API v3 Integration Guide

Hypaship Booking Platform

Edition 3.1.2

Last updated 26th September 2024

API Integration

1. Introduction

1. Introduction

The purpose of this document is to guide you on how to use the APC Hypaship booking platform API and any possible problems that may encounter.

The website

We advise that you first familiarise yourself with the APC Hypaship website at **https://apc-training.hypaship.com** and generate some test orders. This will give you an overview of how the booking platform functions, therefore gain some understanding of how the API process operates. If you can not access the Training website then please contact your local depot.

The Environments

There are two environments; one for testing and the other for live paid transactions. Each are linked to the website so that you can see your orders appear visually.

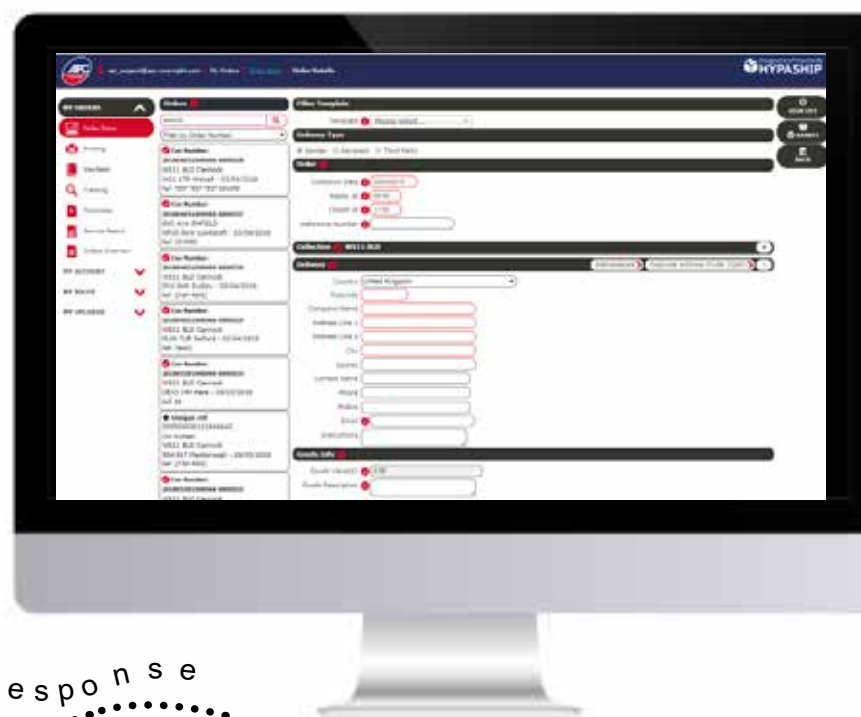| Environments	API	Website
Training:	https://apc-training.hypaship.com/api/3.0/	https://apc-training.hypaship.com
Live:	https://apc.hypaship.com/api/3.0/	https://apc.hypaship.com

Please Note: all URLs are case sensitive
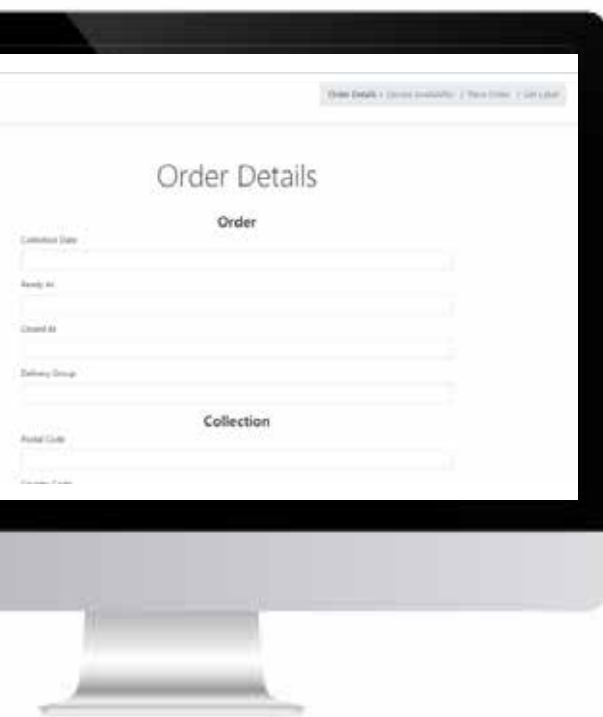
Customer Application

Request

Response

Booking platform

1. Introduction (continued)

Testing Tools

Before heading straight into development, we advise that you use a Restful API local client, so that you can test your authentication fully works and you are aware of the response errors you retrieve. Below are two desktop clients that you can use (others are available):
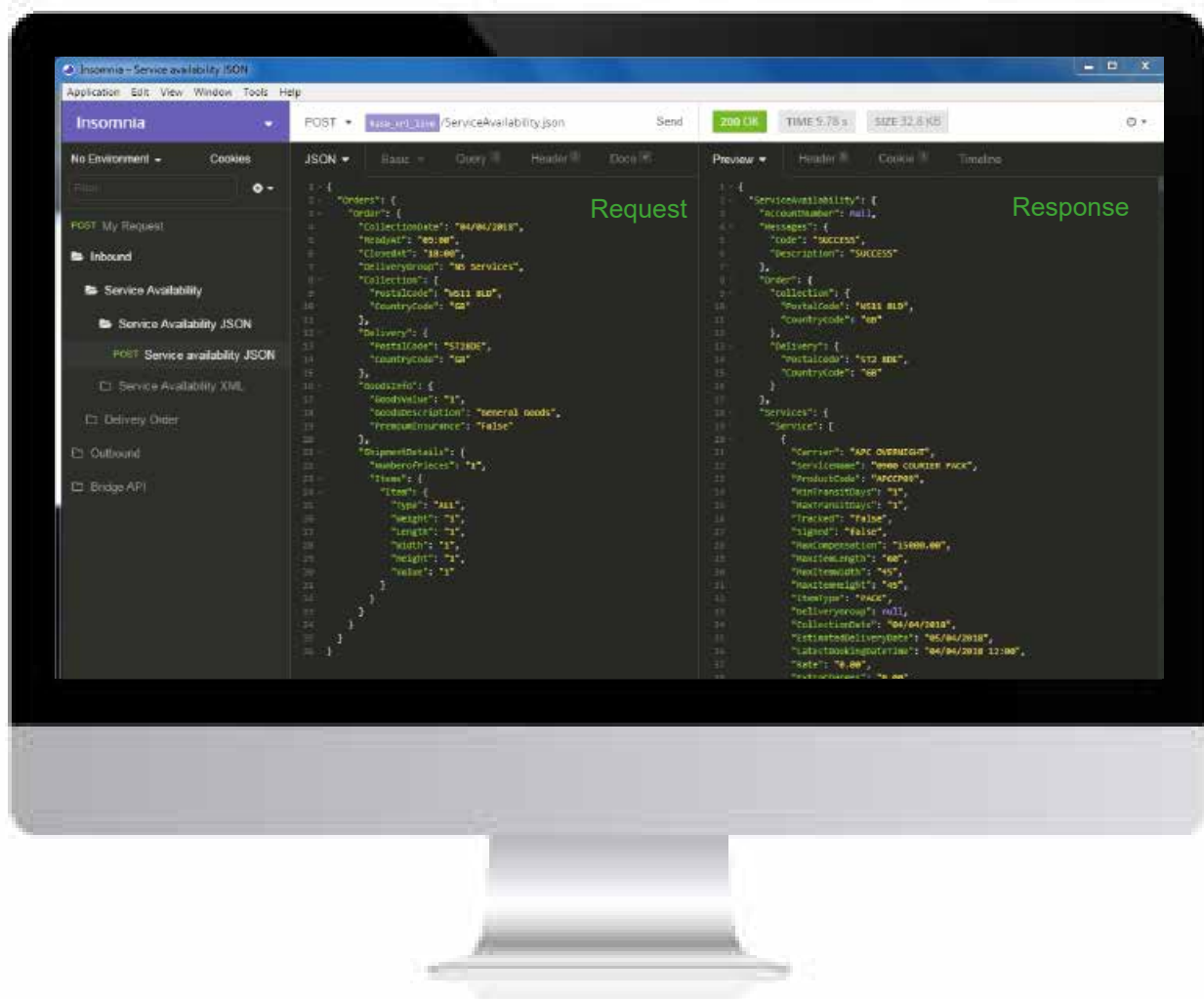
Postman API Development Environment
URL: https://www.getpostman.com/
Price: Free

Insomnia REST Client
URL: https://insomnia.rest/
Price: Free

Insomnia Rest Client

2. API Workflow Overview

2. API Workflow

In order for you to submit an order and get the required label, please follow the steps below

1 Service availability check (Optional)

2 Place an order (Required)

3 Generate a label (Required)

1 Specify your order, collection and delivery details

POST
https://apc.hypaship.com/api/3.0/**ServiceAvailability**
REQUEST API

→ Hypaship →

Parse the RESPONSE from the API →

Choose the required service

2 Place an order using the service code

POST
https://apc.hypaship.com/api/3.0/**Orders**
+
XML/JSON schema
REQUEST API

→ Hypaship →

Parse the RESPONSE from the API →

Extract the Waybill number

Delay 3-5 seconds

When an order has been submitted successfully, please leave a delay before requesting the label

3 Get the label, using the Waybill number

GET
https://apc.hypaship.com/api/3.0/**Orders**/2023032201015740001410?searchtype=CarrierWaybill
REQUEST API

→ Hypaship →

Parse the RESPONSE from the API →

Extract the PDF/ZPL/PNG from Base64 Format

2. API Workflow (continued)

We also allow tracking, amending or cancelling of orders, up to the point of manifesting (or comfirmation in the case of PURs)
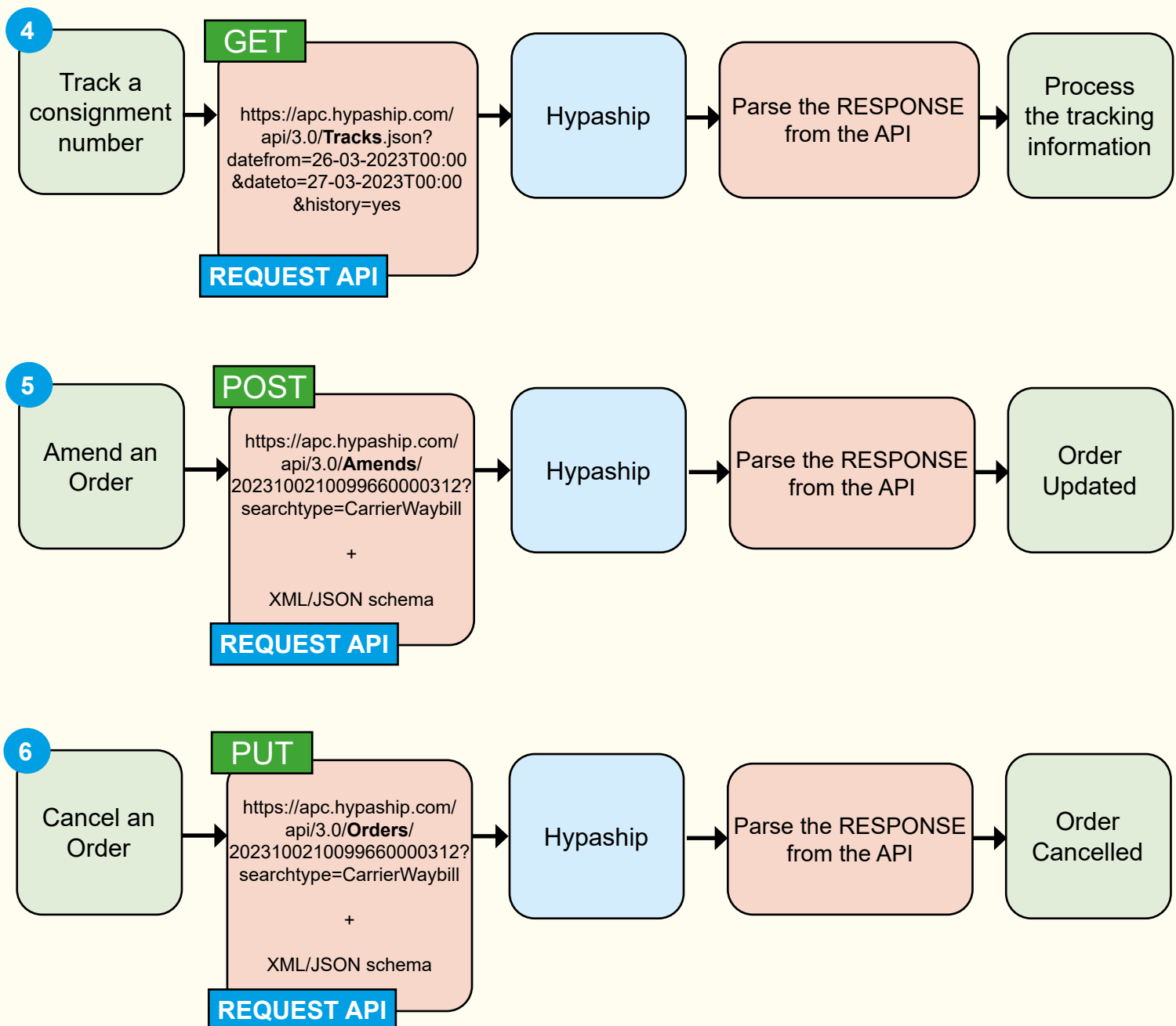
4 Track an order   **5** Edit an order   **6** Cancel an order

4 Track a consignment number → **GET** https://apc.hypaship.com/api/3.0/**Tracks**.json?datefrom=26-03-2023T00:00&dateto=27-03-2023T00:00&history=yes **REQUEST API** → Hypaship → Parse the RESPONSE from the API → Process the tracking information

5 Amend an Order → **POST** https://apc.hypaship.com/api/3.0/**Amends**/202310021009966000312?searchtype=CarrierWaybill + XML/JSON schema **REQUEST API** → Hypaship → Parse the RESPONSE from the API → Order Updated

6 Cancel an Order → **PUT** https://apc.hypaship.com/api/3.0/**Orders**/202310021009966000312?searchtype=CarrierWaybill + XML/JSON schema **REQUEST API** → Hypaship → Parse the RESPONSE from the API → Order Cancelled
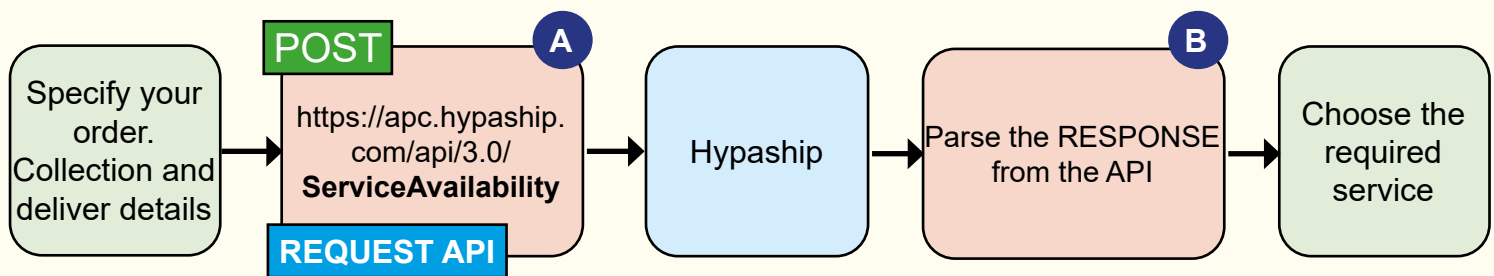
3. Check Service Availability

3. Check Service Availability

In this section, we will show you how to use the Service Availability API. The Service Availability API allows you to send a POST request to our API server, to retrieve all available service levels.

A Making a Post Request API Call

To make the API call, you must have the following configuration

HTTP Method: POST

Headers	Value
remote-user	Basic then followed by your base64 encoded string which is your email:password
Content-Type	application/xml or application/json

Environments	API Endpoint	Format
Training:	https://apc-training.hypaship.com/api/3.0/ServiceAvailability	XML
Live:	https://apc.hypaship.com/api/3.0/ServiceAvailability	XML
Training:	https://apc-training.hypaship.com/api/3.0/ServiceAvailability.json	JSON
Live:	https://apc.hypaship.com/api/3.0/ServiceAvailability.json	JSON

3. Checking Service Availability (continued)

JSON

POST
A

https://apc.hypaship.com/api/3.0/**ServiceAvailability.json**

JSON REQUEST

Your schema request must go inside the body structure of the call. Please see below.

REQUEST API

```json
{
        "Orders": {
                "Order": {
                        "CollectionDate": "04/04/2023",
                        "ReadyAt": "09:00",
                        "ClosedAt": "18:00",
                        "Collection": {
                                "PostalCode": "WS11 8LD",
                                "CountryCode": "GB"
                        },
                        "Delivery": {
                                "PostalCode": "M17 1WA",
                                "CountryCode": "GB"
                        },
                        "GoodsInfo": {
                                "GoodsValue": "1",
                                "Fragile": "False"
                        },
                        "ShipmentDetails": {
                                "NumberOfPieces": "1",
                                "Items": {
                                        "Item": {
                                                "Type": "ALL",
                                                "Weight": "1",
                                                "Length": "20",
                                                "Width": "10",
                                                "Height": "10",
                                                "Value": "15"
                                        }
                                }
                        }
                }
        }
}
```
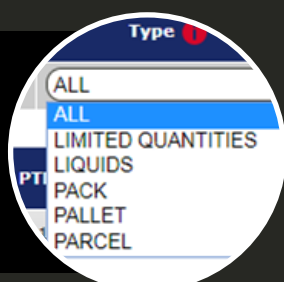
For International

Use **INT** for postalcode but please make sure you are enabled for non APC carrier service. Contact you depot for more information

For TYPE

- LIMITED QUANTITIES
- LIQUIDS
- PACK
- PALLET
- PARCEL
- ALL

Type
ALL
ALL
LIMITED QUANTITIES
LIQUIDS
PACK
PALLET
PARCEL

Within Hypaship website

Mandatory

CollectionDate
Date when the collection will be made - DD/MM/YYYY

ReadyAt
Time that the order will be ready that day – 99:99

CloseAt
Time that business closes – 99:99

Collection PostalCode
Must use with a space separation

Collection CountryCode
GB - The ISO 3166-1 alpha-2 country code

Delivery PostalCode
Must use with a space separation

Delivery CountryCode
GB - The ISO 3166-1 alpha-2 country code

ShipmentDetails/ NumberOfPieces
Number of pieces in the order

ShipmentDetails/Items/Item/ Weight
Weight of the piece (in KG)

ShipmentDetails/Items/Item/ Type
The type of service related codes you would like it to return

1/1

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3. Checking Service Availability (continued)

POST

https://apc.hypaship.
com/api/3.0/
**ServiceAvailability.
json**

B

JSON RESPONSE

Our API server will display the result after you send the request. Any errors with the call will be indicated in the Response.

