



# CustomsPro API Documentation

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ChannelPorts

[api@channelports.co.uk](mailto:api@channelports.co.uk)

*(Please mention API in the subject line)*

API Version 1

## 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.

Swagger documentation can be found here - <https://customspro.net/swagger/index.html>. You will need to check there to find root node names if you plan to use XML.

Additional global values, used by the software, such as countries, port codes, and routes can be found here - [CustomsPro Additional Information](#).

There are two environments, testing and production. Their hostnames are shown below. Please use testing until you are confident your integration is working as expected.

Environment	Hostname
Testing	<a href="https://rorotransit.com">https://rorotransit.com</a>
Production	<a href="https://customspro.net">https://customspro.net</a>

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").

## 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://rorotransit.com/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 and 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://rorotransit.com/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:

### 1. API Endpoint

**Base URL:** http://roroclearances.co.uk/api/v1

**Endpoint:** /CreateSafetyAndSecurityShipment

**Method:** POST

Method	URL
Post	/CreateSafetyAndSecurityShipment

### 2. Authentication

**Authorization:** Requires a Bearer token in the HTTP header.

**Example:** Authorization: Bearer <token>

**Content-Type:** application/json

### 3. Request Headers

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

### 4. Request Body Parameters

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

Type	Parameter	Value	Required	Description
Post	Type	string	Yes	Type of the shipment (e.g., Safety and Security)
Post	SubType	string	Yes	Subtype of shipment (RORO, Air or Container)
Post	PrimaryContact	string	Yes	Name or ID of the primary contact
Post	NotifyAdditionalParty	Yes/No	No	If additional parties should be notified
Post	VehicleNumber	string	No	Vehicle identification number
Post	TrailerNumber	string	No	Trailer identification number (if applicable)
Post	NationalityOfVehicle	string	Yes	Nationality of the vehicle
Post	FerryCrossing	Yes/No	Yes	Ferry crossing details
Post	HasSeal	Yes/No	No	Indicates if the shipment has a seal
Post	ExpectedDate	DateTime	Yes	Expected shipment date
Post	ContainerNumber	string	No	Container identification number (if applicable)

Post	CountriesOfRouting	List<string>	Yes	List of countries in the shipment's route
Post	Carrier	<a href="#">Carrier</a>	Yes	Carrier information
Post	Consignments	<a href="#">List&lt;Consignment&gt;</a>	Yes	Details of consignments included in the shipment

```
{
  "Type": "Safety & Security",
  "SubType": "RORO",
  "PrimaryContact": "MYREFERENCE1",
  "NotifyAdditionalParty": true,
  "VehicleNumber": "1238UY",
  "TrailerNumber": "9898UY",
  "NationalityOfVehicle": "9898UY",
  "FerryCrossingUKPortCode": "FerryCrossing1",
  "FerryCrossingNonUKPortCode": "FerryCrossing1",
  "HasSeal": true,
  "ExpectedDate": "2024-10-14",
  "ContainerNumber": "9898UY",
  "DispatchCountry": "GB",
  "DestinationCountry": "FR",
  "CountriesOfRouting": [
    "PK",
    "ES"
  ],
  "Carrier": {
    "HasGBEori": true,
    "Name": "UK CARRIER LTD",
    "Country": "GB",
    "PostCode": "CT21 4BL",
    "AddressLine1": "Folkestone Services",
    "AddressLine2": "Junction 11 M20",
    "Town": "Hythe",
    "EORINumber": "68123456789812"
  },
  "Consignments": [
    {
      "UKTraderEORI": "G8987654321000",
      "AreTransportChargesBeingPaidByInvoice": true,
      "TransportDocumentNo": "8888888",
      "DocumentType": "8888888",
      "Partner": {
        "Name": "ENGINE COMPANY",
        "Country": "GB",
        "PostCode": "CV99 9ZZ",

```

```

    "AddressLine1": "123 STREET LANE",
    "AddressLine2": "COVENTRY",
    "Town": "NAPOLI",
    "EORINumber": "GB243512587001",
    "PaymentType": "C",
    "DefermentNumber": "8888888"
  },
  "Commodities": [
    {
      "PackageType": "PK",
      "NumberOfPackages": "2",
      "CommodityCode": "84713000",
      "DescriptionOfGoods": "Personal Computers",
      "GrossWeight": "75.000",
      "MarksAndNumbers": "PC001",
      "UNDGCode": "UN3481",
    }
  ]
}

```

## 5. Sub-Structures

### 5.1 'Carrier'

Type	Parameter	Value	Required	Description
Post	HasGBEori	boolean	No	Indicates if the carrier has a GB EORI
Post	Name	string	Yes	Carrier's name
Post	Country	string	Yes	Carrier's country
Post	Postcode	DateTime	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 EORI number



