

API v3 Integration Guide

New Horizon

Edition 2.0.4



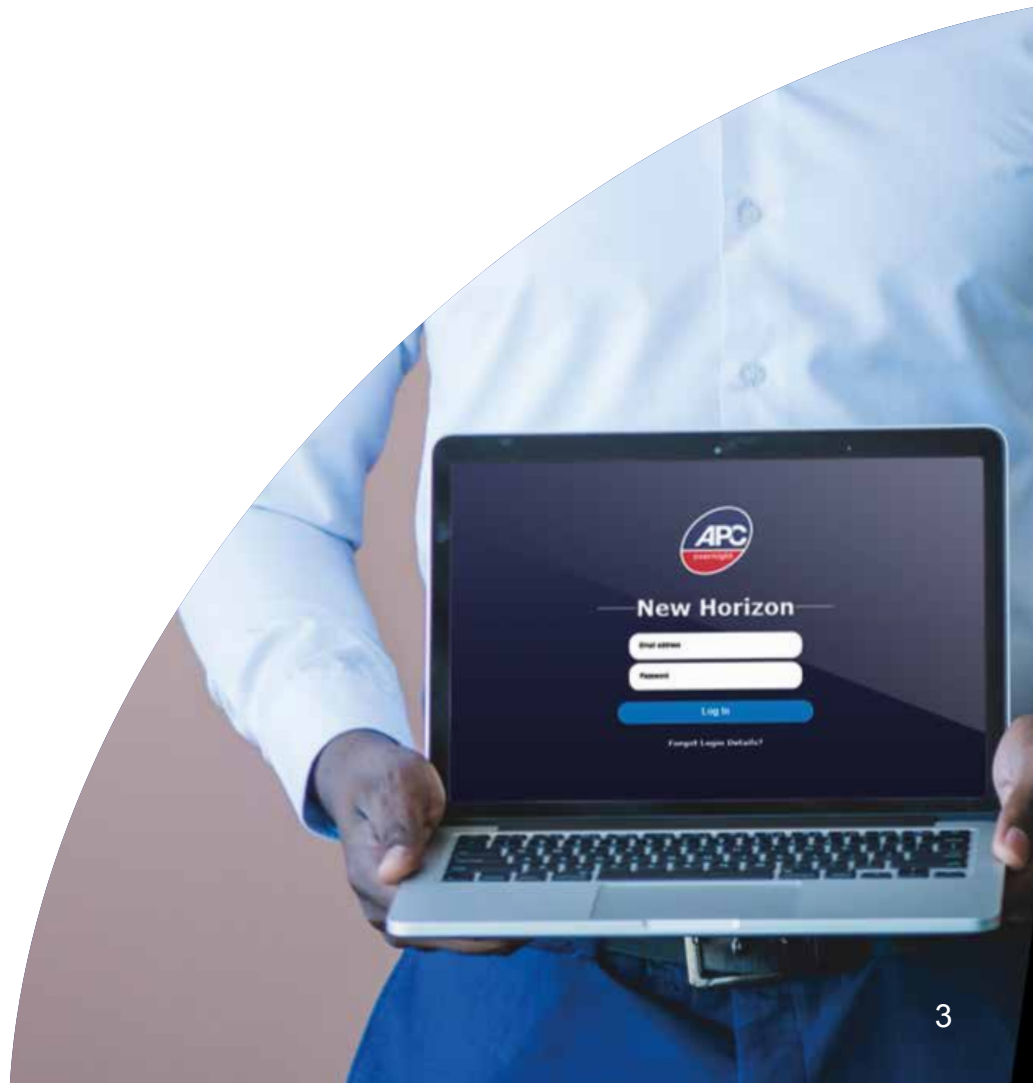


1. Introduction
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3. Checking Service Availability
4. Placing Orders and Retrieving Labels
5. Tracking Orders
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7. Troubleshooting
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1. Introduction



1. Introduction

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

The Portal

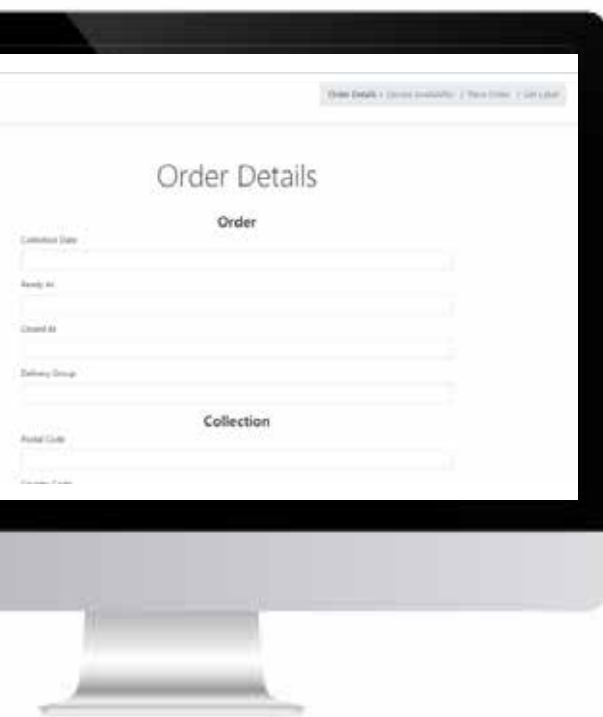
We advise that you familiarise yourself with the New Horizon portal at **<https://apc-training.hypaship.com>** and generate orders. This will allow you to understand how the New Horizon platform functions, therefore gain better understanding on how the API process operates. If you can not access the Training portal then please contact your local depot or the CMS Team on Tel 01922 702587.

The Environments

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

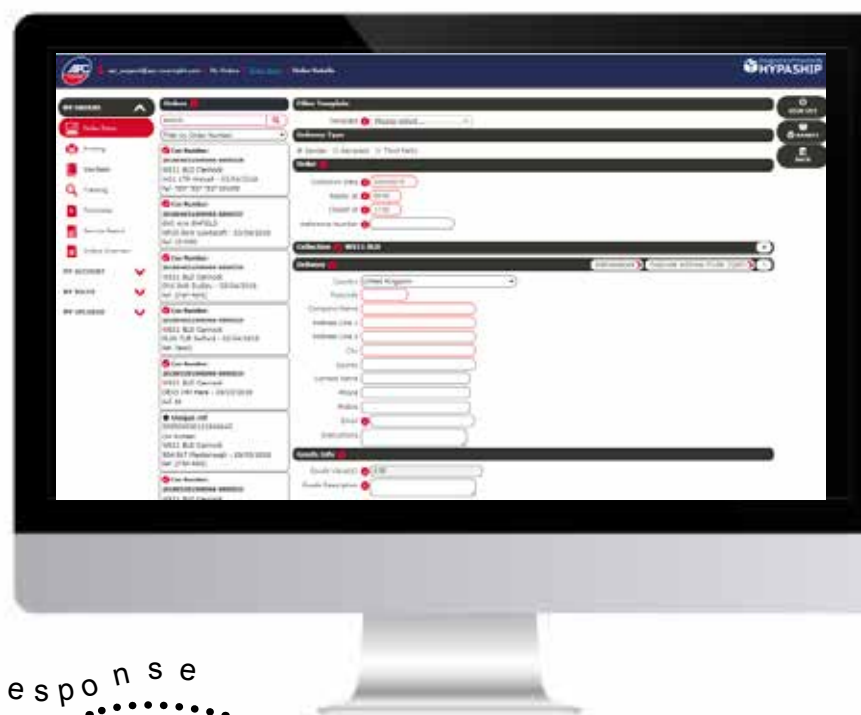
Environments	API	Website Portal
Training:	https://apc-training.hypaship.com/api/3.0/	https://apc-training.hypaship.com
Live:	https://apc.hypaship.com/api/3.0/	https://apc.hypaship.com