RESPONSE API

```json
{
        "ServiceAvailability": {
                "AccountNumber": null,
                "Messages": {
                        "Code": "SUCCESS",
                        "Description": "SUCCESS"
                },
                "Order": {
                        "Collection": {
                                "PostalCode": "WS11 8LD",
                                "CountryCode": "GB"
                        },
                        "Delivery": {
                                "PostalCode": "M17 1WA",
                                "CountryCode": "GB"
                        }
                },
                "Services": {
                        "Service": [
                                {
                                        "Carrier": "APC OVERNIGHT",
                                        "ServiceName": "1000 COURIER PACK",
                                        "ProductCode": "APCCP10",
                                        "MinTransitDays": "1",
                                        "MaxTransitDays": "1",
                                        "Tracked": "false",
                                        "Signed": "false",
                                        "MaxCompensation": "15000.00",
                                        "MaxItemLength": "60",
                                        "MaxItemWidth": "45",
                                        "MaxItemHeight": "45",
                                        "ItemType": "PACK",
                                        "DeliveryGroup": null,
                                        "CollectionDate": "04/04/2023",
                                        "EstimatedDeliveryDate": "05/04/2023",
                                        "LatestBookingDateTime": "04/04/2023 12:00",
                                        "Rate": "0.00",
                                        "ExtraCharges": "0.00",
                                        "FuelCharge": "0.00",
                                        "InsuranceCharge": "0.00",
                                        "Vat": "0.00",
                                        "TotalCost": "0.00",
                                        "Currency": "GBP",
                                        "VolumetricWeight": "0.00",
                                        "WeightUnit": "KG"
                                }
                        ]
                }
        }
}
```

Service

Service Code

Type

1/1

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3. Checking Service Availability (continued)

XML

POST

https://apc.hypaship.com/api/3.0/**ServiceAvailability**

A **XML** REQUEST

Your request must go inside the body structure of the call. Please see below.

REQUEST API

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ServiceAvailability>
        <AccountNumber>DSQ123</AccountNumber>
        <Order>
                <CollectionDate>17/04/2023</CollectionDate>
                <ReadyAt>09:00</ReadyAt>
                <ClosedAt>18:00</ClosedAt>
                <DeliveryGroup>NS Services</DeliveryGroup>
                <Collection>
                        <PostalCode>WS11 8LD</PostalCode>
                        <CountryCode>GB</CountryCode>
                </Collection>
                <Delivery>
                        <PostalCode>M17 1WA</PostalCode>
                        <CountryCode>GB</CountryCode>
                </Delivery>
                <GoodsInfo>
                    <GoodsValue>1</GoodsValue>
                    <Fragile>False</Fragile>
                </GoodsInfo>
                <ShipmentDetails>
                        <NumberOfPieces>1</NumberOfPieces>
                        <Items>
                                <Item>
                                        <Type>ALL</Type>
                                        <Weight>10</Weight>
                                        <Length>10</Length>
                                        <Width>10</Width>
                                        <Height>10</Height>
                                        <Value>1</Value>
                                </Item>
                        </Items>
                </ShipmentDetails>
        </Order>
</ServiceAvailability>
```
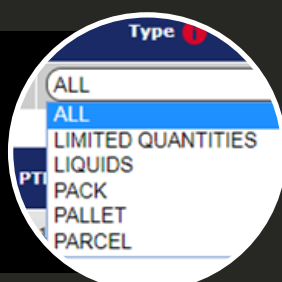
For International

Use **INT** for postalcode but please make sure you are enabled for non APC carrier service. Contact your depot for more information

For TYPE

- LIMITED QUANTITIES
- LIQUIDS
- PACK
- PALLET
- PARCEL
- ALL

Type
ALL
ALL
LIMITED QUANTITIES
LIQUIDS
PACK
PALLET
PARCEL

Within Hypaship website

Mandatory

CollectionDate
Date when the collection will be made - DD/MM/YYYY

ReadyAt
Time that the order will be ready that day – 99:99

CloseAt
Time that business closes – 99:99

Collection PostalCode
Must use with a space separation

Collection CountryCode
GB - The ISO 3166-1 alpha-2 country code

Delivery PostalCode
Must use with a space separation

Delivery CountryCode
GB - The ISO 3166-1 alpha-2 country code

ShipmentDetails/ NumberOfPieces
Number of pieces in the order

ShipmentDetails/Items/Item/ Weight
Weight of the piece (in KG)

ShipmentDetails/Items/Item/ Type
The type of service related codes you would like it to return. This field is optional but providing it will reduce the number of results returned, which may be helpful.

1/1

3. Checking Service Availability (continued)

XML

POST **B**

https://apc.hypaship.com/api/3.0/**ServiceAvailability**

RESPONSE API

XML RESPONSE

Below is the the XML reponse you get back when you make a request call.

```xml
<?xml version='1.0' encoding='ISO-8859-1' standalone='no'?>
<ServiceAvailability>
        <AccountNumber>DSQ123</AccountNumber>
        <Messages>
                <Code>SUCCESS</Code>
                <Description>SUCCESS</Description>
        </Messages>
        <Order>
                <Collection>
                        <PostalCode>WS11 8LD</PostalCode>
                        <CountryCode>GB</CountryCode>
                </Collection>
                <Delivery>
                        <PostalCode>M17 1WA</PostalCode>
                        <CountryCode>GB</CountryCode>
                </Delivery>
        </Order>
        <Services>
                <Service>
                        <Carrier>APC OVERNIGHT</Carrier>
                        <ServiceName>1200 PARCEL</ServiceName>
                        <ProductCode>APCND12</ProductCode>
                        <MinTransitDays>1</MinTransitDays>
                        <MaxTransitDays>1</MaxTransitDays>
                        <Tracked>false</Tracked>
                        <Signed>false</Signed>
                        <MaxCompensation>15000.00</MaxCompensation>
                        <MaxItemLength>120</MaxItemLength>
                        <MaxItemWidth>55</MaxItemWidth>
                        <MaxItemHeight>50</MaxItemHeight>
                        <ItemType>PARCEL</ItemType>
                        <DeliveryGroup></DeliveryGroup>
                        <CollectionDate>17/04/2023</CollectionDate>
                        <EstimatedDeliveryDate>18/04/2023
                        </EstimatedDeliveryDate>
                        <LatestBookingDateTime>17/04/2023 12:00
                        </LatestBookingDateTime>
                        <Rate>0.00</Rate>
                        <ExtraCharges>0.00</ExtraCharges>
                        <FuelCharge>0.00</FuelCharge>
                        <InsuranceCharge>0.00</InsuranceCharge>
                        <Vat>0.00</Vat>
                        <TotalCost>0.00</TotalCost>
                        <Currency>GBP</Currency>
                        <VolumetricWeight>0.17</VolumetricWeight>
                        <WeightUnit>KG</WeightUnit>
                </Service>
        </Services>
</ServiceAvailability>
```
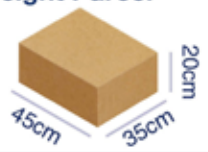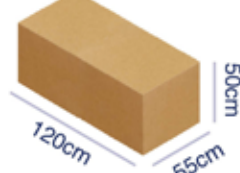
Service

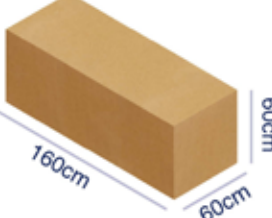Service Code

Type

1/1

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3. Checking Service Availability (continued)

> Choose the required service

Service Product Codes

Here are some of the service codes that could be returned

Product	Service Code	Max Length	Max Width	Max Height	Max Weight Per Item	Max Items Per Consignment
MailPack 1kg MailPack 29.5cm 37.5cm	**MP**	37.5cm	29.5cm	N/A	1kg	1
		The item must physically fit into the preprinted, recyclable MailPack, but not exceed 1kg. EXCLUDES ALL LIQUIDS. Use the LP or LQ Service. Customer own packaging can be accepted if approved.				🚫
CourierPack 5kg CourierPack 45.5cm 54.5cm	**CP**	54.5cm	45.5cm	N/A	5kg	1
		The item must physically fit into the preprinted, recyclable CourierPack, but not exceed 5kg. EXCLUDES ALL LIQUIDS. Use the LP or LQ Service. Customer own packaging can be accepted if approved.				🚫
Lightweight Parcel 20cm 45cm 35cm	**LW**	45cm	35cm	20cm	5kg	1
		MUST BE BOXED Un-boxed items must be sent on the UB service. EXCLUDES ALL LIQUIDS. Use the LP or LQ Service.				🚫
Standard Next Day Parcel 50cm 120cm 55cm	**ND**	120cm	55cm	50cm	30kg*	20
		MUST BE BOXED Un-boxed items must be sent on the UB service. EXCLUDES ALL LIQUIDS. Use the LP or LQ Service. Max 60cm x 60cm x 60cm parcel can also travel as ND. 60cm 60cm 60cm				
Non-Conveyable Parcel 60cm 160cm 60cm	**NC**	160cm	60cm or 120cm combined	60cm	30kg*	2
		MUST BE BOXED Un-boxed items must be sent on the UB service. EXCLUDES ALL LIQUIDS. Use the LP or LQ Service. Item must not exceed the dimensions specified. The longest dimension must not exceed 160cm. The sum of the second and third dimension must not exceed 120cm.				🚫
Un-boxed 160cm 60cm 60cm	**UB**	160cm	60cm or 120cm combined	60cm	30kg*	4
		EXCLUDES ALL LIQUIDS. Use the LP or LQ Service. Item must not exceed the dimensions specified. The longest dimension must not exceed 160cm. The sum of the second and third dimension must not exceed 120cm.				🚫

*Weight restrictions may apply to offshore locations.

3. Checking Service Availability (continued)

Choose the
required
service

Weekday services

Code	Service		Code	Service
ND10	10:30 Parcel			
ND12	1200 Parcel		UB10	1000 Unboxed
ND16	1600 Parcel		UB12	1200 Unboxed
			UB16	1600 Unboxed
MP10	1000 Mail Pack			
MP12	1200 Mail Pack		XS10	1000 XS Service
MP16	1600 Mail Pack		XS12	1200 XS Service
			XS16	1600 XS Service
CP10	10:30 Courier Pack			
CP12	1200 Courier Pack		ROAD	Road Service To Ireland
CP16	1600 Courier Pack		RD16	Road Service From Ireland
			RDNC	Road Service Non-conveyable
LW10	1000 Lightweight		RDYC	Road Svce Non-Conveyable Extra
LW12	1200 Lightweight			
LW16	1600 Lightweight		LF12	1200 Live Fish and Live Coral
			POST	2nd Class Mail
LP10	1000 Liquid Service			
LP12	1200 Liquid Service			
LP16	1600 Liquid Service			

In 2-5 day delivery areas, different service codes are used:

Code	Service		Code	Service
LQ10	1000 Limited Quantity			
LQ12	1200 Limited Quantity		TDAY	2-5 Day Service
LQ16	1600 Limited Quantity		TDMP	2-5 Day Mail Pack
			TDCP	2-5 Day Courier Pack
NC10	1000 Non-conveyable		TDLW	2-5 Day Lightweight
NC12	1200 Non-conveyable		TDLP	2-5 Day Liquid Service
NC16	1600 Non-conveyable		TDLQ	2-5 Day Limited Quantity
			TDNC	2-5 Day Non-conveyable
YC10	1000 Non-Conveyable Extra		TDYC	2-5 Day Non-Conveyable Extra
YC12	1200 Non-Conveyable Extra		TDUB	2-5 Day Unboxed
YC16	1600 Non-Conveyable Extra		TDXS	2-5 Day XS Service

Not all services are available to all delivery postcodes. The Service Availability API call will only list options available for the chosen destination.

When the day of despatch is a Friday the normal delivery day will be Monday unless a Saturday delivery service (see following page) has been requested.

In 2-5 day areas the transit times are estimated and may vary on different days of the week.

3. Checking Service Availability (continued)

> Choose the required service

Saturday services

WD10	1000 Sat Parcel
WD12	1200 Sat Parcel
WD16	1600 Sat Parcel
WM10	1000 Sat Mail Pack
WM12	1200 Sat Mail Pack
WM16	1600 Sat Mail Pack
WC10	1000 Sat Courier Pack
WC12	1200 Sat Courier Pack
WC16	1600 Sat Courier Pack
WL10	1000 Sat Lightweight
WL12	1200 Sat Lightweight
WL16	1600 Sat Lightweight
WP10	1000 Sat Liquid Service
WP12	1200 Sat Liquid Service
WP16	1600 Sat Liquid Service
WQ10	1000 Sat Limited Quantity
WQ12	1200 Sat Limited Quantity
WQ16	1600 Sat Limited Quantity
WN10	1000 Sat Non-Conveyable
WN12	1200 Sat Non-Conveyable
WN16	1600 Sat Non-Conveyable
WY16	1600 Sat Non-Conveyable Extra

WX10	1000 Sat XS Service
WX12	1200 Sat XS Service
WX16	1600 Sat XS Service
WU10	1000 Sat Unboxed
WU12	1200 Sat Unboxed
WU16	1600 Sat Unboxed

Legacy Saturday Service Codes

NS10	1000 Saturday Parcel
NS12	1200 Saturday Parcel
MS10	1000 Saturday Mail Pack
MS12	1200 Saturday Mail Pack
CS10	1000 Saturday Courier Pack
CS12	1200 Saturday Courier Pack
LS10	1000 Saturday Lightweight
LS12	1200 Saturday Lightweight
SL10	1000 Saturday Liquid Service
SL12	1200 Saturday Liquid Service
SQ10	1000 Saturday Limited Quantity
SQ12	1200 Saturday Limited Quantity
SN10	1000 Saturday Non-conveyable
SN12	1200 Saturday Non-conveyable
SX10	1000 Saturday XS Service
SX12	1200 Saturday XS Service

3. Checking Service Availability (continued)

> Choose the required service

Non-APC Services

Sameday service

SDAY   Sameday

Local area services

LC09   09:00 Local Courier Pack
LC10   10:00 Local Courier Pack
LC12   AM Local Courier Pack
LC16   Next Day Local Courier Pack
LD09   Next Day 09:00 Local Area Delivery
LD10   Next Day 10:00 Local Area Delivery
LD12   Next Day AM Local Area Delivery
LD16   Next Day Local Area Delivery
LDEC   Economy Local Area Delivery
LDTD   2-5 Day Local Area Delivery
LM09   09:00 Local Mail Pack
LM10   10:00 Local Mail Pack
LM12   AM Local Mail Pack
LM16   Next Day Local Mail Pack
NDTS   Next Day Time Specific Delivery
NEDS   Economy Day Specific Delivery
SA09   Saturday 09:00 Local Area Delivery
SA10   Saturday 10:00 Local Area Delivery
SA12   Saturday AM Local Area Delivery
SA16   Saturday Local Area Delivery
SC09   Saturday 09:00 Local Courier Pack
SC10   Saturday 10:00 Local Courier Pack
SC12   Saturday AM Local Courier Pack
SC16   Saturday Next Day Local Courier Pack
SM09   Saturday 09:00 Local Mail Pack
SM10   Saturday 10:00 Local Mail Pack
SM12   Saturday AM Local Mail Pack
SM16   Saturday Next Day Local Mail Pack

Oversize services

ZN09   Next Day 09:00 Oversize Delivery
ZN10   Next Day 10:00 Oversize Delivery
ZN12   Next Day AM Oversize Delivery
ZN16   Next Day Oversize Delivery
ZNEC   Economy Oversize Delivery
ZNTD   2-5 Day Oversize Delivery

Pallet services

MICA   Next Day AM Micro Pallet
MICE   Economy Micro Pallet
MICN   Next Day Micro Pallet
MICT   Time Specific Micro Pallet
PEDS   Economy Date Specific Pallet
PEEC   Economy Euro Pallet
PEND   Next Day Euro Pallet
PFEC   Economy Full Pallet
PH12   Next Day AM Half Pallet
PHEC   Economy Half Pallet
PL09   Next Day 09:00 Pallet
PL10   Next Day 10:00 Pallet
PL12   Next Day AM Full Pallet
PL16   Next Day Full Pallet
PLAM   Amazon RDC Pallet Service
PLEC   Economy Pallet
PLHF   Next Day Half Pallet
PLOV   Next Day Oversize Pallet
PLQT   Next Day Quarter Pallet
PLTD   2-5 Day Pallet
PLTS   Next Day Time Specific Pallet
PO12   Next Day AM Oversize Pallet
POEC   Economy Oversize Pallet
POTD   2-5 Day Oversize Pallet
PQ12   Next Day AM Quarter Pallet
PQEC   Economy Quarter Pallet
PS16   Saturday Deliv Full Pallet
PSEU   Saturday Deliv Euro Pallet
PSHF   Saturday Deliv Half Pallet
PSOV   Saturday Deliv Oversize Pallet
PSQT   Saturday Deliv Quarter Pallet

The availability of Non-APC services will vary by location.
Speak to your depot to establish whether any of the above are available in your area.

3. Checking Service Availability (continued)

> Choose the required service

International Services

Non-APC International services
(generic names - not tied to a specific carrier)

INT   International
INTA   International By Air
INTE   International Economy
INTP   International Pallet
INTR   International By Road
INTS   International By Sea
INTX   International Express
EURD   Europe Road Service
EUSI   Europe Single Item Service

DHL International services

P   Express Worldwide Parcel
D   Express Worldwide Docs
H   Economy Select International Parcel
Y   Express Worldwide 12:00 Parcel
M   Express Worldwide 10:30 Parcel
E   Express Worldwide 09:00 Parcel
T   Express Worldwide 12:00 Docs
L   Express Worldwide 10:30 Docs
K   Express Worldwide 09:00 Docs

The availability of International services will vary by location.
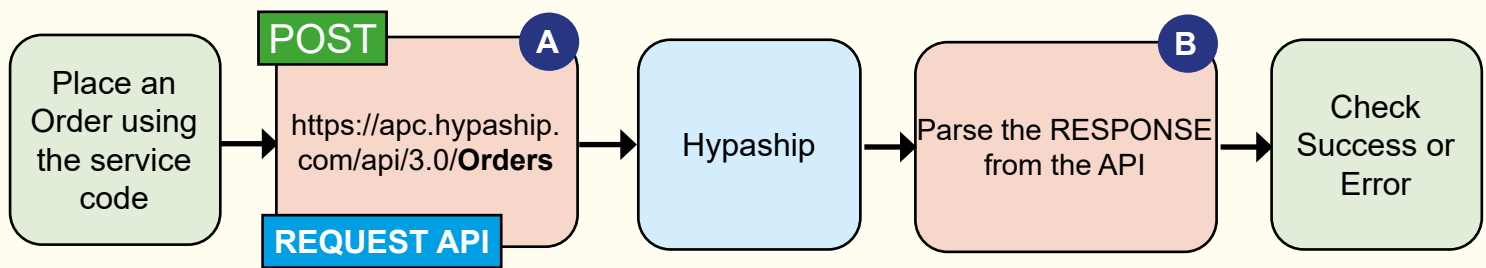Speak to your depot to establish whether any of the above are available in your area.

4. Placing Orders and
Retrieving Labels

4. Placing Orders and Retrieving Labels

In this section, we will show you how to use the Orders API to create orders with a POST request and then grab the labels.

4.1. Placing Orders

A Making a Post Request API Call

To make the API call, you must have the following configuration

HTTP Method: POST

Headers	Value
remote-user	Basic then followed by your base64 encoded string which is your email:password
Content-Type	application/xml or application/json

Environments	API Endpoint	Format
Training:	https://apc-training.hypaship.com/api/3.0/Orders	XML
Live:	https://apc.hypaship.com/api/3.0/Orders	XML
Training:	https://apc-training.hypaship.com/api/3.0/Orders.json	JSON
Live:	https://apc.hypaship.com/api/3.0/Orders.json	JSON

Please Note: Single calls with multiple orders contained within the XML/JSON are limited to a maximum of 20 orders per POST. Where there is a requirement to consolidate orders they MUST be submitted individually.

4. Placing Orders & Retrieving Labels (continued)

JSON

POST

A

https://apc.hypaship.com/
api/3.0/**Orders.json**

REQUEST API

PLACING AN ORDER JSON REQUEST

Your request must go inside the body structure of the call.
Please see below regarding mandatory fields for the Orders and
Collection section

Third Parties (PUR)

If the Collection details do not match operational details within Hypaship website, then they will treated as third party / PURs.

CompanyName is the customer account name

For International

Use **INT** for postalcode then add postcode as part of addressLine 2. Make sure you are enabled for non APC carrier service. Contact your depot for more information

For Multi-Items

Please use an array like so

