



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
2024-11-22	1.3	James Buck	Add fields for CMR, Place Of Loading/Unloading

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	FerryCrossingNonUKPortCode	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	CMR	String	No	CMR number if customer provides otherwise the transport document number will be defaulted to the CustomerReference field
Post	PlaceOfLoading	PlaceOfLoading	Yes – unless “IsUnaccompanied” is true	This is based on where the goods are loaded to vehicle / trailer.

Post	PlaceOfUnloading	PlaceOfUnloading	Yes - unless "IsUnaccompanied" is true	This is based on where the goods will be unloaded.
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"
  }
],
"CMR": "123456",
"PlaceOfLoading": {
  "Country": "DE",
  "Location": "Warehouse 1",
  "Postcode": "8763"
},
"PlaceOfUnloading": {
  "Country": "GB",
  "Location": "Warehouse 2",
  "Postcode": "CT61 7EQ"
},
"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"
```

5.6 PlaceOfLoading

Type	Parameter	Value	Required	Description
Post	Country	string	Yes	2 letter country code
Post	Location	string	Yes	Name of freight terminal, warehouse or other place of loading

Post	Postcode	string	Yes	Postcode of the place of loading
------	----------	--------	-----	----------------------------------

5.7 PlaceOfUnloading

Type	Parameter	Value	Required	Description
Post	Country	string	Yes	2 letter country code
Post	Location	string	Yes	Name of freight terminal, warehouse or other place of unloading
Post	Postcode	string	Yes	Postcode of the place of unloading

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.