DPD API International Integration Specification (With Electronic Invoicing)

March 2019

Version 3.0

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Confidential

Version History

Version	Changes	Date	Author
3.0	Document Creation Initial Draft (ECD)	Mar '19	AR - Customer Integration

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Disclaimer

This document is subject to change, so please ensure prior to any development you obtain the latest version of the technical specification from our FTP Server. (See 'Getting Started' section below for further details)

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Support Contacts

If information / assistance is required with regards to integration with ourselves please direct any correspondence via the DPDgroup UK IT Customer Integration Team. Please find contact information below:

Email Address: edisupport@dpdgroup.co.uk
Telephone Number: 0121 275 7336

For all Label Test Packs send to:

FAO: Customer Integration Team (IT Dept)
2nd Floor CCS Building
Roebuck Lane
Smethwick
West Midlands
B66 1BY

NOTE: Please ensure a cover note is included on test packs posted so we can identify the sender.

Getting Started

Please contact the Customer Integration Team prior to starting development to ensure you have the latest version of the documents.

> **NOTE:** The Customer Integration Team is able to offer onsite support Free of Charge to assist with your Development. See Support Contacts above.

To access the latest development tools, integration specifications etc, these can be obtained via the DPDgroup FTP Site using the credentials below:
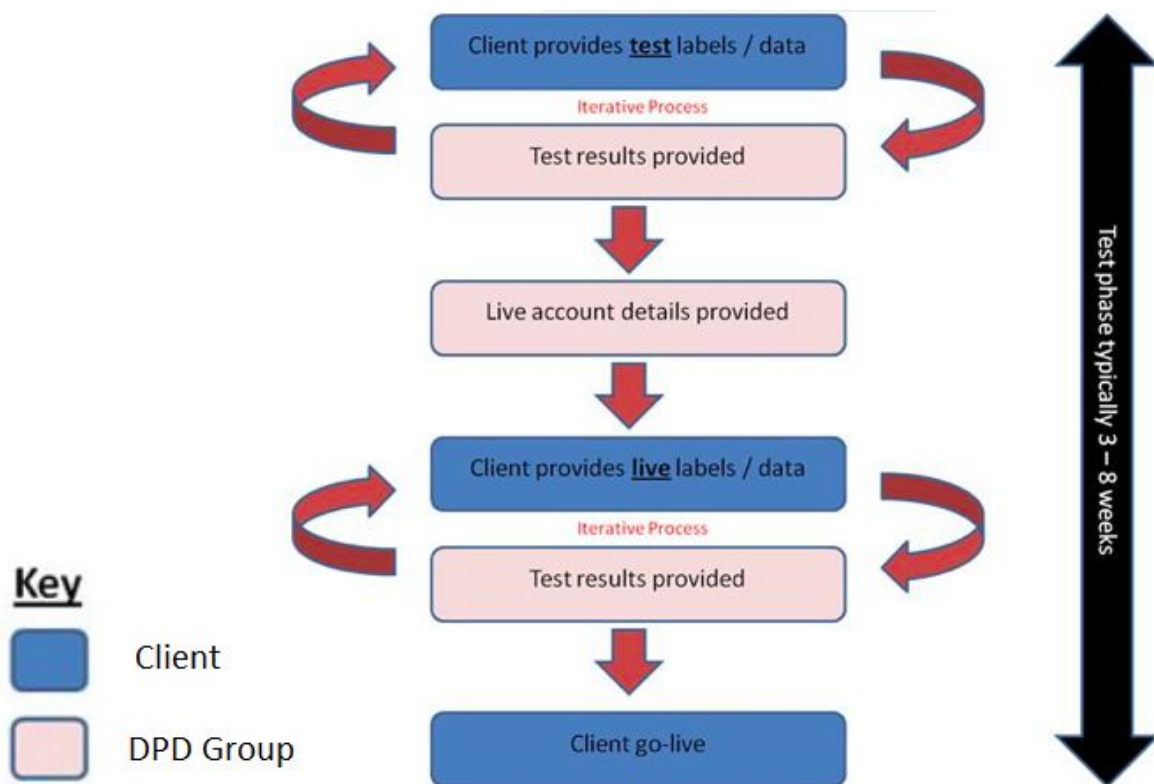
URL: ftp.dpdgroup.co.uk
Username: edidev
Password: acy7bies

Label and Manifest Data Development Lifecycle

Testing Details

NOTE: The Customer Integration Technical Team must be informed when a customer wishes to start development work, due to the possibility of further system development and changes since this document was printed. We aim to provide test pack feedback **within 48 hours**.

Development **Test** Details

We require that you utilize your existing web credentials or dedicated API Login whilst in testing phase as there is no access to a dedicated test environment., these are the same details that you will have been provided by your account manager to access the DPD UK website or if you require a dedicated login for your API implementation this can be requested via your account manager

⚠	**WARNING:** Please be aware not to use sensitive customer details, this also applies to the Email / SMS notification details. We highly recommend leaving blank or populating with your own details as notification for both SMS / Email will be triggered and will be sent out to specified numbers / addresses.

For 3rd Party developers working on behalf of a mutual customer only where no username and password have yet been provided, Please contact the IT Servicedesk to request a test login that can be utilised whilst in testing phase.

NOTE: The Test login provided must not be used for live shipping once sign off has been obtained.

Development Live Details

A formal sign-off **must** be obtained from the Customer Automation Technical Team before live shipping is accepted. Once we have successfully signed off your labels and Insert Shipment JSON (where applicable) we will then require one final test pack containing the **LIVE** details (assigned by your support contact) to include both labels and corresponding Insert Shipment JSON Content.

DPD may revoke the authorisation to ship if subsequent problems arise with data integrity or label quality.

⚠	**WARNING:** It is recommended that the first live runs be of small volumes, and monitored by both DPD and the client.

Introduction

This document is to be used by DPDgroup customers and third parties for integrating their software with the DPDgroup Enterprise Service Gateway (ESG) application. The ESG application is a suite of RESTful APIs in which this document concentrates on exposing the Shipping APIs. This document is aimed at the developer for coding the client integrating software and assumes the developer has an understanding of web technologies and terminologies.

All ESG APIs support JSON as both content types and accept types. The destination host supports HTTPS. Certain headers are required by DPDgroup in every request unless stated, these are:

GeoClient - this needs to be populated with "account/" and your account number if you are a customer or with "thirdparty/" and your company name if you are an integrating thirdparty. Examples are shown below for customer and for a thirdparty:
GeoClient: account/830567
GeoClient: thirdparty/ACME

The other header which is required is "GeoSession" which verifies who you are. This is generated after logging in and is passed into every API call thereafter.

The rest of this document is broken into the following sections:
1. Login Process - this is required in order to code any of the other sections.
2. Create Shipment - this is broken into all the APIs available to create a shipment.

Each API will include the following:
1. A description of what it is to be used for
2. The supporting HTTP headers
3. An example request
4. An example response
5. An object overview diagram
6. A breakdown of all the objects used in both the request and response

HTTP error codes supported

Throughout this document some general HTTP response codes apply and are shown below

200	The API has successfully returned but may contain an error object which should be checked programmatically
401	Username or password was incorrect
403	A GeoSession header was not found or is invalid
404	An attempt was made to call an API in which the URL cannot be found
500	The ESG server had an internal error and no response object will be returned
503	The API being called is temporarily out of service

Every API in conjunction with the general errors above has its own errors; please refer to the specific API to see its specific error object codes returned in its error object

Printing

Please be aware that we provide the print output code, in various formats for you to use, however the process to pass the print job to the relevant printer is the customer's / third parties responsibility.

NOTE: Only use of white label stock is permitted.

NOTE: When intending to print via Thermal Printer we strongly advise label stationary width to measure at least 105 mm. We will not be sign off any labels below 102 mm width. Please contact a member of the technical team if you have any further queries.

102mm

Carrier Text

Delivery Address

Delivery Details

Parcel Details

Senders Details

Origin Business Unit

Shipment Zone

TTTT TTTT TTTT TT T

Track

SSSSSSSSS

Service

CC - PPPP PPP

LOCAL

SSS-CC-PPPP PPP

XXXXX Label Origin XXXXX

Routing Text Zone

BBBB BBBB BBBB BBBB BBBB BBBB BBBB

Barcode Zone

105mm
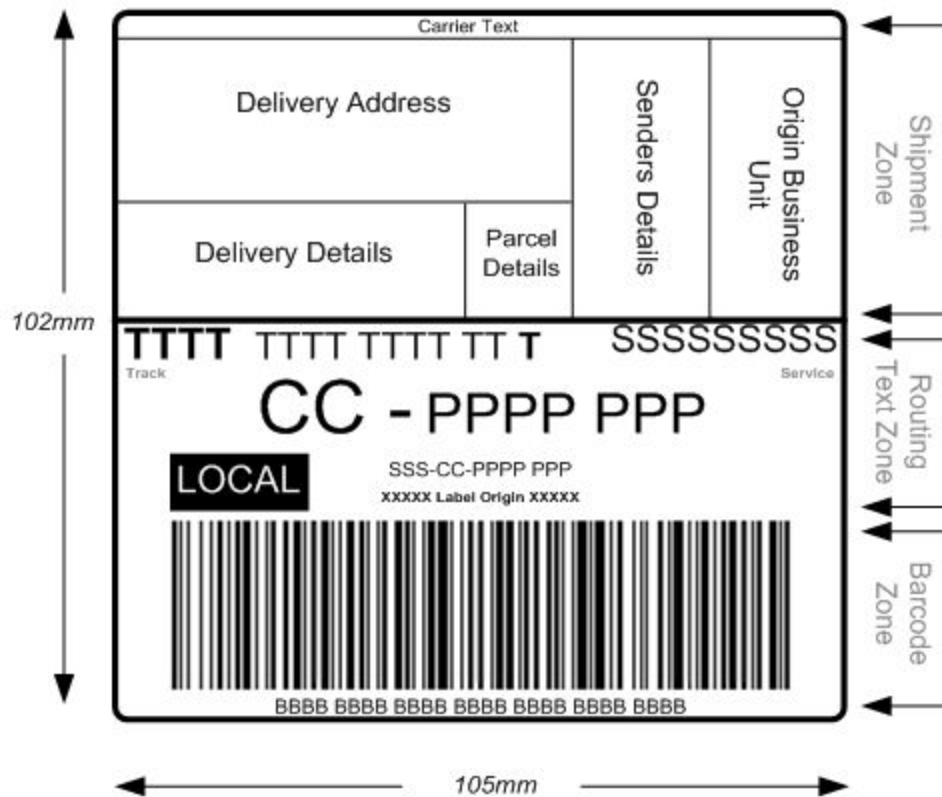
Login Process

Login API Definition

API Login

URL=POST:/user/?action=login

The Login API is different to all other APIs as it returns a GeoSession. The other APIs require the GeoSession to be passed in as a security validation. Calling this API also sets up a session on the DPD servers. This server session allows all future interactions to be validated without the need to present login credentials. The API requires the username and password to be encrypted using base64 encryption and then passed as an Authorization header in the HTTP request,