```
"Items": {
  "Item": [
    {
      .... Item 1
    },
    {
      .... Item 2
    }
  ]
}
```

```json
{
    "Orders": {
        "Order": {
            "CollectionDate": "01\/03\/2023",
            "ReadyAt": "18:00",
            "ClosedAt": "18:30",
            "ProductCode": "ND16",
            "Reference": "TEST",
            "Collection": {
             "CompanyName": "APC API and Co",
             "AddressLine1": "National Sortation Centre",
             "AddressLine2": "Kingswood Lakeside",
             "PostalCode": "WS11 8LD",
             "City": "Cannock",
             "County": "Staffordshire",
             "CountryCode": "GB",
               "Contact": {
                   "PersonName": "Fred Smith",
                   "PhoneNumber": "01922 702587",
                   "Email": "cmsteam@apc-overnight.com"}
        },
        "Delivery": {
             "CompanyName": "The Big Company Ltd",
             "AddressLine1": "Big Company House",
             "AddressLine2": "177 Big Street",
             "PostalCode": "M17 1WA",
             "City": "Sale",
             "County": "Cheshire",
             "CountryCode": "GB",
               "Contact": {
                   "PersonName": "Jack Jones",
                   "PhoneNumber": "0800 0000000",
                   "MobileNumber": "07785 476095",
                   "Email": "name@example.com"
                   },
             "Instructions": "Leave with neighbour",
             "Safeplace": "Allowed"
        },
        "GoodsInfo": {
             "GoodsValue": "20",
             "GoodsDescription": "books",
             "Fragile": "false",
             "Security": "false",
             "IncreasedLiability": "false"
        },
        "ShipmentDetails": {
        "NumberOfPieces": "1",
                   "Items": {
                   "Item": {
                         "Type": "ALL",
                         "Weight": "1",
                         "Length": "32",
                         "Width": "23",
                         "Height": "16",
                         "Reference": "PartA"
                   }
              }
        }
      }
    }
}
```

Mandatory

Order/CollectionDate
Date when the collection will be made - DD/MM/YYYY

Order/ReadyAt
Time that the order will be ready that day – 99:99

Order/ClosedAt
Time that business closes – 99:99

Order/Collection/CompanyName
Company Name or Name of person for collection

Order/Collection/AddressLine1
Address details for collection (optional Order/Collection/AddressLine2, Order/Collection/County)

Order/Collection/PostalCode
Collection postcode

Order/Collection/City
Collection city - Allowed: only letters, numbers, or - (dash) and dot

Order/Collection/CountryCode
The ISO 3166-1 alpha-2 country code

By excluding the collection address elements you can force the system to assign the Operational Address of the account to the consignment.

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4. Placing Orders & Retrieving Labels (continued)

JSON

POST

https://apc.hypaship.com/
api/3.0/**Orders.json**

A

REQUEST API

PLACING AN ORDER JSON REQUEST

Your schema request must go inside the body structure of the call. Please see below regarding mandatory fields for the Delivery section

Third Parties (PUR)

If the Collection details do not match operational details within Hypaship website, then they will treated as third party / PURs.

CompanyName is the customer account name

For International

Use **INT** for postalcode then add postcode as part of addressLine 2. Make sure you are enabled for non APC carrier service. Contact you depot for more information

For Multi-Items

Please use an array like so

```
"Items": {
  "Item": [
    {
      .... Item 1
    },
    {
      .... Item 2
    }
  ]
}
```

```json
{
    "Orders": {
        "Order": {
            "CollectionDate": "01\/03\/2023",
            "ReadyAt": "18:00",
            "ClosedAt": "18:30",
            "ProductCode": "ND16",
            "Reference": "TEST",
            "Collection": {
              "CompanyName": "APC API and Co",
              "AddressLine1": "National Sortation Centre",
              "AddressLine2": "Kingswood Lakeside",
              "PostalCode": "WS11 8LD",
              "City": "Cannock",
              "County": "Staffordshire",
              "CountryCode": "GB",
                "Contact": {
                    "PersonName": "Fred Smith",
                    "PhoneNumber": "01922 702587",
                    "Email": "cmsteam@apc-overnight.com"}
            },
            "Delivery": {
              "CompanyName": "The Big Company Ltd",
              "AddressLine1": "Big Company House",
              "AddressLine2": "177 Big Street",
              "PostalCode": "M17 1WA",
              "City": "Sale",
              "County": "Cheshire",
              "CountryCode": "GB",
                "Contact": {
                    "PersonName": "Jack Jones",
                    "PhoneNumber": "0800 0280000",
                    "MobileNumber": "07785 476095",
                    "Email": "name@example.com"
                  },
              "Instructions": "Leave with neighbour",
              "Safeplace": "Allowed"
            },
            "GoodsInfo": {
                "GoodsValue": "20",
                "GoodsDescription": "books",
                "Fragile": "false",
                "Security": "false",
                "IncreasedLiability": "false"
            },
            "ShipmentDetails": {
            "NumberOfPieces": "1",
                "Items": {
                    "Item": {
                          "Type": "ALL",
                          "Weight": "1",
                          "Length": "32",
                          "Width": "23",
                          "Height": "16",
                          "Reference": "PartA"
                    }
                }
            }
        }
    }
}
```

Mandatory

Order/Delivery/CompanyName
Company name or name of person for delivery

Order/Delivery/AddressLine1
Address details for delivery. (optional Order/Delivery/ AddressLine2, Order/Delivery/County)

Order/Delivery/PostalCode
Delivery postcode – must be in valid format: AA9A 9AA / A9A 9AA / A9 9AA / A99 9AA / AA9 9AA / AA99 9AA

Order/Delivery/City
Delivery city

Order/Delivery/CountryCode
The ISO 3166-1 alpha-2 country code.

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4. Placing Orders & Retrieving Labels (continued)

POST

A

https://apc.hypaship.com/
api/3.0/**Orders.json**

REQUEST API

PLACING AN ORDER JSON REQUEST

Your request must go inside the body structure of the call.
Please see below regarding mandatory fields for the shipment
section

```json
{
    "Orders": {
        "Order": {
            "CollectionDate": "01\/03\/2023",
            "ReadyAt": "18:00",
            "ClosedAt": "18:30",
            "ProductCode": "ND16",
            "Reference": "TEST",
            "Collection": {
                "CompanyName": "APC API and Co",
                "AddressLine1": "National Sortation Centre",
                "AddressLine2": "Kingswood Lakeside",
                "PostalCode": "WS11 8LD",
                "City": "Cannock",
                "County": "Staffordshire",
                "CountryCode": "GB",
                "Contact": {
                    "PersonName": "Fred Smith",
                    "PhoneNumber": "01922 702587",
                    "Email": "cmsteam@apc-overnight.com"}
            },
            "Delivery": {
                "CompanyName": "The Big Company Ltd",
                "AddressLine1": "Big Company House",
                "AddressLine2": "1 Big Street",
                "PostalCode": "M17 1WA",
                "City": "Sale",
                "County": "Cheshire",
                "CountryCode": "GB",
                "Contact": {
                    "PersonName": "Jack Jones",
                    "PhoneNumber": "0800 0280000",
                    "MobileNumber": "07785 476095",
                    "Email": "name@example.com"
                },
                "Instructions": "Leave with neighbour",
                "Safeplace": "Allowed"
            },
            "GoodsInfo": {
                "GoodsValue": "20",
                "GoodsDescription": "books",
                "Fragile": "false",
                "Security": "false",
                "IncreasedLiability": "false"
            },
            "ShipmentDetails": {
            "NumberOfPieces": "1",
                "Items": {
                    "Item": {
                        "Type": "ALL",
                        "Weight": "1",
                        "Length": "32",
                        "Width": "23",
                        "Height": "16",
                        "Reference": "PartA"
                    }
                }
            }
        }
    }
}
```

Third Parties (PUR)

If the Collection details do not match operational details within Hypaship website, then they will treated as third party / PURs.

CompanyName is the customer account name

For International

Use **INT** for postalcode then add postcode as part of addressLine 2. Make sure you are enabled for non APC carrier service. Contact you depot for more information

For Multi-Items

Please use an array like so

```
"Items": {
    "Item": [
        {
            .... Item 1
        },
        {
            .... Item 2
        }
    ]
}
```

Mandatory

Order/ShipmentDetails/NumberOfPieces
Amount of pieces in the Order – Cannot be 0

Order/ShipmentDetails/Items/Item/Weight
Weight of the piece (in KG) – Cannot be 0

Order/ShipmentDetails/Items/Item/Length
Length of the piece (in CM)

The field can be mandatory or optional depending on customer account settings.

Order/ShipmentDetails/Items/Item/Width
Width of the piece (in CM)

The field can be mandatory or optional depending on customer account settings.

Order/ShipmentDetails/Items/Item/Height
Height of the piece (in CM)

The field can be mandatory or optional depending on customer account settings.

Order/ShipmentDetails/Items/Item/Value
Value of the piece (in the currency linked to the account)

The field can be mandatory or optional depending on customer account settings.

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4. Placing Orders & Retrieving Labels (continued)

JSON

POST

https://apc.hypaship.com/api/3.0/**Orders.json**

REQUEST API

A

PLACING AN ORDER **JSON** REQUEST

Below are the optional fields with dependencies that are part of the schema body.

Optional

Order/DeliveryGroup
Delivery as setup up in the system under My Accounts / Delivery Groups. With this option, it will make use of the rules related to this Delivery Group only

Order/ProductCode
Service code as returned from the Service Availability API, such as ND09 (for 9 am parcel service)
If not passed, the API will follow the rules cascade as set up in the application

Order/Reference
Your internal reference of the order

Order/Collection/Contact/Email
Email address of the collection contact
Valid email address (containing @ and dot)

Order/Collection/Contact/PersonName
Name of person that can be contacted by phone number regarding the collection

Order/Collection/Contact/PhoneNumber
Phone number of the person that can be contacted regarding the collection

Order/Delivery/Contact/Email
Email address of the delivery contact
Valid email address (containing @ and dot)

Order/Delivery/Contact/MobileNumber
Mobile phone number of delivery contact.
Must be a valid Mobile Phone Number.
Must begin with either 07, +447, 447 or 00447

Order/Delivery/Contact/PersonName
Name of person that can be contacted by phone number regarding the delivery

Order/Delivery/Contact/PhoneNumber
Phone number of the person that can be contacted regarding the delivery

Order/Delivery/Instructions
Special instructions for delivery

Allowed: Only letters, numbers, or - (dash)

Order/Delivery/Safeplace
New feature, September 2023
See section 9 of this guide

Order/GoodsInfo/Security
True/False

Indicates that a consignment is travelling via the Security system. Security is a prerequisite for Increased Liability.

Default = False

Order/GoodsInfo/Fragile
True/False

Indicates that a consignment is fragile.

Fragile and Security are mutually exclusive

Default = False

Order/GoodsInfo/IncreasedLiability
True/False

Indicates that a consignment has increased liability cover.

Default = False

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4. Placing Orders & Retrieving Labels (continued)

JSON

POST

B

https://apc.hypaship.com/
api/3.0/**Orders.json**

RESPONSE API

PLACING AN ORDER JSON RESPONSE

Below is the the JSON reponse you get back when you make a request call.

```json
{
        "Orders": {
                "AccountNumber": null,
                "Messages": {
                        "Code": "SUCCESS",
                        "Description": "SUCCESS"
                },
                "Order": {
                        "Messages": {
                                "Code": "SUCCESS",
                                "Description": "SUCCESS"
                        },
                        "AccountNumber": [
                                "AN01",
                                "AN01"
                        ],
                        "EntryType": "API",
                        "CollectionDate": "19/04/2023",
                        "ReadyAt": "18:00",
                        "ClosedAt": "18:30",
                        "ProductCode": "ND16",
                        "RuleName": null,
                        "ItemOption": "Weight",
                        "OrderNumber": "000000000149567219",              Order number
                        "WayBill": "202304191009660000599",               22-digit
                        "Reference": "TEST",                              Consignment
                        "CustomReference1": null,                         Identifier
                        "CustomReference2": null,
                        "CustomReference3": null,
                        "AdultSignature": null,
                        "Depots": {
                                "RequestDepot": "100",
                                "CollectingDepot": "44",
                                "DeliveryDepot": "53",
                                "Route": "APC",
                                "IsScottish": "true",
                                "Zone": "Z",
                                "Presort": null
                        },
                        "Collection": {
                                "CompanyName": "APC API and Co",
                                "AddressLine1": "National Sortation Centre",
                                "AddressLine2": "Kingswood Lakeside",
                                "PostalCode": "WS11 8LD",
                                "City": "Cannock",
                                "County": "Staffordshire",
                                "CountryCode": "GB",
                                "CountryName": "United Kingdom",
                                "Contact": {
                                        "PersonName": "Fred Smith",
                                        "PhoneNumber": "01922702580",
                                        "Email": null
                                },
                                "Instructions": null
                        },
```

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4. Placing Orders & Retrieving Labels (continued)

JSON

POST

https://apc.hypaship.com/api/3.0/
Orders.json

B

RESPONSE API

PLACING AN ORDER JSON RESPONSE

Below is the JSON reponse when you get back when you make a request call.

