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Version

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Date	**Version**	**Cause**	**Comments**
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2016-02-24	0.02	Change in URLs, Updated codes	
2016-04-28	0.03	Error codes updated	

Contents

1 BEFORE YOU START

1.1 WHY EZY2SHIP WEB SERVICES?

Ezy2ship web services have been designed as an Enterprise Grade solution that caters to a majority of businesses providing a reliable and scalable platform.

The features provided in this integration will improve the performance of your shipping process, eliminate constraints by saving time and consequently, give you flexibility to focus on your customers.

1.2 WEB SERVICE SOAP INTERFACE

Requests and responses to web services are delivered using the Simple Object Access Protocol (SOAP) utilising Web Services Definition Language (WSDL) and the XML Schema Definition language (XSD).

This interface is better for those who prefer Object-Oriented development and are comfortable using Web Services.

1.3 WEB SERVICES CREDENTIALS AND AUTHENTICATION

To use the Ezy2ship web services you are required to have internet connection. Most importantly you will need to have an Ezy2ship Corporate – Credit Terms account with Quantium in order for you to use the web services that are made available to you.

Note that Ezy2ship web services cannot be used if your Ezy2ship Corporate account is set to Online Payment. The Payment will be applicable for Retail users only and corporate customers can't have this option

To identify yourself with Ezy2ship, you will need to use the credentials provided to you by Quantium.

The credentials are composed of:
- Username of your shipping location(To be provided by Quantium)
- Password of your shipping location(To be provided by Quantium)
- CustomerID (To be provided by Quantium)
- AES encryption Key (To be provided by Quantium)

The above information will be used as a form of authentication to be passed in the input parameter to use the web services.

For more information, please refer to section 4.3.

2 INTEGRATION SCENARIOS

2.1 DIRECT CUSTOMER INTEGRATION

2.1.1 Order Management System

As a Quantium customer, you will want to link your order management system to create and print address labels on request. All of this is managed by your order management system and by following the below process, you can manage and print labels through the web services (API) provided in the document with ease. However, do note that you can streamline some of the processes below based on your needs and requirements.

These processes are as follows with 5 major steps:
- Step 1: Orders flow into your order management system
- Step 2: Retrieve and select the desired service that is applicable for each the order. ("GetAvailableServices")
- Step 3: Select Collection mode for the orders. ("GetAvailableCollections", "GetAvailableServicePoints" – if mode selected is 'dropoff')
- Step 4: Create orders and manifests with the above details together with the order details. ("CreateShipment", "AssignShipment")
- Step 5: Retrieve and print labels, documents and manifests. ("GetShipmentLabels", "GetShipmentDocuments", "GetManifest")

All of these actions are driven by your order management system for the above processes.
*Note: for those with "( )" may require your order management system to use the following web services stated to perform the action.

The labels, documents and manifests can be provided in 2 formats:
- **PDF format**: data included in XML tag (label, document and manifest can be stored on your side)
- **Link to label:** Link to PDF file (label, document and manifest is stored on the Ezy2ship server, and is available for use at a later stage).

2.1.2 E-Commerce Websites

As a Quantium customer, you can also link your e-commerce website to use the Ezy2ship system to print the labels and complete the manifest whenever your online customer purchase and confirm his/her order on your e-commerce website.

This process is composed in 3 major steps:
- Step 1: Customers pay its item in shopping cart via the e-commerce website and state their delivery address.
- Step 2: Once order is confirmed, create orders and manifests with the cart details from the customer. Usually, collection mode and service are default in the e-commerce websites unless shipping provided is chargeable by the customer. ("CreateShipment", "AssignShipment")
- Step 3: Retrieve and print labels, documents and manifests via e-commerce administrator portal or these information can be sent back to order management system for further processing. ("GetShipmentLabels", "GetShipmentDocuments", "GetManifest")

All of these actions are driven by your e-commerce website for the above processes.
*Note: for those with "( )" may require your order management system to use the following web services stated to perform the action.