Example:
username = DSmith
password = MYPassWd66

Concatenate the username and password with a colon in between and encrypt to base64 as a single string:
e.g: DSmith:MYPassWd66

This would result in a string of: RFNtaXRoOk1ZUGFzc1dkNjY=

This can be applied to the http request as a header of:

Authorization: Basic RFNtaXRoOk1ZUGFzc1dkNjY=

A returning http response code of 401 means the username or password are incorrect

Content-Type
```
application/json
```

Accept
```
application/json
```

Example Request is shown below:
```
POST /user/?action=login HTTP/1.1
Host: api.dpd.co.uk
Content-Type: application/json
```

```
Accept: application/json
```

Example Response is shown below:

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 64


{
    "error":null,
    "data":{
    "geoSession":"1234567890ABCDEFGHIJK"
    }
}
```
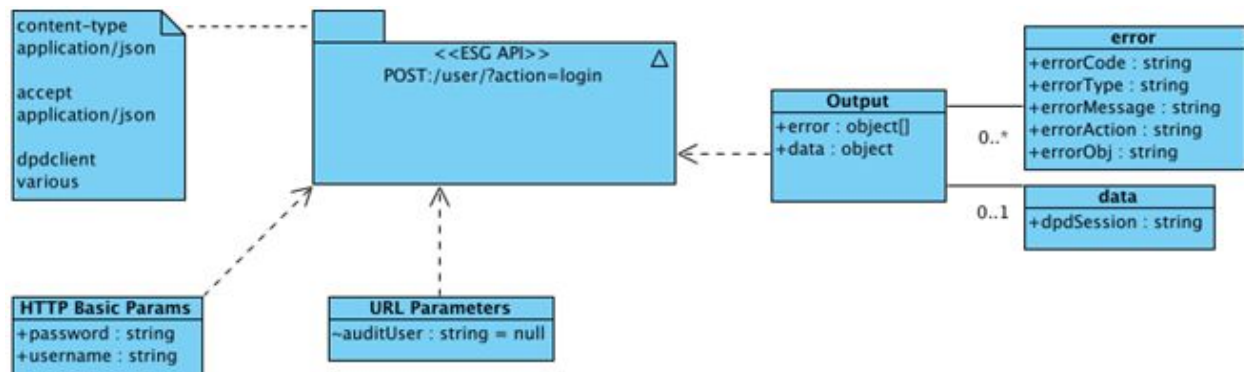
HTTP Basic Parameters to combine to base64 string

Attribute	Type	Description	Example
password	string	A secret word	
username	string	A human readable version of a user's name	

Response Object

Attribute	Type	Description	Example
data	object	An object returned from the API which encapsulates the returning data	

error	object[]	An object which encapsulates errors thrown by the API	

Object - data

Attribute	Type	Description	Example
geoSession	string	An object encapsulating session persistence. Called dpdSession in Newer APIs	

Object - error

Attribute	Type	Description	Example
errorAction	string	The action associated with the errorMessage, this can be null if no action was required	
errorCode	string	The errorCode associated with the errorMessage	
errorMessage	string	An error message given for an action which was not successful	
errorObj	string	The object within the past in criteria which caused this exception	
errorType	string	The error type assigned to a error	

Create Shipment

In order to create a shipment several helper methods have been created which aid in creation of a shipment. The "List Of Services" API provides all the services available for a collection and delivery address, the "Get Country" can be used to validate if a postcode is required to an international address etc, the "List Of Countries" provides a full list of shipping destination countries, and "Get Service" retrieves codes and descriptions associated with a service.

Below are several different flows for submitting shipments and printing their labels; however at present the only option is by submitting each shipment using "Insert Shipment" and then retrieving its labels using "Get Labels".

Please Note : The "Request JobId" , "Get Unprinted Labels", "Get Labels For Job" & "Get International Invoice" API's are not available, with no current plans to add them.

> ⚠️ **WARNING:** ECD Data should only be provided for International Air Shipments to destinations that require an invoice. For other destinations and services a paper invoice is still required to be provided.
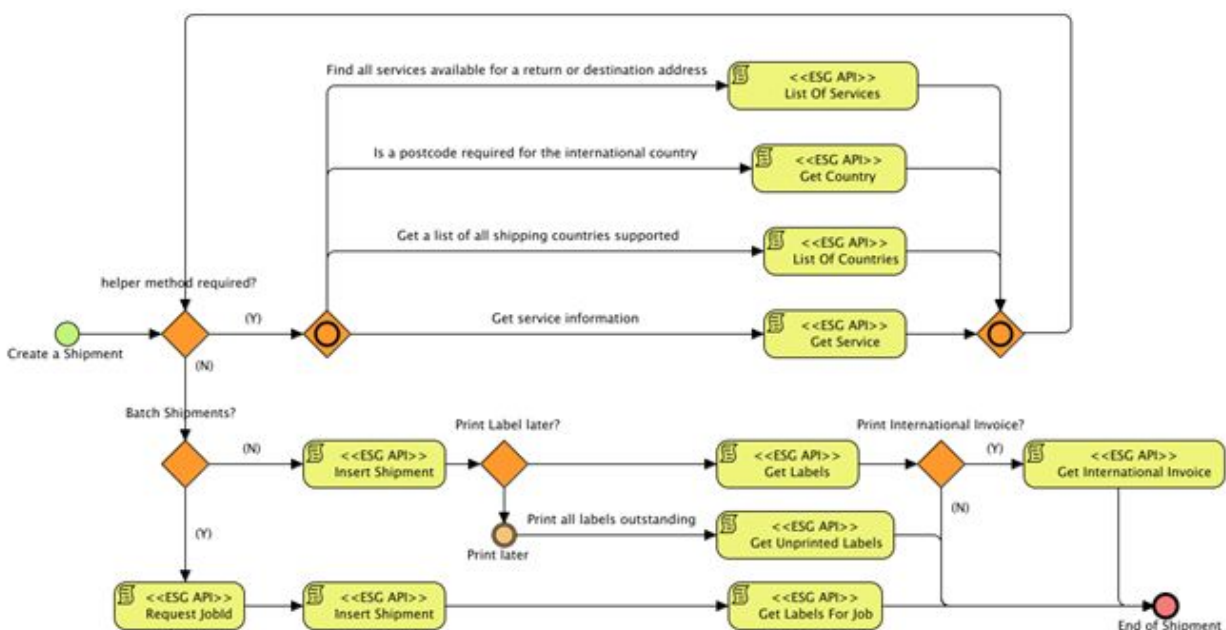
Each available API shown above is fully explained and broken into its components in the pages which follow.

API Definitions

List Of Services

URL=GET:/shipping/network/

A shipment can be delivered in the afternoon or on a premium service for the morning etc. In order to find all available product services for a location use this API. The shipmentType variable can be set to 1 or 2 if a collection on delivery or swap it service is required. The deliveryDirection flag should be set to 1 for outbound and 2 for inbound shipments.

Accept
```
application/json
```

Example Request is shown below:
```
GET
/shipping/network/?businessUnit=0&deliveryDirection=1&numberOfParcels=1&shipmen
tType=0&totalWeight=1.0&deliveryDetails.address.countryCode=GB&deliveryDetails.
address.countryName=&deliveryDetails.address.locality=&deliveryDetails.address.
organisation=&deliveryDetails.address.postcode=&deliveryDetails.address.propert
y=&deliveryDetails.address.street=&deliveryDetails.address.town=&deliveryDetail
s.address.county=&collectionDetails.address.countryCode=&collectionDetails.addr
ess.countryName=&collectionDetails.address.locality=&collectionDetails.address.
organisation=&collectionDetails.address.postcode=&collectionDetails.address.pro
perty=&collectionDetails.address.street=&collectionDetails.address.town=&collec
tionDetails.address.county= HTTP/1.1

Host: api.dpd.co.uk
Accept: application/json
GeoClient: account/123456
GeoSession: 1234567890ABCDEFGHIJK
```

Example Response is shown below:
```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 480

{
     "error":null,
     "data":[{
```

```
    "invoiceRequired":false,
  "isLiabilityAllowed":false,
"network":{
      "country":[{
      }],
      "networkCode":"1^12",
      "networkDescription":"Parcel Nextday"
},
"product":{
      "productCode":"1^1",
      "productDescription":"Parcel"
},
"service":{
      "serviceCode":"1^1",
      "serviceDescription":"Next Day"
}
}]
}
```
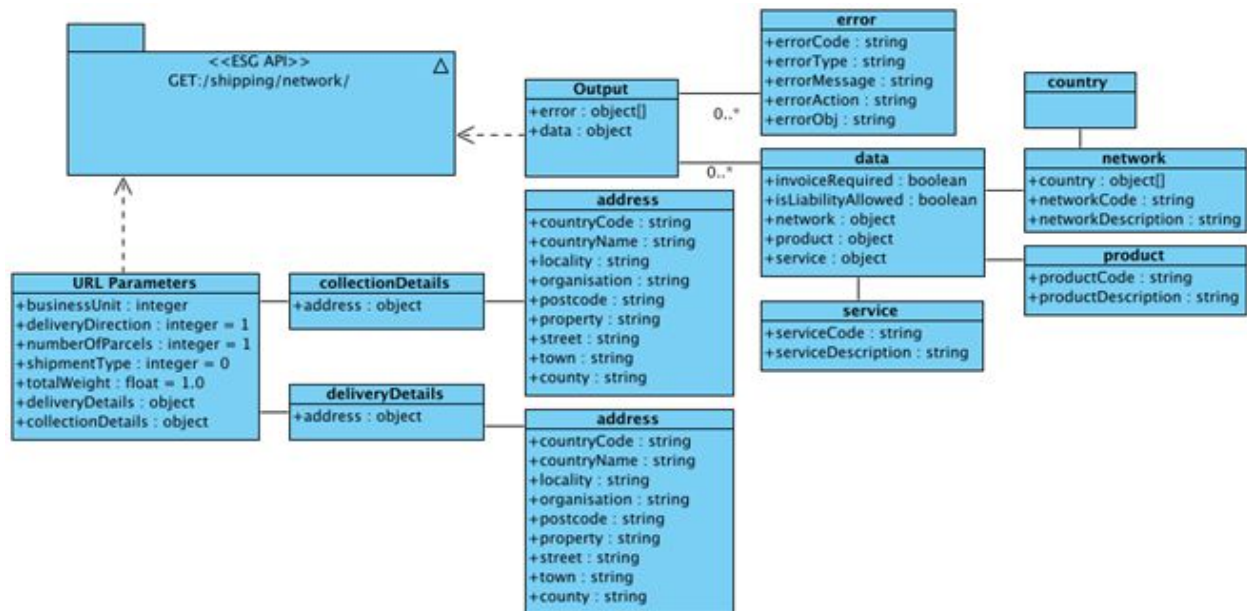
URL Parameters to be passed in

Attribute	Type	Description	Example
businessUnit	integer	An identifier containing the DPD Group business unit	1
collectionDetails	object	An object encapsulating the collection details	
deliveryDetails	object	An object encapsulating the delivery details	
deliveryDirection	integer	An identifier which indicates the direction of the delivery	1
numberOfParcels	integer	The number of packages	1
shipmentType	integer	A placeholder to identify the type of shipment being processed	0
totalWeight	float	The total weight	5

Response Object

Attribute	Type	Description	Example
data	object	An object returned from the API which encapsulates the returning data	
error	object[]	An object which encapsulates errors thrown by the API	

Object - address

Attribute	Type	Description	Example
countryCode	string	The IATA code for a country	GB
countryName	string	The DPD Group name for a country	United Kingdom
county	string	The county section of an address	West Midlands

locality	string	A particular area	Smethwick
organisation	string	The organisational name assigned to a company	DPD Group Ltd
postcode	string	The assigned identity aligned to the property given by the post office	B66 1BY
property	string	The property name or number assigned to a collection/delivery point	52 Flat B
street	string	The street section of an address	Roebuck Lane
town	string	The town section of an address	Birmingham

Object - collectionDetails

Attribute	Type	Description	Example
address	object	An object containing properties which make up an address	
contactDetails	object	An object encapsulating contact information	

Object - country

Attribute	Type	Description	Example

Object - data

Attribute	Type	Description	Example
invoiceRequired	boolean	An indicator to signify that an invoice is required	false
isLiabilityAllowed	boolean	An indicator that Extended Liability insurance cover is available	false
network	object	An object encapsulating a DPD Group network	

product	object	An object encapsulating a DPD Group shipping product	
service	object	An object encapsulating a service	

Object - deliveryDetails

Attribute	Type	Description	Example
address	object	An object containing properties which make up an address	
addressPoint	object	An object encapsulating the latitude and longitude of an address	
contactDetails	object	An object encapsulating contact information	
notificationDetails	object	An object encapsulating a recipient/customer notification	

Object - error

Attribute	Type	Description	Example
errorAction	string	The action associated with the errorMessage, this can be null if no action was required	
errorCode	string	The errorCode associated with the errorMessage	
errorMessage	string	An error message given for an action which was not successful	
errorObj	string	The object within the past in criteria which caused this exception	
errorType	string	The error type assigned to a error	

Object - network

Attribute	Type	Description	Example
country	object[]	An object encapsulating country attributes	
networkCode	string	The network code associated with the package	1^12
networkDescription	string	A human readable description of a DPD Group network	Parcel Nextday

Object - product

Attribute	Type	Description	Example
productCode	string	An indicator identifying a DPD Group product	1^1
productDescription	string	The human readable description of a DPD Group product	Parcel

Object - service

Attribute	Type	Description	Example
serviceCode	string	An identifier for a service	1^1
serviceDescription	string	The human readable description of a service	Next Day

Get Country

URL=GET:/shipping/country/[countryCode]

This API brings back the country details for a provided country code and can be used to determine if a country requires a postcode or if liability is allowed etc.

Accept
```
application/json
```

Example Request is shown below:
```
GET /shipping/country/GB HTTP/1.1
Host: api.dpd.co.uk
Accept: application/json
GeoClient: account/123456
GeoSession: 1234567890ABCDEFGHIJK
```

Example Response is shown below:
```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 354