```
"Delivery": {
        "CompanyName": "The Big Company Ltd",
        "AddressLine1": "Big Company House",
        "AddressLine2": "177 Big Street",
        "PostalCode": "M17 1WA",
        "City": "Sale",
        "County": "Cheshire",
        "CountryCode": "GB",
        "CountryName": "United Kingdom",
        "Contact": {
                "PersonName": "Jack Fox",
                "PhoneNumber": "08000280000",
                "MobileNumber": null,
                "Email": "api_support@apc-overnight.com"
        },
        "Instructions": "leave with neighbour",
        "Safeplace": "ConsigneeChoice"
},
"GoodsInfo": {
        "GoodsValue": "200",
        "GoodsDescription": ".....",
        "PremiumInsurance": "false",
        "Fragile": "false",
        "Security": "false",
        "IncreasedLiability": "false",
        "Premium": "false",
        "NonConv": "false"
},
"ShipmentDetails": {
        "NumberOfPieces": "1",
        "TotalWeight": "1",
        "VolumetricWeight": "1.96",
        "Items": {
                "Item": {
                        "ItemNumber": "000000000149567219",
                        "TrackingNumber": "20230419100996600000599001",
                        "Type": "PARCEL",
                        "Weight": "1.000",
                        "Length": "32.000",
                        "Width": "23.000",
                        "Height": "16.000",
                        "Value": "200",
                        "Reference": "PartA"
                }
        }
},
"Rates": {
        "Rate": "0.00",
        "ExtraCharges": "0.00",
        "FuelCharge": "0.00",
        "InsuranceCharge": "0.00",
        "Vat": "0.00",
        "TotalCost": "0.00",
        "Currency": "GBP"
        }
    }
}
```

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API Integration

4. Placing Orders & Retrieving Labels (continued)

POST

https://apc.hypaship.com/api/3.0/**Orders**

REQUEST API

A PLACING AN ORDER XML REQUEST

Your request must go inside the body structure of the call. Please see below regarding mandatory fields for the Orders section

Third Parties (PUR)

If the Collection details do not match operational details within Hypaship website, then they will treated as third party / PURs.

CompanyName is the customer account name

For International

Use **INT** for postalcode then add postcode as part of addressLine 2. Make sure you are enabled for non APC carrier service. Contact you depot for more information

For Multi-Items

Please use an array like so

```
<Items>
 <Item>
  ....Item 1
 </Item>
 <Item>
  ....Item 2
 </Item>
</Items>
```

```xml
<Orders>
 <AccountNumber>20400</AccountNumber>
 <Order>
  <CollectionDate>14/03/2023</CollectionDate>
  <Reference>27741</Reference>
  <ProductCode>ND16</ProductCode>
 <ReadyAt>16:23</ReadyAt>
  <Collection>
   <CompanyName>APC API and Co</CompanyName>
   <AddressLine1>National Centre</AddressLine1>
   <AddressLine2>Kingswood Lakeside</AddressLine2>
   <PostalCode>WS11 8LD</PostalCode>
   <City>Cannock</City>
   <County>Staffordshire</County>
   <CountryCode>GB</CountryCode>
   <CountryName>United Kingdom</CountryName>
   <Contact>
    <PersonName>Fred Smith</PersonName>
    <PhoneNumber>01922702580</PhoneNumber>
    <Email>fredsmith@email.co.uk</Email>
   </Contact>
  </Collection>
  <Delivery>
   <CompanyName>The Big Company Ltd</CompanyName>
   <AddressLine1>Big Company House</AddressLine1>
   <AddressLine2>177 Big Street</AddressLine2>
   <PostalCode>M17 1WA</PostalCode>
   <City>Thornford</City>
   <County>Dorset</County>
   <CountryCode>GB</CountryCode>
   <CountryName>UNITED KINGDOM</CountryName>
   <Contact>
    <PersonName>Mr Jack Jones</PersonName>
    <PhoneNumber>08000280000</PhoneNumber>
    <MobileNumber />
    <Email>jackfox@example.co.uk</Email>
   </Contact>
   <Instructions>Leave in reception</Instructions>
   <Safeplace>Allowed</Safeplace>
  </Delivery>
   <GoodsInfo>
   <GoodsValue>9.95</GoodsValue>
   <Fragile>False</Fragile>
   <Security>False</Security>
  </GoodsInfo>
  <ShipmentDetails>
   <NumberOfPieces>1</NumberOfPieces>
   <Items>
    <Item>
     <Type>ALL</Type>
     <Weight>28.000</Weight>
     <Length>0</Length>
     <Width>0</Width>
     <Height>0</Height>
     <Reference>Part A</Reference>
    </Item>
   </Items>
  </ShipmentDetails>
 </Order>
</Orders>
```

Mandatory

Order/CollectionDate
Date when the collection will be made - DD/MM/YYYY

Order/ReadyAt
Time that the order will be ready that day – HH:MM

Order/ClosedAt
Time that business closes – HH:MM

Order/Collection/CompanyName
Company Name or Name of person for collection

Order/Collection/AddressLine1
Address details for collection (optional Order/Collection/AddressLine2, Order/Collection/County)

Order/Collection/PostalCode
Collection postcode

Order/Collection/City
Collection city - Allowed: only letters, numbers, or - (dash) and dot

Order/Collection/CountryCode
The ISO 3166-1 alpha-2 country code

By excluding the collection address elements you can force the system to assign the Operational Address of the account to the consignment.

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4. Placing Orders & Retrieving Labels (continued)

POST

A

https://apc.hypaship.com/
api/3.0/**Orders**

REQUEST API

XML

PLACING AN ORDER XML REQUEST

Your request must go inside the body structure of the call.
Please see below regarding mandatory fields for the Delivery section

Third Parties (PUR)

If the Collection details do not match operational details within Hypaship website, then they will treated as third party / PURs.

CompanyName is the customer account name

For International

Use **INT** for postalcode then add postcode as part of addressLine 2. Make sure you are enabled for non APC carrier service. Contact your depot for more information

For Multi-Items

Please use an array like so

```
<Items>
 <Item>
  ....Item 1
 </Item>
 <Item>
  ....Item 2
 </Item>
</Items>
```

```xml
<Orders>
 <AccountNumber>20400</AccountNumber>
 <Order>
  <CollectionDate>14/03/2023</CollectionDate>
  <Reference>27741</Reference>
  <ProductCode>ND16</ProductCode>
  <ReadyAt>16:23</ReadyAt>
  <Collection>
   <CompanyName>APC API and Co</CompanyName>
   <AddressLine1>National Centre</AddressLine1>
   <AddressLine2>Kingswood Lakeside</AddressLine2>
   <PostalCode>WS11 8LD</PostalCode>
   <City>Cannock</City>
   <County>Staffordshire</County>
   <CountryCode>GB</CountryCode>
   <CountryName>United Kingdom</CountryName>
   <Contact>
    <PersonName>Fred Smith</PersonName>
    <PhoneNumber>01922702580</PhoneNumber>
    <Email>fredsmith@email.co.uk</Email>
   </Contact>
  </Collection>
  <Delivery>
   <CompanyName>The Company </CompanyName>
   <AddressLine1>Big Company House</AddressLine1>
   <AddressLine2>177 Big Street</AddressLine2>
   <PostalCode>M17 1WA</PostalCode>
   <City>Thornford</City>
   <County>Dorset</County>
   <CountryCode>GB</CountryCode>
   <CountryName>UNITED KINGDOM</CountryName>
   <Contact>
    <PersonName>Mr Jack Fox</PersonName>
    <PhoneNumber>08000280000</PhoneNumber>
    <MobileNumber />
    <Email>jackfox@example.co.uk</Email>
   </Contact>
   <Instructions>Leave in reception</Instructions>
   <Safeplace>Allowed</Safeplace>
  </Delivery>
   <GoodsInfo>
   <GoodsValue>9.95</GoodsValue>
   <Fragile>False</Fragile>
   <Security>False</Security>
   </GoodsInfo>
  <ShipmentDetails>
   <NumberOfPieces>1</NumberOfPieces>
   <Items>
    <Item>
     <Type>ALL</Type>
     <Weight>28.000</Weight>
     <Length>0</Length>
     <Width>0</Width>
     <Height>0</Height>
     <Reference>Part A</Reference>
    </Item>
   </Items>
  </ShipmentDetails>
 </Order>
</Orders>
```

Mandatory

Order/Delivery/CompanyName
Company name or name of person for delivery

Order/Delivery/AddressLine1
Address details for delivery. (optional Order/Delivery/ AddressLine2, Order/Delivery/County)

Order/Delivery/PostalCode
Delivery postcode – must be in valid format: AA9A 9AA / A9A 9AA / A9 9AA / A99 9AA / AA9 9AA / AA99 9AA

Order/Delivery/City
Delivery city

Order/Delivery/CountryCode
The ISO 3166-1 alpha-2 country code.

2/3

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4. Placing Orders & Retrieving Labels (continued)

XML

PLACING AN ORDER XML REQUEST

Your request must go inside the body structure of the call. Please see below regarding mandatory fields for the shipment section

Third Parties (PUR)

If the Collection details do not match operational details within Hypaship website, then they will treated as third party / PURs.

CompanyName is the customer account name

For International

Use **INT** for postalcode then add postcode as part of addressLine 2. Make sure you are enabled for non APC carrier service. Contact your depot for more information

For Multi-Items

Please use an array like so

```
<Items>
 <Item>
  ....Item 1
 </Item>
 <Item>
  ....Item 2
 </Item>
</Items>
```

```xml
<Orders>
 <AccountNumber>20400</AccountNumber>
 <Order>
  <CollectionDate>14/03/2023</CollectionDate>
  <Reference>27741</Reference>
  <ProductCode>ND16</ProductCode>
  <ReadyAt>16:23</ReadyAt>
  <Collection>
   <CompanyName>APC API and Co</CompanyName>
   <AddressLine1>National Centre</AddressLine1>
   <AddressLine2>Kingswood Lakeside</AddressLine2>
   <PostalCode>WS11 8LD</PostalCode>
   <City>Cannock</City>
   <County>Staffordshire</County>
   <CountryCode>GB</CountryCode>
   <CountryName>United Kingdom</CountryName>
   <Contact>
    <PersonName>Fred Smith</PersonName>
    <PhoneNumber>01922702580</PhoneNumber>
    <Email>fredsmith@email.co.uk</Email>
   </Contact>
  </Collection>
  <Delivery>
   <CompanyName>The Big Company Ltd</CompanyName>
   <AddressLine1>Big Company House</AddressLine1>
   <AddressLine2>177 Big Street</AddressLine2>
   <PostalCode>M17 1WA</PostalCode>
   <City>Manchester</City>
   <County>Dorset</County>
   <CountryCode>GB</CountryCode>
   <CountryName>UNITED KINGDOM</CountryName>
   <Contact>
    <PersonName>Mr Jack Fox</PersonName>
    <PhoneNumber>08000280000</PhoneNumber>
    <MobileNumber />
    <Email>jackfox@example.co.uk</Email>
   </Contact>
   <Instructions>Leave in reception</Instructions>
   <Safeplace>Allowed</Safeplace>
  </Delivery>
  <GoodsInfo>
   <GoodsValue>9.95</GoodsValue>
   <Fragile>False</Fragile>
   <Security>False</Security>
  </GoodsInfo>
  <ShipmentDetails>
   <NumberOfPieces>1</NumberOfPieces>
   <Items>
    <Item>
     <Type>ALL</Type>
     <Weight>28.000</Weight>
     <Length>0</Length>
     <Width>0</Width>
     <Height>0</Height>
     <Reference>Part A</Reference>
    </Item>
   </Items>
  </ShipmentDetails>
 </Order>
</Orders>
```

Mandatory

Order/ShipmentDetails/NumberOfPieces
Amount of pieces in the Order – Cannot be 0

Order/ShipmentDetails/Items/Item/Type
The type of freight being sent – can be either PACK, PARCEL, LIQUIDS or LIMITED QUANTITIES. (Must be Upper Case).

Order/ShipmentDetails/Items/Item/Weight
Weight of the piece (in KG) – Decimal value, Cannot be 0, Minimum 0.01kg

Order/ShipmentDetails/Items/Item/Length
Integer Length of the piece (in CM)

The field can be mandatory or optional depending on customer account settings.

Order/ShipmentDetails/Items/Item/Width
Width of the piece (in CM)

The field can be mandatory or optional depending on customer account settings.

Order/ShipmentDetails/Items/Item/Height
Height of the piece (in CM)

The field can be mandatory or optional depending on customer account settings.

Order/ShipmentDetails/Items/Item/Value
Value of the piece (in the currency linked to the account)

The field can be mandatory or optional depending on customer account settings.

XML

4. Placing Orders & Retrieving Labels (continued)

POST

A

https://apc.hypaship.com/api/3.0/**Orders**

REQUEST API

PLACING AN ORDER XML REQUEST

Below are the optional fields with dependencies that are part of the schema body.

Optional

Order/DeliveryGroup
Delivery as setup up in the system under My Accounts / Delivery Groups. With this option, it will make use of the rules related to this Delivery Group only

Order/ProductCode
Service code as returned from the Service Availability API, such as ND09 (for 9 am parcel service)
If not passed, the API will follow the rules cascade as set up in the application

Order/Reference
Your internal reference of the order

Order/Collection/Contact/PersonName
Name of person that can be contacted by phone number regarding the collection

Order/Collection/Contact/PhoneNumber
Phone number of the person that can be contacted regarding the collection

Order/Collection/Contact/Email
Email address of the collection contact
Valid email address (containing @ and dot)

Order/Delivery/Contact/PersonName
Name of person that can be contacted by phone number regarding the delivery

Order/Delivery/Contact/PhoneNumber
Phone number of the person that can be contacted regarding the delivery

Order/Delivery/Contact/Email
Email address of the delivery contact
Valid email address (containing @ and dot)

Order/Delivery/Contact/MobileNumber
Mobile phone number of delivery contact.

Must begin with either 07, +447, 447 or 00447

Order/Delivery/Instructions
Special instructions for delivery

Allowed: Only letters, numbers, or - (dash)

Order/Delivery/Safeplace
New feature, September 2023
See section 9 of this guide

Order/GoodsInfo/GoodsDescription
A description of the goods

Allowed: only letters, numbers, or - (dash) . : ; / [ ] \

Order/GoodsInfo/Security
True/False

Indicates that a consignment is travelling via the Security system. Security is a prerequisite for Increased Liability.

Default = False

Order/GoodsInfo/Fragile
True/False

Indicates that a consignment is fragile.

Fragile and Security are mutually exclusive

Default = False

Order/GoodsInfo/IncreasedLiability
True/False

Indicates that a consignment has increased liability cover.

Default = False

1/1

4. Placing Orders & Retrieving Labels (continued)

XML

POST **B**

https://apc.hypaship.com/api/3.0/
Orders

RESPONSE API

PLACING AN ORDER XML RESPONSE

Below is the kind of response you get back once you make a request call

```xml
<?xml version='1.0' encoding='UTF-8' standalone='no'?>
<Orders>
        <AccountNumber>20400</AccountNumber>
        <Messages>
                <Code>SUCCESS</Code>
                <Description>SUCCESS</Description>
        </Messages>
        <Order>
                <Messages>
                        <Code>SUCCESS</Code>
                        <Description>SUCCESS</Description>
                </Messages>
                <AccountNumber>AN001</AccountNumber>
                <CollectionDate>20/03/2023</CollectionDate>
                <ReadyAt>14:07</ReadyAt>
                <ClosedAt>18:00</ClosedAt>
                <ProductCode>ND16</ProductCode>
                <AccountNumber>AN01</AccountNumber>
                <RuleName/>
                <ItemOption>Weight</ItemOption>
                <OrderNumber>000000000004667007</OrderNumber>     <----- Order number
                <WayBill>20231002100996600000318</WayBill>        <----- 22-digit
                <Reference>27810</Reference>                             Consignment
                <CustomReference1/>                                      Identifier
                <CustomReference2/>
                <CustomReference3/>
                <AdultSignature/>
                <Depots>
                        <RequestDepot>100</RequestDepot>
                        <CollectingDepot>311</CollectingDepot>
                        <DeliveryDepot>89</DeliveryDepot>
                        <Route>APC</Route>
                        <IsScottish>true</IsScottish>
                        <Zone>K</Zone>
                        <Presort></Presort>
                </Depots>
                <Collection>
                        <CompanyName>APC Limited</CompanyName>
                        <AddressLine1>National Sortation Centre</AddressLine1>
                        <AddressLine2> Kingswood Lakeside</AddressLine2>
                        <PostalCode>WS11 8LD</PostalCode>
                        <City>Cannock</City>
                        <County></County>
                        <CountryCode>GB</CountryCode>
                        <CountryName>United Kingdom</CountryName>
                        <Contact>
                                <PersonName>Bob Smith</PersonName>
                                <PhoneNumber>02082000000</PhoneNumber>
                                <Email>smith@gmail.co.uk</Email>
                        </Contact>
                        <Instructions/>
                </Collection>
```

▼ **1/2**

4. Placing Orders & Retrieving Labels (continued)

XML

POST

B

https://apc.hypaship.com/api/3.0/
Orders

RESPONSE API

PLACING AN ORDER XML RESPONSE

Below is the kind of response you get back once you make a request