Please Note: all URL's are case sensitive



Customer Application

Request



New Horizon

Response

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/>

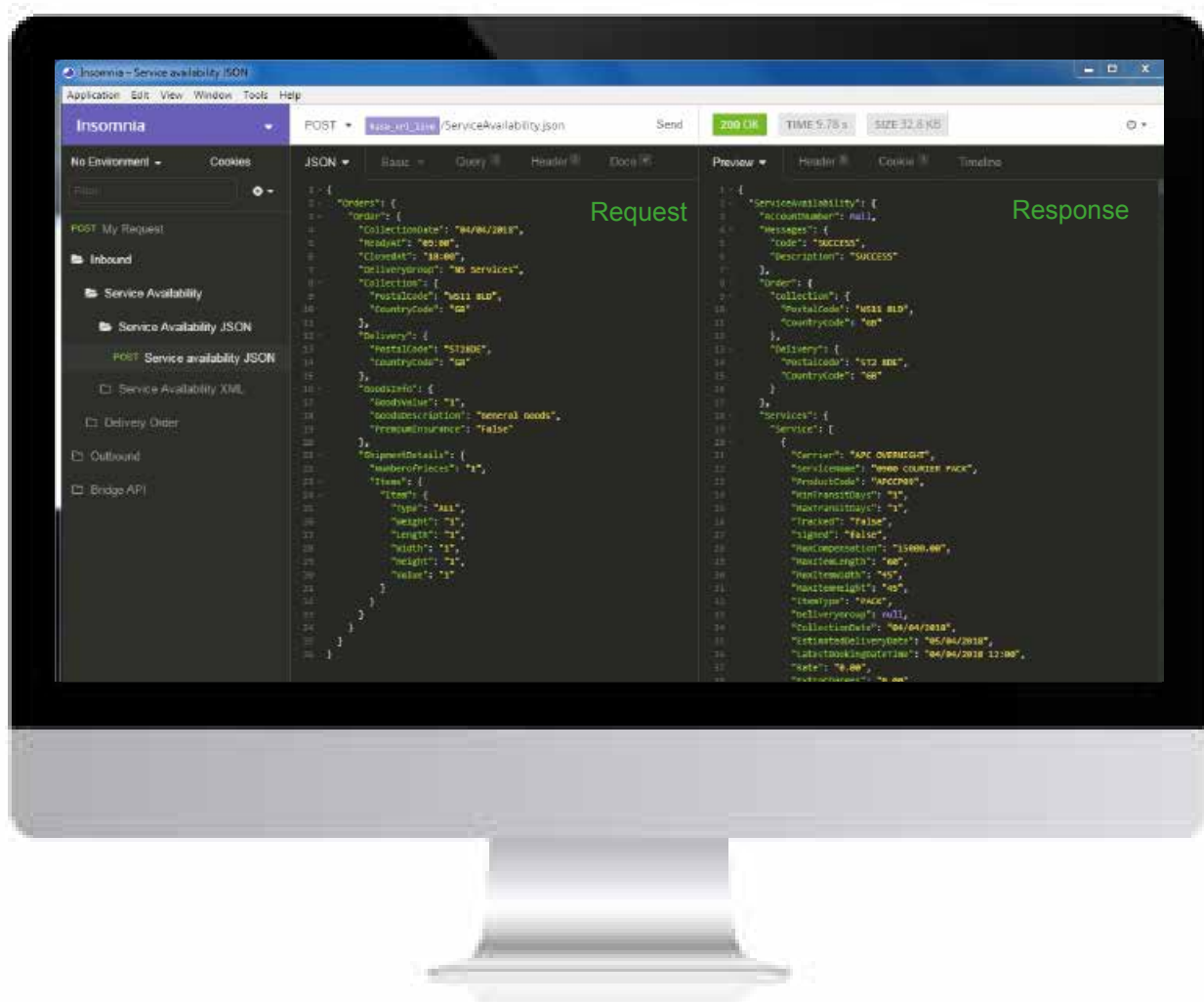
Price: Free



Insomnia REST Client

URL: <https://insomnia.rest/>

Price: Free



Insomnia Rest Client



2. API Workflow



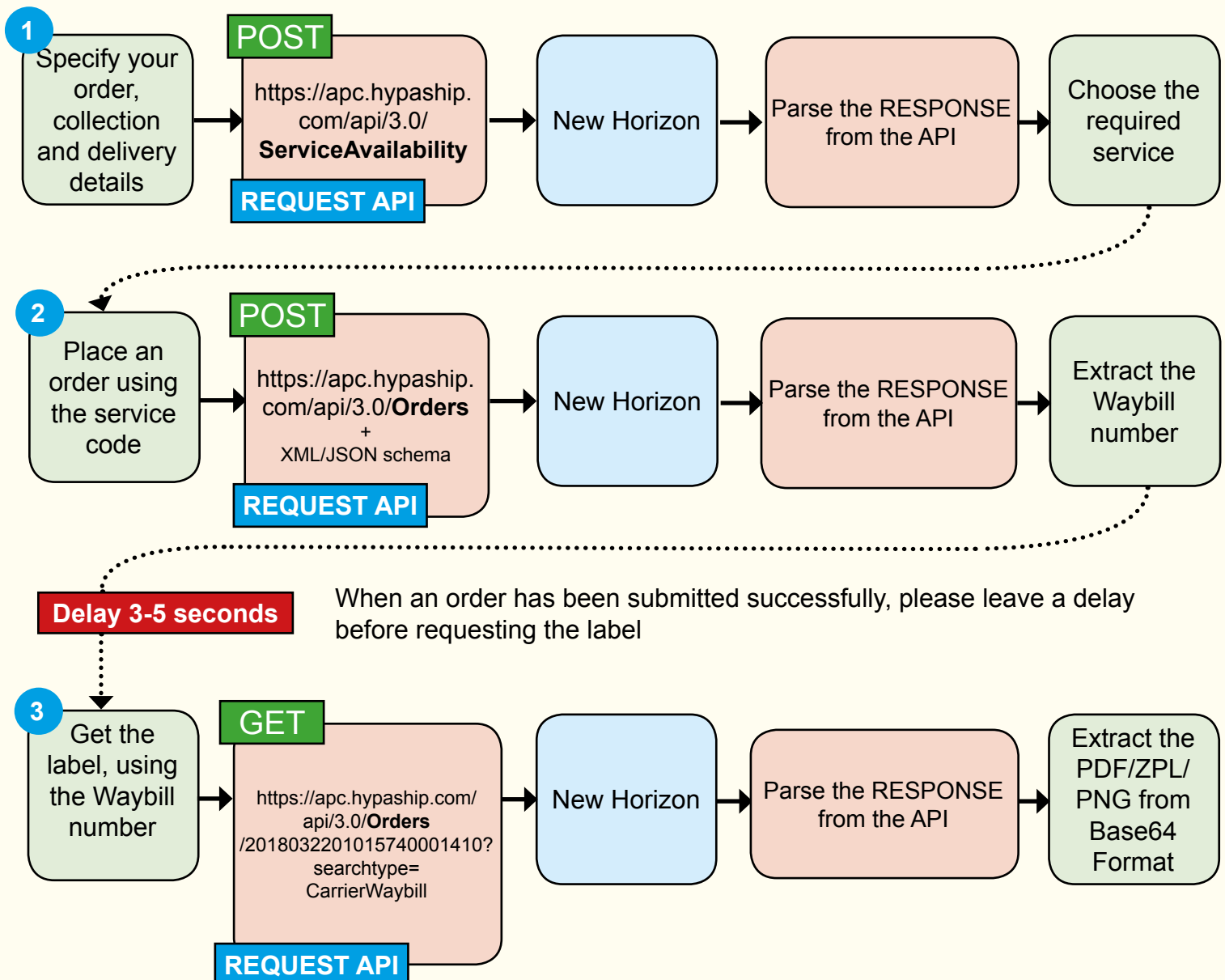
2. API Workflow

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

1 Service availability check process (Optional)

2 Placing an order process (Required)

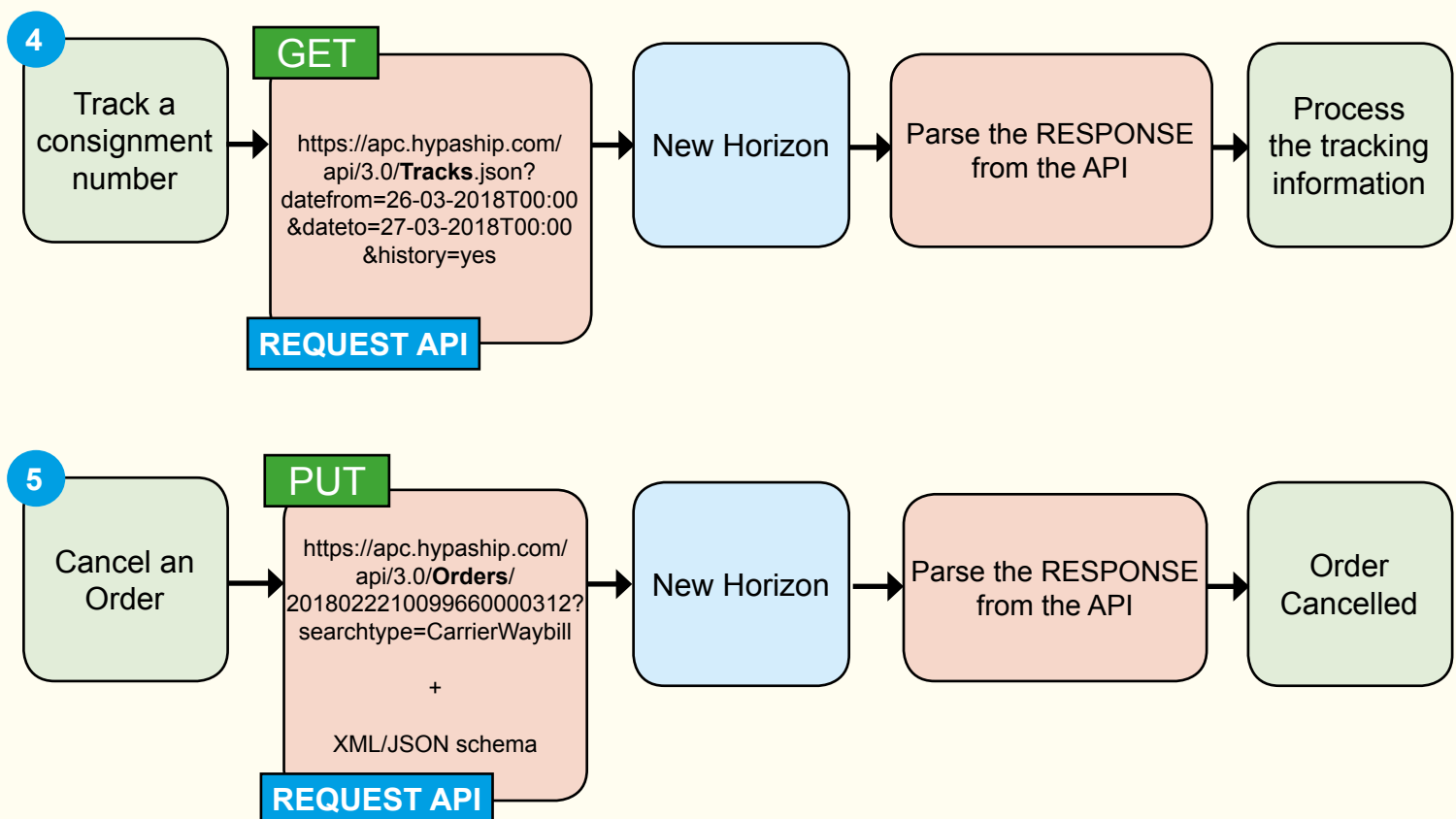
3 Generating label process (Required)



2. API Workflow (continued)

For additional features we also allow tracking and cancelling orders

4 Tracking Process 5 Cancelling process



Next: the following sections will illustrate and explain all the above API endpoints