{
      "error":null,
      "data":{
      "country":{
        "countryCode":"GB",
          "countryName":"United Kingdom",
          "internalCode":"UK",
          "isEUCountry":false,
          "isLiabilityAllowed":false,
          "isoCode":"826",
           "isPostcodeRequired":false,
          "liabilityMax":5000
      }
      }
}
```

Object Overview Diagram

Response Object

Attribute	Type	Description	Example
data	object	An object returned from the API which encapsulates the returning data	
error	object[]	An object which encapsulates errors thrown by the API	

Object - country

Attribute	Type	Description	Example
countryCode	string	The IATA code for a country	GB
countryName	string	The DPD Group name for a country	United Kingdom
internalCode	string	Internal country code	UK
isEUCountry	boolean	An indicator that a country is part of the European Union	false
isLiabilityAllowed	boolean	An indicator that Extended Liability insurance cover is available	false

isPostcodeRequired	boolean	An indicator that a post code is required to complete an adddress	false
isoCode	string	A value containing an iso country code	826
liabilityMax	integer	The maximum value the shipment can be	5000

Object - data

Attribute	Type	Description	Example
country	object	An object encapsulating country attributes	

Object - error

Attribute	Type	Description	Example
errorAction	string	The action associated with the errorMessage, this can be null if no action was required	
errorCode	string	The errorCode associated with the errorMessage	
errorMessage	string	An error message given for an action which was not successful	
errorObj	string	The object within the past in criteria which caused this exception	
errorType	string	The error type assigned to a error	

List Of Countries

URL=GET:/shipping/country

Provides a full list of available shipping countries

Accept
```
application/json
```

Example Request is shown below:
```
GET /shipping/country HTTP/1.1
Host: api.dpd.co.uk
Accept: application/json
GeoClient: account/123456
GeoSession: 1234567890ABCDEFGHIJK
```
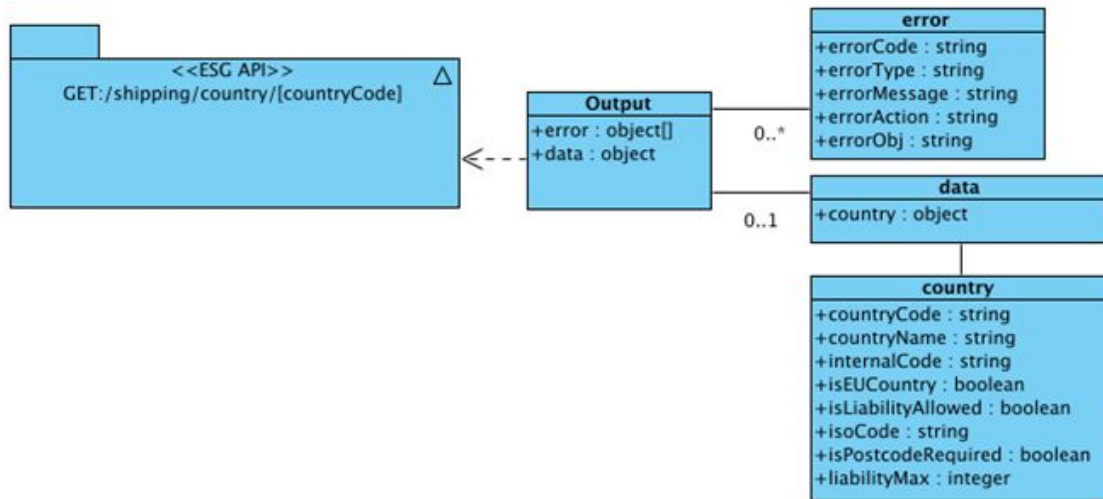
Example Response is shown below:
```
HTTP/1.1 200 OK
Content-Type: application/json

{
    "data": {
        "country": [
            {
                "countryCode": "GB",
                "countryName": "United Kingdom",
                "isoCode": "826",
                "isEUCountry": false,
                "isLiabilityAllowed": true,
                "liabilityMax": 5000,
                "isPostcodeRequired": true
            },
            {
                "countryCode": "IE",
                "countryName": "Republic of Ireland",
                "isoCode": "372",
                "isEUCountry": false,
                "isLiabilityAllowed": true,
                "liabilityMax": 5000,
                "isPostcodeRequired": false
            }
```

```
            ]
        }
}
```

Object Overview Diagram

Response Object

Attribute	Type	Description	Example
data	object	An object returned from the API which encapsulates the returning data	
error	object[]	An object which encapsulates errors thrown by the API	

Object - country

Attribute	Type	Description	Example
countryCode	string	The IATA code for a country	GB
countryName	string	The DPD Group name for a country	United Kingdom
internalCode	string	Internal country code	UK
isEUCountry	boolean	An indicator that a country is part of the European Union	false

isLiabilityAllowed	boolean	An indicator that Extended Liability insurance cover is available	true
isPostcodeRequired	boolean	An indicator that a post code is required to complete an adddress	true
isoCode	string	A value containing an iso country code	826
liabilityMax	integer	The maximum value the shipment can be	5000

Object - data

Attribute	Type	Description	Example
country	object[]	An object encapsulating country attributes	

Object - error

Attribute	Type	Description	Example
errorAction	string	The action associated with the errorMessage, this can be null if no action was required	
errorCode	string	The errorCode associated with the errorMessage	
errorMessage	string	An error message given for an action which was not successful	
errorObj	string	The object within the past in criteria which caused this exception	
errorType	string	The error type assigned to a error	

Get Service

URL=GET:/shipping/network/[GeoServiceCode]

Retrieves the supported countries for a GeoServiceCode

Accept
```
application/json
```

Example Request is shown below:
```
GET /shipping/network/101 HTTP/1.1
Host: api.dpd.co.uk
Accept: application/json
GeoClient: account/123456
GeoSession: 1234567890ABCDEFGHIJK
```

Example Response is shown below:
```
HTTP/1.1 200 OK
Content-Type: application/json