```xml
<Delivery>
        <CompanyName> 24 Joe Blogs Limited </CompanyName>
        <AddressLine1>13 Joe Street</AddressLine1>
        <AddressLine2></AddressLine2>
        <PostalCode>M17 1WA</PostalCode>
        <City>Manchester</City>
        <County>Greater Manchester</County>
        <CountryCode>GB</CountryCode>
        <CountryName>United Kingdom</CountryName>
        <Contact>
                <PersonName>Joe bloggs</PersonName>
                <PhoneNumber>01922702580</PhoneNumber>
                <MobileNumber></MobileNumber>
                <Email>joe@btinternet.com</Email>
        </Contact>
        <Instructions>Leave in reception </Instructions>
        <Safeplace>NotAllowed</Safeplace>
</Delivery>
<GoodsInfo>
        <GoodsValue>4.30</GoodsValue>
        <GoodsDescription></GoodsDescription>
        <PremiumInsurance>false</PremiumInsurance>
        <Fragile>false</Fragile>
        <Security>false</Security>
        <IncreasedLiability>false</IncreasedLiability>
        <Premium>false</Premium>
        <NonConv>false</NonConv>
</GoodsInfo>
<ShipmentDetails>
        <NumberOfPieces>1</NumberOfPieces>
        <TotalWeight>0.50</TotalWeight>
        <VolumetricWeight>0.00</VolumetricWeight>
        <Items>
                <Item>
                        <ItemNumber>000000000004667007</ItemNumber>
                        <TrackingNumber>20231002100996600000318001</TrackingNumber>
                        <Type>PARCEL</Type>
                        <Weight>0.500</Weight>
                        <Length>0.000</Length>
                        <Width>0.000</Width>
                        <Height>0.000</Height>
                        <Value>0.00</Value>
                        <Reference>Part A</Reference>
                </Item>
        </Items>
</ShipmentDetails>
<Rates>
        <Rate>0.00</Rate>
        <ExtraCharges>0.00</ExtraCharges>
        <FuelCharge>0.00</FuelCharge>
        <InsuranceCharge>0.00</InsuranceCharge>
        <Vat>0.00</Vat>
        <TotalCost>0.00</TotalCost>
        <Currency>GBP</Currency>
</Rates>
        </Order>
</Orders>
```
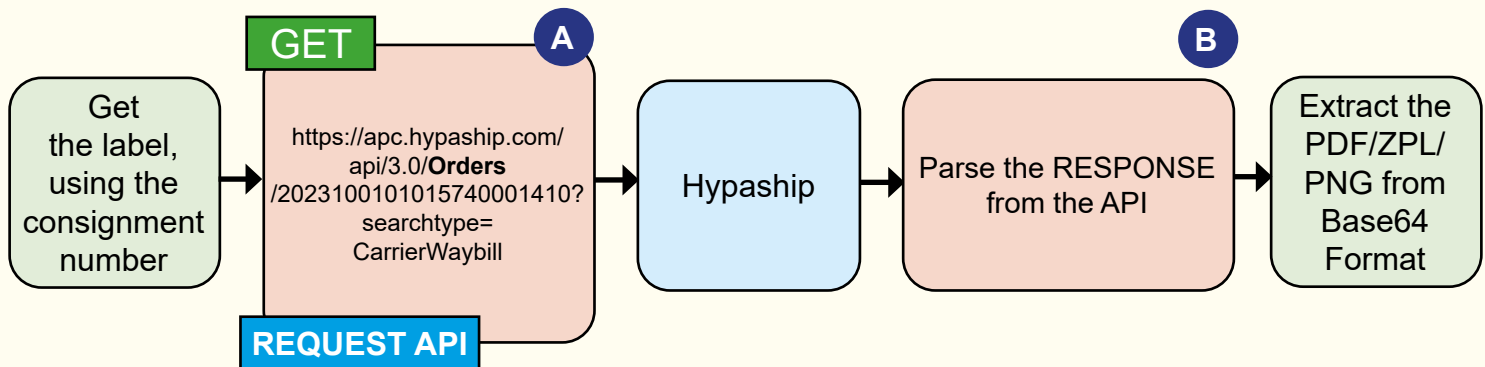
2/2

4. Placing Orders & Retrieving Labels (continued)

4.2. Retrieving Labels

Before you retrieve a label, please allow a few seconds delay, for label generation, before making the GET order request.

If you request the label before it has been generated it is acceptable to repeat the GET call again.

A   Making a Get Request API Call

To make the API call, you must have the following configuration

HTTP Method: GET

Headers	Value
remote-user	Basic then followed by your base64 encoded string which is your email:password
Content-Type	application/xml or application/json

Environments	API Endpoint	Format
Training:	https://apc-training.hypaship.com/api/3.0/Orders/{OrderNumber/Waybill/Reference}	XML
Live	https://apc.hypaship.com/api/3.0/Orders/{OrderNumber/Waybill/Reference}	XML
Training	https://apc-training.hypaship.com/api/3.0/Orders/{OrderNumber/Waybill/Reference}.json	JSON
Live:	https://apc.hypaship.com/api/3.0/Orders/{OrderNumber/Waybill/Reference}.json	JSON

4. Placing Orders & Retrieving Labels (continued)

GET

https://apc.hypaship.com/api/3.0/**Orders**/20230322010157400011410.json?labelformat=PDF&markprinted=True&searchtype=CarrierWaybill&labels=True

REQUEST API

A

RETRIEVING LABEL REQUEST

The following are all the required query fields that make up the request.

Query Fields

Parameter	Example	Description
searchtype	*searchtype=OrderNumber* *searchtype=CarrierWaybill* Default: OrderNumber	For specific order searches, which order number or reference is being used. Can be 'CarrierWaybill' (22 digit APC consignment number), 'Reference' (shipper order reference) or 'OrderNumber' (18 digit order reference eg 00000000007004519)
labelformat	*labelformat=PDF* *labelformat=PNG* *labelformat=ZPL* Default: PDF	The format of label returned. Can be PDF, ZPL or PNG.
markprinted	*markprinted=True* *markprinted=False* Default: Conditional	When true, each call for a label will trigger the label printed status for an order. Default – True, unless Labels parameter is set to False, in which case MarkPrinted is always false
labels	*labels=True* *labels=False* Default: Conditional	If it includes a single order number, then it will True (default): It will show the labels for the selected order False: Will not show any labels If it does not include an order number (i.e. a range of consignments) then it will True: It will show all the labels False (default): will not show any labels
datefrom	*datefrom=* *20-09-2023T13:00*	Used to search for orders in a specific date range. Can be used on its own, does not require dateto to be specified. Default – 7 days ago at time of request e.g. if searching at 13:00 on 27/09, default would be 13:00 on 20/09
dateto	*dateto=* 27-09-2023T13:00	Used to search for orders in a specific date range. Must be used with datefrom specified as well. Default – Time of request, eg if searching at 13:00 on 27/09, default would be 13:00 on 27/09
page	*page=7* Default: 1	Used to search for specific pages of orders, when searching for all orders/range of orders. Does not apply when searching for a specific order.

1/1

4. Placing Orders & Retrieving Labels (continued)

GET

https://apc.hypaship.com/api/3.0/**Orders**/2023032201015740001410.json?labelformat=PDF&markprinted=True& searchtype=CarrierWaybill& labels=True

B

REQUEST API

RETRIEVING LABEL JSON RESPONSE

Based on your query field request, you will get a response similar to the one below

```json
{
        "Orders": {
                "AccountNumber": "AN01",
                "Messages": {
                        "Code": "SUCCESS",
                        "Description": "SUCCESS"
                },
                "Pagination": {
                        "TotalPages": "1",
                        "NextPage": null,
                        "PreviousPage": null,
                        "ItemsPerPage": "25",
                        "ItemsTotal": "1"
                },
                "Order": {
                        "Messages": {
                                "Code": "SUCCESS",
                                "Description": "SUCCESS"
                        },
                        "AccountNumber": [
                                "AN01",
                                "AN01"
                        ],
                        "EntryType": "API",
                        "CollectionDate": "05/04/2023",
                        "ReadyAt": "18:00",
                        "ClosedAt": "18:30",
                        "ProductCode": "ND16",
                        "RuleName": null,
                        "ItemOption": "Weight",
                        "OrderNumber": "000000000128555282",
                        "WayBill": "2023040510099660000551",
                        "Reference": "TEST",
                        "CustomReference1": null,
                        "CustomReference2": null,
                        "CustomReference3": null,
                        "AdultSignature": null,
                        "Depots": {
                                "RequestDepot": "100",
                                "CollectingDepot": "44",
                                "DeliveryDepot": "53",
                                "Route": "APC",
                                "IsScottish": "true",
                                "Zone": "Z",
                                "Presort": null
                        },
                        "Collection": {
                                "CompanyName": "APC API and Co",
                                "AddressLine1": "National Sortation Centre",
                                "AddressLine2": "Kingswood Lakeside",
                                "PostalCode": "WS11 8LD",
                                "City": "Cannock",
                                "County": "Staffordshire",
                                "CountryCode": "GB",
                                "CountryName": "United Kingdom",
```

◄·········· Order number

◄·········· 22-digit Consignment Identifier

▼ **1/2**

4. Placing Orders & Retrieving Labels (continued)

JSON

https://apc.hypaship.com/api/3.0/**Orders**/20230322201015740001410.json?
labelformat=PDF&markprinted=True&
searchtype=CarrierWaybill&
labels=True

REQUEST API

B

RETRIEVING LABEL JSON RESPONSE
Based on your query fields, you will get a response similar to the one below

```json
            "Contact": {
                    "PersonName": "Fred Smith",
                    "PhoneNumber": "01922702580",
                    "Email": null
            },
            "Instructions": null
    },
    "Delivery": {
            "CompanyName": "The Big Company Ltd",
            "AddressLine1": "Big Company House",
            "AddressLine2": "177 Big Street",
            "PostalCode": "M17 1WA",
            "City": "Sale",
            "County": "Cheshire",
            "CountryCode": "GB",
            "CountryName": "United Kingdom",
            "Contact": {
                    "PersonName": "Jack Fox",
                    "PhoneNumber": "08000000000",
                    "MobileNumber": null,
                    "Email": "api_support@apc-overnight.com"
            },
            "Instructions": "Leave in reception",
            "Instructions": "NotAllowed"
    },
    "GoodsInfo": {
            "GoodsValue": "200.00",
            "GoodsDescription": null,
            "PremiumInsurance": "false",
            "Fragile": "false",
            "Security": "false",
            "IncreasedLiability": "false",
            "Premium": "false",
            "NonConv": "false"
    },
    "ShipmentDetails": {
            "NumberOfPieces": "1",
            "TotalWeight": "1.00",
            "VolumetricWeight": "1.96",
            "Items": {
                    "Item": {
                            "ItemNumber": "000000000128555282",
                            "TrackingNumber": "2023040510099660000551001",
                            "Type": "PARCEL",
                            "Weight": "1.000",
                            "Length": "32.000",
                            "Width": "23.000",
                            "Height": "16.000",
                            "Value": "200.00",
                            "Reference": null,
                            "Label": {
                                    "Format": "PDF",
                                    "Content": "JVBERi0xLjMKMSAwIG9iago8PAovS2lkcyBbID
                            }
                    }
            }
    },
    "Rates": {
            "Rate": "0.00",
            "ExtraCharges": "0.00",
            "FuelCharge": "0.00",
            "InsuranceCharge": "0.00",
            "Vat": "0.00",
            "TotalCost": "0.00",
            "Currency": "GBP"
    }
}
}
```

Lengthy Base64 Output

Please decode the base64 in-order to view the label. To Test, you can use:

https://www.base64decode.org/
(Copy and paste the base64)

2/2

4. Placing Orders & Retrieving Labels (continued)

XML

GET **B**

https://apc.hypaship.com/api/3.0/**Orders**/2023032201015740001410?labelformat=PDF&markprinted=True&searchtype=CarrierWaybill&labels=True

REQUEST API

RETRIEVING LABEL XML RESPONSE

Based on your query fields, you will get a response similar to the one below

```xml
<?xml version='1.0' encoding='UTF-8' standalone='no'?>
<Orders>
        <AccountNumber>AN01</AccountNumber>
        <Messages>
                <Code>SUCCESS</Code>
                <Description>SUCCESS</Description>
        </Messages>
        <Order>
                <Messages>
                        <Code>SUCCESS</Code>
                        <Description>SUCCESS</Description>
                </Messages>
                <AccountNumber>AN01</AccountNumber>
                <EntryType>API</EntryType>
                <CollectionDate>17/04/2023</CollectionDate>
                <ReadyAt>09:00</ReadyAt>
                <ClosedAt>17:00</ClosedAt>
                <ProductCode>LP16</ProductCode>
                <AccountNumber>AN01</AccountNumber>
                <RuleName/>
                <ItemOption>Weight</ItemOption>
                <OrderNumber>000000000147234441</OrderNumber>
                <WayBill>20230417100996600000598</WayBill>
                <Reference></Reference>
                <CustomReference1/>
                <CustomReference2/>
                <CustomReference3/>
                <AdultSignature/>
                <Depots>
                        <RequestDepot>100</RequestDepot>
                        <CollectingDepot>100</CollectingDepot>
                        <DeliveryDepot>44</DeliveryDepot>
                        <Route>APC</Route>
                        <IsScottish>true</IsScottish>
                        <Zone>J</Zone>
                        <Presort>L</Presort>
                </Depots>
                <Collection>
                        <CompanyName>APC API and Co</CompanyName>
                        <AddressLine1>National Sortation Centre</AddressLine1>
                        <AddressLine2>Kingswood Lakeside</AddressLine2>
                        <PostalCode>WS11 8LD</PostalCode>
                        <City>Cannock</City>
                        <County>Staffordshire</County>
                        <CountryCode>GB</CountryCode>
                        <CountryName>United Kingdom</CountryName>
                        <Contact>
                                <PersonName>ACP API Support</PersonName>
                                <PhoneNumber>012345689</PhoneNumber>
                                <Email/>
                        </Contact>
                        <Instructions/>
```

Order number

22-digit Consignment Identifier

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4. Placing Orders & Retrieving Labels (continued)

GET

https://apc.hypaship.com/api/3.0/**Orders**/2023032201015740001410?labelformat=PDF&markprinted=True&searchtype=CarrierWaybill&labels=True

B

REQUEST API

XML

RETRIEVING LABEL XML RESPONSE
Based on your query fields, you will get a response similar to the one below

```xml
</Collection>
        <Delivery>
                <CompanyName>APC API and Co</CompanyName>
                <AddressLine1>National Sortation Centre</AddressLine1>
                <AddressLine2>Kingswood Lakeside</AddressLine2>
                <PostalCode>WS11 8LD</PostalCode>
                <City>Cannock</City>
                <County>Staffordshire</County>
                <CountryCode>GB</CountryCode>
                <CountryName>United Kingdom</CountryName>
                <Contact>
                        <PersonName>Fred Smith</PersonName>
                        <PhoneNumber>07540000123</PhoneNumber>
                        <MobileNumber>07540000123</MobileNumber>
                        <Email>api_support@apc-overnight.com</Email>
                </Contact>
                <Instructions> Leave in reception</Instructions>
                <Safeplace> ConsigneeChoice</Safeplace>
        </Delivery>
        <GoodsInfo>
                <GoodsValue>1.00</GoodsValue>
                <GoodsDescription></GoodsDescription>
                <PremiumInsurance>false</PremiumInsurance>
                <Fragile>true</Fragile>
                <Security>false</Security>
                <IncreasedLiability>false</IncreasedLiability>
                <Premium>false</Premium>
                <NonConv>false</NonConv>
        </GoodsInfo>
        <ShipmentDetails>
                <NumberOfPieces>1</NumberOfPieces>
                <TotalWeight>1.00</TotalWeight>
                <VolumetricWeight>0.00</VolumetricWeight>
                <Items>
                        <Item>
                                <ItemNumber>000000000147234441</ItemNumber>
                                <TrackingNumber>20230417100996600000598001</TrackingNumber>
                                <Type>LIQUIDS</Type>
                                <Weight>1.000</Weight>
                                <Length>1.000</Length>
                                <Width>1.000</Width>
                                <Height>1.000</Height>
                                <Value>1.00</Value>
                                <Reference/>
                                <Label>
                                        <Format>PDF</Format>
                                        <Content>JVBERi0xLjMKMSAwIG9iago</Content>
        </Label>
        <Rates>
                <Rate>0.00</Rate>
                <ExtraCharges>0.00</ExtraCharges>
                <FuelCharge>0.00</FuelCharge>
                <InsuranceCharge>0.00</InsuranceCharge>
                <Vat>0.00</Vat>
                <TotalCost>0.00</TotalCost>
                <Currency>GBP</Currency>
        </Rates>
    </Order>
</Orders>
```

Lengthy Base64 Output

Please decode the base64 in-order to view the label. To Test, you can use:

https://www.base64decode.org/
(Copy and paste the base64)

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4. Placing Orders & Retrieving Labels (continued)

Extract the PDF/ ZPL/PNG in Base64 Format
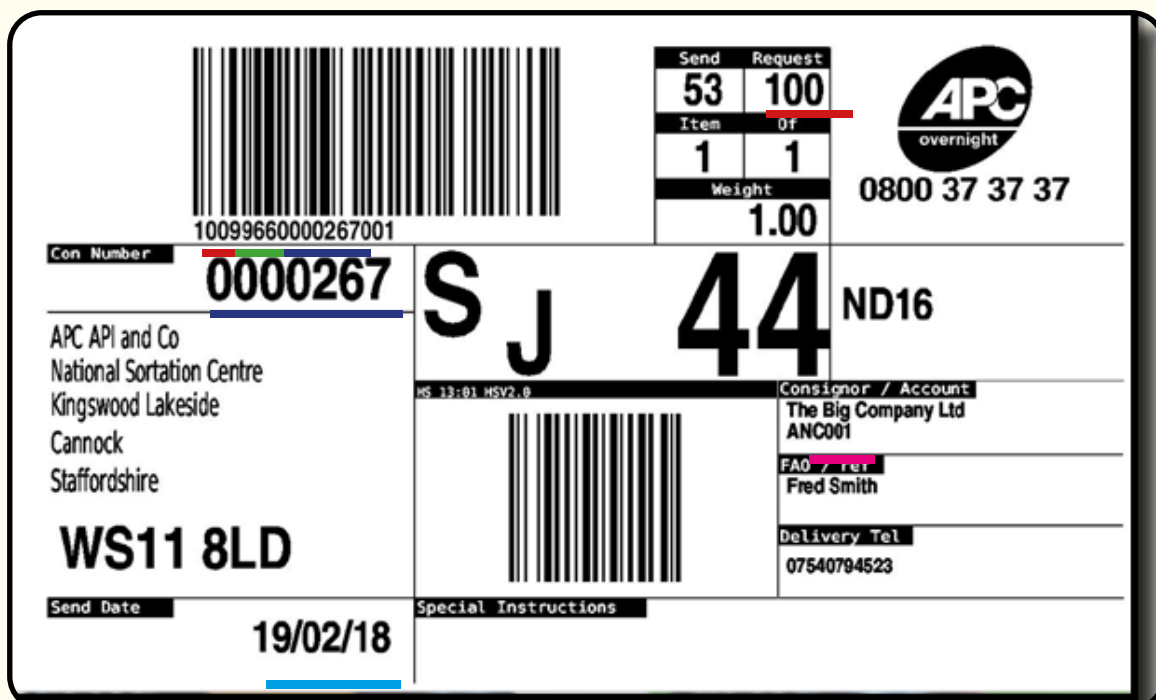
4.3. The Label

The will be encoded in Base64. We recommend ZPL for thermal printers

Base64 Encoded

"Label": {
  "Format": "PDF",
  "Content": "JVBERi0xLjMKMSAwIG9iago8PAovS2lkcyBblD
             iojuoijh60yudfulG9iago8g6j0brher7Dfuyf8cuyci
             5giuh5bhoy5yudfulG9iagorybij0hb8fdettgrtgu95
             biu46897ghcyudfulG9iago8iohoibh5yfuyf8cuyci
             t0he0iago8g9g9g9er7Dfuyf8yrbohoihby95h69y9
             5s66syt0oiuyf87d88iyfiifuyf8yrbohoy7s5jk7875d

Base64 Decoded

How the APC Consignment Identifier works: **202302191009966000267**

20230219	Send Date in YYYY/MM/DD
100	Requesting Depot Number
9966	Account Ref
0000267	Consignment Number

Send Date: The date that the consignment is to be sent through the network
Request Depot: The depot that the customer belongs to (and most parcels will be sent from)
Account Reference: A unique 4 digit identifier for the customer, unique to the depot
Account Number: An alphanumeric field of up to 6 characters.
Consignment Number: A 7 digit short form of the consignment number (NOT unique in the network)
Barcode: A 17 digit reference of a single item within a consignment '10099660000267001'
Item Number: Last 3 digits indicate each item within a consignment '001'
Consignment Identifier: a 22 digit identifier for the consignment in the network '202302191009966000267'
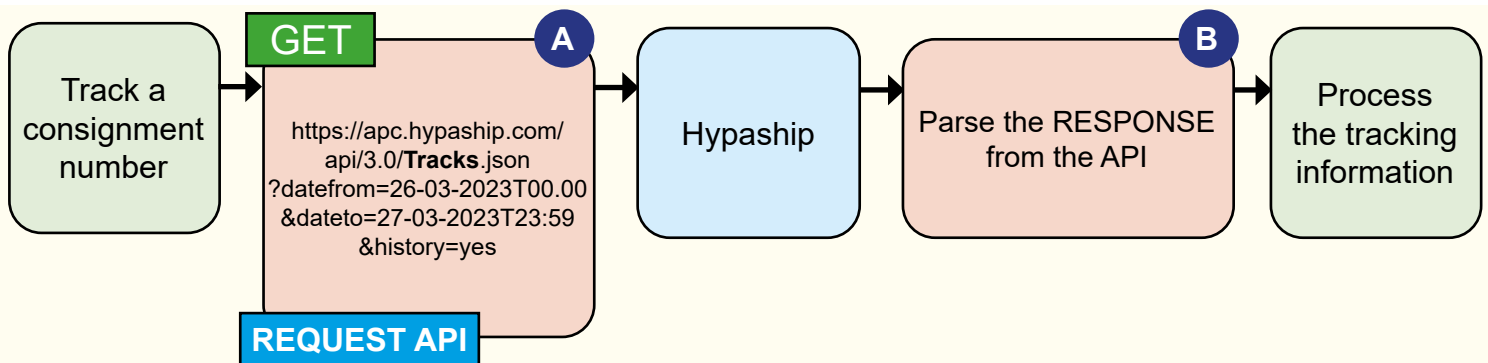
5. Tracking Orders

5. Tracking Orders

In this section, we will show you how to use the Tracks and Activities endpoints to retrive various levels of detail about your consignments.

5.1. Tracks

The Tracks call allows you to send a GET request to retrieve one or more tracking events according to your search type.

A Making a Get Request API Call

To make the API call, you must have the following configuration

HTTP Method: GET

Headers	Value
remote-user	Basic then followed by your base64 encoded string which is your email:password
Content-Type	application/xml or application/json

Single Order/Consignment Tracking

Environments	API Endpoint	Format
Training:	https://apc-training.hypaship.com/api/3.0/Tracks/ *{OrderNumber/Waybill/Reference}*	XML
Live:	https://apc.hypaship.com/api/3.0/Tracks/*{OrderNumber/ Waybill/Reference}*	XML
Training:	https://apc-training.hypaship.com/api/3.0/Tracks/ *{OrderNumber/Waybill/Reference}*.json	JSON
Live:	https://apc.hypaship.com/api/3.0/Tracks/*{OrderNumber/ Waybill/Reference}*.json	JSON

Multi Consignment/Order Tracking

Environments	API Endpoint	Format
Training:	https://apc-training.hypaship.com/api/3.0/Tracks/	XML
Live:	https://apc.hypaship.com/api/3.0/Tracks/	XML
Training:	https://apc-training.hypaship.com/api/3.0/Tracks.json	JSON
Live:	https://apc.hypaship.com/api/3.0/Tracks.json	JSON

API Integration

GET

https://apc.hypaship.com/
api/3.0/**Tracks**.json
?datefrom=26-03-2023T00:00
&dateto=27-03-2023T23:59
&history=yes

REQUEST API

A

RETRIEVING TRACKING INFO

Use the consignment number or order number with the following tracking endpoint

Query Fields

Usage

SINGLE
XML: https://apc.hypaship.com/api/3.0/Tracks/*{consignment number/order number}*/*{query fields}*
JSON: https://apc.hypaship.com/api/3.0/Tracks/*{consignment number/order number}*.json?*{query fields}*
MULTI
XML: https://apc.hypaship.com/api/3.0/Tracks/*{query fields}*
JSON: https://apc.hypaship.com/api/3.0/Tracks.json?*{query fields}*

Parameter	Example	Description
searchtype	*searchtype=OrderNumber* *searchtype=CarrierWaybill* Default: OrderNumber	For specific order searches, which order number or reference is being used. Can be 'CarrierWaybill' (22 digit APC consignment number), 'Reference' (shipper order reference) or 'OrderNumber' (18 digit order reference eg 000000000007004519)
datefrom **(Multi)**	*datefrom=* *20-09- 2023T13:00* Default: Date of search	The date and time that the tracking event was assigned to the order. Used to search for tracks in a specific date range Default – 7 days ago at time of request e.g. if searching at 13:00 on 27/09, default would be 13:00 on 20/09
dateto **(Multi)**	*dateto=* *27-09- 2023T13:00* Default: Date of search	The date and time that the scan was assigned to the order. Used to search for tracks in a specific date range Default – Time of request e.g. if searching at 13:00 on 27/09, default would be 13:00 on 27/09
page	*page=2* Default: 1	Used to search for specific pages of scans, when searching for all scans
history	*history=Yes* *history=No* Default: No	When Yes, API will return all status updates for the order(s) requested within a datetime range. If datetime is not specified, the API will return all of the latest scans that have not been called yet. When No, only the last scans are returned.

Multi-tracking without a consignment number will return all tracking scans since the last call for the account used.

5. Tracking Orders (continued)

JSON

GET **B**

https://apc.hypaship.com/
api/3.0/**Tracks**.json
?datefrom=26-03-2023T00:00
&dateto=27-03-2023T23:59
&history=yes

RESPONSE API

RETRIEVING TRACKING RESPONSE

The possible response outcome that you may receive