The labels, documents and manifests can be provided in 2 formats:
- **PDF format**: data included in XML tag (label, document and manifest can be stored on your side)

- **Link to label:** Link to PDF file (label, document and manifest is stored on the Ezy2ship server, and is available for use at a later stage).

3 WEB SERVICES FUNCTIONS

3.1 WHAT ARE THE WEB SERVICES I CAN USE?

Ezy2ship provides a total of 11 web services that you can use to build several scenarios depending on your supply chain process.

Do not forget that a complete shipping process is defined at the minimum as per following:
1. Create one or several shipments
2. Get labels (if required)
3. Assign shipments to a collection or lodging solution to create a manifest on sent shipments
4. Get manifest documents (if required)
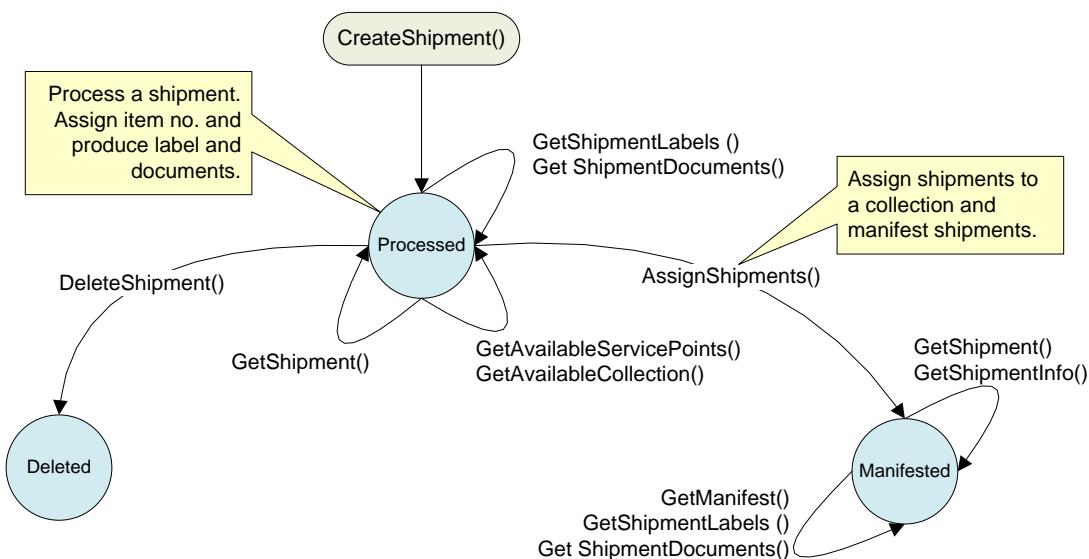
If you do not produce your manifest, your parcels will not be accepted into Quantium network.
It is important that you create a manifest for all sent items by lodging them or organising them to be picked up.

The table below depicts the web services available:

Web Service	Description
Managing Shipment creation	
GetAvailableServices	Get the available services for a shipment.
CreateShipment	Create one or many shipments including carrier/service information.
DeleteShipment	Delete a shipment (recorded or processed)
Processing shipments	
GetAvailableCollections	Retrieve the available collection types allowed for a service.
GetAvailableServicePoints	Retrieve the list of drop-off points for a carrier (Post offices).
AssignShipment	Assign the shipment(s) to a collection or self-lodge and manifest it (them).
Accessing Shipment details	
GetShipmentDocuments	Provide commercial invoice document associated to a shipment
GetShipmentLabels	Provide labels and CN23 (for international shipments) associated to a shipment
GetManifest	Provide the manifest document
GetShipment	Retrieve detailed information for a list of shipments.
GetShipmentsInfo	Provide tracking information for a list of shipments.

The following diagram shows the web service call flow to create and manage shipments.
It shows when web services can be called.

The web service GetAvailableServices() can be used anytime even before creating a shipment.

3.1.1 GetAvailableServices web service

This web service will help you based on origin, destination and details of your item to retrieve possible services.

When do I use this web service?
- when choosing the most appropriate service to perform my shipments
- when providing service selection onto my retail website
- when checking the validity of my shipment data before calling the *createShipment* web service to get the price for the shipment I want to create.