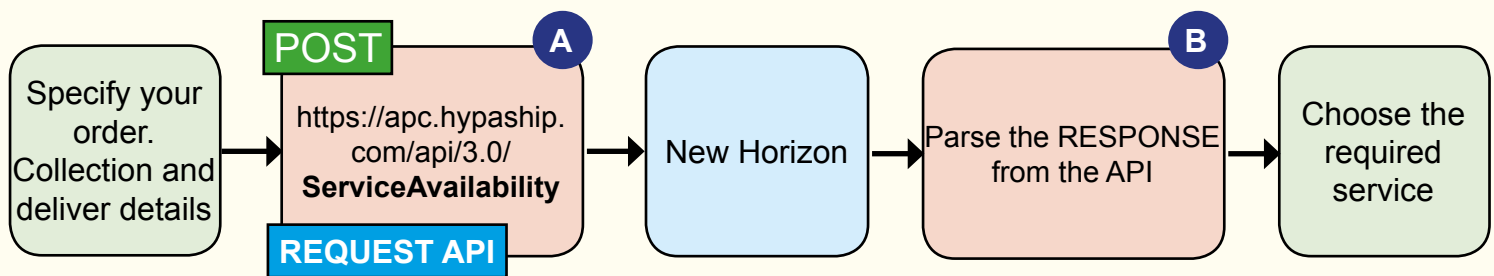


3. Check Service Availability



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

JSON REQUEST

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

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

REQUEST API

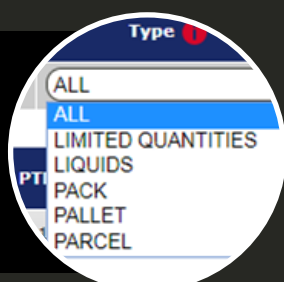
```
{
  "Orders": {
    "Order": {
      "CollectionDate": "04/04/2018",
      "ReadyAt": "09:00",
      "ClosedAt": "18:00",
      "DeliveryGroup": "NS Services",
      "Collection": {
        "PostalCode": "WS11 8LD",
        "CountryCode": "GB"
      },
      "Delivery": {
        "PostalCode": "M17 1WA",
        "CountryCode": "GB"
      },
      "GoodsInfo": {
        "GoodsValue": "1",
        "GoodsDescription": ".....",
        "PremiumInsurance": "False"
      },
      "ShipmentDetails": {
        "NumberOfPieces": "1",
        "Items": {
          "Item": {
            "Type": "ALL",
            "Weight": "1",
            "Length": "1",
            "Width": "1",
            "Height": "1",
            "Value": "1"
          }
        }
      }
    }
  }
}
```

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



Within New Horizon

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

3. Checking Service Availability (continued)

JSON

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

```
{
  "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": "0900 COURIER PACK",
          "ProductCode": "APCCP09",
          "MinTransitDays": "1",
          "MaxTransitDays": "1",
          "Tracked": "false",
          "Signed": "false",
          "MaxCompensation": "15000.00",
          "MaxItemLength": "60",
          "MaxItemWidth": "45",
          "MaxItemHeight": "45",
          "ItemType": "PACK",
          "DeliveryGroup": null,
          "CollectionDate": "04/04/2018",
          "EstimatedDeliveryDate": "05/04/2018",
          "LatestBookingDateTime": "04/04/2018 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

3. Checking Service Availability (continued)

POST

A

XML REQUEST

<https://apc.hypaship.com/api/3.0/ServiceAvailability>

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

REQUEST API

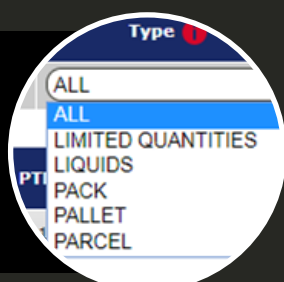
```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceAvailability>
  <AccountNumber>DSQ123</AccountNumber>
  <Order>
    <CollectionDate>17/04/2018</CollectionDate>
    <ReadyAt>09:00</ReadyAt>
    <ClosedAt>18:00</ClosedAt>
    <DeliveryGroup>NS Services</DeliveryGroup>
    <Collection>
      <PostalCode>WS11 8LD</PostalCode>
      <CountryCode>GB</CountryCode>
    </Collection>
    <Delivery>
      <PostalCode>M17 1WA</PostalCode>
      <CountryCode>GB</CountryCode>
    </Delivery>
    <GoodsInfo>
      <GoodsValue>1</GoodsValue>
      <GoodsDescription>.....</GoodsDescription>
      <PremiumInsurance>False</PremiumInsurance>
    </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



Within New Horizon

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

3. Checking Service Availability (continued)

POST

B

XML RESPONSE

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

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

RESPONSE API

```
<?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>0900 PARCEL</ServiceName>
      <ProductCode>APCND09</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>17/04/2018</CollectionDate>
      <EstimatedDeliveryDate>18/04/2018</EstimatedDeliveryDate>
      <LatestBookingDateTime>17/04/2018 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



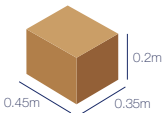
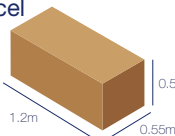
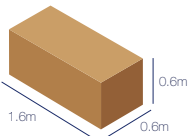
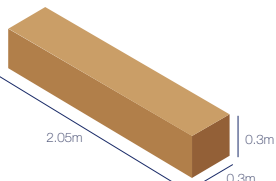
Type

3. Checking Service Availability (continued)

Choose the
required
service

Service Product Codes

Here are some of the service codes that could be returned

Product	Length	Width	Height	Weight	PPC
MailPack 	N/A	N/A	N/A	1kg	1
The item must physically fit into the pre printed, recyclable corporate MailPack, but not exceed 1kg. Ideal for documents and other small items. Excludes liquids.					
CourierPack 	N/A	N/A	N/A	5kg	1
The item must physically fit into the pre printed, recyclable corporate CourierPack, but not exceed 5kg. Ideal for documents and other small items. Excludes liquids.					
Lightweight Parcel 	0.45 metres	0.35 metres	0.2 metres	5kg	1
Excludes liquids.					
Parcel 	1.2 metres	0.55 metres	0.5 metres	30kg per item	Multiple parts per consignment are permitted
Non Conveyable Parcel 	1.6 metres	1.2 metres		30kg per item	Multiple parts per consignment are permitted
The longest dimension must not exceed 1.6m. The sum of the second and third dimension must not exceed 1.2m.					
Excess Parcel 	2.05 metres	0.3 metres	0.3 metres	30kg per item	Multiple parts per consignment are permitted
Items with any one of their dimensions greater than the maximum parameters of the Excess service are not suitable for transit via the APC Overnight network. Please contact your local depot for further information.					

09.00 am

Delivery by 9.00 the next working day

10.00 am

Delivery by 10.00 the next working day

12.00 am

Delivery by 12 noon the next working day

16.00 pm

Delivery by 16.00 pm the next working day

Saturday delivery

Delivery by 09.00, 10.00 and 12 noon Saturday.

The next day (1600) service is not available for Saturday deliveries.

3. Checking Service Availability (continued)

Choose the
required
service

Service Product Codes

Timed deliveries

All timed options are available to the UK and Eire unless specified in the APC Routing Guide as not available. Working days will be defined as Monday to Friday. When the day of despatch is a Friday the next working day will be Monday unless a Saturday delivery has been requested.

Weekday Service Codes

ND09 NEXTDAY PARCEL BY 09.00
ND10 NEXTDAY PARCEL BY 10.00
ND12 NEXTDAY PARCEL BY 12.00
ND16 NEXTDAY PARCEL BY 16.00
TDAY 2-5 DAY PARCEL

LW09 NEXTDAY LIGHT WEIGHT BY 09.00
LW10 NEXTDAY LIGHT WEIGHT BY 10.00
LW12 NEXTDAY LIGHT WEIGHT BY 12.00
LW16 NEXTDAY LIGHT WEIGHT BY 16.00
TDLW 2-5 DAY LIGHTWEIGHT

CP09 NEXTDAY COURIER PACK BY 09.00
CP10 NEXTDAY COURIER PACK BY 10.00
CP12 NEXTDAY COURIER PACK BY 12.00
CP16 NEXTDAY COURIER PACK BY 16.00
TDCP 2-5 DAY COURIER PACK

MP09 NEXTDAY MAILPACK BY 09.00
MP10 NEXTDAY MAILPACK BY 10.00
MP12 NEXTDAY MAILPACK BY 12.00
MP16 NEXTDAY MAILPACK BY 16.00
TDMP 2-5 DAY MAILPACK

LP09 LIQUID PRODUCT BY 09.00
LP10 LIQUID PRODUCT BY 10.00
LP12 LIQUID PRODUCT BY 12.00
LP16 LIQUID PRODUCT BY 16.00
TDLP 2-5 DAY LIQUID PRODUCT

LQ09 LIMITED QUANTITY BY 09.00
LQ10 LIMITED QUANTITY BY 10.00
LQ12 LIMITED QUANTITY BY 12.00
LQ16 LIMITED QUANTITY BY 16.00
NC09 NON-CONVEYABLE BY 09.00
NC10 NON-CONVEYABLE BY 10.00
NC12 NON-CONVEYABLE BY 12.00
NC16 NON-CONVEYABLE BY 16.00
TDNC 2-5 DAY NON-CONVEYABLE

XS09 EXCESS PARCEL BY 09.00
XS10 EXCESS PARCEL BY 10.00
XS12 EXCESS PARCEL BY 12.00
XS16 EXCESS PARCEL BY 16.00

Saturday Service Codes

NS09 SATURDAY PARCEL BY 09.00
NS10 SATURDAY PARCEL BY 10.00
NS12 SATURDAY PARCEL BY 12.00

LS09 SATURDAY LIGHT WEIGHT BY 09.00
LS10 SATURDAY LIGHT WEIGHT BY 10.00
LS12 SATURDAY LIGHT WEIGHT BY 12.00

CS09 SATURDAY COURIER PACK BY 09.00
CS10 SATURDAY COURIER PACK BY 10.00
CS12 SATURDAY COURIER PACK BY 12.00

MS09 SATURDAY MAIL PACK BY 09.00
MS10 SATURDAY MAIL PACK BY 10.00
MS12 SATURDAY MAIL PACK BY 12.00

SL09 SATURDAY LIQUID PRODUCT BY 09.00
SL10 SATURDAY LIQUID PRODUCT BY 10.00
SL12 SATURDAY LIQUID PRODUCT BY 12.00

SQ09 SATURDAY LIMITED QUANTITY BY 09.00
SQ10 SATURDAY LIMITED QUANTITY BY 10.00
SQ12 SATURDAY LIMITED QUANTITY BY 12.00

SN09 SATURDAY NON-CONVEYABLE BY 09.00
SN10 SATURDAY NON-CONVEYABLE BY 10.00
SN12 SATURDAY NON-CONVEYABLE BY 12.00

SX09 EXCESS SATURDAY PARCEL BY 09.00
SX10 EXCESS SATURDAY PARCEL BY 10.00
SX12 EXCESS SATURDAY PARCEL BY 12.00

Other Service Codes

ROAD 2-5 DAY ROAD SERVICE TO IRELAND
RD16 2-5 DAY ROAD SERVICE FROM IRELAND
POST 2ND CLASS MAIL (WHISTL)

For further information about the available services please contact your local depot.



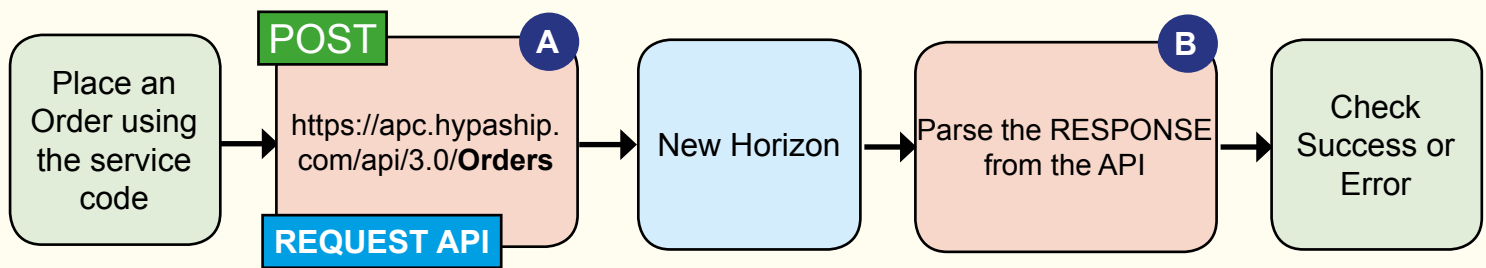
4. Placing Orders and Retrieving Labels



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.

4. Placing Orders & Retrieving Labels (continued)

POST

A

PLACING AN ORDER JSON REQUEST

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

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

REQUEST API

