, e.g. GB987654312000.

IV. Expected Date and Times

The expected departure/arrival date of the shipment. Must be in the future in ISO 8601 format, “2021-01-30T14:30:00”

V. Port Code

For the FerryCrossing port codes use the following sheet, using the appropriate values in the “Port Code” columns - [CustomsPro ENS Ferry Routes](#)

VI. List of Codes

This [link](#) will provide a list of the acceptable Document Types, Country Codes, Package Types and Transport Charges Payment Method (Method of Payment). The link will automatically download an excel file which contains the information on different tabs.