3.1.2 CreateShipment web service

This web service allows you to create one or several shipments and will return a shipment number which represents the barcode for each shipment.

Please note that certain products do not offer tracking.

The shipment number will be required when calling other web services to perform some actions on this shipment. The *getShipmentLabels* web service will return the label as an encoded (base64) PDF or as a URL link to the PDF file.

When do I use this web service?
- each time I want to create one or more shipments

3.1.3 DeleteShipment web service

Once a shipment is created, it is not possible to edit it. If you need to make changes on the created shipment, you will need to delete and create a new shipment.

This web service allows you to delete a shipment you created using the *CreateShipment* web service or the online web interface as long as the shipments number belongs to you.

When do I use this web service?
- When I want to delete a shipment I created
- When I want to update shipment data (as I need to delete it first and create a new one).

3.1.4   GetShipment web service

This web service allows you to retrieve shipment detailed information (send from, send to, shipment details, etc).

When do I use this web service?
- To know detailed information on a shipment.

3.1.5   GetShipmentsInfo web service

This web service allows you to retrieve tracking detailed information on a list of shipments.

When do I use this web service?
- To know the latest tracking status on a shipment or a list of shipments.
- To get the manifest number.

3.1.6   GetAvailableCollections web service

This web service allows you to retrieve the collection possibilities for a shipment based on the customer account number and the service selected.

When do I use this web service?
- To know which are the collection possibilities for a shipment or a list of shipments.

3.1.7   GetAvailableServicePoints web service

This web service allows you to retrieve the list of drop-off points for a country.

When do I use this web service?
- To display the list of available drop-off points.

3.1.8   AssignShipment web service

This web service allows you to assign your shipments to a collection, a drop-off or another solution. The possibilities (collection, fixed scheduled collection, drop-off) will depend on the selected service. The *getAvailableCollection* web service shall be used to get that list.

When do I use this web service?
- To assign the shipments I want to send to a specific pick-up or drop-off

3.1.9   GetShipmentDocuments web service

This web service allows you to retrieve the documents associated with a shipment.

When do I use this web service?
- To print or reprint the documents associated with some shipments

3.1.10 GetShipmentLabels web service

This web service allows you to get the label(s) associated to a shipment.

When do I use this web service?
- To print the label(s) for the created shipments and stick the shipments on parcels.

3.1.11 GetManifest web service

This web service allows you to retrieve a specific manifest by indicating its number.

When do I use this web service?
- To print or reprint the manifest associated with some shipments

4   IMPLEMENT SHIPPING WEB SERVICES

4.1   SOAP LINKS

You can call the web services using the SOAP protocol or directly as XML calls on a dedicated URL.

You will find the tester environment WSDL at:
https://uatapi.ezyparcels.com/ezy2ship/api.wsdl

You will find the production environment WSDL at:
https://api.ezyparcels.com/ezy2ship/api.wsdl

4.2   TICKET (AUTHENTIFICATION TOKEN) CONSTRUCTION

The authentication token is composed of several data and is encrypted and encoded.
It has to be built in your application based on the algorithm (and sample) provided below.

The data required for the token construction are:

- Customer ID: 108.
- User name (provided by Quantium)
- User password (provided by Quantium)
- Current date in format YYYYMMDD
- AES encryption key (provided by Quantium)

Algorithm:

1) Encode User password in SHA1 : `SHA1(User_Password)`

2) concat Customer ID, user name, user password encoded in SHA1 and date:
   `Concat(Customer_Id, User_Name, SHA1(User_Password), DATE(YYYYMMDD))`

3) Encrypt the result of 2) in AES 256 (Rijndael) with padding in CBC mode :
   `MCRYPT_RIJNDAEL_256, MCRYPT_MODE_CBC`

4) Encode the result of 3) in base 64

5) In the result of 4), replace reserved characters :
   a. "+" is replaced by "-"
   b. "/" is replaced by "_"
   c. "=" is replaced by ","