```
{
  "Orders": {
    "Order": {
      "CollectionDate": "01/03/2018",
      "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 700080",
          "Email": null
        }
      },
      "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",
          "Email": "api_support@apc-overnight.com"
        },
        "Instructions": "Leave with neighbour"
      },
      "GoodsInfo": {
        "GoodsValue": "20",
        "GoodsDescription": ".....",
        "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 New Horizon Portal, then they will be treated as third party / PURs.

CompanyName is account name within New Horizon

For International

Use **INT** for postcode 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": [
    {
      "Type": "ALL",
      "Weight": "1",
      "Length": "32",
      "Width": "23",
      "Height": "16",
      "Reference": "PartA"
    },
    {
      "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 New Horizon system to assign the Operational Address of the account to the consignment.

4. Placing Orders & Retrieving Labels (continued)

POST

A

PLACING AN ORDER JSON REQUEST

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

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

REQUEST API

```
{
  "Orders": {
    "Order": {
      "CollectionDate": "01/03/2018",
      "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 700080",
          "Email": null
        }
      },
      "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",
          "Email": "api_support@apc-overnight.com"
        },
        "Instructions": "Leave with neighbour"
      },
      "GoodsInfo": {
        "GoodsValue": "20",
        "GoodsDescription": ".....",
        "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 New Horizon Portal, then they will be treated as third party / PURs.

CompanyName is account name within New Horizon

For International

Use **INT** for postcode 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": [
    {
      "Type": "ALL",
      "Weight": "1",
      "Length": "32",
      "Width": "23",
      "Height": "16",
      "Reference": "PartA"
    },
    {
      "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 for country selected e.g. for UK, must be in 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.

4. Placing Orders & Retrieving Labels (continued)

POST

A

PLACING AN ORDER JSON REQUEST

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

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

REQUEST API

```
{
  "Orders": {
    "Order": {
      "CollectionDate": "01/03/2018",
      "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 700080",
          "Email": null
        }
      },
      "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",
          "Email": "api_support@apc-overnight.com"
        },
        "Instructions": "Leave with neighbour"
      },
      "GoodsInfo": {
        "GoodsValue": "20",
        "GoodsDescription": ".....",
        "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 New Horizon Portal, then they will be treated as third party / PURs.

CompanyName is account name within New Horizon

For International

Use **INT** for postcode 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": [
    {
      "Type": "ALL",
      "Weight": "1",
      "Length": "32",
      "Width": "23",
      "Height": "16",
      "Reference": "PartA"
    },
    {
      "Type": "ALL",
      "Weight": "1",
      "Length": "32",
      "Width": "23",
      "Height": "16",
      "Reference": "PartA"
    }
  ]
}
```

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) – 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.

4. Placing Orders & Retrieving Labels (continued)

JSON

POST

A

PLACING AN ORDER JSON REQUEST

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

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

REQUEST API

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 New Horizen 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/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

4. Placing Orders & Retrieving Labels (continued)

POST

B

PLACING AN ORDER JSON RESPONSE

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

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

```
{
  "Orders": {
    "AccountNumber": null,
    "Messages": {
      "Code": "SUCCESS",
      "Description": "SUCCESS"
    },
    "Order": {
      "Messages": {
        "Code": "SUCCESS",
        "Description": "SUCCESS"
      },
      "AccountNumber": [
        "ANC001",
        "ANC001"
      ],
      "EntryType": "API",
      "CollectionDate": "19/04/2018",
      "ReadyAt": "18:00",
      "ClosedAt": "18:30",
      "ProductCode": "ND16",
      "RuleName": null,
      "ItemOption": "Weight",
      "OrderNumber": "000000000149567219",
      "WayBill": "2018041910099660000599",
      "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",
        "Contact": {
          "PersonName": "Fred Smith",
          "PhoneNumber": "01922702580",
          "Email": null
        },
        "Instructions": null
      }
    }
  },
}
```

Order number
22-digit
Consignment
Identifier

.....

1/2

4. Placing Orders & Retrieving Labels (continued)

POST

B

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

RESPONSE API

PLACING AN ORDER JSON RESPONSE

Below is the JSON response 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"
  },
  "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": "2018041910099660000599001",
        "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"
  }
}
```

4. Placing Orders & Retrieving Labels (continued)

POST

A

PLACING AN ORDER XML REQUEST

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

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

REQUEST API

Third Parties (PUR)

If the Collection details do not match operational details within New Horizon Portal, then they will be treated as third party / PURs.

CompanyName is account name within New Horizon

For International

Use **INT** for postcode 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>
```

```
<Orders>
  <AccountNumber>20400</AccountNumber>
  <Order>
    <CollectionDate>14/03/2018</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@yahoo.co.uk</Email>
      </Contact>
      <Instructions>Leave in reception</Instructions>
    </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 New Horizon system to assign the Operational Address of the account to the consignment.

4. Placing Orders & Retrieving Labels (continued)

POST

A

PLACING AN ORDER XML REQUEST

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

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

REQUEST API

XML

Third Parties (PUR)

If the Collection details do not match operational details within New Horizon Portal, then they will be treated as third party / PURs.

CompanyName is account name within New Horizon

For International

Use **INT** for postcode 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>
```

```
<Orders>
  <AccountNumber>20400</AccountNumber>
  <Order>
    <CollectionDate>14/03/2018</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@yahoo.co.uk</Email>
      </Contact>
      <Instructions>Leave in reception</Instructions>
    </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 for country selected e.g. for UK, must be in 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.

4. Placing Orders & Retrieving Labels (continued)

POST

A

PLACING AN ORDER XML REQUEST

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

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

REQUEST API

Third Parties (PUR)

If the Collection details do not match operational details within New Horizon Portal, then they will be treated as third party / PURs.

CompanyName is account name within New Horizon

For International

Use **INT** for postcode 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>
```

```
<Orders>
  <AccountNumber>20400</AccountNumber>
  <Order>
    <CollectionDate>14/03/2018</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@yahoo.co.uk</Email>
      </Contact>
      <Instructions>Leave in reception</Instructions>
    </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.