```json
{
"Tracks": {
"Track": [
    {
        "AdultSignature": null,
        "ProductCode": "1600 Courier Pack",
        "CustomReference2": null,
        "CustomReference3": null,
        "Reference": null,
        "CustomReference1": null,
        "OrderNumber": "000000000036295184",
        "WayBill": "2023090821168860000004",
        "ShipmentDetails": {
            "Items": [
                {
                "Item": {
                    "Reference": "None",
                    "Weight": "2.000",
                    "Value": "1000.00",
                    "Height": "30.000",
                    "ItemNumber": "000000000036295184",
                    "Width": "20.000",
                    "Length": "10.000",
                    "Activity": [
                    {
                        "Status": {
                            "Comments": null,
                            "DateTime": "07/12/2023 15:06:55",
                            "Location": "N/A",
                            "SignedBy": null,
                            "StatusDescription": "READY TO PRINT",
                            "StatusCode": "1"
                        }
                    },
                    {
                        "Status": {
                            "Comments": null,
                            "DateTime": "07/12/2023 15:10:35",
                            "Location": "N/A",
                            "SignedBy": null,
                            "StatusDescription": "LABEL PRINTED / DONE",
                            "StatusCode": "62"
                        }
                    },
                    {
                        "Status": {
                            "Comments": null,
                            "DateTime": "07/12/2023 15:22:39",
                            "Location": "N/A",
                            "SignedBy": null,
                            "StatusDescription": "MANIFESTED",
                            "StatusCode": "63"
                        }
                    },
```

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5. Tracking Orders (continued)

JSON

GET

B

https://apc.hypaship.com/
api/3.0/**Tracks**.json
?datefrom=26-03-2023T00:00
&dateto=27-03-2023T23:59
&history=yes

RESPONSE API

RETRIEVING TRACKING RESPONSE

The possible response outcome that you may receive

```json
                    {
                            "Status": {
                                    "Comments": null,
                                    "DateTime": "07/12/2023 16:21:40",
                                    "Location": "N/A",
                                    "SignedBy": null,
                                    "StatusDescription": "AT HUB",
                                    "StatusCode": "70"
                            }
                    },
                    {
                                                    {
                            "Status": {
                                    "Comments": null,
                                    "DateTime": "08/12/2023 08:00:00",
                                    "Location": "Point of Delivery",
                                    "SignedBy": null,
                                    "StatusDescription": "AT DELIVERY DEPOT",
                                    "StatusCode": "69"
                            }
                    },
                    {
                            "Status": {
                                    "Comments": null,
                                    "DateTime": "11/12/2023 08:00:00",
                                    "Location": "Point of Delivery",
                                    "SignedBy": null,
                                    "StatusDescription": "DELIVERED",
                                    "StatusCode": "3"
                            }
                    },
                    ],
                    "TrackingNumber": "20230908211688600000004001",
                    "Type": "PACK"
                    }
            }
    ],
    "NumberOfPieces": "1",
    "TotalWeight": "2.00"
    },
    "Collection": {
            "City": "London",
            "CountryCode": "GB",
            "CompanyName": "Alternative Parcels Company Limited",
            "County": null,
            "Contact": {
                    "PersonName": "Daniel Smith",
                    "PhoneNumber": "07720700000",
                    "Email": null
            },
            "AddressLine2": "Kingswood Lakeside",
            "AddressLine1": "Cannock",
            "PostalCode": "WS11 8LD",
            "CountryName": "United Kingdom",
            "Instructions": null
    },
```

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5. Tracking Orders (continued)

GET

B

https://apc.hypaship.com/
api/3.0/**Tracks**.json
?datefrom=26-03-2023T00:00
&dateto=27-03-2023T23:59
&history=yes

JSON

RESPONSE API

RETRIEVING TRACKING RESPONSE

The possible response outcome that you may receive

```json
            "ClosedAt": "17:00",
            "Delivery": {
                    "City": "Manchester",
                    "CountryCode": "GB",
                    "CompanyName": "Just Everywhere Ltd",
                    "County": null,
                    "Contact": {
                            "PersonName": "Gary Gray",
                            "MobileNumber": null,
                            "PhoneNumber": "07733000000",
                            "Email": null
                    },
                    "AddressLine2": "King Edward Street",
                    "AddressLine1": "Financial Centre",
                    "PostalCode": "M17 1WA",
                    "CountryName": "United Kingdom",
                    "Instructions": null
            },
            "ReadyAt": "16:00",
            "ItemOption": "Weight",
            "CollectionDate": "07/12/2023",
            "GoodsInfo": {
                    "Category": "CommercialSamples",
                    "Fragile": "true",
                    "PremiumInsurance": "False",
                    "GoodsValue": "0.00",
                    "Security": "false",
                    "GoodsDescription": null,
                    "InsuranceLiability": "false"
            },
            "Depots": {
                    "Route": "APC",
                    "CollectingDepot": "211",
                    "IsScottish": "false",
                    "DeliveryDepot": "64",
                    "RequestDepot": "211"
            }
        }
],
"Pagination": {
        "TotalPages": "998",
        "ItemsTotal": "49882",
        "ItemsPerPage": "50",
        "PreviousPage": null,
        "NextPage": "2"
},
"Messages": {
        "Code": "SUCCESS",
        "Description": "SUCCESS"
},
"AccountNumber": "6582"
}
}
```

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5. Tracking Orders (continued)

XML

GET

B

https://apc.hypaship.com/
api/3.0/**Tracks**?
datefrom=26-03-2023T00:00
&dateto=27-03-2023T23:59
&history=yes

RETRIEVING TRACKING RESPONSE

The possible response outcome that you may receive

RESPONSE API

```xml
<?xml version='1.0' encoding='UTF-8' standalone='no'?>
<Tracks>
        <AccountNumber>6582</AccountNumber>
        <Messages>
                <Code>SUCCESS</Code>
                <Description>SUCCESS</Description>
        </Messages>
        <Track>
                <CollectionDate>07/12/2023</CollectionDate>
                <ReadyAt>16:00</ReadyAt>
                <ClosedAt>17:00</ClosedAt>
                <ProductCode>1600 Courier Pack</ProductCode>
                <ItemOption>Weight</ItemOption>
                <OrderNumber>000000000036295184</OrderNumber>
                <WayBill>20230908211688600000004</WayBill>
                <Reference></Reference>
                <CustomReference1/>
                <CustomReference2/>
                <CustomReference3/>
                <AdultSignature/>
                <Depots>
                        <RequestDepot>211</RequestDepot>
                        <CollectingDepot>211</CollectingDepot>
                        <DeliveryDepot>64</DeliveryDepot>
                        <Route>APC</Route>
                        <IsScottish>false</IsScottish>
                </Depots>
                <Collection>
                        <CompanyName>Alternative Parcels Company Limited</CompanyName>
                        <AddressLine1>National Sortation Centre</AddressLine1>
                        <AddressLine2>Kingswood Lakeside</AddressLine2>
                        <PostalCode>WS11 8LD</PostalCode>
                        <City>Cannock</City>
                        <County/>
                        <CountryCode>GB</CountryCode>
                        <CountryName>United Kingdom</CountryName>
                        <Contact>
                                <PersonName>Daniel Elswood</PersonName>
                                <PhoneNumber>07720709044</PhoneNumber>
                                <Email/>
                        </Contact>
                        <Instructions/>
                </Collection>
                <Delivery>
                        <CompanyName>Some Company Ltd</CompanyName>
                        <AddressLine1>Financial Centre</AddressLine1>
                        <AddressLine2>2 King Stree</AddressLine2>
                        <PostalCode>M17 1WA</PostalCode>
                        <City>Manchester</City>
                        <County/>
                        <CountryCode>GB</CountryCode>
                        <CountryName>United Kingdom</CountryName>
                        <Contact>
                                <PersonName>GARY GRAY</PersonName>
                                <PhoneNumber>07733000000</PhoneNumber>
                                <MobileNumber/>
                                <Email/>
                        </Contact>
                        <Instructions></Instructions>
                </Delivery>
```

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5. Tracking Orders (continued)

GET

B

https://apc.hypaship.com/
api/3.0/**Tracks**?
datefrom=26-03-2023T00:00
&dateto=27-03-2023T23:59
&history=yes

RESPONSE API

RETRIEVING TRACKING RESPONSE

The possible response outcome that you may receive

```xml
<GoodsInfo>
    <GoodsValue>0.00</GoodsValue>
    <GoodsDescription></GoodsDescription>
    <Category>CommercialSamples</Category>
    <Fragile>true</Fragile>
    <Security>false</Security>
    <InsuranceLiability>false</InsuranceLiability>
    <PremiumInsurance>False</PremiumInsurance>
</GoodsInfo>
    <ShipmentDetails>
    <NumberOfPieces>1</NumberOfPieces>
    <TotalWeight>2.00</TotalWeight>
    <Items>
        <Item>
        <ItemNumber>000000000036295184</ItemNumber>
        <TrackingNumber>20230908211688600000004001</TrackingNumber>
        <Type>PACK</Type>
        <Weight>2.000</Weight>
        <Length>10.000</Length>
        <Width>20.000</Width>
        <Height>30.000</Height>
        <Value>1000.00</Value>
        <Reference>None</Reference>
        <Activity>
            <Status>
                <DateTime>07/12/2023 15:06:55</DateTime>
                <Location>N/A</Location>
                <StatusCode>1</StatusCode>
                <StatusDescription>READY TO PRINT</StatusDescription>
                <Comments/>
                <SignedBy/>
            </Status>
        </Activity>
        <Activity>
            <Status>
                <DateTime>07/12/2023 15:10:35</DateTime>
                <Location>N/A</Location>
                <StatusCode>62</StatusCode>
                <StatusDescription>LABEL PRINTED / DONE</StatusDescription>
                <Comments/>
                <SignedBy/>
            </Status>
        </Activity>
        <Activity>
            <Status>
                <DateTime>07/12/2023 18:03:37</DateTime>
                <Location></Location>
                <StatusCode>63</StatusCode>
                <StatusDescription>MANIFESTED</StatusDescription>
                <Comments/>
                <SignedBy/>
            </Status>
        </Activity>
```

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5. Tracking Orders (continued)

XML

B

RETRIEVING TRACKING RESPONSE

The possible response outcome that you may receive

RESPONSE API

```xml
                    <Activity>
                            <Status>
                                    <DateTime>08/12/2023 08:00:00</DateTime>
                                    <Location>Point of Delivery</Location>
                                    <StatusCode>69</StatusCode>
                                    <StatusDescription>AT DELIVERY DEPOT</StatusDescription>
                                    <Comments></Comments>
                                    <SignedBy></SignedBy>
                            </Status>
                    </Activity>
                    <Activity>
                            <Status>
                                    <DateTime>11/12/2023 08:00:00</DateTime>
                                    <Location>Point of Delivery</Location>
                                    <StatusCode>3</StatusCode>
                                    <StatusDescription>DELIVERED</StatusDescription>
                                    <Comments></Comments>
                                    <SignedBy>Gary</SignedBy>
                            </Status>
                    </Activity>
                    </Item>
            </Items>
            </ShipmentDetails>
            </Track>
            <Pagination>
                    <TotalPages>998</TotalPages>
                    <NextPage>2</NextPage>
                    <PreviousPage/>
                    <ItemsPerPage>50</ItemsPerPage>
                    <ItemsTotal>49888</ItemsTotal>
            </Pagination>
</Tracks>
```

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5.2. Activities

The Activity call allows you to send a request to retrieve additional detail associated with a previously retrieved tracking event which has occurred on a handheld device, including geolocation and/or images.

The call can only be used to retrive data about a specific event.

Depending on the type of event, the device used and other factors the content returned by this call may vary.
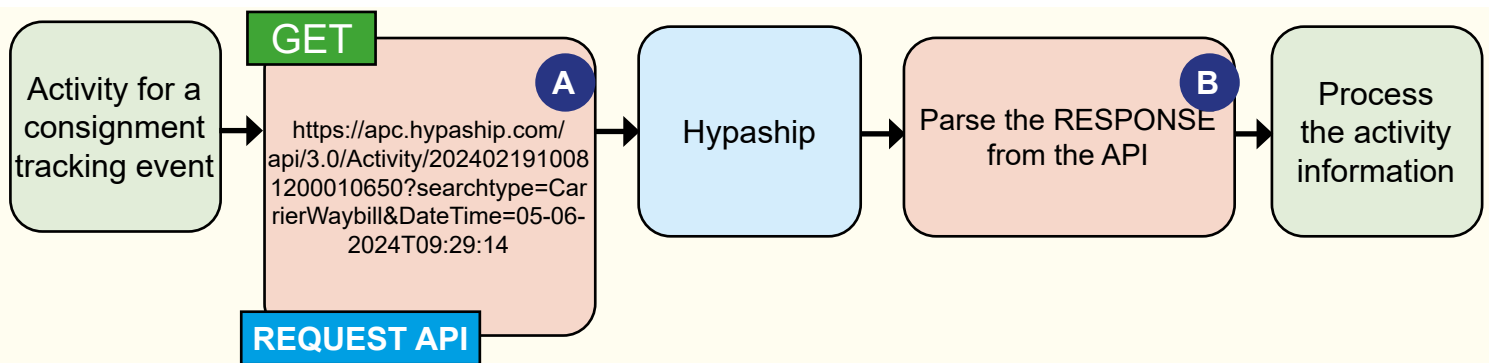
A Making a Get Request API Call

To make the API call, you must have the following configuration

HTTP Method: GET

Headers	Value
remote-user	Basic then followed by your base64 encoded string which is your email:password
Content-Type	application/xml or application/json

Single Order/Consignment Activity

Environments	API Endpoint	Format
Training:	https://apc-training.hypaship.com/api/3.0/Activity/*{OrderNumber/Waybill/Reference/TrackingNumber}&{DateTime=DD-MM-YYYYThh:mm:ss}*	XML
Live:	https://apc.hypaship.com/api/3.0/Activity/*{OrderNumber/Waybill/Reference/TrackingNumber}&{DateTime=DD-MM-YYYYThh:mm:ss}*	XML
Training:	https://apc-training.hypaship.com/api/3.0/Activity/*{OrderNumber/Waybill/Reference/TrackingNumber}*.json*&{DateTime=DD-MM-YYYYThh:mm:ss}*	JSON
Live:	https://apc.hypaship.com/api/3.0/Activity/*{OrderNumber/Waybill/Reference/TrackingNumber}*.json *&{DateTime=DD-MM-YYYYThh:mm:ss}*	JSON

5. Tracking Orders (continued)

GET

https://apc.hypaship.com/
api/3.0/Activity/
2024021910081200010650?
searchtype=CarrierWaybill&
DateTime=05-06-2024T09:29:14

REQUEST API

A

RETRIEVING ACTIVITY INFO

Use the consignment number or order number
with the activities endpoint

Query Fields

Usage

XML: https://apc.hypaship.com/api/3.0/Activity/*{consignment/reference/order/item}*/*{query fields}*
JSON: https://apc.hypaship.com/api/3.0/Activity/*{consignment/reference/order/item}*.json?*{query fields}*

Parameter	Example	Description
searchtype (Mandatory)	*searchtype=CarrierWaybill searchtype=Reference searchtype=OrderNumber searchtype=TrackingNumber*	Which order number or reference is being used. Can be 'CarrierWaybill' (22 digit APC consignment number), 'Reference' (shipper order reference) or 'OrderNumber' (18 digit order reference eg 000000000007004519) Where an activity related to a specific item of a multipart consignment is required the TrackingNumber searchtype should be used (see note below.)
DateTime (Mandatory)	*DateTime= 05-06-2024T09:29:14*	The date and time that the event occurred. This information would previously have been returned by the Tracks API call. Note that in most software the colon in the time will be encoded as &3A, but is shown in this document as : for readability.

NOTES

The above parameters are both mandatory for this call. The Datetime field can be obtained by looking at the DateTime value in the response to a previously made Tracks call.

Where an activity related to a specific item of a multipart consignment is required the TrackingNumber searchtype should be used. This is the 22 digit number followed by the item number as a 3 digit string eg 2024021910081200010650001.

It is not possible to request multiple activities in a single call.

5. Tracking Orders (continued)

JSON

GET

B

https://apc.hypaship.com/
api/3.0/Activity/
2024021910081200010650.json?
searchtype=CarrierWaybill&
DateTime=05-06-2024T09:29:14

RESPONSE API

RETRIEVING ACTIVITY RESPONSE

The possible response outcome that you may receive