Example:
Below is a detailed example on how to generate a ticket in PHP language.

```php
<?php

$customerId = 108;
$user = "John Doe";
$password = "mysecretpassword";
$aes_key = "NzQ3MGIyOWEyMDk0MzI3Y2RiNzlkMThjZGY5YTJmY2YzNzI1OTQxMw";

date_default_timezone_set("Asia/Singapore");

// 1)    Encode User password in SHA1 : SHA1(User_Password)
$password = sha1($password);

// 2)    concat Customer ID, user name, user password encoded in SHA1 and date
$ticket = $customerId.$user.$password.date('Ymd');

// Get padding and AES Initialization Vector
$IVsize = mcrypt_get_iv_size(MCRYPT_RIJNDAEL_256, MCRYPT_MODE_CBC);
$IV = substr(str_pad($aes_key, $IVsize, $aes_key), 0, $IVsize);

$keySize = mcrypt_get_key_size(MCRYPT_RIJNDAEL_256, MCRYPT_MODE_CBC);
$aes_key = substr(str_pad($aes_key, $keySize, $aes_key), 0, $keySize);

$BlockSize = mcrypt_get_block_size(MCRYPT_RIJNDAEL_256, MCRYPT_MODE_CBC);
$StringLength = strlen($ticket);
$Padding = $BlockSize - ($StringLength % $BlockSize);

// 3)    Encrypt the result of 2) in AES 256 (Rijndael) with padding in CBC mode :
MCRYPT_RIJNDAEL_256, MCRYPT_MODE_CBC
$ticket .= str_repeat(chr($Padding), $Padding);
$ticket = mcrypt_encrypt(MCRYPT_RIJNDAEL_256, $aes_key, $ticket, MCRYPT_MODE_CBC, $IV);

// 4)    Encode the result of 3) in base 64
$ticket = base64_encode($ticket);

// 5)    In the result of 4), replace reserved characters :
$ticket = strtr($ticket, '+/=', '-_,');

echo "Ticket = '$ticket'";

?>
```

How to test the ticket generated is correct?

In order to test that your ticket is correct, use the GetAvailableServicePoints() web service with the generated ticket.

The web services should return the list of drop-off points for a specific country.
If you get the STATUS_INVALID_TICKET error, it means there is an error in the ticket generation code.

4.3   WEB SERVICES DESCRIPTION

4.3.1   getAvailableServices

This service shall be used to get the list of services available for a shipment.

Operation type: *Request-response.* The endpoint receives a message, and sends a correlated message.

4.3.1.1   getavailableservicesRequest

GetavailableservicesRequest (soap:body, use = encoded)

Name	Mandatory / Optional / Conditional	Max # of entry	Allowed Type	Description
① Ticket	Mandatory	1	String	Sender authentication ticket. See §4.3
① TransactionId	Optional	1	String	Transaction Id
① ShipmentData	Mandatory	1:100	Shipment	Detail of shipment This structure can be replicated by the number of shipments to create but no more than **100** at a time.
② ShipmentType	Optional	1	String	Type of shipment
② CarrierCode	Mandatory	1	String	Carrier code of the shipment
② ShipByAddressCode	Mandatory	1	string	Code of the ship by address requesting the shipment. Possibility to indicate a Shipby address created online. If you haven't created any Shipby address, default operational address shall be used: '**OP**'.
② ShipFromAddress	Optional	1	Address	Address from where the shipment is sent.
② ShipToAddress	Optional	1	address	Address to where the shipment is sent (consignee) .
② POPStationCode	Mandatory	1	String	Pop station code of the shipment
② Size	Optional	1	String	Size of the Shipment
② ItemType	Mandatory	1	String	Indicate Document or Package. (See Packing Type codes)