{
    "data": {
        "network": [
            {
                "networkCode": "1^19",
                "networkDescription": "Parcel - DPD Classic",
                "country": [
                    {
                        "countryCode": "AT",
                        "countryName": "Austria",
                        "isoCode": "040",
                        "isEUCountry": true,
                        "isLiabilityAllowed": true,
                        "liabilityMax": 5000
                    },
                    {
                        "countryCode": "BE",
                        "countryName": "Belgium",
                        "isoCode": "056",
                        "isEUCountry": true,
                        "isLiabilityAllowed": true,
                        "liabilityMax": 5000
                    }
```
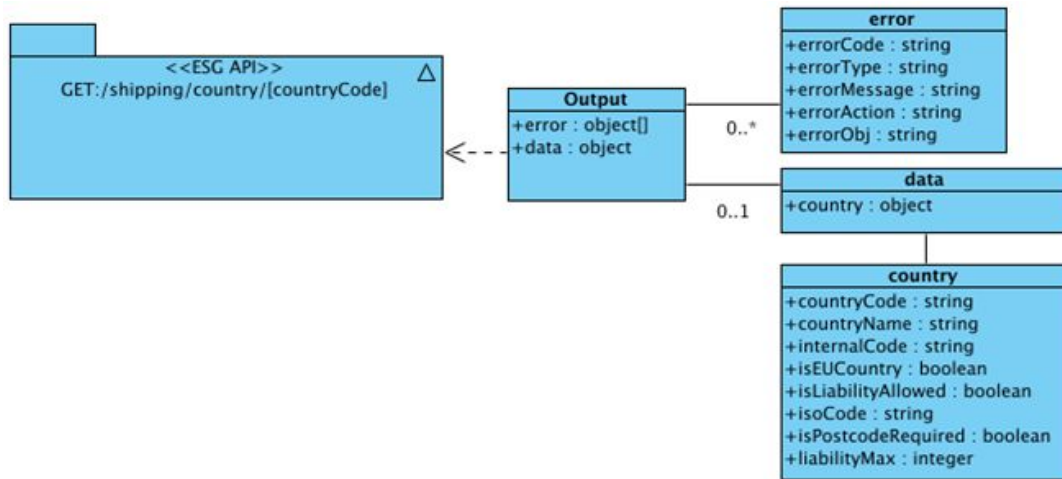
```
                    ]
                }
            ]
        }
    }
}
```

Object Overview Diagram

Response Object

Attribute	Type	Description	Example
data	object	An object returned from the API which encapsulates the returning data	
error	object[]	An object which encapsulates errors thrown by the API	

Object - country

Attribute	Type	Description	Example
countryCode	string	The IATA code for a country	AT
countryName	string	The DPD Group name for a country	Austria
isEUCountry	boolean	An indicator that a country is part of the European Union	true

isLiabilityAllowed	boolean	An indicator that Extended Liability insurance cover is available	true
isPostcodeRequired	boolean	An indicator that a post code is required to complete an adddress	
isoCode	string	A value containing an iso country code	040
liabilityMax	integer	The maximum value the shipment can be	5000

Object - data

Attribute	Type	Description	Example
network	object	An object encapsulating a DPD Group network	

Object - error

Attribute	Type	Description	Example
errorAction	string	The action associated with the errorMessage, this can be null if no action was required	
errorCode	string	The errorCode associated with the errorMessage	
errorMessage	string	An error message given for an action which was not successful	
errorObj	string	The object within the past in criteria which caused this exception	
errorType	string	The error type assigned to a error	

Object - network

Attribute	Type	Description	Example
country	object[]	An object encapsulating country attributes	
networkCode	string	The network code associated with the package	1^19
networkDescription	string	A human readable description of a DPD Group network	Parcel - DPD Classic

Insert Shipment

URL=POST:/shipping/shipment

Creates a shipment object.

The invoice object and Parcel Array should be populated with required properties detailed below to to utilise ECD functionality.

⚠️ **WARNING:** ECD Data should only be provided for International Air Shipments to destinations that require an invoice. For other destinations and services a paper invoice is still required to be provided.

The parcel array is required for declaring customs data using packageNumber and parcelProduct objects.

The test URL parameter can be used to see if the request is valid before submitting the actual shipment and can be useful within a transaction of shipments when all shipments are required to succeed. (E.g https://api.dpd.co.uk/shipping/shipment?test=true) This will allow you to validate the request is successful before actually submitting.

NOTE: Please utilise example request below as a basis for structuring your own request

Content-Type
```
application/json
```

Accept
```
application/json
```

Example Request is shown below:
```
POST /shipping/shipment HTTP/1.1
Host: api.dpd.co.uk
Content-Type: application/json
Accept: application/json
GeoClient: account/123456
GeoSession: 1234567890ABCDEFGHIJK
```

```
{
    "jobId": null,
    "collectionOnDelivery": false,
    "generateCustomsData": "Y",
    "invoice": {
        "countryOfOrigin": "GB",
        "invoiceCustomsNumber": "FDA Reg No",
        "invoiceExportReason": "Export Reason",
        "invoiceReference": "Invoice Reference",
        "invoiceType": 1,
        "shippingCost":0.00,
        "invoiceShipperDetails": {
            "contactDetails": {
                "contactName": "invoiceShipperDetails ContactName",
                "telephone": "0121 500 2500"
            },
            "address": {
                "organisation": "invoiceShipperDetails Organisation",
                "countryCode": "GB",
                "postcode": "B66 1BY",
                "street": "invoiceShipperDetails Street",
                "locality": "invoiceShipperDetails Locality",
                "town": "invoiceShipperDetails Town",
                "county": "invoiceShipperDetails County"
            },
            "vatNumber": "GBUNREG"
        },
        "invoiceDeliveryDetails": {
            "contactDetails": {
                "contactName": "invoiceDeliveryDetails ContactName",
                "telephone": "0121 500 2500"
            },
            "address": {
                "organisation": "invoiceDeliveryDetails Organisation",
                "countryCode": "AU",
                "postcode": "8090",
                "street": "invoiceDeliveryDetails Street",
                "locality": "invoiceDeliveryDetails Locality",
                "town": "invoiceDeliveryDetails Town",
                "county": "invoiceDeliveryDetails County"
            },
            "vatNumber": "DELIVERY123456789"
        }
    },
    "collectionDate": "2019-03-08T09:00:00",
    "consolidate": false,
    "consignment": [
        {
            "consignmentNumber": null,
```

```
            "consignmentRef": null,
            "parcel": [
                {
                    "packageNumber": 1,
                    "parcelProduct": [
                        {
                            "productCode": "12345678",
                            "productTypeDescription": "productTypeDescription",
                            "productItemsDescription": "productItemsDescription",
                            "productFabricContent": "productFabricContent",
                            "countryOfOrigin": "GB",
                            "productHarmonisedCode": "productHarmonisedCode",
                            "unitWeight": 4,
                            "numberOfItems": 1,
                            "unitValue": 15,
                                            "productUrl":
"www.dpd.co.uk/productURLtest"
                        }
                    ]
                }
            ],
            "collectionDetails": {
                "contactDetails": {
                    "contactName": " collectionDetails contactName",
                    "telephone": "0121 500 2500"
                },
                "address": {
                    "organisation": "collectionDetails Organisation",
                    "countryCode": "GB",
                    "postcode": "B66 1BY",
                    "street": "collectionDetails Street",
                    "locality": "collectionDetails Locality",
                    "town": "collectionDetails Town",
                    "county": "collectionDetails County"
                }
            },
            "deliveryDetails": {
                "contactDetails": {
                    "contactName": "deliveryDetails ContactName",
                    "telephone": "0121 500 2500"
                },
                "address": {
                    "organisation": "deliveryDetails Organisation",
                    "countryCode": "AU",
                    "postcode": "8090",
                    "street": "deliveryDetails Street",
                    "locality": "deliveryDetails Locality",
                    "town": "deliveryDetails Town",
                    "county": "deliveryDetails County"
                },
```

```
        "notificationDetails": {
            "email": "test@email.com",
            "mobile": "07921000001"
        }
    },
    "networkCode": "1^50",
    "numberOfParcels": 1,
    "totalWeight": 5,
    "shippingRef1": "shippingRef1",
    "shippingRef2": "shippingRef2",
    "shippingRef3": "shippingRef3",
    "customsValue": 15,
    "deliveryInstructions": "Delivery Instructions",
    "parcelDescription": "parcelDescription",
    "liabilityValue": null,
    "liability": false,
    "shippersDestinationTaxId": "SHTaxID",
    "vatPaid": "Y"

    }
  ]
}
```

Example Response is shown below:

```
{
    "error": null,
    "data": {
        "shipmentId": 1055223,
        "consolidated": false,
        "consignmentDetail": [
            {
                "consignmentNumber": "1999236263",
                "parcelNumbers": [
                    "15501999236263"
                ]
            }
        ]
    }
}
```
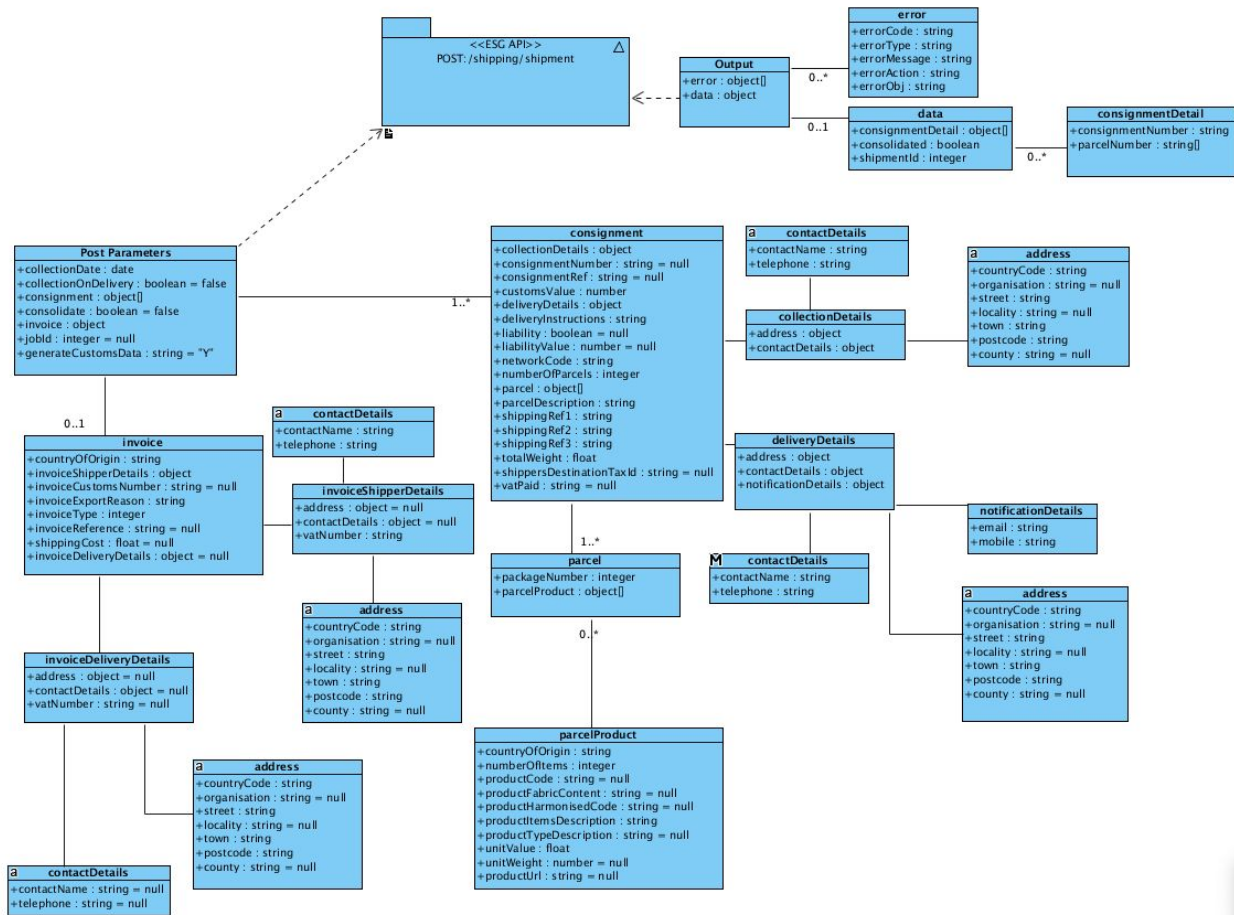
Object Overview Diagram

error
+errorCode : string
+errorType : string
+errorMessage : string
+errorAction : string
+errorObj : string

<<ESG API>>
POST: /shipping/shipment

Output
+error : object[]
+data : object

0..*

data
+consignmentDetail : object[]
+consolidated : boolean
+shipmentId : integer

0..1

consignmentDetail
+consignmentNumber : string
+parcelNumber : string[]

0..*

Post Parameters
+collectionDate : date
+collectionOnDelivery : boolean = false
+consignment : object[]
+consolidate : boolean = false
+invoice : object
+jobId : integer = null
+generateCustomsData : string = "Y"

consignment
+collectionDetails : object
+consignmentNumber : string = null
+consignmentRef : string = null
+customsValue : number
+deliveryDetails : object
+deliveryInstructions : string
+liability : boolean = null
+liabilityValue : number = null
+networkCode : string
+numberOfParcels : integer
+parcel : object[]
+parcelDescription : string
+shippingRef1 : string
+shippingRef2 : string
+shippingRef3 : string
+totalWeight : float
+shippersDestinationTaxId : string = null
+vatPaid : string = null

1..*

a contactDetails
+contactName : string
+telephone : string

address
+countryCode : string
+organisation : string = null
+street : string
+locality : string = null
+town : string
+postcode : string
+county : string = null

collectionDetails
+address : object
+contactDetails : object

0..1

invoice
+countryOfOrigin : string
+invoiceShipperDetails : object
+invoiceCustomsNumber : string = null
+invoiceExportReason : string
+invoiceType : integer
+invoiceReference : string = null
+shippingCost : float = null
+invoiceDeliveryDetails : object = null

a contactDetails
+contactName : string
+telephone : string

invoiceShipperDetails
+address : object = null
+contactDetails : object = null
+vatNumber : string

deliveryDetails
+address : object
+contactDetails : object
+notificationDetails : object

notificationDetails
+email : string
+mobile : string

1..*

parcel
+packageNumber : integer
+parcelProduct : object[]

M contactDetails
+contactName : string
+telephone : string

a address
+countryCode : string
+organisation : string = null
+street : string
+locality : string = null
+town : string
+postcode : string
+county : string = null

a address
+countryCode : string
+organisation : string = null
+street : string
+locality : string = null
+town : string
+postcode : string
+county : string = null

invoiceDeliveryDetails
+address : object = null
+contactDetails : object = null
+vatNumber : string = null

0..*

parcelProduct
+countryOfOrigin : string
+numberOfItems : integer
+productCode : string = null
+productFabricContent : string = null
+productHarmonisedCode : string = null
+productItemsDescription : string
+productTypeDescription : string = null
+unitValue : float
+unitWeight : number = null
+productUrl : string = null

a address
+countryCode : string
+organisation : string = null
+street : string
+locality : string = null
+town : string
+postcode : string
+county : string = null

a contactDetails
+contactName : string = null
+telephone : string = null

Post Parameters

Attribute	Type	Description	Example
collectionDate **(Mandatory)**	date	Collection Date and approximate time of parcel collection.	2019-03-08T09:00:00
collectionOnDelivery **(Mandatory)**	boolean		false
consignment **(Mandatory)**	object[]	An object which encapsulates the details to deliver to a single address which can have 1 or more parcels	
consolidate **(Mandatory)**	boolean	Indicates if an object is found within the database with similar details it can be merged with this item	false (Must always set to false)

generateCustomsData **(Mandatory)**	string	Flag to enable customs data	Y (Must always be "Y" for International Air Shipments to destination's that require an Invoice)
invoice **(Mandatory)**	object	An object which encapsulates the international invoice details	
jobId **(Mandatory)**	integer	The id associated with a collection of objects	null (Must always be null)

Object - consignment

Attribute	Type	Description	Example
collectionDetails **(Mandatory)**	object	An object encapsulating the collection details	
consignmentNumber **(Mandatory)**	string	The identifier number for the delivery to the address	null (Must always be null)
consignmentRef **(Mandatory)**	string	A link to the parent consignment number	null (Must always be null)
customsValue **(Mandatory)**	number	The customs/ invoice value. The total value (GBP) of the items within the parcel to be displayed on the invoice (Not including shipping costs)	15
deliveryDetails **(Mandatory)**	object	An object encapsulating the delivery details	
deliveryInstructions	string	The delivery instructions associated with delivering a parcel	Delivery Instructions
liability **(Mandatory)**	boolean	Is liability required (true/false)	false
liabilityValue **(Mandatory)**	number	The value the product should be insured (To be populated if liability is set to "true" or null value when set to false), (*Maximum Value £5000.*)	null
networkCode **(Mandatory)**	string	The network code associated with the Service you wish to use (e.g 1^50)	1^50
numberOfParcels **(Mandatory)**	integer	The number of packages	1
parcel **(Mandatory)**	object[]	An object which encapsulates all the parcels details	
parcelDescription **(Mandatory)**	string	A detailed description of what is present in the parcel. This field is used by our suppliers for customs entries. It is vital that it is populated correctly. *(Max 50 Characters)*	parcelDescription

shippersDestinationTaxId	string	Destination Tax Number (Required for Australian shipments only) *(Max 45 Characters)*	SHTaxID
shippingRef1	string	The first reference associated with the shipment *(Max 25 Characters)*	shippingRef1
shippingRef2	string	The second reference associated with the shipment *(Max 25 Characters)*	shippingRef2
shippingRef3	string	The third reference associated with the shipment *(Max 25 Characters)*	shippingRef3
totalWeight **(Mandatory)**	float	In Kg - the total weight of the parcel to be displayed on the invoice	5
vatPaid	string	Is destination tax collected (Y/N) (Required for Australian shipments only)	Y

Object - deliveryDetails

Attribute	Type	Description	Example
address **(Mandatory)**	object	An object containing properties which make up an address	
contactDetails **(Mandatory)**	object	An object encapsulating contact information	
notificationDetails **(Mandatory)**	object	An object encapsulating a recipient/customer notification	

Object - address

Attribute	Type	Description	Example
countryCode **(Mandatory)**	string	The IATA code for a country *(Max 2 Characters)*	AU
county	string	The county section of an address *(Max 35 Characters)*	deliveryDetails County
locality	string	A particular area *(Max 35 Characters)*	deliveryDetails Locality
organisation **(Mandatory)**	string	The organisational name assigned to a company or receivers name. *(Max 35 Characters)*	deliveryDetails Organisation

Attribute	Type	Description	Example
postcode **(Mandatory)**	string	The assigned identity aligned to the property given by the post office	8090
street **(Mandatory)**	string	The street section of an address *(Max 35 Characters)*	deliveryDetails Street
town **(Mandatory)**	string	The town section of an address *(Max 35 Characters)*	deliveryDetails Town

Object - contactDetails

Attribute	Type	Description	Example
contactName **(Mandatory)**	string	The contact name *(Max 35 Characters)*	deliveryDetails ContactName
telephone **(Mandatory)**	string	A telephone number *(Max 15 Characters)*	0121 500 2510

Object - notificationDetails

Attribute	Type	Description	Example
email **(Mandatory)**	string	An email address (Either SMS or Email needs to be provided) *(Max 50 Characters)*	test@email.com
mobile **(Mandatory)**	string	A mobile telephone number (Either SMS or Email needs to be provided) *(Max 15 Characters)*	07921000001

Object - collectionDetails

Attribute	Type	Description	Example
address **(Mandatory)**	object	An object containing properties which make up an address	
contactDetails **(Mandatory)**	object	An object encapsulating contact information	

Object - address

Attribute	Type	Description	Example
countryCode **(Mandatory)**	string	The IATA code for a country *(Max 2 Characters)*	GB
county	string	The county section of an address *(Max 35 Characters)*	collectionDetails County
locality	string	A particular area *(Max 35 Characters)*	collectionDetails Locality
organisation **(Mandatory)**	string	The organisational name assigned to a company *(Max 35 Characters)*	collectionDetails Organisation
postcode **(Mandatory)**	string	The assigned identity aligned to the property given by the post office	B66 1BY
street **(Mandatory)**	string	The street section of an address *(Max 35 Characters)*	collectionDetails Street
town **(Mandatory)**	string	The town section of an address *(Max 35 Characters)*	collectionDetails Town

Object - contactDetails

Attribute	Type	Description	Example
contactName	string	The contact name *(Max 35 Characters)*	collectionDetails contactName
telephone	string	A telephone number *(Max 15 Characters)*	0121 500 2500