```
{
        "Activity": {
                "Item": {
                        "ItemNumber": "000000002653755407",
                        "TrackingNumber": "2024021910081200010650001",
                        "Status": {
                                "DateTime": "05-06-2024T09:29:14",
                                "StatusCode": "3",
                                "StatusDescription": "DELIVERED",
                                "Comments": "",
                                "SignedBy": "Wilkinson",
                                "Pod": {
                                        "Format": "png",                        Signature image
                                        "Content": "iVBORw0KGgoAAAANSUhEUg ... lFTkSuQmCC"
                                },
                                "StatusImage": {
                                        "Format": "jpeg",                       Photograph
                                        "Content": "/9j/4AAQSkZJRgABAQAAAQ ... 5QVUf/2Q=="
                                },
                                "GPSLocation": {       Where no image is     GPS location
                                        "Latitude": "52.672704",  available
                                        "Longitude": " -2.000756"
                                }
                        }
                }
        }
}
```

NOTES ON ACTIVITY RESPONSE DATA

The POD (signature), StatusImage (photograph) and GPS location fields are available where a collection or delivery has been carried out on a handheld device.

The signature and photograph data is returned as encoded Base64, and will need to be decoded to be viewed.

At the time of writing signatures are not being caputured, but may be reintroduced for specific services at a later date. For now, a "Not available" image is returned.

Photographs may be redacted if they contain faces or certain other content. In this case a "Not available" image is returned, as can be seen when viewing the tracking on screen.

GPS locations may be subject to inaccuracy, particularly when the location captured is close to large or overhead structures.

5. Tracking Orders (continued)

XML

GET

B

https://apc.hypaship.com/
api/3.0/Activity/
20240219100812000010650?
searchtype=CarrierWaybill&
DateTime=05-06-2024T09:29:14

RESPONSE API

RETRIEVING ACTIVITY RESPONSE

The possible response outcome that you may receive

```xml
<?xml version="1.0" encoding="UTF-8" ?>
<Activity>
        <Item>
                <ItemNumber>000000002653755407</ItemNumber>
                <TrackingNumber>20240219100812000010650001</TrackingNumber>
                <Status>
                        <DateTime>05-06-2024T09:29:14</DateTime>
                        <StatusCode>3</StatusCode>
                        <StatusDescription>DELIVERED</StatusDescription>
                        <Comments></Comments>
                        <SignedBy>wilkinson</SignedBy>
                        <Pod>
                                <Format>png</Format>                    Signature image
                                <Content>iVBORw0KGgoAAAANSUhEUg...IFTkSuQmCC</Content>
                        </Pod>
                        <StatusImage>
                                <Format>jpeg</Format>                   Photograph
                                <Content>/9j/4AAQSkZJRgABAQAAAQ...5QVUf/2Q==</Content>
                        </StatusImage>
                        <GPSLocation>
                                <Latitude>52.672704</Latitude>          GPS location
                                <Longitude>-2.000756</Longitude>
                        </GPSLocation>
                </Status>
        </Item>
</Activity>
```

NOTES ON ACTIVITY RESPONSE DATA

The POD (signature), StatusImage (photograph) and GPS location fields are available where a collection or delivery has been carried out on a handheld device.

The signature and photograph data is returned as encoded Base64, and will need to be decoded to be viewed.

At the time of writing signatures are not being caputured, but may be reintroduced for specific services at a later date. For now, a "Not available" image is returned.

Photographs may be redacted if they contain faces or certain other content. In this case a "Not available" image is returned, as can be seen when viewing the tracking on screen.

GPS locations may be subject to inaccuracy, particularly when the location captured is close to large or overhead structures.
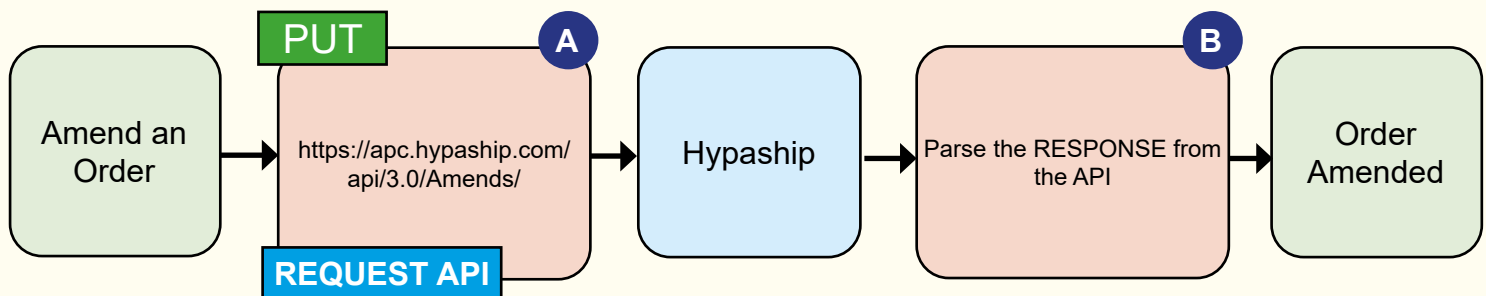
6. Amending Orders

6. Amending Orders

Users can amend orders with the API up until the point that the order is manifested. Once an order is manifested it cannot be amended.

A Making the PUT Request API Call

To make the API call, you must have the following configuration

HTTP Method: PUT

Headers	Value
remote-user	Basic then followed by your base64 encoded string which is your email:password
Content-Type	application/xml or application/json

Environments	API Endpoint	Format
Training:	*https://apc-training.hypaship.com/api/3.0/Amends/*	XML
Live	*https://apc.hypaship.com/api/3.0/Amends/*	XML
Training	*https://apc-training.hypaship.com/api/3.0/Amends*.json	JSON
Live:	*https://apc.hypaship.com/api/3.0/*Amends.json	JSON

6. Amending Orders (continued)

The body of the request should contain the 22-digit waybill number for the consignment(s) to be amended. Other than this, only the fields to be amended need to be provided. Any field which can be edited on screen may be amended in this way.

PUT **A**

https://apc.hypaship.com/api/3.0/Amends

AMENDS REQUEST

REQUEST API

RESPONSE API

JSON

```json
{
"Orders": {
    "Order": {
        "Waybill": 2023083105323160008423",
        "ProductCode": "ND10",
        "Delivery": {
            "Safeplace": "Allowed"
        }
    }
}
}
```

```json
{
  "Orders": {
    "Order": {
        "Code": "Success",
        "OrderNumber": "000000002037269139",
        "WayBill": "2023083105323160008423",
        "Description": "Updated"
    }
  }
}
```

XML

```xml
<Orders>
  <Order>
   <Waybill>2023083105323160008423</Waybill>
   <CollectionDate>05/10/2023</CollectionDate>
   <Delivery>
    <Contact>
     <PhoneNumber>01922702500</PhoneNumber>
    </Contact>
   </CollectionDate>
  </Order>
</Orders>
```

```xml
<Orders>
  <Order>
   <Code>Success</Code>
   <OrderNumber>000000002037269281
      </OrderNumber>
   <WayBill>2023100205323160008865
      </WayBill>
   <Description>Updated</Description>
  </Order>
</Orders>
```

Note that up to 20 consignments can be amended in one call, but if one fails then the processing will stop and an error message will be returned. Those already processed will not be reverted, so it is generally advisable to make one consignment amendment at a time.
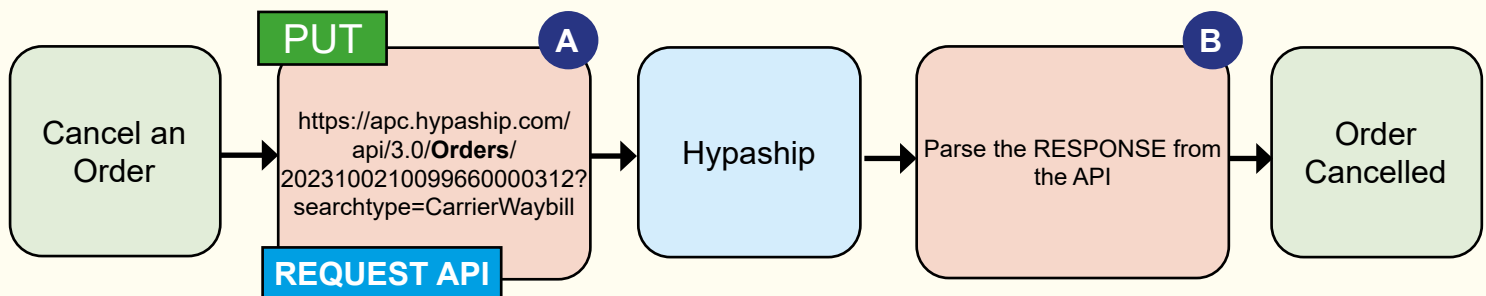
7. Cancelling Orders

7. Canceling Orders

Users can cancel orders created with the API up until the point that the order is manifested. Once an order is manifested it cannot be cancelled.

A   Making a Put Request API Call

To make the API call, you must have the following configuration

HTTP Method: PUT

Headers	Value
remote-user	Basic then followed by your base64 encoded string which is your email:password
Content-Type	application/xml or application/json

Environments	API Endpoint	Format
Training:	*https://apc-training.hypaship.com/api/3.0/Orders/ {OrderNumber/Waybill/Reference}*	XML
Live	*https://apc.hypaship.com/api/3.0/Orders/{OrderNumber/ Waybill/Reference}*	XML
Training	*https://apc-training.hypaship.com/api/3.0/Orders/ {OrderNumber/Waybill/Reference}*.json	JSON
Live:	*https://apc.hypaship.com/api/3.0/Orders/{OrderNumber/ Waybill/Reference}*.json	JSON

7. Canceling Orders (continued)

PUT **A**

https://apc.hypaship.com/
api/3.0/**Orders**/
20231002100996660000312?
searchtype=CarrierWaybill

CANCELING REQUEST

Specifying the consignment order/number and Query parameters

REQUEST API

JSON

```json
{
    "CancelOrder": {
        "Order": {
            "Status": "CANCELLED"
        }
    }
}
```

XML

```xml
<CancelOrder>
        <Order>
                <Status>CANCELLED</Status>
        </Order>
</CancelOrder>
```

RESPONSE API

```xml
<?xml version='1.0' encoding='UTF-8' standalone='no'?>
<CancelOrder>
        <AccountNumber>AN01</AccountNumber>
        <Messages>
                <Code>121</Code>
                <Description>
                        Order Cancelled
                </Description>
        </Messages>
</CancelOrder>
```

8. Orders to Non-GB Addresses

8. Orders to Non-GB Addresses

8.1. Overview

When booking consignments to Northern Ireland, the Channel Islands, Isle of Man or any non-United Kingdom destination, additional information will be required. If this is not provided the booking will be rejected.

8.2. Additional fields

8.2.1 EORI number
Collection and Delivery addresses both now contain fields for the new EORI (Economic Operators Registration and Identification) number. This is required for consignments sent from/to businesses but not personal addresses. Accordingly, and because the application cannot distinguish between private and business addresses, the field is not mandatory on the system.

Note that if a consignment requiring an EORI number is sent without it, it may be held by customs.

8.2.2 Type of Export

Should be one of the following
• Sale
• Warranty replacement
• Warranty repair
• Return item

8.2.3 Terms of Sale

Should be one of the following
• DDU
• DDP

8.2.4 Duty Items section
Contains the details of the contents of each package in the consignment. Each package is described witin a Duty Item. Where a single package contains more than one item additional Duty Items may be added.

8.2.4.1 Description - description of the product. Unvalidated free text field.
8.2.4.2 HTS Code - The "Harmonised Tariff Schedule" is a globally recognised classification standard for products.
8.2.4.3 Origin Country - Where the product was manufactured.
8.2.4.4 Units - Number of items of this type in the package
8.2.4.5 Unit Value - The value of each item.

8. Orders to Non-GB Addresses (continued)

POST

https://apc.hypaship.com/api/3.0/
Orders

REQUEST API

PLACING AN ORDER XML REQUEST

Note that only the additional fields needed for Non-GB Addresses are shown, in their correct position within the order.

```xml
<Orders>
        <Order>


                <Collection>
                        <EORINumber>GB112211221122</EORINumber>
                </Collection>


                <Delivery>
                        <EORINumber>GB556655665566</EORINumber>
                </Delivery>


                <GoodsInfo>
                        <TermsOfSale>DDU</TermsOfSale>
                        <TypeOfExport>SALE</TypeOfExport>
                </GoodsInfo>


                <ShipmentDetails>
                        <Items>
                                <Item>
                                        <DutyItems>
                                                <DutyItem>
                                                        <Description>Roses</Description>
                                                        <HTSCode>0602400010</HTSCode>
                                                        <OriginCountry>GB</OriginCountry>
                                                        <Units>1</Units>
                                                        <UnitValue>27.00</UnitValue>
                                                </DutyItem>
                                                <DutyItem>
                                                        <Description>Roses</Description>
                                                        <HTSCode>0602400010</HTSCode>
                                                        <OriginCountry>GB</OriginCountry>
                                                        <Units>1</Units>
                                                        <UnitValue>27.00</UnitValue>
                                                </DutyItem>
                                        </DutyItems>
                                </Item>
                        </     >
                </ShipmentDetails>


        </Order>
</Orders>
```

8. Orders to Non-GB Addresses (continued)

JSON

POST

https://apc.hypaship.com/api/3.0/
Orders.json

REQUEST API

PLACING AN ORDER JSON REQUEST

Note that only the additional fields needed for Non-GB Addresses are shown, in their correct position within the order.

```json
{
        "Orders": {
                "Order": {

                        "Collection": {
                                "EORINumber": "GB112211221122"
                        },

                        "Delivery": {
                                "EORINumber": "GB556655665566"
                        },

                        "GoodsInfo": {
                                "TermsOfSale": "DDU",
                                "TypeOfExport": "SALE"
                        },

                        "ShipmentDetails": {
                                "Items": {
                                        "Item": {
                                                "DutyItems": {
                                                        "DutyItem": {
                                                                "Description": "FIRST AID BOOKS",
                                                                "HTSCode": "49011000",
                                                                "OriginCountry": "GB",
                                                                "Units": "10",
                                                                "UnitValue": "15.00"
                                                        },
                                                        {
                                                                "Description": "PPE",
                                                                "HTSCode": "39269097",
                                                                "OriginCountry": "GB",
                                                                "Units": "2",
                                                                "UnitValue": "60.00"
                                                        }
                                                }
                                        }
                                }
                        }

                }
        }
}
```

8. Orders to Non-GB Addresses (continued)

JSON

POST

https://apc.hypaship.com/api/3.0/
Orders.json

REQUEST API

PLACING AN ORDER JSON REQUEST

Note that only the additional fields needed for Non-GB Addresses are shown, in their correct position within the order.