Name	Mandatory / Optional / Conditional	Max # of entry	Allowed Type	Description
② CategoryOfShipment	Optional	1	String	For international shipments define the type of content for customs declaration. (See Category of Shipment codes)
② NatureOfGoods	Optional	1	String	General description of the goods sent when Category of Shipment is set to "Others"
② HandlingUnits	Optional	1	Handling unit	Detail of each type of packing or handling unit
② TotalValue	Optional	1	Float	Total value of all items in currency (value of goods for customs declaration)
② TotalValueCurrency	Optional	1	String	Currency associated to total value
② DeclaredValue	Optional	1	Float	Amount Declared Value (value of goods for customs declaration) in local currency
② AccountNumber	Mandatory	1	String	Provide your Account Number.
② ContractNumber	Optional	1	String	Mail : PPI Number

Example:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:sz="https://singpostuat2-staging.oss.neopost-id.com/modules/oss/api/ship/sz_Client">
  <soapenv:Header/>
  <soapenv:Body>
    <sz:getAvailableServices>
      <Ticket>?</Ticket>
      <ShipmentData>
        <!--Optional:-->
        <ShipmentType>?</ShipmentType>
        <CarrierCode>?</CarrierCode>
        <ShipByAddressCode>?</ShipByAddressCode>
        <ShipFromAddress>
          <!--You may enter the following 5 items in any order-->
          <!--Optional:-->
          <AddressCode>?</AddressCode>
          <!--Optional:-->
          <Postcode>?</Postcode>
          <!--Optional:-->
          <Town>?</Town>
          <!--Optional:-->
          <State>?</State>
          <Country>?</Country>
        </ShipFromAddress>
        <!--You have a CHOICE of the next 2 items at this level-->
        <ShipToAddress>
          <!--You may enter the following 5 items in any order-->
          <!--Optional:-->
          <AddressCode>?</AddressCode>
          <!--Optional:-->
          <Postcode>?</Postcode>
          <!--Optional:-->
          <Town>?</Town>
```