4. Placing Orders & Retrieving Labels (continued)

POST

A

PLACING AN ORDER XML REQUEST

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

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

REQUEST API

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 HypaShip 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/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

4. Placing Orders & Retrieving Labels (continued)

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 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>ANC001</AccountNumber>
    <CollectionDate>20/03/2018</CollectionDate>
    <ReadyAt>14:07</ReadyAt>
    <ClosedAt>18:00</ClosedAt>
    <ProductCode>ND16</ProductCode>
    <AccountNumber>ANC001</AccountNumber>
    <RuleName/>
    <ItemOption>Weight</ItemOption>
    <OrderNumber>000000000004667007</OrderNumber>
    <WayBill>2018032010099660000318</WayBill>
    <Reference>27810</Reference>
    <CustomReference1/>
    <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>
  </Order>
</Orders>
```

..... Order number
..... 22-digit
Consignment
Identifier

4. Placing Orders & Retrieving Labels (continued)

POST

B

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

RESPONSE API

PLACING AN ORDER XML RESPONSE

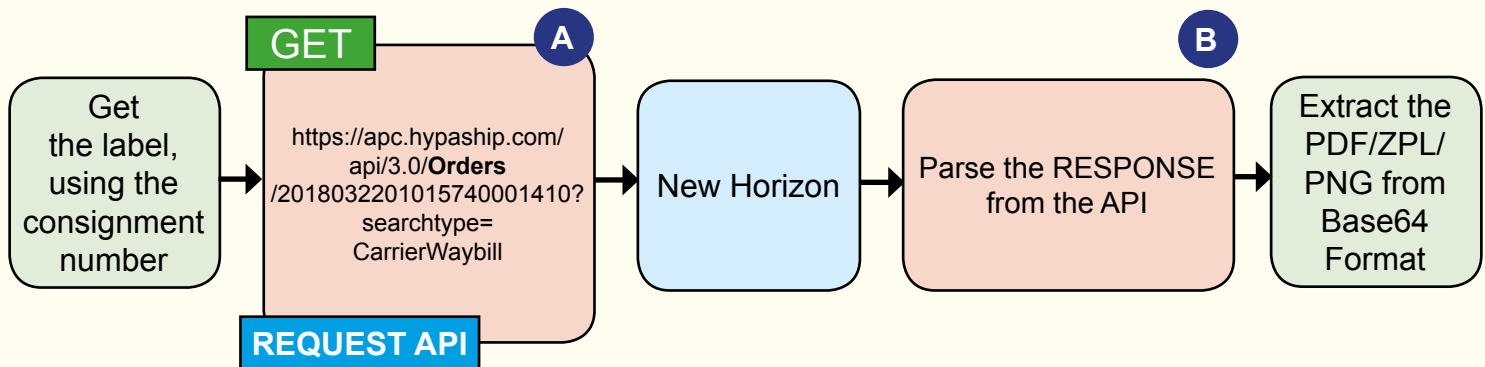
Below is the kind of response you get back once you make a request

```
<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>
</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>2018032010099660000318001</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>
```

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:	<code>https://apc.hypaship.com/api/3.0/Orders/{OrderNumber/Waybill/Reference}</code>	XML
Live	<code>https://apc.hypaship.com/api/3.0/Orders/{OrderNumber/Waybill/Reference}</code>	XML
Training	<code>https://apc.hypaship.com/api/3.0/Orders/{OrderNumber/Waybill/Reference}.json</code>	JSON
Live:	<code>https://apc.hypaship.com/api/3.0/Orders/{OrderNumber/Waybill/Reference}.json</code>	JSON

4. Placing Orders & Retrieving Labels (continued)

GET

A

RETRIEVING LABEL REQUEST

```
https://apc.hypaship.com/api/3.0/Orders
/2018032201015740001410.json?
labelformat=PDF&markprinted=True&
searchtype=CarrierWaybill&
labels=True
```

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

REQUEST API

Query Fields

Parameter	Example	Description
searchtype	<i>searchtype=OrderNumber</i> <i>searchtype=CarrierWaybill</i> 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)
labelformat	<i>labelformat=PDF</i> <i>labelformat=PNG</i> <i>labelformat=ZPL</i> Default: PDF	The format of label returned. Can be PDF, ZPL or PNG. Note: Format returned for PNG is actually JPG due to legacy requirements
markprinted	<i>markprinted=True</i> <i>markprinted=False</i> 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	<i>labels=True</i> <i>labels=False</i> 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	<i>datefrom=</i> <i>20-09-2017T13:00</i>	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	<i>dateto=</i> <i>27-09-2017T13:00</i>	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	<i>page=7</i> 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.

4. Placing Orders & Retrieving Labels (continued)

GET

B

RETRIEVING LABEL JSON RESPONSE

https://apc.hypaship.com/api/3.0/Orders
/2018032201015740001410.json?
labelformat=PDF&markprinted=True&
searchtype=CarrierWaybill&
labels=True

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

REQUEST API

```
{
  "Orders": {
    "AccountNumber": "ANC001",
    "Messages": {
      "Code": "SUCCESS",
      "Description": "SUCCESS"
    },
    "Pagination": {
      "TotalPages": "1",
      "NextPage": null,
      "PreviousPage": null,
      "ItemsPerPage": "25",
      "ItemsTotal": "1"
    },
    "Order": {
      "Messages": {
        "Code": "SUCCESS",
        "Description": "SUCCESS"
      },
      "AccountNumber": [
        "ANC001",
        "ANC001"
      ],
      "EntryType": "API",
      "CollectionDate": "05/04/2018",
      "ReadyAt": "18:00",
      "ClosedAt": "18:30",
      "ProductCode": "ND16",
      "RuleName": null,
      "ItemOption": "Weight",
      "OrderNumber": "000000000128555282",
      "WayBill": "2018040510099660000551",
      "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

GET

https://apc.hypaship.com/api/3.0/Orders
/2018032201015740001410.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

```

{
  "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"
  },
  "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": "2018040510099660000551001",
        "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)

4. Placing Orders & Retrieving Labels (continued)

GET

B

RETRIEVING LABEL XML RESPONSE

https://apc.hypaship.com/api/3.0/Orders
/2018032201015740001410?
labelformat=PDF&markprinted=True&
searchtype=CarrierWaybill&
labels=True

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

REQUEST API

```
<?xml version='1.0' encoding='UTF-8' standalone='no'?>
<Orders>
  <AccountNumber>ANC001</AccountNumber>
  <Messages>
    <Code>SUCCESS</Code>
    <Description>SUCCESS</Description>
  </Messages>
  <Order>
    <Messages>
      <Code>SUCCESS</Code>
      <Description>SUCCESS</Description>
    </Messages>
    <AccountNumber>ANC001</AccountNumber>
    <EntryType>API</EntryType>
    <CollectionDate>17/04/2018</CollectionDate>
    <ReadyAt>09:00</ReadyAt>
    <ClosedAt>17:00</ClosedAt>
    <ProductCode>LP16</ProductCode>
    <AccountNumber>ANC001</AccountNumber>
    <RuleName/>
    <ItemOption>Weight</ItemOption>
    <OrderNumber>000000000147234441</OrderNumber>
    <WayBill>2018041710099660000598</WayBill>
    <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/>
    </Collection>
  </Order>
</Orders>
```

◀..... Order number
◀..... 22-digit
Consignment
Identifier

.....

1/2

4. Placing Orders & Retrieving Labels (continued)

XML

GET

https://apc.hypaship.com/api/3.0/Orders
/2018032201015740001410?
labelformat=PDF&markprinted=True&
searchtype=CarrierWaybill&
labels=True

B

RETRIEVING LABEL XML RESPONSE

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

REQUEST API

```

</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>
  </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>2018041710099660000598001</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>
      </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>

```

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)

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": "JVBERi0xLjMKMSAwIG9iago8PAovS2lkcyBbID
iojuoih60yudfulG9iago8g6j0brher7Dfuyf8cuyci
5giuh5bhoy5yudfulG9iagorybij0hb8fdettgrtgu95
biu46897ghcyudfulG9iago8iohoibh5yfuyf8cuyci
t0he0iago8g9g9er7Dfuyf8yrbohoihby95h69y9
5s66syt0oiuyf87d88iyfiufuyf8yrbohoi7s5jk7875d
```



Base64 Decoded

 10099660000267001		Send Request 53 100 Item of 1 1 Weight 1.00	 0800 37 37 37
Con Number 0000267	S J	44	ND16
APC API and Co National Sortation Centre Kingswood Lakeside Cannock Staffordshire WS11 8LD		Consignor / Account The Big Company Ltd ANC001 FA0 / ref Fred Smith Delivery Tel 07540794523	
Send Date 19/02/18	Special Instructions		

How the APC Consignment Identifier works: **2018021910099660000267**

20180219	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 '2018021910099660000267'

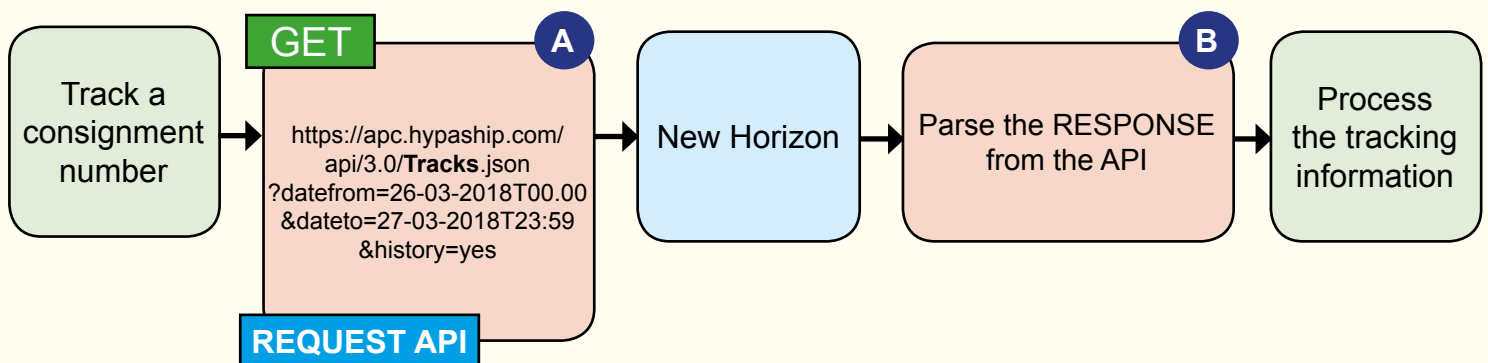


5. Tracking Orders



5. Tracking Orders

In this section, we will show you how to use the Tracks API. The Tracks API allow you to send a GET request to our API server. Using the GET request you can retrieve one or more tracks according to your search type. We will show you the detail in a later section. The following is the API information table.