Object - parcel

Attribute	Type	Description	Example
packageNumber **(Mandatory)**	integer	The package number within the shipment, for a 1 parcel shipment the parcels package number is 1, for a 2 parcel shipment the parcels package number would be 1 and repeated for 2.	1
parcelProduct **(Mandatory)**	object[]	The customers product details	

Object - parcelProduct

Attribute	Type	Description	Example
countryOfOrigin **(Mandatory)**	string	The IATA code for the country where the product originates *(Max 2 Characters)*	GB
numberOfItems **(Mandatory)**	integer	The quantity of that particular product in the parcel	1
productCode	string	Product Code *(Max 255 Characters)*	12345678
productFabricContent	string	The fabric content associated with the product *(Max 200 Characters)*	productFabricContent
productHarmonisedCode	string	The harmonised code associated with the product, Most appropriate HTS code for product *(Max 10 Characters)*	productHarmonisedCode
productItemsDescription **(Mandatory)**	string	The human readable description of the product items, An in-depth description of the product e.g "Women's Cotton Jumper, Size L, Grey & Black" *(Max 200 Characters)*	productItemsDescription
productTypeDescription **(Mandatory)**	string	The human readable product type description, A brief description of what type of product the item is. (This needs to be in English) e. Women's Jumper *(Max 40 Characters)*	productTypeDescription
productUrl	string	Product URL, Required for Russia shipments only. *(Max 255 Characters)*	www.dpd.co.uk/productURLtest
unitValue **(Mandatory)**	float	The unit value of that particular product *(Max 7N.2N)*	15
unitWeight	number	The unit weight (in Kg)	4

Object - invoice

Attribute	Type	Description	Example
countryOfOrigin **(Mandatory)**	string	The IATA code for the country where the product originates *(Max 2 Characters)*	GB
invoiceCustomsNumber	string	FDA registration number, Only required for Food and Drugs shipments to USA. *(Max 30 Characters)*	FDA Reg No

invoiceDeliveryDetails	object	The delivery address and contact associated with the international invoice	
invoiceExportReason **(Mandatory)**	string	The invoice export reason *(Max 40 Characters)*	Export Reason
invoiceReference	string	Reference for the generated invoice *(Max 30 Characters)*	Invoice Reference
invoiceShipperDetails	object	The invoice address and contact associated with the international invoice	
invoiceType **(Mandatory)**	string	The type of international invoice, 1= Proforma 2=Commercial *(Max 1 Characters)*	1
shippingCost	float	Shipping Cost ,The costs of shipping the parcel. **Note**: We **highly** recommend populating this with '0.00' *(Max 6N.2N)*	0.00

Object – invoiceDeliveryDetails

Attribute	Type	Description	Example
address	object	An object containing properties which make up an address, Required if different from Receiver	
contactDetails	object	An object encapsulating contact information	
vatNumber	string	Receiver's VAT No/ PID No./EORI Mandatory if the recipient address is a business address *(Max 16 Characters)*	DELIVERY123456789

Object – contactDetails

Attribute	Type	Description	Example
contactName	string	The contact name, Required if different from Receiver *(Max 35 Characters)*	invoiceDeliveryDetails ContactName

Attribute	Type	Description	Example
telephone	string	A telephone number, Required if different from Receiver *(Max 15 Characters)*	0121 500 2500

Object - address

Attribute	Type	Description	Example
countryCode	string	The IATA code for a country, Required if different from Receiver *(Max 2 Characters)*	AU
county	string	The county section of an address, Required if different from Receiver *(Max 35 Characters)*	invoiceDeliveryDetails County
locality	string	A particular area, Required if different from Receiver *(Max 35 Characters)*	invoiceDeliveryDetails Locality
organisation	string	The organisational name assigned to a company, Required if different from Receiver. *(Max 35 Characters)*	invoiceDeliveryDetails Organisation
postcode	string	The assigned identity aligned to the property given by the post office, Required if different from Receiver	8090
street	string	The street section of an address, Required if different from Receiver. *(Max 35 Characters)*	invoiceDeliveryDetails Street
town	string	The town section of an address, Required if different from Receiver. *(Max 35 Characters)*	invoiceDeliveryDetails Town

Object - invoiceShipperDetails

Attribute	Type	Description	Example
address	object	An object containing properties which make up an address, This should be provided if different from collectionDetails.	
contactDetails	object	An object encapsulating contact information. This should be provided if different from collectionDetails.	
vatNumber **(Mandatory)**	string	Shipper's VAT No/EORI number Mandatory (if a customer is not EORI registered, populate with GBUNREG) *(Max 16 Characters)*	GBUNREG

Object - address

Attribute	Type	Description	Example
countryCode	string	The IATA code for a country This should be provided if different from collectionDetails *(Max 2 Characters)*	GB
county	string	The county section of an address, This should be provided if different from collectionDetails *(Max 35 Characters)*	invoiceShipperDetails County
locality	string	A particular area, This should be provided if different from collectionDetails *(Max 35 Characters)*	invoiceShipperDetails Locality
organisation	string	The organisational name assigned to a company, This should be provided if different from collectionDetails *(Max 35 Characters)*	invoiceShipperDetails Organisation
postcode	string	The assigned identity aligned to the property given by the post office, This should be provided if different from collectionDetails	B66 1BY
street	string	The street section of an address, This should be provided if different from collectionDetails *(Max 35 Characters)*	invoiceShipperDetails Street
town	string	The town section of an address, This should be provided if different from collectionDetails *(Max 35 Characters)*	invoiceShipperDetails Town

Object - contactDetails

Attribute	Type	Description	Example
contactName	string	The contact name, This should be provided if different from collectionDetails *(Max 35 Characters)*	invoiceShipperDetails ContactName
telephone	string	A telephone number, This should be provided if different from collectionDetails *(Max 15 Characters)*	0121 500 2500

Response Object

Attribute	Type	Description	Example
data	object	An object returned from the API which encapsulates the returning data	
error	object[]	An object which encapsulates errors thrown by the API	

Object - data

Attribute	Type	Description	Example
consignmentDetail	object[]	Holds the consignment and parcel numbers	
consolidated	boolean	indicator to determine whether a shipment has been consolidated	false
shipmentId	integer	An identifier for a shipment	1055223

Object - consignmentDetail

Attribute	Type	Description	Example
consignmentNumber	string	The identifier number for the delivery to the address	1999236263
parcelNumber	string[]	The 14 digit number used to track the parcel	15501999236263

Object - error

Attribute	Type	Description	Example
errorAction	string	The action associated with the errorMessage, this can be null if no action was required	
errorCode	string	The errorCode associated with the errorMessage	
errorMessage	string	An error message given for an action which was not successful	
errorObj	string	The object within the past in criteria which caused this exception	

errorType	string	The error type assigned to a error	

Error Code Summary

For Detailed Error Responses please see appendix "Insert Shipment Detailed Error Messages

Name	Type	Description
1014	application error	Account on stop
1000	application error	General Application Error
1008	validation error	Invalid boolean value
1009	validation error	Invalid postcode value
1010	validation error	Invalid telephone number
1011	validation error	Invalid number (integer)
1012	validation error	Invalid number (float)
1013	validation error	Invalid email address
1015	validation error	Maximum value exceeded
1016	validation error	Number should be between 0.01 and 9999999.99
1017	validation error	Number should be between 1 and 99999

Get Labels

URL=GET:/shipping/shipment/[shipmentId]/label/

Once a shipment has been created this API is available to pass the shipmentId returned from the insert shipment API to return label output.

The label can be returned in different formats by setting the appropriate accept type header. Please see available options below:

text/vnd.citizen-clp; - For use with Citizen Thermal Printers (Please refer to prerequisites for label dimension information.)

text/vnd.eltron-epl; = Intended for use with Eltron Printer / Or certain printer models that support EPL emulation. (Please refer to prerequisites for label dimension information.)

text/html = Plain text HTML output, intended for printing to A4 laser Printer on A4 stationary

> ⚠️ **WARNING:** Printing HTML output provided via API to a Thermal printer may cause label output to be scaled under minimum requirements and fail verification once label is received by ourselves and analysed.

<u>Accept</u>
```
text/vnd.citizen-clp;
text/vnd.eltron-epl;
text/html
```

<u>Example Request is shown below:</u>
```
GET /shipping/shipment/987324/label/ HTTP/1.1
Host: api.dpd.co.uk
Accept: text/vnd.citizen-clp
GeoClient: account/123456
GeoSession: 1234567890ABCDEFGHIJK
```

Example Response is shown below:

HTTP/1.1 200 OK