```xml
            <!--Optional:-->
            <State>?</State>
            <Country>?</Country>
         </ShipToAddress>
         <POPStationCode>?</POPStationCode>
         <!--Optional:-->
         <ItemType>?</ItemType>
         <!--Optional:-->
         <Size>?</Size>
         <!--Optional:-->
         <CategoryOfShipment>?</CategoryOfShipment>
         <!--Optional:-->
         <NatureOfGoods>?</NatureOfGoods>
         <HandlingUnits>
            <Weight>?</Weight>
            <!--Optional:-->
            <PackageLength>?</PackageLength>
            <!--Optional:-->
            <PackageWidth>?</PackageWidth>
            <!--Optional:-->
            <PackageHeight>?</PackageHeight>
            <!--Zero or more repetitions:-->
            <ContentDetailItems>
               <!--You may enter the following 9 items in any order-->
               <!--Optional:-->
               <OrderNumber>?</OrderNumber>
               <!--Optional:-->
               <ItemCode>?</ItemCode>
               <!--Optional:-->
               <ItemDescription>?</ItemDescription>
               <!--Optional:-->
               <ItemHSTariffNumber>?</ItemHSTariffNumber>
               <!--Optional:-->
               <CountryOfOrigin>?</CountryOfOrigin>
               <!--Optional:-->
               <ItemWeight>?</ItemWeight>
               <!--Optional:-->
               <ItemQuantity>?</ItemQuantity>
               <!--Optional:-->
               <ItemCurrency>?</ItemCurrency>
               <!--Optional:-->
               <TotalAmount>?</TotalAmount>
            </ContentDetailItems>
         </HandlingUnits>
         <!--Optional:-->
         <DeclaredValue>?</DeclaredValue>
         <!--Optional:-->
         <TotalValue>?</TotalValue>
         <!--Optional:-->
         <TotalValueCurrency>?</TotalValueCurrency>
         <AccountNumber>?</AccountNumber>
         <!--Optional:-->
         <ContractNumber>?</ContractNumber>
      </ShipmentData>
   </sz:getAvailableServices>
  </soapenv:Body>
</soapenv:Envelope>
```

getavailableservicesResponse (soap:body, use = encoded)

Name	Optional	Max # of entry	Allowed Type	Description
① TransactionId	Optional	1	String	Transaction Id
① response	Mandator00 79	1	Response Price	
② code	Mandatory	1	String	Success or Error code (See error codes list)
② message	Mandatory	1	String	Success or Error message (See description in error codes list)
② data	Optional	N	Service	List of available carrier – services.
③ CarrierCode	Optional	1	String	Carrier Code of the shipment
③ CarrierBusinessName	Optional	1	String	Carrier Business name of the shipment
③ ServiceCode	Optional	1	String	Service Code of the shipment
③ ServiceName	Optional	1	String	Service Name of the shipment
③ EstimatedDeliveryDateMin	Mandatory	1	String	Min estimated Delivery date
③ EstimatedDeliveryDateMax	Mandatory	1	String	Max estimated Delivery date
③ DropOffToServicePoint	Mandatory	1	String	Drop Off To Service Point
③ DeliveryAtServicePoint	Mandatory	1	String	Delivery At Service Point
③ Options	Optional	1	String	XML Tag
④ Option	Optional	N	String	XML Tag
⑤ OptionCode	Mandatory	1	String	Option code
⑤ OptionDescription	Optional	1	String	Option description

Example:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:sz="https://singpostuat2-
staging.oss.neopost-id.com/modules/oss/api/ship/sz_Client">
  <soapenv:Header/>
  <soapenv:Body>
    <sz:getAvailableServicesResponse>
      <response>
        <code>?</code>
```

```
    <message>?</message>
    <!--Zero or more repetitions:-->
    <data>
      <!--Optional:-->
      <CarrierCode>?</CarrierCode>
      <!--Optional:-->
      <CarrierBusinessName>?</CarrierBusinessName>
      <!--Optional:-->
      <ServiceCode>?</ServiceCode>
      <!--Optional:-->
      <ServiceName>?</ServiceName>
      <EstimatedDeliveryDateMin>?</EstimatedDeliveryDateMin>
      <EstimatedDeliveryDateMax>?</EstimatedDeliveryDateMax>
      <DropOffToServicePoint>?</DropOffToServicePoint>
      <DeliveryAtServicePoint>?</DeliveryAtServicePoint>
      <DropOffToPOPStation>?</DropOffToPOPStation>
      <!--Optional:-->
      <DeliverToPOPStation>?</DeliverToPOPStation>
      <!--Zero or more repetitions:-->
      <Options>
        <!--Zero or more repetitions:-->
        <Option>
          <!--You may enter the following 2 items in any order-->
          <OptionCode>?</OptionCode>
          <!--Optional:-->
          <OptionDescription>?</OptionDescription>
        </Option>
      </Options>
    </data>
  </response>
 </sz:getAvailableServicesResponse>
 </soapenv:Body>
</soapenv:Envelope>
```

4.3.2   createShipment

This is the structure to support the call to create shipments into Ezy2ship.
This structure supports the creation of one or several shipments (with a maximum of 100 shipments).

This web service returns an array of shipment creation answers.
Shipments created will have a successful return code in the response.
Shipments which failed to be created will be indicated in error in the response with an error code and message to help identifying the issue.

4.3.2.1   createShipmentRequest

createShipmentRequest (soap:body, use = encoded)

Name	Mandatory / Optional / Conditional	Max # of entry	Allowed Type	Description
① TransactionId	Optional	1	String	Transaction Id
① Ticket	Mandatory	1	String	Sender authentication ticket. See §4.3
① ShipmentData	Mandatory	1:100	shipments	ShipmentData data structure