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:	<code>https://apc-training.hypaship.com/api/3.0/Tracks/{OrderNumber/Waybill/Reference}</code>	XML
Live:	<code>https://apc.hypaship.com/api/3.0/Tracks/{OrderNumber/Waybill/Reference}</code>	XML
Training:	<code>https://apc-training.hypaship.com/api/3.0/Tracks/{OrderNumber/Waybill/Reference}.json</code>	JSON
Live:	<code>https://apc.hypaship.com/api/3.0/Tracks/{OrderNumber/Waybill/Reference}.json</code>	JSON

Multi Consignment/Order Tracking

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

5. Tracking Orders (continued)

GET

A

RETRIEVING TRACKING INFO

```
https://apc.hypaship.com/
api/3.0/Tracks.json
?datefrom=26-03-2018T00:00
&dateto=27-03-2018T23:59
&history=yes
```

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

REQUEST API

Query Fields

Useage

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	<i>searchtype=OrderNumber</i> <i>searchtype=CarrierWaybill</i> 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)	<i>datefrom=</i> <i>20-09- 2017T13:00</i> 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)	<i>dateto=</i> <i>27-09- 2017T13:00</i> 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	<i>page=2</i> Default: 1	Used to search for specific pages of scans, when searching for all scans
history	<i>history=Yes</i> <i>history=No</i> 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)

GET

B

RETRIEVING TRACKING RESPONSE

The possible response outcome that you may receive

https://apc.hypaship.com/
api/3.0/Tracks.json
?datefrom=26-03-2018T00:00
&dateto=27-03-2018T23:59
&history=yes

RESPONSE API

```
{
  "Tracks": {
    "Track": [
      {
        "AdultSignature": null,
        "ProductCode": "1600 Courier Pack",
        "CustomReference2": null,
        "CustomReference3": null,
        "Reference": null,
        "CustomReference1": null,
        "OrderNumber": "000000000036295184",
        "WayBill": "2017120821168860000004",
        "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": "07/12/2017 15:06:55",
                      "Location": "N/A",
                      "SignedBy": null,
                      "StatusDescription": "READY TO PRINT",
                      "StatusCode": "1"
                    }
                  },
                  {
                    "Status": {
                      "Comments": null,
                      "DateTime": "07/12/2017 15:10:35",
                      "Location": "N/A",
                      "SignedBy": null,
                      "StatusDescription": "LABEL PRINTED / DONE",
                      "StatusCode": "62"
                    }
                  },
                  {
                    "Status": {
                      "Comments": null,
                      "DateTime": "07/12/2017 15:22:39",
                      "Location": "N/A",
                      "SignedBy": null,
                      "StatusDescription": "MANIFESTED",
                      "StatusCode": "63"
                    }
                  }
                ]
              }
            }
          ]
        }
      }
    ]
  }
}
```



1/3

5. Tracking Orders (continued)

GET

B

RETRIEVING TRACKING RESPONSE

The possible response outcome that you may receive

https://apc.hypaship.com/
api/3.0/Tracks.json
?datefrom=26-03-2018T00:00
&dateto=27-03-2018T23:59
&history=yes

RESPONSE API

```
{
  "Status": {
    "Comments": null,
    "DateTime": "07/12/2017 16:21:40",
    "Location": "N/A",
    "SignedBy": null,
    "StatusDescription": "AT HUB",
    "StatusCode": "70"
  },
  {
    "Status": {
      "Comments": null,
      "DateTime": "08/12/2017 08:00:00",
      "Location": "Point of Delivery",
      "SignedBy": null,
      "StatusDescription": "AT DELIVERY DEPOT",
      "StatusCode": "69"
    },
    {
      "Status": {
        "Comments": null,
        "DateTime": "11/12/2017 08:00:00",
        "Location": "Point of Delivery",
        "SignedBy": null,
        "StatusDescription": "DELIVERED",
        "StatusCode": "3"
      }
    },
    ],
    "TrackingNumber": "2017120821168860000004001",
    "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
},
}
```

2/3

5. Tracking Orders (continued)

GET

B

RETRIEVING TRACKING RESPONSE

The possible response outcome that you may receive

https://apc.hypaship.com/
api/3.0/Tracks.json
?datefrom=26-03-2018T00:00
&dateto=27-03-2018T23:59
&history=yes

RESPONSE API

```

{
  "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": "07/12/2017",
  "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"
}

```

5. Tracking Orders (continued)

GET

B

https://apc.hypaship.com/
api/3.0/Tracks?
datefrom=26-03-2018T00:00
&dateto=27-03-2018T23:59
&history=yes

RETRIEVING TRACKING RESPONSE

The possible response outcome that you may receive

RESPONSE API

```
<?xml version='1.0' encoding='UTF-8' standalone='no'?>
<Tracks>
  <AccountNumber>6582</AccountNumber>
  <Messages>
    <Code>SUCCESS</Code>
    <Description>SUCCESS</Description>
  </Messages>
  <Track>
    <CollectionDate>07/12/2017</CollectionDate>
    <ReadyAt>16:00</ReadyAt>
    <ClosedAt>17:00</ClosedAt>
    <ProductCode>1600 Courier Pack</ProductCode>
    <ItemOption>Weight</ItemOption>
    <OrderNumber>000000000036295184</OrderNumber>
    <WayBill>2017120821168860000004</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>
  </Track>
</Tracks>
```



1/3

5. Tracking Orders (continued)

GET

B

```
https://apc.hypaship.com/
api/3.0/Tracks?
datefrom=26-03-2018T00:00
&dateto=27-03-2018T23:59
&history=yes
```

RETRIEVING TRACKING RESPONSE

The possible response outcome that you may receive

RESPONSE API

```
<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>2017120821168860000004001</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>07/12/2017 15:06:55</DateTime>
          <Location>N/A</Location>
          <StatusCode>1</StatusCode>
          <StatusDescription>READY TO PRINT</StatusDescription>
          <Comments/>
          <SignedBy/>
        </Status>
      </Activity>
      <Activity>
        <Status>
          <DateTime>07/12/2017 15:10:35</DateTime>
          <Location>N/A</Location>
          <StatusCode>62</StatusCode>
          <StatusDescription>LABEL PRINTED / DONE</StatusDescription>
          <Comments/>
          <SignedBy/>
        </Status>
      </Activity>
      <Activity>
        <Status>
          <DateTime>07/12/2017 18:03:37</DateTime>
          <Location></Location>
          <StatusCode>63</StatusCode>
          <StatusDescription>MANIFESTED</StatusDescription>
          <Comments/>
          <SignedBy/>
        </Status>
      </Activity>
    </Item>
  </Items>
</ShipmentDetails>
</GoodsInfo>
```

2/3

5. Tracking Orders (continued)

GET

B

```
https://apc.hypaship.com/
api/3.0/Tracks?
datefrom=26-03-2018T00:00
&dateto=27-03-2018T23:59
&history=yes
```

RETRIEVING TRACKING RESPONSE

The possible response outcome that you may receive

RESPONSE API

```
<Activity>
  <Status>
    <DateTime>08/12/2017 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>11/12/2017 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>
```

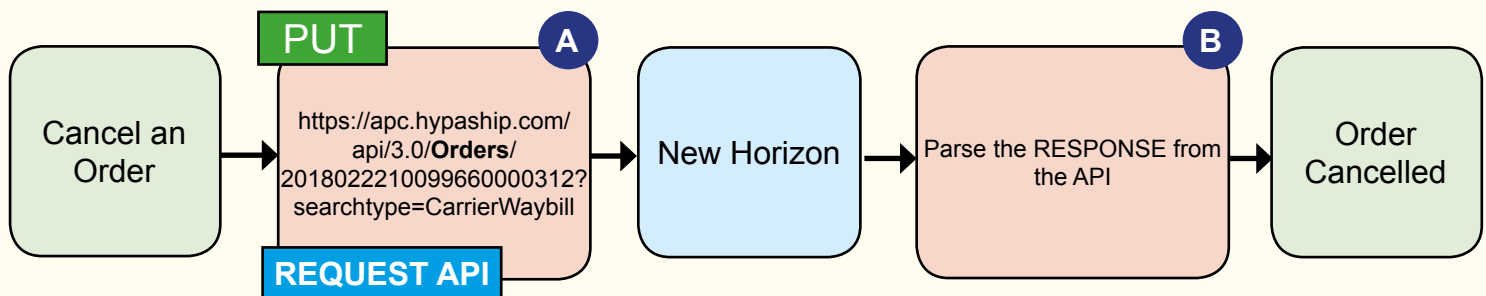



6. Cancelling Orders



6. 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:	<code>https://apc.hypaship.com/api/3.0/Orders/{OrderNumber}/Waybill/Reference}</code>	XML
Live	<code>https://apc.hypaship.com/api/3.0/Orders/{OrderNumber}/Waybill/Reference}</code>	XML
Training	<code>https://apc.hypaship.com/api/3.0/Orders/{OrderNumber}/Waybill/Reference}.json</code>	JSON
Live:	<code>https://apc.hypaship.com/api/3.0/Orders/{OrderNumber}/Waybill/Reference}.json</code>	JSON

6. Canceling Orders (continued)

PUT

A

```
https://apc.hypaship.com/
api/3.0/Orders/
2018022210099660000312?
searchtype=CarrierWaybill
```

CANCELING REQUEST

Specifying the consignment order/number and Query parameters

REQUEST API

JSON

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

XML

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

RESPONSE API

```
<?xml version='1.0' encoding='UTF-8'
standalone='no'?>
<CancelOrder>
  <AccountNumber>ANC001
</AccountNumber>
  <Messages>
    <Code>121</Code>
    <Description>
      Order Cancelled
    </Description>
  </Messages>
</CancelOrder>
```



7. Troubleshooting



7. Troubleshooting

7.1. Authentication

7.1.1. Please test your credentials via the portal

Environments	Credentials for API	Website Portal
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 web portal 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 environments. If you can not login, then please contact the CMS Team.