```json
{
        "Orders": {
                "Order": {

                        "Collection": {
                                "EORINumber": "GB112211221122"
                        },


                        "Delivery": {
                                "EORINumber": "GB556655665566"
                        },


                        "GoodsInfo": {
                                "TermsOfSale": "DDU",
                                "TypeOfExport": "SALE"
                        },


                        "ShipmentDetails": {
                                "Items": {
                                        "Item": {
                                                "DutyItems": {
                                                        "DutyItem": {
                                                                "Description": "FIRST AID BOOKS",
                                                                "HTSCode": "49011000",
                                                                "OriginCountry": "GB",
                                                                "Units": "10",
                                                                "UnitValue": "15.00"
                                                        },
                                                        {
                                                                "Description": "PPE",
                                                                "HTSCode": "39269097",
                                                                "OriginCountry": "GB",
                                                                "Units": "2",
                                                                "UnitValue": "60.00"
                                                        }
                                                }
                                        }
                                }
                        }

                }
        }
}
```

8. Orders to Non-GB Addresses (continued)

8.3. International destinations

APC does not provide an international service, but customers may be able to use selected non-APC services to book consigments to International destinations, which will then be passed to another carrier. Customers should speak with their depot to confirm which, if any, international services are available to them.

A specific integration has been introduced in June 2024 to allow international bookings to be made to **DHL** through the APC Hypaship booking platform, both on screen and via the API. See section 8.3.2.

8.3.1 Changes to the booking process for international destinations, April 2024

Two changes were made to the process of booking international consignments, to better support depots who wish to offer this capability and integrate with third party carriers, without needing to rekey data.

8.3.1.1 Postcode/zipcode support

Bookings to international destinations should use the correct postcode/zipcode for the selected country. Basic validation is provided to ensure that the supplied postcode uses the correct syntax.

Full validation is NOT provided i.e only the format of the postcode will be checked (whether the numbers/letters provided match the pattern used in that country) not whether that postcode exists or correlates to the supplied address.

The legacy method used by some customers to book international consignments using the dummy value "INT" in place of a postcode/zipcode will be retained for an interim period whilst integrators update their applications, but will be deprecated in a subsequent release. The use of INT is not supported when booking to DHL.

8.3.1.2 change to mandatory fields

A further change is being made, again to improve the opportunity to integrate to third party carrier APIs without manual intervention. The following fields will become mandatory, **for international destinations only**, and will no longer be configurable by depots as part of the account setting, as previously.

*   Delivery contact name
*   Delivery phone
*   Dimensions

If these are not provided the booking will be rejected.

8. Orders to Non-GB Addresses (continued)

8.3.2 DHL Express International bookings, from June 2024

Your depot will have information about the availability of DHL International Express services from your area. A list of services is available in section 3 of this guide.

8.3.2.1 Supported booking types

DHL International Express services are only available for consignments originating at the customer premises and being exported from the UK.They are not available for consignments travelling to the UK from an international location, or travelling between two international destinations.

8.3.2.2 Booking process

Bookings to DHL are handled as a two-stage process, intiially into the APC Hypaship booking platform and from there to DHL.

The initial process is exactly the same as for any other consignment, subject to all required fields being supplied (see previous pages in this section.) A full valid postcode must be provided. the legacy use of INT is not supported. Validation of the submitted data is done within the APC Hypaship booking platform. If an error is identified, the response will indicate this in the usual way.

If internal validation succeeds, the system makes a second API call to DHL to book the consignment. The response from DHL will contain the label (if the booking is valid) and this can be retrieved in the usual way, by using the API.

If the secondary call to DHL fails validation, it will generally only become apparent to an API user because no label is returned, as the consignment will exist and be valid within the APC Hypaship booking platform. Failed bookings at this stage will generally this will be a DHL account settings issue. Please contact your depot or the APC IT Service Desk if this occurs.

8.3.2.3 Amending or cancelling DHL bookings

If a consignment is amended, it will be resubmitted to DHL and treated as a new booking. This means that the waybill number and tracking details will change. DHL only treat an order as live when it has been physically scanned into their network.

It is imperative that original labels are removed and destroyed, that the new ones are attached after a consignment has been edited. Failure to do this will result in incorrect information being passed to DHL and Customs, and is very likely to cause additional cost and delays.

If the International booking is no longer required it should be cancelled in the usual way.

8.3.2.4 Tracking

Tracking of DHL bookings after manifesting cannot be done via the Tracks API at this time. DHL provide their own API for tracking of international consignments, should this be required.

9. Safeplace option

9. Safeplace option

9.1. Overview

In October 2023 APC introduced an option for shipping customers to allow the consignee to request a consignment to be left safely. New flags were introduced to allow these choices to be made on screen, with file uploads, or via the API. At the same time, the manual process of using the special instructions field to define leave safe preferences was deprecated.

The options available when booking are Allowed, Not Allowed or Consignee Choice. Customers will be able to specify a leave safe default on the My Account screen in the application and if no other changes are made to customer integrations, that preference will be applied to bookings made after that time, by any method.

The default may be overridden for individual consignments, as described below.

9.2. Field description

The new "Safeplace" field is available when booking or retrieving orders. The field appears in the Delivery section of the order, after "Instructions."

It should be used if there is a need to override the default setting for the account on specific consignments. It will be returned in all responses.

Note: the options used by the API remove the spaces from the descriptive names i.e. "NotAllowed" and "ConsigneeChoice" as per the extract of a JSON booking given below.

```json
{
        "Orders": {
                "Order": {
                        .......

                        "Delivery": {
                            "CompanyName": "The Big Company Ltd",
                            "AddressLine1": "Big Company House",
                            "AddressLine2": "177 Big Street",
                            "PostalCode": "M17 1WA",
                            "City": "Sale",
                            "County": "Cheshire",
                            "CountryCode": "GB",
                               "Contact": {
                                    "PersonName": "Jack Jones",
                                    "PhoneNumber": "0800 0280000",
                                    "MobileNumber": "07785 476095",
                                    "Email": "name@example.com"
                                    },
                            "Instructions": "Leave with neighbour",
                            "Safeplace": "NotAllowed"          ••••••        Order/Delivery/Safeplace
                        },
                        .......
```

10. Troubleshooting

10 Troubleshooting

10.1. Authentication

10.1.1. Please test your credentials via the website

Environments	Credentials for API	Website
Training:	https://apc-training.hypaship.com/api/3.0/	https://apc-training.hypaship.com
Live:	https://apc.hypaship.com/api/3.0/	https://apc.hypaship.com

We use shared credentials between the API's and the website so the user logins can be simply tested by trying to log in to each of the domains as required. Please note credentials are not shared between training and live enviroments. If you can not login, then please contact your depot.

10.1.2. Authentication Failed Error Response - Check your Base64.

Sample Process

Username: fred@bigcompany.com
Password: Pa$$w0rd

Set As

fred@bigcompany.com:Pa$$w0rd

Encode to Base64 (https://www.base64encode.org/)

ZnJlZEBiaWdjb21wYW55LmNvbTpQYSQkdzByZA==

Set Header to

remote-user: **Basic ZnJlZEBiaWdjb21wYW55LmNvbTpQYSQkdzByZA==**

Content-Type: **application/json** or **application/xml**

10.1.3. TLS Issue

We use AWS servers to provide the backbone of our connection with fluid IP addresses so any whitelisting required would need to be based on the domains used (apc.hypaship.com & apc-training.hypaship.com).

Please note that our servers require TLS 1.2. If your environment is .Net then please use TLS 1.2 available with .Net 4.5 or, alternatively, your code might need to add something like the following depending on the version you are using.

.NET 4.5. ServicePointManager.SecurityProtocol = SecurityProtocolType.Tls12;
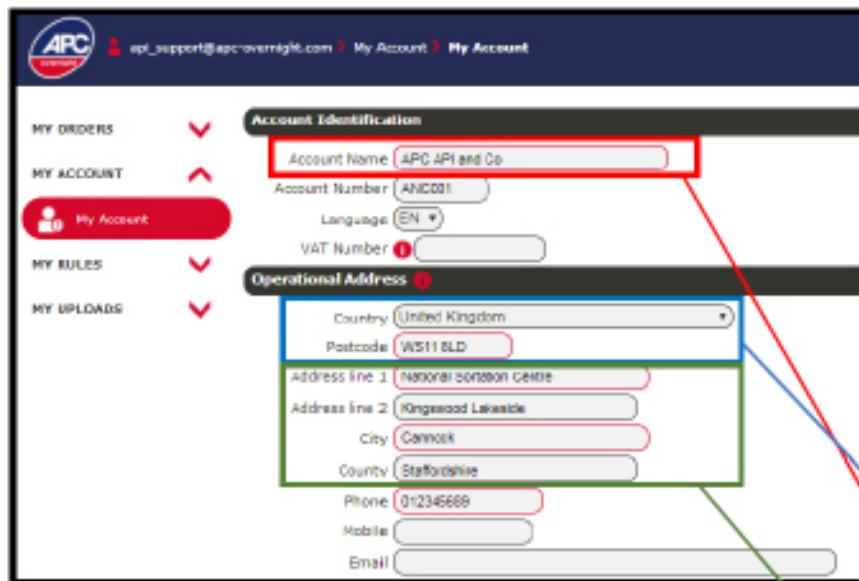**.NET 4.0. ServicePointManager.SecurityProtocol = (SecurityProtocolType)3072;**

Note: For .NET 3.5. & earlier please upgrade your application to a more recent version of the framework.

10. Troubleshooting (continued)

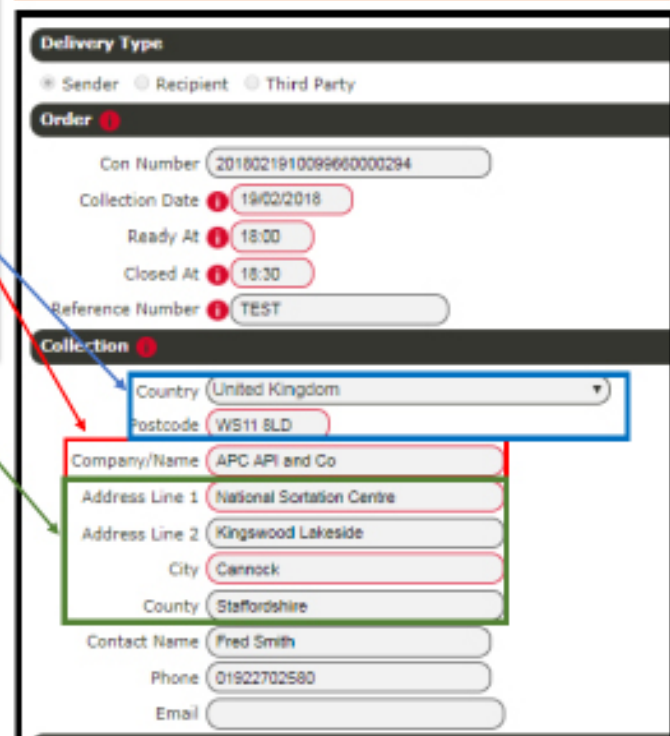## 10.2. Unintended Third Party PUR Issue

Third parties PURs occur when your collection details do not **exactly** match the operational address on the APC Hypaship booking platform. Collection details may be omitted from the call if collection is from the operational address. They will be populated

Note: PUR consignments must be booked by 20:00 to be collected the next working weekday. No same day collection PUR service is offered.

When you login through the APC Hypaship booking platform, every submitted order is marked with the following options:

Type	Credentials for API	Website
Sender:	Collection (From):	Operational Address with Company Name therefore the Pick-Up Address
	Delivery (To):	Any other address
Recipient:	Collection (From):	Any Pick-Up Address but NOT Operational Address with Company Name
	Delivery (To):	Operational Address with Company Name
Third Party:	Collection (From):	Any Pick-Up Address but NOT Operational Address with Company Name
	Delivery (To):	Any Delivery Address

10. Troubleshooting (continued)

10.3. Field Criteria

Collection & Delivery Address Details
If no Collection Address is specified the system will use Operational Address of Account

Company Name - less than 35 characters *
Address Line 1 - less than 64 characters
Address Line 2 - less than 64 characters

> All address lines are truncated at 30 characters on the printed label.

City - less than 32 characters *
County - less than 32 characters
CountryCode - two-letter country code defined in ISO 3166 *
Post Code – Must be valid postcode *
PersonName - less than 64 characters
Telephone - 0-9 ( ) + - Space Minimum 6 characters, Maximum 15 characters
Mobile - begins with 07, +447 or 00447 followed by 9 digits/dashes/spaces
Email – valid email format, less than 64 characters
Safeplace - must be one of Allowed, NotAllowed, ConsigneeChoice, if provided.

Order Details
ProductCode – Uppercase, must be valid service code, if not supplied the application will choose best service
Reference - less than 35 characters
Weight (kg) - decimal, min 0.01kg, maximum depends on tariff *
Height, Width, Length (cms) – integer, maximum depends on tariff,
GoodsDescription - less than 64 characters
Instructions - less than 64 characters
NumberOfPieces – integer, minimum 1 *
ReadyAt - must be earlier than the ClosedAt time - if not provided will use Open hours on Account *
ClosedAt - must be later than the ReadyAt time - if not provided will use Closed hours on Account *

* MANDATORY

10. Troubleshooting (continued)

10.4. API Status Codes

1	READY TO PRINT		98	COLLECTED/PICKED UP
2	OUT FOR DELIVERY		99	LEFT WITH NEIGHBOUR
3	DELIVERED		100	UPDATED /RESOLVED
44	RETURN TO SENDER		101	NOT UPDATED/RESOLVED
62	LABEL PRINTED		102	RETURN TO DEPOT
63	MANIFESTED		110	ENROUTE
69	AT DELIVERY DEPOT		112	RETURN
70	AT HUB		113	BARCODE INFORMATION SCAN
71	AT SENDING DEPOT		114	SCAN TO ROUTE
72	BOOK IN REQUIRED		115	PUR Confirmed
73	CHECK ADDRESS		116	Collection address incorrect
74	COLLECTED FROM DEPOT		117	Collection not ready
75	CUSTOMER RE-ARRANGED		118	Collection not required
76	CLOSED / CARDED		119	No-one present at collection
77	DAMAGED		121	DEPOT SORT SCAN
79	INTERCOM - NO ACCESS		122	Failsafe Scan
80	INCOMPLETE		123	MISSCAN
81	LEFT AS INSTRUCTED		125	PUR Not Required
83	NOT RECEIVED ON TRUNK		126	MISSORT
84	NOT RECEIVED IN DEPOT		145	SCAN TO DEPOT
85	PLANNED - NOT ATTEMPTED		149	DISPOSED OF
86	QUEUE		150	HELD AWAITING COLLECTION
88	VEHICLE BREAKDOWN		151	Parcelly Cancelled Consignment
89	DELAYED BY WEATHER		152	Parcelly Failure - Returned
92	ORDER CREATED		153	Parcelly Re-direct
93	AT DEPOT		154	Parcelly Ready for Collection
94	AT HUB - SECURITY		155	Parcelly Time-out
95	HELD AT DEPOT		156	Parcelly Customer Collected
96	CUSTOMER REFUSED			
97	CANCELLED			

Additional statuses may be added from time to time, as system features are expanded.

This list applies to the live system. Some training system status codes vary.

Additional codes are available to Depot level users.

10.5. API Errors

114 - WRONG XML STRING error message

Can be caused by unacceptable characters within the XML/JSON.

105 - CREATION FAILED

Usually returned at the ORDER level with further error message for ORDERS level - eg ProductCode (XXXX) is not one of the possible options

104 Error

Data received not as expected (ie Type "all" should be "ALL")

102 - PARTIAL CREATION SUCCESS

Can be returned when multiple orders are created with one call but one or more parts have failed. The rest of the orders will have been created succesfully.

The system has experienced an unexpected error

Possible cause - missing elements within the XML/JSON ie Dimension Tags must be included even if blank

What if the order has been cancelled or modified?

Orders that have been cancelled will be assigned a status of Cancelled. Once this status has been applied the order can no longer be edited or manifested. This will be shown as a status when requesting tracking info.

Why am I getting 'NO TRACK FOUND'?

The order is not found within your account. Check that you are specifying the correct searchtype, as per example: https://apc.hypaship.com/api/3.0/Tracks/20230912100194300015130?searchtype=CarrierWaybill

Why am I getting 'WRONG PARAM NAME'?

When the user misspells "searchtype" or another parameter. Can also be caused by malformed headers.

Why am I getting 'WRONG SEARCH TYPE NAME'?

When the user misspells the value supplied with a parameter.

Why am I getting 'MORE THAN ONE PARAM'?

When the user inputs duplicate parameters

10. Troubleshooting (continued)

10.6. JSON arrays

A issue exists with the JSON API which will affect users integrating to the platform. The v3 API was initially developed in XML and v3 API responses are provided via an XML to JSON translation. This can be problematic for any fields which may return one or more values as the field may or may not be returned as an array.
Code extracts are given below showing the items section of an order response when booking a consignment with 1 or 2 items:

```json
"ShipmentDetails": {
    "NumberOfPieces": "1",
    "TotalWeight": "1",
    "VolumetricWeight": "1.96",
    "Items": {
        "Item": {
            "ItemNumber": "000000000149567219",
            "TrackingNumber": "20231013053323169000225001",
            "Type": "PARCEL",
            "Weight": "1.000",
            "Length": "32.000",
            "Width": "23.000",
            "Height": "16.000",
            "Value": "200",
            "Reference": "PartA"
        }
    }
},
```

```json
"ShipmentDetails": {
    "NumberOfPieces": "2",
    "TotalWeight": "15.00",
    "VolumetricWeight": "0.00",
    "Items": {
        "Item": [
            {
                "ItemNumber": "000000002037358239",
                "TrackingNumber": "20231102053323160009727001",
                "Type": "PARCEL",
                "Weight": "10.000",
                "Length": "0.000",
                "Width": "0.000",
                "Height": "0.000",
                "Value": "0.00",
                "Reference": null
            },
            {
                "ItemNumber": "000000002037358248",
                "TrackingNumber": "20231102053323160009727002",
                "Type": "PARCEL",
                "Weight": "5.000",
                "Length": "0.000",
                "Width": "0.000",
                "Height": "0.000",
                "Value": "0.00",
                "Reference": null
            }
        ]
    }
},
```

Array is included in the response where the element contains multiple values

This issue will be resolved in the upcoming v4 API, which will be natively JSON but in the interim will need to be handled in code.

11 Support

This guide is regularly updated to reflect new features introduced to the API or where a significant change of business process has occurred. The latest copy of this document may be downloaded at any time by using the following link:

https://apc-overnight.com/files/uploads/APC_Overnight_API_Integration_Guide.pdf

If you are having problems when using the API and are unable to find the answer to your question within this document, a support ticket may be raised by sending an email to
itservicedesk@apc-overnight.com

Please include as much relevant information as you can about the problem you are experiencing, including examples of the XML/JSON if appropriate and the username you log in with. Also please confirm whether you are using the live or training system.

A ticket will be raised on our system and a member of the team will respond as quicky as we can.

Please note that we cannot assist with questions related to development langugages, though do have some examples of certain calls in C, PHP and VB. These were developed by a third party and so are provided on an as-is basis.