Example:

```xml
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:sz="https://singpostuat2-staging.oss.neopost-id.com/modules/oss/api/ship/sz_Client">
  <soapenv:Header/>
  <soapenv:Body>
    <sz:createShipment>
      <Ticket>?</Ticket>
      <ShipmentData>
        <!--1 to 100 repetitions:-->
        <Shipments>
          <!--Optional:-->
          <ShipmentNumber>?</ShipmentNumber>
          <!--Optional:-->
          <ShipmentType>?</ShipmentType>
          <CarrierCode>?</CarrierCode>
          <ServiceCode>?</ServiceCode>
          <ShipByAddressCode>?</ShipByAddressCode>
          <!--Optional:-->
          <ShowSendByAddressOnLabel>?</ShowSendByAddressOnLabel>
          <ShipFromAddress>
            <!--You may enter the following 12 items in any order-->
            <!--Optional:-->
            <AddressCode>?</AddressCode>
            <Name1>?</Name1>
            <!--Optional:-->
            <Name2>?</Name2>
            <AddressLine1>?</AddressLine1>
            <!--Optional:-->
            <AddressLine2>?</AddressLine2>
            <!--Optional:-->
            <AddressLine3>?</AddressLine3>
            <!--Optional:-->
            <Postcode>?</Postcode>
            <!--Optional:-->
            <Town>?</Town>
            <!--Optional:-->
            <State>?</State>
            <Country>?</Country>
            <Contact>
              <!--You may enter the following 5 items in any order-->
              <!--Optional:-->
              <ContactName>?</ContactName>
              <!--Optional:-->
              <EmailAddress>?</EmailAddress>
              <!--Optional:-->
              <PhoneNumber>?</PhoneNumber>
              <!--Optional:-->
              <AlternatePhoneNo>?</AlternatePhoneNo>
              <!--Optional:-->
              <FaxNumber>?</FaxNumber>
            </Contact>
            <!--Optional:-->
            <VATGSTNumber>?</VATGSTNumber>
          </ShipFromAddress>
          <!--You have a CHOICE of the next 2 items at this level-->
          <ShipToAddress>
            <!--You may enter the following 12 items in any order-->
            <!--Optional:-->
            <AddressCode>?</AddressCode>
            <Name1>?</Name1>
            <!--Optional:-->
            <Name2>?</Name2>
            <AddressLine1>?</AddressLine1>
```

```xml
<!--Optional:-->
<AddressLine2>?</AddressLine2>
<!--Optional:-->
<AddressLine3>?</AddressLine3>
<!--Optional:-->
<Postcode>?</Postcode>
<!--Optional:-->
<Town>?</Town>
<!--Optional:-->
<State>?</State>
<Country>?</Country>
<Contact>
  <!--You may enter the following 5 items in any order-->
  <!--Optional:-->
  <ContactName>?</ContactName>
  <!--Optional:-->
  <EmailAddress>?</EmailAddress>
  <!--Optional:-->
  <PhoneNumber>?</PhoneNumber>
  <!--Optional:-->
  <AlternatePhoneNo>?</AlternatePhoneNo>
  <!--Optional:-->
  <FaxNumber>?</FaxNumber>
</Contact>
<!--Optional:-->
<VATGSTNumber>?</VATGSTNumber>
</ShipToAddress>
<ShipToPOPAddress>
  <!--You may enter the following 5 items in any order-->
  <POPStationCode>?</POPStationCode>
  <Name1>?</Name1>
  <!--Optional:-->
  <Name2>?</Name2>
  <EmailAddress>?</EmailAddress>
  <PhoneNumber>?</PhoneNumber>
</ShipToPOPAddress>
<!--Optional:-->
<DeliveryInstruction>?</DeliveryInstruction>
<!--Optional:-->
<SenderReference>?</SenderReference>
<!--Optional:-->
<ItemType>?</ItemType>
<!--Optional:-->
<Size>?</Size>
<!--Optional:-->
<CategoryOfShipment>?</CategoryOfShipment>
<!--Optional:-->
<NatureOfGoods>?</NatureOfGoods>
<!--Optional:-->
<EmailNotification>?</EmailNotification>
<!--Optional:-->
<EmailNotificationShipper>?</EmailNotificationShipper>
<!--Optional:-->