7.1.2. Authentication Failed Error Response - Check your Base64.

Sample Process

Username: fred@bigcompany.com

Set As

fred@bigcompany.com:Pa\$\$w0rd

Password: Pa\$\$w0rd

.....▶

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

⋮

ZnJlZEBiaWdjb21wYW55LmNvbTpQYSQkdzByZA==

Set Header to

⋮

remote-user: Basic ZnJlZEBiaWdjb21wYW55LmNvbTpQYSQkdzByZA==

Content-Type: application/json or application/xml

7.1.3. TLS Issue

There are no issues of general connectivity with our servers and we don't block any IP addresses. 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 the level of TLS security that's necessary to access our servers. Apc-training allows TLS Level 1.0 but our live 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;`

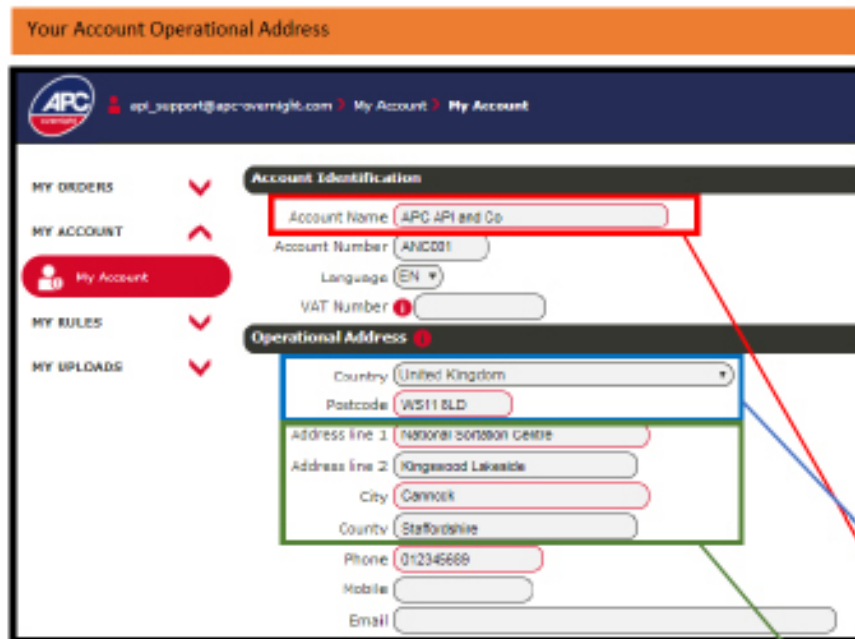
Note: For .NET 3.5. & earlier please upgrade your application to a more recent version of the framework.

7. Troubleshooting (continued)

7.2. Third Party / PUR Issue

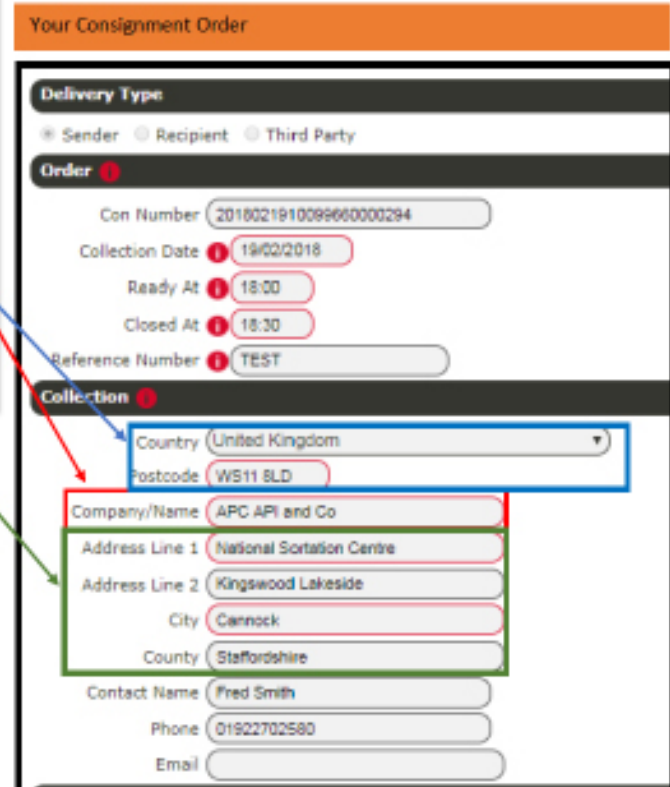
Third parties happen when your API collection details do not match the operational details on New Horizon.

Your Account Operational Address



You can't specify the delivery type within the API, New Horizon automatically works it out

Your Consignment Order



When you login through the New Horizon Portal, every submitted order is marked with the following options:

Delivery Type

☐ Sender ☐ Recipient ☒ Third Party

Type	Credentials for API	Website Portal
Sender:	Collection (From): Delivery (To):	Operational Address with Company Name therefore the Pick-Up Address Any Delivery Address
Recipient:	Collection (From): Delivery (To):	Any Pick-Up Address but NOT Operational Address with Company Name Operational Address with Company Name
Third Party:	Collection (From): Delivery (To):	Any Pick-Up Address but NOT Operational Address with Company Name Any Delivery Address
Note: the cut-off time for Third Party consignments is 12:00 and anything booked after this gets rolled over to the next day		

7. Troubleshooting (continued)

7.3. 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

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

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

Order Details

ProductCode - Uppercase, must be valid service code, if not supplied New Horizon 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

7.4. Saturday Service

New Horizon API handles Saturday Collections differently to previous API connections. Previously a tick box was selected to change the tariff to a Saturday Collection. APC requires the relevant Saturday Service tariff to be selected:

NS09	SATURDAY PARCEL BY 09.00	SL09	SATURDAY LIQUID PRODUCT BY 09:00
NS10	SATURDAY PARCEL BY 10.00	SL10	SATURDAY LIQUID PRODUCT BY 10:00
NS12	SATURDAY PARCEL BY 12.00	SL12	SATURDAY LIQUID PRODUCT BY 12:00
LS09	SATURDAY LIGHT WEIGHT BY 09.00	SQ09	SATURDAY LIMITED QUANTITY BY 09.00
LS10	SATURDAY LIGHT WEIGHT BY 10.00	SQ10	SATURDAY LIMITED QUANTITY BY 10.00
LS12	SATURDAY LIGHT WEIGHT BY 12.00	SQ12	SATURDAY LIMITED QUANTITY BY 12.00
CS09	SATURDAY COURIER PACK BY 09.00	SN09	SATURDAY NON-CONVEYABLE BY 09.00
CS10	SATURDAY COURIER PACK BY 10.00	SN10	SATURDAY NON-CONVEYABLE BY 10.00
CS12	SATURDAY COURIER PACK BY 12.00	SN12	SATURDAY NON-CONVEYABLE BY 12.00
MS09	SATURDAY MAIL PACK BY 09.00	SX09	EXCESS SATURDAY PARCEL BY 09.00
MS10	SATURDAY MAIL PACK BY 10.00	SX10	EXCESS SATURDAY PARCEL BY 10.00
MS12	SATURDAY MAIL PACK BY 12.00	SX12	EXCESS SATURDAY PARCEL BY 12.00

7. Troubleshooting (continued)

7.5. Geographical Network Restrictions

The below postcode areas are restricted to our 2-5 day delivery service due to their geographical location. Estimated Transit Times:

AB30	2	IM2	2	IV51	3	PA38	2	PA77	3
AB33	2	IM3	2	IV52	2	PA39	2	PA78	3
AB34	2	IM4	2	IV53	2	PA40	2	PA80	3
AB35	2	IM5	2	IV54	2	PA41	3	PH30	2
AB36	2	IM6	2	IV55	3	PA42	3	PH31	2
AB37	2	IM7	2	IV56	3	PA43	3	PH32	2
AB38	2	IM8	2	KA27	5	PA44	3	PH33	2
AB42	2	IM86	2	KA28	5	PA45	3	PH34	2
AB43	2	IM87	2	KW1	2	PA46	3	PH35	2
AB44	2	IM9	2	KW10	2	PA47	3	PH36	2
AB45	2	IM99	2	KW11	2	PA48	3	PH37	2
AB53	2	IV21	2	KW12	2	PA49	3	PH38	2
AB54	2	IV22	2	KW13	2	PA60	3	PH39	2
AB55	2	IV23	2	KW14	2	PA61	3	PH40	2
AB56	2	IV24	2	KW15	2	PA62	3	PH41	2
DD8	2	IV25	2	KW16	3	PA63	3	PH42	5
DD9	2	IV26	2	KW17	5	PA64	3	PH43	5
GY10	2	IV27	2	KW2	2	PA65	3	PH44	5
GY9	2	IV28	2	KW3	2	PA66	3	PH49	2
HS1	2	IV40	2	KW5	2	PA67	3	PH50	2
HS2	3	IV41	2	KW6	2	PA68	3	TR21	2
HS3	3	IV42	2	KW7	2	PA69	3	TR22	2
HS4	3	IV43	2	KW8	2	PA70	3	TR23	2
HS5	3	IV44	2	KW9	2	PA71	3	TR24	2
HS6	5	IV45	2	PA20	2	PA72	3	TR25	2
HS7	5	IV46	3	PA34	2	PA73	3	ZE1	5
HS8	5	IV47	3	PA35	2	PA74	3	ZE2	5
HS9	5	IV48	3	PA36	2	PA75	3	ZE3	5
IM1	2	IV49	3	PA37	2	PA76	3		

7.6. API Tracking Status Codes

Full list is still being compiled

1 READY TO PRINT
 2 OUT FOR DELIVERY
 3 DELIVERED
 7 LEFT WITH NEIGHBOUR - CARDED
 44 RETURN TO SENDER
 62 LABEL PRINTED / DONE
 63 MANIFESTED
 69 AT DELIVERY DEPOT
 70 AT HUB
 71 AT SENDING DEPOT
 73 CHECK ADDRESS

74 COLLECTED FROM DEPOT
 76 CLOSED / CARDED
 79 INTERCOM - NO ACCESS
 81 LEFT AS INSTRUCTED
 83 NOT RECEIVED ON TRUNK
 89 WEATHER
 91 MISSCAN
 92 ORDER CREATED
 93 AT DEPOT
 95 HELD AT DEPOT
 97 CANCELLED

7.7. 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 successfully.