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

```
{
  "Carrier": {
    "HasGBEori": true,
    "Name": "UK CARRIER LTD",
    "Country": "GB",
    "Postcode": "CT21 4BL",
    "AddressLine1": "Folkestone Services",
    "AddressLine2": "Junction 11 M20",
    "Town": "Hythe",
    "EORINumber": "GB123456789012"
  }
}
```

## 5.2 'Consignment'

Type	Parameter	Value	Required	Description
Post	UKTraderEORI	string	Yes	EORI number of the UK trader
Post	AreTransportChargesBeingPaidByInvoice	boolean	No	Indicates if charges are paid by invoice
Post	TransportDocumentNo	string	No	Document number for transport
Post	DocumentType	string	No	Type of document
Post	Partner	<a href="#">Partner</a>	Yes	Partner details
Post	Commodities	<a href="#">List&lt;Commodity&gt;</a>	Yes	List of commodities in the consignment

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

```

{
  "Consignment": {
    "UKTraderEORI": "GB987654321000",
    "Partner": {
      "Name": "GRANDE AERO SRL",
      "Country": "IT",
      "Postcode": "622550",
      "AddressLine1": "VIA MINIRELI",
      "AddressLine2": "string",
      "Town": "NAPOLI",
      "EORINumber": "IT683470514000",
      "PaymentType": "C",
      "DefermentNumber": "123456789"
    },
    "AreTransportChargesBeingPaidByInvoice": true,
    "TransportDocumentNo": "DOC123456",
    "DocumentType": "Invoice",
    "Commodities": [
      {
        "PackageType": "PK",
        "NumberOfPackages": "1",
        "CommodityCode": "12345678",
        "DescriptionOfGoods": "Engine Parts",
        "GrossWeight": "150.000",
        "MarksAndNumbers": "ADDR",
        "UNDGCode": "1234"
      }
    ]
  }
}

```

### 5.3 'Commodity'

Type	Parameter	Value	Required	Description
Post	PackageType	string	Yes	Type of package (e.g., PK for packages)
Post	NumberOfPackages	string	Yes	Number of packages

Post	CommodityCode	string	Yes	Commodity code
Post	DescriptionOfGoods	string	Yes	Description of the goods
Post	GrossWeight	string	Yes	Gross weight of the commodity
Post	MarksAndNumbers	string	No	Marks and numbers of the packages
Post	UNDGCode	string	No	UN Dangerous Goods code (if applicable)

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

```
{
  "Commodity": {
    "PackageType": "PK",
    "NumberOfPackages": "5",
    "CommodityCode": "84713000",
    "DescriptionOfGoods": "Personal Computers",
    "GrossWeight": "75.000",
    "MarksAndNumbers": "PC001",
    "UNDGCode": "UN3481"
  }
}
```

#### 5.4 'Partner'

Type	Parameter	Value	Required	Description
Post	Name	string	Yes	The name of the partner company
Post	Country	string	Yes	Country code of the partner
Post	Postcode	DateTime	Yes	Partner's postal code
Post	AddressLine1	string	Yes	First line of the partner's address

Post	AddressLine2	string	No	Second line of the partner's address (optional)
Post	Town	string	Yes	Town or city of the partner
Post	EORINumber	string	Yes	Partner's EORI number
Post	PaymentType	string	No	Payment type code (if applicable)
Post	DefermentNumber	string	No	Deferment account number (if applicable)

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

```
{
  "Partner": {
    "Name": "GRANDE AERO SRL",
    "Country": "IT",
    "Postcode": "622550",
    "AddressLine1": "VIA MINIRELI",
    "AddressLine2": "Building A",
    "Town": "NAPOLI",
    "EORINumber": "IT683470514000",
    "PaymentType": "D",
    "DefermentNumber": "987654321"
  }
}
```

## 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. Currency Codes

Currency codes must be in ISO 4217 format (<https://www.iban.com/currency-codes>).

### IV. Country Codes

Country codes must be in ISO 3166 format (<https://www.iban.com/country-codes>).

### V. EORI Number

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

### VI. Expected Date

The expected departure/arrival date of the shipment. Must be in the future in ISO 8601 format. The time component is optional, e.g. can just be 2021-01-30.

### VII. Port Code

Should always be a UK port. A list of valid port codes can be found here - [CustomsPro Additional Information](#).

### VIII. Declarant

If you are a forwarder, haulier, customs broker or an entity other than the UK Trader these will be your company details.

If you are a UK Trader then you will show the details of ChannelPorts Ltd, Folkestone Services, Junction 11 M20, Hythe CT21 4BL with our EORI number of GB683470514000.

## IX. Special CPC

If the UK importer or exporter is shipping goods under a specific Customs Procedure Code then you will need to contact ChannelPorts to discuss in advance for instructions on how this field is to be completed.