```
Content-Type: text/vnd.citizen-clp


{
}
```

content-type
[None]

accept
text/vnd.citizen-clp
text/vnd.eltron-epl
text/html

<<ESG API>>
GET:/shipping/shipment/[shipmentId]/label/

Output
printString

Response Object

Attribute	Type	Description	Example
printString		The actual print string to be sent to the printer	

Barcode Metrics

There are important dimensional properties that must be fulfilled for labels to pass verification. It is highly recommended that this is validated prior to sending physical label examples for sign off. NOTE: Use only white label stock (Direct thermal printing preferred).

Laser/Thermal Printer

Overall Bar Code Size
Barcode dimensions:
Minimum: 91.5mm x 25mm height

Bar-Code Quiet Zones

You **must** have a minimum of 5 mm on either side of the bar code extending at 45 degrees from the corners (see below). Additionally you **must** have a minimum of 1 mm on top and bottom of the entire barcode.

Insert Shipment Detailed Error Messages

Error Code	Object	Error Type	Error Message	Error Action
1030	collectionDate	Validation	The specified shipment date is in the past	
1030	collectionDate	Validation	The specified shipment date is unavailable	
1030	collectionDate	Validation	The specified shipment date is more than 7 days in the future	
1030	collectionDate	Validation	The specified shipment date is more than 30 days in the future	
1030	collectionDate	Validation	The specified shipment date is more than 3 days in the future	
1002	collectionDate	Validation	Incorrect date format YYYY-MM-DD	
1007	collectionDate	Validation	Missing mandatory field	
1007	collectionOnDelivery	Validation	Missing mandatory field	
1008	collectionOnDelivery	Validation	Invalid boolean value	
1021	consignment.networkCode	Validation	Service Denied	
1021	consignment.networkCode	Validation	Service Denied	
1007	consignment.parcel	Validation	Missing mandatory field	
1007	consignment.parcel.parcelProduct	Validation	Missing mandatory field	
1030	consignment.parcel.parcelProduct.countryOfOrigin	Validation	Product country of origin not found	
1007	consignment.parcel.parcelProduct.countryOfOrigin	Validation	Missing mandatory field	
1001	consignment.parcel.parcelProduct.countryOfOrigin	Validation	Maximum length exceeded	Field truncated
1007	consignment.parcel.parcelProduct.numberOfItems	Validation	Missing mandatory field	
1017	consignment.parcel.parcelProduct.numberOfItems	Validation	Number should be between 1 and 99999	
1007	consignment.parcel.parcelProduct.productCode	Validation	Missing mandatory field	
1001	consignment.parcel.parcelProduct.productCode	Validation	Maximum length exceeded	Field truncated
1007	consignment.parcel.parcelProduct.productFabricContent	Validation	Missing mandatory field	
1001	consignment.parcel.parcelProduct.productFabricContent	Validation	Maximum length exceeded	Field truncated
1001	consignment.parcel.parcelProduct.productHarmonisedCode	Validation	Maximum length exceeded	Field truncated

1007	consignment.parcel.parcelProduct.productItemsDescription	Validation	Missing mandatory field	
1001	consignment.parcel.parcelProduct.productItemsDescription	Validation	Maximum length exceeded	Field truncated
1007	consignment.parcel.parcelProduct.productTypeDescription	Validation	Missing mandatory field	
1001	consignment.parcel.parcelProduct.productTypeDescription	Validation	Maximum length exceeded	Field truncated
1007	consignment.parcel.parcelProduct.unitValue	Validation	Missing mandatory field	
1016	consignment.parcel.parcelProduct.unitValue	Validation	Number should be between 0.01 and 9999999.99	
1007	consignment.parcel.parcelProduct.unitWeight	Validation	Missing mandatory field	
1015	consignment.parcel.parcelProduct.unitWeight	Validation	Maximum value exceeded	
1016	consignment.parcel.parcelProduct.unitWeight	Validation	Number should be between 0.01 and 9999999.99	
1007	consignment[0]	Validation	Missing mandatory field	
1007	consignment[0].collectionDetails.address.countryCode	Validation	Missing mandatory field	
1001	consignment[0].collectionDetails.address.countryCode	Validation	Maximum length exceeded	Field truncated
1001	consignment[0].collectionDetails.address.county	Validation	Maximum length exceeded	Field truncated
1001	consignment[0].collectionDetails.address.locality	Validation	Maximum length exceeded	Field truncated
1001	consignment[0].collectionDetails.address.organisation	Validation	Maximum length exceeded	Field truncated
1007	consignment[0].collectionDetails.address.postcode	Validation	Missing mandatory field	
1009	consignment[0].collectionDetails.address.postcode	Validation	Invalid postcode value	
1001	consignment[0].collectionDetails.address.postcode	Validation	Maximum length exceeded	Field truncated
1007	consignment[0].collectionDetails.address.street	Validation	Missing mandatory field	
1001	consignment[0].collectionDetails.address.street	Validation	Maximum length exceeded	Field truncated
1007	consignment[0].collectionDetails.address.town	Validation	Missing mandatory field	
1001	consignment[0].collectionDetails.address.town	Validation	Maximum length exceeded	Field truncated
1001	consignment[0].collectionDetails.contactDetails.contactName	Validation	Maximum length exceeded	Field truncated

1001	consignment[0].collectionDetails.contactDetails.telephone	Validation	Maximum length exceeded	Field truncated
1010	consignment[0].collectionDetails.contactDetails.telephone	Validation	Invalid telephone number	Field truncated
1030	consignment[0].customsCurrency	Validation	Customs currency must be 3-character ISO-4217 code	
1030	consignment[0].customsCurrency	Validation	Customs currency must be alphabetic ISO-4217 code	
1007	consignment[0].customsValue	Validation	Missing mandatory field	
1012	consignment[0].customsValue	Validation	Invalid number (float)	
1007	consignment[0].deliveryDetails.address.countryCode	Validation	Missing mandatory field	
1018	consignment[0].deliveryDetails.address.countryCode	Validation	Invalid field	
1018	consignment[0].deliveryDetails.address.countryCode	Validation	Invalid field	
1001	consignment[0].deliveryDetails.address.countryCode	Validation	Maximum length exceeded	Field truncated
1001	consignment[0].deliveryDetails.address.county	Validation	Maximum length exceeded	Field truncated
1001	consignment[0].deliveryDetails.address.locality	Validation	Maximum length exceeded	Field truncated
1030	consignment[0].deliveryDetails.address.organisation	Validation	Delivery Organisation is mandatory for a Ship to Shop service if Delivery Contact Name is not specified	
1001	consignment[0].deliveryDetails.address.organisation	Validation	Maximum length exceeded	Field truncated
1007	consignment[0].deliveryDetails.address.postcode	Validation	Missing mandatory field	
1009	consignment[0].deliveryDetails.address.postcode	Validation	Invalid postcode value	
1009	consignment[0].deliveryDetails.address.postcode	Validation	Invalid postcode value	
1001	consignment[0].deliveryDetails.address.postcode	Validation	Maximum length exceeded	Field truncated
1007	consignment[0].deliveryDetails.address.street	Validation	Missing mandatory field	
1001	consignment[0].deliveryDetails.address.street	Validation	Maximum length exceeded	Field truncated
1007	consignment[0].deliveryDetails.address.town	Validation	Missing mandatory field	
1001	consignment[0].deliveryDetails.address.town	Validation	Maximum length exceeded	Field truncated
1030	consignment[0].deliveryDetails.contactDetails.contactName	Validation	Delivery Contact Name is mandatory for a Ship to Shop service if Delivery Organisation is not specified	

1007	consignment[0].deliveryDetails.contactDetails.contactName	Validation	Missing mandatory field	
1007	consignment[0].deliveryDetails.contactDetails.contactName	Validation	Missing mandatory field	
1001	consignment[0].deliveryDetails.contactDetails.contactName	Validation	Maximum length exceeded	Field truncated
1007	consignment[0].deliveryDetails.contactDetails.telephone	Validation	Missing mandatory field	
1010	consignment[0].deliveryDetails.contactDetails.telephone	Validation	Invalid telephone number	
1001	consignment[0].deliveryDetails.contactDetails.telephone	Validation	Maximum length exceeded	Field truncated
1030	consignment[0].deliveryDetails.notificationDetails	Validation	Notification email/telephone number is mandatory for a Ship to Shop service	
1007	consignment[0].deliveryDetails.notificationDetails.email	Validation	Missing mandatory field	
1013	consignment[0].deliveryDetails.notificationDetails.email	Validation	Invalid email address	
1001	consignment[0].deliveryDetails.notificationDetails.email	Validation	Maximum length exceeded	Field truncated
1007	consignment[0].deliveryDetails.notificationDetails.mobile	Validation	Missing mandatory field	
1010	consignment[0].deliveryDetails.notificationDetails.mobile	Validation	Invalid telephone number	
1001	consignment[0].deliveryDetails.notificationDetails.mobile	Validation	Maximum length exceeded	Field truncated
1007	consignment[0].deliveryInstructions	Validation	Missing mandatory field	Field truncated
1030	consignment[0].liability	Validation	Extended liability cannot be applied to a ship to shop parcel	
1007	consignment[0].liability	Validation	Missing mandatory field	
1008	consignment[0].liability	Validation	Invalid boolean value	
1007	consignment[0].liabilityValue	Validation	Missing mandatory field	
1012	consignment[0].liabilityValue	Validation	Invalid number (float)	
1015	consignment[0].liabilityValue	Validation	Maximum value exceeded	
1030	consignment[0].networkCode	Validation	Service is restricted	
1007	consignment[0].networkCode	Validation	Missing mandatory field	
1007	consignment[0].networkCode	Validation	Missing mandatory field	
1018	consignment[0].networkCode	Validation	Invalid field	
1007	consignment[0].numberOfParcels	Validation	Missing mandatory field	
1015	consignment[0].numberOfParcels	Validation	Maximum value exceeded	
1015	consignment[0].numberOfParcels	Validation	Maximum value exceeded	
1019	consignment[0].numberOfParcels	Validation	Number not in range	
1007	consignment[0].parcel	Validation	Missing mandatory field	

1007	consignment[0].parcelDescription	Validation	Missing mandatory field	
1001	consignment[0].parcelDescription	Validation	Maximum length exceeded	Field truncated
1030	consignment[0].pickupLocation.address	Validation	Pickup address is mandatory for a Ship to Shop service	
1030	consignment[0].pickupLocation.address.countryCode	Validation	Pickup country code is mandatory for a Ship to Shop service	
1030	consignment[0].pickupLocation.address.postcode	Validation	Pickup post code is mandatory for a Ship to Shop service	
1030	consignment[0].pickupLocation.pickupLocationCode	Validation	Pickup location code is mandatory for a Ship to Shop service	
1030	consignment[0].pickupLocation.pickupLocationCode	Validation	Pickup location ID cannot be specified for a non Ship to Shop service	
1030	consignment[0].pickupLocation.pickupLocationCode	Validation	Ship to Shop parcels must be marked suitable for shop collection	
1030	consignment[0].pickupLocation.pickupLocationCode	Validation	Pickup location specified is not active	
1030	consignment[0].pickupLocation.pickupLocationCode	Validation	Pickup location must be in the same country as the recipients address	
1007	consignment[0].shippersDestinationTaxId	Validation	Missing mandatory field	
1030	consignment[0].shippingRef1	Validation	Outbound shippingRef1 is not unique	
1030	consignment[0].shippingRef1	Validation	Outbound shippingRef1 is not unique	
1007	consignment[0].shippingRef1	Validation	Missing mandatory field	
1007	consignment[0].shippingRef1	Validation	Missing mandatory field	
1018	consignment[0].shippingRef1	Validation	Invalid field	
1001	consignment[0].shippingRef1	Validation	Maximum length exceeded	Field truncated
1001	consignment[0].shippingRef1	Validation	Maximum length exceeded	Field truncated
1007	consignment[0].shippingRef2	Validation	Missing mandatory field	
1001	consignment[0].shippingRef2	Validation	Maximum length exceeded	Field truncated
1007	consignment[0].shippingRef3	Validation	Missing mandatory field	
1001	consignment[0].shippingRef3	Validation	Maximum length exceeded	Field truncated
1007	consignment[0].totalWeight	Validation	Missing mandatory field	
1015	consignment[0].totalWeight	Validation	Maximum value exceeded	
1015	consignment[0].totalWeight	Validation	Maximum value exceeded	
1019	consignment[0].totalWeight	Validation	Number not in range	
1007	consignment[1]	Validation	Missing mandatory field	
1007	consignment[1].collectionDetails.address.countryCode	Validation	Missing mandatory field	

1001	consignment[1].collectionDetails.address.countryCode	Validation	Maximum length exceeded	Field truncated
1001	consignment[1].collectionDetails.address.county	Validation	Maximum length exceeded	Field truncated
1001	consignment[1].collectionDetails.address.locality	Validation	Maximum length exceeded	Field truncated
1001	consignment[1].collectionDetails.address.organisation	Validation	Maximum length exceeded	Field truncated
1007	consignment[1].collectionDetails.address.postcode	Validation	Missing mandatory field	
1009	consignment[1].collectionDetails.address.postcode	Validation	Invalid postcode value	
1001	consignment[1].collectionDetails.address.postcode	Validation	Maximum length exceeded	Field truncated
1007	consignment[1].collectionDetails.address.street	Validation	Missing mandatory field	
1001	consignment[1].collectionDetails.address.street	Validation	Maximum length exceeded	Field truncated
1007	consignment[1].collectionDetails.address.town	Validation	Missing mandatory field	
1001	consignment[1].collectionDetails.address.town	Validation	Maximum length exceeded	Field truncated
1001	consignment[1].collectionDetails.contactDetails.contactName	Validation	Maximum length exceeded	Field truncated