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 within your account

Why am i getting 'WRONG PARAM NAME'?

When the user spells the wrong word from the "searchtype". Can also be caused by malformed headers.

Why am i getting 'WRONG SEARCH TYPE NAME'?

When the user spells the wrong word from the search type name.

Why am i getting 'MORE THAN ONE PARAM'?

When the user inputs duplicate parameters

8. API Bridge

APC have developed a "bridge" to allow customers to continue to send integrated orders to APC Overnight using their existing schemas. This can be implemented with a minimum of change – where only the url and authentication credentials will need to be modified. Contact us for further details.

N.B. The bridge has a subset of fields and limited features, but will not be enhanced beyond what is available today. We recommend using our full API, where all fields are available and the range of features will be continually enhanced.

Change the connection section of your xml submission to use your New Horizon login details.

Change Request	Value
Bridge API Endpoint	https://apibridge.newhorizon.apc-overnight.com/api-apc-bridge/1.0/Orders
Identity	<pre> <credentials> <identity>myusername@mycompany.com</identity> <password>mypassword</password> </credentials> </pre>

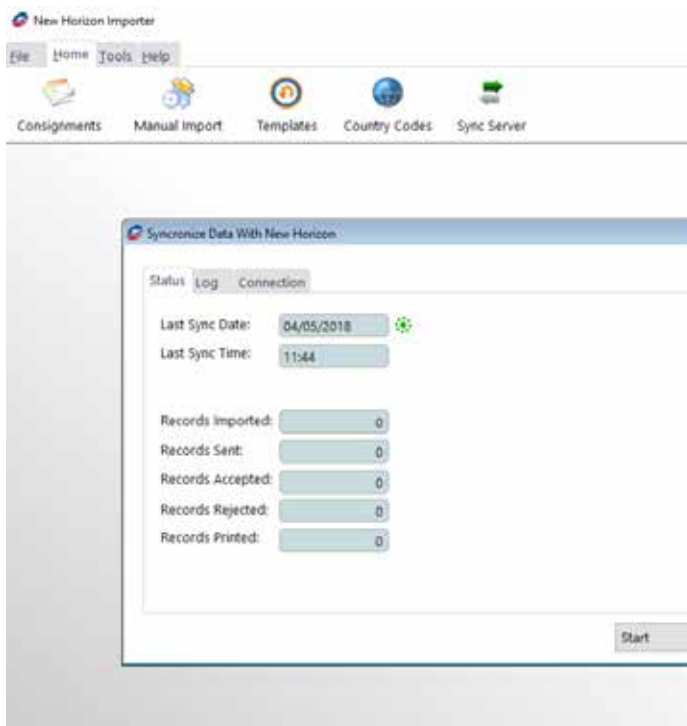
APC Overnight have had to map an existing legacy foreign data structure to the New Horizon implementation and have implemented the following XML structure mapping.

The below are the correct elements to use when transmitting the address using the Bridge API:

<code><address></code>	
<code><company>APC API and Co</company></code>	'Company Name
<code><building>National Sortation Centre</building></code>	'Address Line 1
<code><street>Kingswood Lakeside</street></code>	'Address Line 2
<code><town>Cannock</town></code>	'City
<code><county>Staffordshire</county></code>	'County
<code><zip>WS11 8LD</zip></code>	'Postcode
<code><country ISOCode="GB">United Kingdom</country></code>	'Country
<code></address></code>	

Note: We do not map the `<locality>` element to any field in New Horizon.

9. APC Label Printing Software



Many integrations prefer to leave label printing to APC. We have a separate Windows application available that can be used for printing the labels for orders generated through the API's or the web portal.

Once configured the application can be left running in the tasktray and it will continually check for any labels that are available, printing them out automatically on any connected label printer.

Indeed the application can be used in it's own right to upload orders from CSV files that have been exported from any in-house applications.

Contact us for further details and assistance.

Download the application from

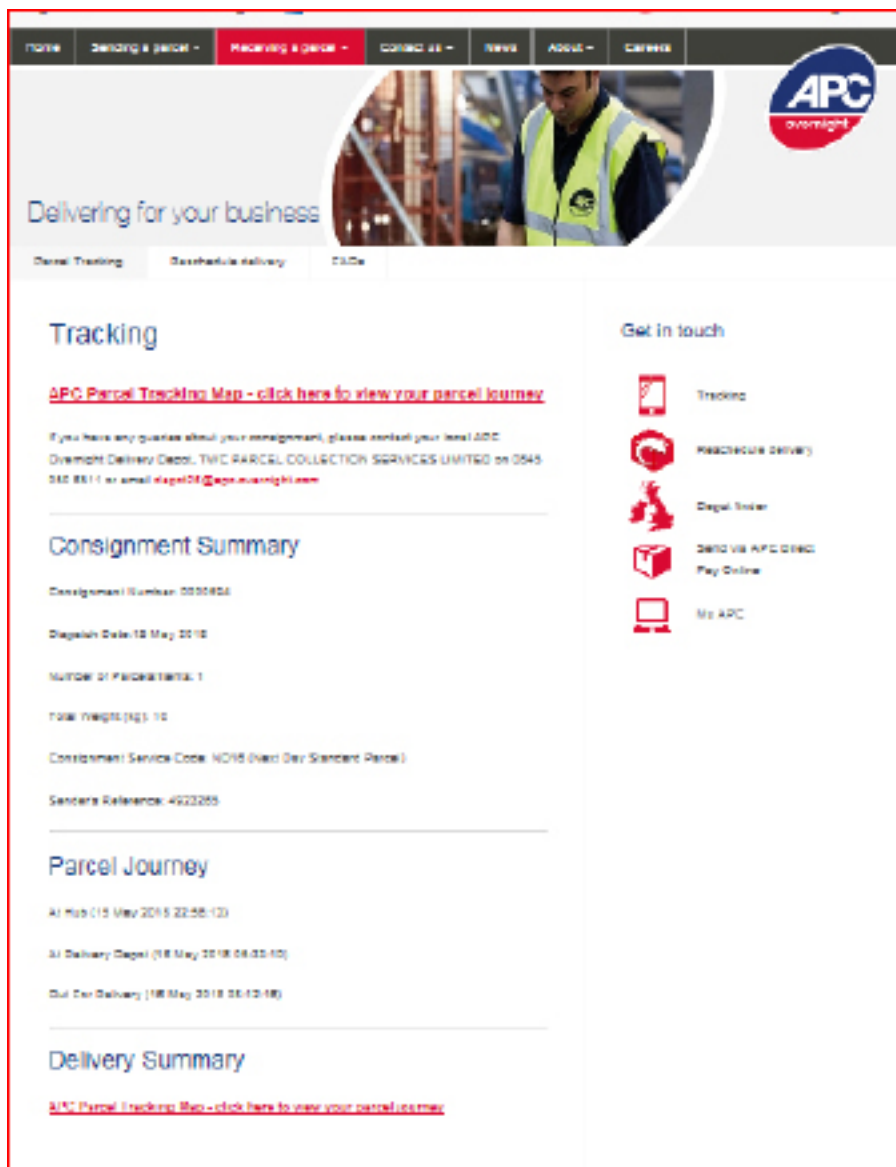
https://s3-eu-west-1.amazonaws.com/apcimporter/APC_Importer_Update.exe

10. Consignment Tracking - Direct URL

This functionality has been provisioned to facilitate our retail partners so that they are able to send the tracking link to consignees at the time of order dispatch. The URL link comprises the 22 digit APC consignment number as well as the consignee's postcode. It allows consignees to access tracking information without having to enter details on APC's main tracking page or the need to pass the CAPTCHA test.

URL Format [https://apc-overnight.com/track-parcel.php?id=\[22 DIGIT IDENTIFIER\]&postcode=\[CONSIGNEE POSTCODE\]](https://apc-overnight.com/track-parcel.php?id=[22 DIGIT IDENTIFIER]&postcode=[CONSIGNEE POSTCODE])

The outward and inward codes in the postcode argument should always be separated by a single '+', e.g. 'S9+5JF'. The postcode is not case sensitive.



The screenshot shows the APC Parcel Tracking page. The top navigation bar includes links for Home, Sending a parcel, Receiving a parcel, Contact us, News, About, and Careers. The main header features the APC overnight logo and the tagline 'Delivering for your business'. Below the header, there are tabs for Parcel Tracking, Batched delivery, and C.O.D. The 'Parcel Tracking' tab is active, displaying a 'Tracking' section with a link to 'APC Parcel Tracking Map - click here to view your parcel journey'. Below this, there is a 'Consignment Summary' section with details such as Consignment Number (000000), Dispatch Date (15 May 2018), Number of Parcels (1), Total Weight (kg) (10), Consignment Service Code (NDRS Next Day Standard Parcel), and Sender's Reference (4922285). The 'Parcel Journey' section shows a timeline of events: At Hub (15 May 2018 22:55:10), At Delivery Depot (16 May 2018 06:05:10), and Out for Delivery (16 May 2018 06:10:18). A 'Delivery Summary' section is also visible at the bottom, with a link to 'APC Parcel Tracking Map - click here to view your parcel journey'.

11. APC Helpdesk Contacts

If you require further assistance please contact us.

TEL: 01922 702587

Initial Integration Project Manager : David.Quinton@apc-overnight.com

General Customer Migration Support: CMSTeam@apc-overnight.com

API Technical Support : api_support@apc-overnight.com

Online Training Portal <https://indd.adobe.com/view/b8c42dde-4cbf-4d80-98de-2b2ee8e5739b>

We have sample files available of all the XML/JSON schema that is used with our API calls.

We also have small samples of code using C#, VB and PHP.

Please contact us for further details.