1010	consignment[1].collectionDetails.contactDetails.telephone	Validation	Invalid telephone number	
1001	consignment[1].collectionDetails.contactDetails.telephone	Validation	Maximum length exceeded	Field truncated
1007	consignment[1].deliveryDetails.address.countryCode	Validation	Missing mandatory field	
1001	consignment[1].deliveryDetails.address.countryCode	Validation	Maximum length exceeded	Field truncated
1001	consignment[1].deliveryDetails.address.county	Validation	Maximum length exceeded	
1001	consignment[1].deliveryDetails.address.locality	Validation	Maximum length exceeded	Field truncated
1001	consignment[1].deliveryDetails.address.organisation	Validation	Maximum length exceeded	Field truncated
1007	consignment[1].deliveryDetails.address.postcode	Validation	Missing mandatory field	
1009	consignment[1].deliveryDetails.address.postcode	Validation	Invalid postcode value	
1001	consignment[1].deliveryDetails.address.postcode	Validation	Maximum length exceeded	Field truncated
1007	consignment[1].deliveryDetails.address.street	Validation	Missing mandatory field	

1001	consignment[1].deliveryDetails.address.street	Validation	Maximum length exceeded	Field truncated
1007	consignment[1].deliveryDetails.address.town	Validation	Missing mandatory field	
1001	consignment[1].deliveryDetails.address.town	Validation	Maximum length exceeded	Field truncated
1007	consignment[1].deliveryDetails.contactDetails.contactName	Validation	Missing mandatory field	
1001	consignment[1].deliveryDetails.contactDetails.contactName	Validation	Maximum length exceeded	Field truncated
1007	consignment[1].deliveryDetails.contactDetails.telephone	Validation	Missing mandatory field	
1010	consignment[1].deliveryDetails.contactDetails.telephone	Validation	Invalid telephone number	
1001	consignment[1].deliveryDetails.contactDetails.telephone	Validation	Maximum length exceeded	Field truncated
1001	consignment[1].deliveryInstructions	Validation	Maximum length exceeded	Field truncated
1007	consignment[1].networkCode	Validation	Missing mandatory field	
1018	consignment[1].networkCode	Validation	Invalid field	
1007	consignment[1].numberOfParcels	Validation	Missing mandatory field	
1015	consignment[1].numberOfParcels	Validation	Maximum value exceeded	
1015	consignment[1].numberOfParcels	Validation	Maximum value exceeded	
1015	consignment[1].numberOfParcels	Validation	Maximum value exceeded	
1019	consignment[1].numberOfParcels	Validation	Number not in range	
1019	consignment[1].numberOfParcels	Validation	Number not in range	
1007	consignment[1].parcelDescription	Validation	Missing mandatory field	
1001	consignment[1].parcelDescription	Validation	Maximum length exceeded	Field truncated
1007	consignment[1].shippingRef1	Validation	Missing mandatory field	
1001	consignment[1].shippingRef1	Validation	Maximum length exceeded	Field truncated
1001	consignment[1].shippingRef2	Validation	Maximum length exceeded	Field truncated
1001	consignment[1].shippingRef3	Validation	Maximum length exceeded	Field truncated
1007	consignment[1].totalWeight	Validation	Missing mandatory field	
1007	invoice	Validation	Missing mandatory field	
1001	invoice.invoiceCountryOfOrigin	Validation	Maximum length exceeded	
1007	invoice.invoiceCountryOfOrigin	Validation	Missing mandatory field	
1007	invoice.invoiceCustomsNumber	Validation	Missing mandatory field	
1001	invoice.invoiceCustomsNumber	Validation	Maximum length exceeded	Field truncated

1001	invoice.invoiceCustomsNumber	Validation	Maximum length exceeded	Field truncated
1007	invoice.invoiceDeliveryDetails.address.countryCode	Validation	Missing mandatory field	
1001	invoice.invoiceDeliveryDetails.address.countryCode	Validation	Maximum length exceeded	Field truncated
1001	invoice.invoiceDeliveryDetails.address.county	Validation	Maximum length exceeded	Field truncated
1001	invoice.invoiceDeliveryDetails.address.locality	Validation	Maximum length exceeded	Field truncated
1007	invoice.invoiceDeliveryDetails.address.organisation	Validation	Missing mandatory field	Field truncated
1007	invoice.invoiceDeliveryDetails.address.postcode	Validation	Missing mandatory field	
1001	invoice.invoiceDeliveryDetails.address.postcode	Validation	Maximum length exceeded	Field truncated
1007	invoice.invoiceDeliveryDetails.address.street	Validation	Missing mandatory field	
1001	invoice.invoiceDeliveryDetails.address.street	Validation	Maximum length exceeded	Field truncated
1007	invoice.invoiceDeliveryDetails.address.town	Validation	Missing mandatory field	
1001	invoice.invoiceDeliveryDetails.address.town	Validation	Maximum length exceeded	Field truncated
1001	invoice.invoiceDeliveryDetails.contactDetails.contactName	Validation	Maximum length exceeded	Field truncated
1010	invoice.invoiceDeliveryDetails.contactDetails.telephone	Validation	Invalid telephone number	
1001	invoice.invoiceDeliveryDetails.contactDetails.telephone	Validation	Maximum length exceeded	Field truncated
1007	invoice.invoiceDeliveryDetails.vatNumber	Validation	Missing mandatory field	
1001	invoice.invoiceDeliveryDetails.vatNumber	Validation	Maximum length exceeded	Field truncated
1001	invoice.invoiceExportReason	Validation	Maximum length exceeded	
1007	invoice.invoiceExportReason	Validation	Missing mandatory field	
1007	invoice.invoiceExportReason	Validation	Missing mandatory field	
1007	invoice.invoiceItem.countryOfOrigin	Validation	Missing mandatory field	
1001	invoice.invoiceItem.countryOfOrigin	Validation	Maximum length exceeded	Field truncated
1001	invoice.invoiceItem.itemCode	Validation	Maximum length exceeded	Field truncated
1007	invoice.invoiceItem.itemDescription	Validation	Missing mandatory field	
1001	invoice.invoiceItem.itemDescription	Validation	Maximum length exceeded	Field truncated

1007	invoice.invoiceItem.numberOfItems	Validation	Missing mandatory field	
1011	invoice.invoiceItem.numberOfItems	Validation	Invalid number (integer)	
1007	invoice.invoiceItem.unitValue	Validation	Missing mandatory field	
1012	invoice.invoiceItem.unitValue	Validation	Invalid number (float)	
1019	invoice.invoiceReference	Validation	Number not in range	Field truncated
1007	invoice.invoiceShipperDetails.address.countryCode	Validation	Missing mandatory field	
1001	invoice.invoiceShipperDetails.address.countryCode	Validation	Maximum length exceeded	Field truncated
1001	invoice.invoiceShipperDetails.address.county	Validation	Maximum length exceeded	Field truncated
1001	invoice.invoiceShipperDetails.address.locality	Validation	Maximum length exceeded	Field truncated
1007	invoice.invoiceShipperDetails.address.organisation	Validation	Missing mandatory field	Field truncated
1007	invoice.invoiceShipperDetails.address.postcode	Validation	Missing mandatory field	
1001	invoice.invoiceShipperDetails.address.postcode	Validation	Maximum length exceeded	Field truncated
1007	invoice.invoiceShipperDetails.address.street	Validation	Missing mandatory field	
1001	invoice.invoiceShipperDetails.address.street	Validation	Maximum length exceeded	Field truncated
1007	invoice.invoiceShipperDetails.address.town	Validation	Missing mandatory field	
1001	invoice.invoiceShipperDetails.address.town	Validation	Maximum length exceeded	Field truncated
1001	invoice.invoiceShipperDetails.contactDetails.contactName	Validation	Maximum length exceeded	Field truncated
1010	invoice.invoiceShipperDetails.contactDetails.telephone	Validation	Invalid telephone number	
1001	invoice.invoiceShipperDetails.contactDetails.telephone	Validation	Maximum length exceeded	Field truncated
1007	invoice.invoiceShipperDetails.vatNumber	Validation	Missing mandatory field	
1001	invoice.invoiceShipperDetails.vatNumber	Validation	Maximum length exceeded	Field truncated
1007	invoice.invoiceType	Validation	Missing mandatory field	
1011	invoice.invoiceType	Validation	Invalid number (integer)	
1007	invoice.shippersDestinationTaxId	Validation	Missing mandatory field	
1019	invoice.shippersDestinationTaxId	Validation	Number not in range	Field truncated
1018	invoice.shippingCost	Validation	Invalid field	

1007	invoice.totalItems	Validation	Missing mandatory field	
1019	invoice.totalItems	Validation	Number not in range	
1007	invoice.totalWeight	Validation	Missing mandatory field	
1007	invoice.shippingCost	Validation	Missing mandatory field	
1007	consignment.parcel.parcelProduct.productHarmonisedCode	Validation	Missing mandatory field	
1007	consignment.parcel.parcelProduct.productUrl	Validation	Missing mandatory field	
1007	consignment.deliveryDetails.contactDetails.telephone	Validation	Missing mandatory field	
1019	invoice.totalWeight	Validation	Number not in range	
1007	invoice.vatNumber	Validation	Missing mandatory field	
1007	invoice.vatPaid	Validation	Missing mandatory field	
1018	invoice.vatPaid	Validation	Invalid field	
1000		Application	General Application Error	
1014		Application	Account on stop	
1020	contactDetails.telephone	Validation	Invalid string value	
1020	address.organisation	Validation	Invalid string value	
1020	address.property	Validation	Invalid string value	
1020	address.street	Validation	Invalid string value	
1020	address.locality	Validation	Invalid string value	
1020	address.town	Validation	Invalid string value	
1020	address.county	Validation	Invalid string value	
1020	address.postcode	Validation	Invalid string value	
1020	address.countryCode	Validation	Invalid string value	
1020	address.addressId	Validation	Invalid string value	
1020	consignment.consignmentNumber	Validation	Invalid string value	
1020	consignment.consignmentRef	Validation	Invalid string value	
1020	consignment.networkCode	Validation	Invalid string value	
1020	consignment.shippingRef1	Validation	Invalid string value	
1020	consignment.shippingRef2	Validation	Invalid string value	
1020	consignment.shippingRef3	Validation	Invalid string value	
1020	consignment.shippingRef4	Validation	Invalid string value	
1020	consignment.shippingRef6	Validation	Invalid string value	
1020	consignment.customsCurrency	Validation	Invalid string value	
1020	consignment.deliveryInstructions	Validation	Invalid string value	
1020	consignment.parcelDescription	Validation	Invalid string value	
1020	consignment.shippersDestinationTaxId	Validation	Invalid string value	
1020	consignment.vatPaid	Validation	Invalid string value	

1020	contactDetails.contactName	Validation	Invalid string value	
1020	contactDetails.telephone	Validation	Invalid string value	
1020	invoice.countryOfOrigin	Validation	Invalid string value	
1020	invoice.invoiceCustomsNumber	Validation	Invalid string value	
1020	invoice.invoiceExportReason	Validation	Invalid string value	
1020	invoice.invoiceTermsOfDelivery	Validation	Invalid string value	
1020	invoice.invoiceReference	Validation	Invalid string value	
1020	invoice.shippersDestinationTaxId	Validation	Invalid string value	
1020	invoice.vatPaid	Validation	Invalid string value	
1020	invoice.invoiceBillingDetails.vatNumber	Validation	Invalid string value	
1020	invoice.invoiceDeliveryDetails.vatNumber	Validation	Invalid string value	
1020	invoice.invoiceItem.itemCode	Validation	Invalid string value	
1020	invoice.invoiceItem.countryOfOrigin	Validation	Invalid string value	
1020	invoice.invoiceItem.itemDescription	Validation	Invalid string value	
1020	notificationDetails.mobile	Validation	Invalid string value	
1020	notificationDetails.email	Validation	Invalid string value	
1020	consignment.parcel.parcelProduct.productCode	Validation	Invalid string value	
1020	consignment.parcel.parcelProduct.productTypeDescription	Validation	Invalid string value	
1020	consignment.parcel.parcelProduct.productItemsDescription	Validation	Invalid string value	
1020	consignment.parcel.parcelProduct.productFabricContent	Validation	Invalid string value	
1020	consignment.parcel.parcelProduct.countryOfOrigin	Validation	Invalid string value	
1020	productHarmonisedCode	Validation	Invalid string value	
1020	pickupLocation.pickupLocationCode	Validation	Invalid string value	
1008	consignment.liability	Validation	Invalid boolean value	
1008	invoice.invoiceIsDeclared	Validation	Invalid boolean value	
1008	consignment.parcel.isVoided	Validation	Invalid boolean value	
1008	values.allowRemotePickup	Validation	Invalid boolean value	
1008	values.consolidate	Validation	Invalid boolean value	
1011	consignment.numberOfParcels	Validation	Invalid number (integer)	
1011	invoice.totalItems	Validation	Invalid number (integer)	
1011	invoice.invoiceItem.numberOfItems	Validation	Invalid number (integer)	
1011	consignment.parcel.parcelNumber	Validation	Invalid number (integer)	
1011	consignment.parcel.packageNumber	Validation	Invalid number (integer)	

1011	consignment.parcel.parcelProduct.numberOfItems	Validation	Invalid number (integer)	
1012	consignment.totalWeight	Validation	Invalid number (float)	
1012	consignment.customsValue	Validation	Invalid number (float)	
1012	consignment.liabilityValue	Validation	Invalid number (float)	
1012	invoice.totalWeight	Validation	Invalid number (float)	
1012	invoice.totalValue	Validation	Invalid number (float)	
1012	invoice.shippingCost	Validation	Invalid number (float)	
1012	invoice.invoiceItem.unitValue	Validation	Invalid number (float)	
1012	consignment.parcel.parcelProduct.unitWeight	Validation	Invalid number (float)	
1012	consignment.parcel.parcelProduct.unitValue	Validation	Invalid number (float)	
1023	deliveryDetails.address.countryCode	Validation	Invalid country code given	
1009	deliveryDetails.address.postcode	Validation	Invalid postcode value	
1015	numberOfParcels	Validation	Maximum value exceeded	
1015	totalWeight	Validation	Maximum value exceeded	
1024	NULL	Validation	No suitable Products/Services found	
1007	collectionDetails.address.postcode	Validation	Missing mandatory field	
1007	collectionDetails.address.countryCode	Validation	Missing mandatory field	
1007	deliveryDirection	Validation	Missing mandatory field	