<EmailNotificationShipperAddress>?</EmailNotificationShipperAddress>
<!--Optional:-->
<EmailNotificationConsignee>?</EmailNotificationConsignee>
<!--Optional:-->
<EmailNotificationConsigneeAddress>?</EmailNotificationConsigneeAddress>
<!--Optional:-->
<EmailNotificationTParty>?</EmailNotificationTParty>
<!--Optional:-->
<EmailNotificationTPartyAddress>?</EmailNotificationTPartyAddress>
```

```xml
<!--Zero or more repetitions:-->
<HandlingUnits>
  <Weight>?</Weight>
  <!--Optional:-->
  <PackageLength>?</PackageLength>
  <!--Optional:-->
  <PackageWidth>?</PackageWidth>
  <!--Optional:-->
  <PackageHeight>?</PackageHeight>
  <!--Zero or more repetitions:-->
  <ContentDetailItems>
    <!--You may enter the following 9 items in any order-->
    <!--Optional:-->
    <OrderNumber>?</OrderNumber>
    <!--Optional:-->
    <ItemCode>?</ItemCode>
    <!--Optional:-->
    <ItemDescription>?</ItemDescription>
    <!--Optional:-->
    <ItemHSTariffNumber>?</ItemHSTariffNumber>
    <!--Optional:-->
    <CountryOfOrigin>?</CountryOfOrigin>
    <!--Optional:-->
    <ItemWeight>?</ItemWeight>
    <!--Optional:-->
    <ItemQuantity>?</ItemQuantity>
    <!--Optional:-->
    <ItemCurrency>?</ItemCurrency>
    <!--Optional:-->
    <TotalAmount>?</TotalAmount>
  </ContentDetailItems>
</HandlingUnits>
<!--Optional:-->
<PaytermIncoterm>?</PaytermIncoterm>
<!--Optional:-->
<InsuredValue>?</InsuredValue>
<!--Optional:-->
<DeclaredValue>?</DeclaredValue>
<!--Optional:-->
<InvoiceNumber>?</InvoiceNumber>
<!--Optional:-->
<CertificateNumber>?</CertificateNumber>
<!--Optional:-->
<ExportLicenseNumber>?</ExportLicenseNumber>
<!--Optional:-->
<TotalValue>?</TotalValue>
<!--Optional:-->
<TotalValueCurrency>?</TotalValueCurrency>
<AccountNumber>?</AccountNumber>
<!--Optional:-->
<ContractNumber>?</ContractNumber>
<!--Optional:-->
<SMSPhoneNumber>?</SMSPhoneNumber>
<!--Optional:-->
<CODAmount>?</CODAmount>
<!--Optional:-->
<IdentificationNumber>?</IdentificationNumber>
<!--Optional:-->
<PaymentMode>?</PaymentMode>
<!--Optional:-->
<TradeIn>?</TradeIn>
<!--Optional:-->
```

```
            <DeliveryDate>?</DeliveryDate>
            <!--Optional:-->
            <DeliveryTime>?</DeliveryTime>
            <Handover>
               <!--You may enter the following 4 items in any order-->
               <!--Optional:-->
               <HandoverMode>?</HandoverMode>
               <!--Optional:-->
               <DropOffDepotCode>?</DropOffDepotCode>
               <CollectionRequest>
                  <!--You may enter the following 3 items in any order-->
                  <CollectionDate>?</CollectionDate>
                  <CollectionTimeFrom>?</CollectionTimeFrom>
                  <CollectionTimeTo>?</CollectionTimeTo>
               </CollectionRequest>
               <!--Optional:-->
               <POPStationCode>?</POPStationCode>
            </Handover>
            <!--Optional:-->
            <TaxID>?</TaxID>
            <!--Optional:-->
            <ProductURL>?</ProductURL>
            <!--Optional:-->
            <ElementList>
               <!--Zero or more repetitions:-->
               <Element>
                  <element_key>?</element_key>
                  <element_value>?</element_value>
               </Element>
            </ElementList>
         </Shipments>
      </ShipmentData>
   </sz:createShipment>
  </soapenv:Body>
</soapenv:Envelope>
```

4.3.2.2 createShipmentResponse

createShipmentResponse (soap:body, use = encoded)

Name	Mandatory / Optional / Conditional	Max # of entry	Allowed Type	Description
① TransactionId	Optional	1	String	Transaction Id
② data	Optional	N	Array status	List of processed shipments
③ code	Mandatory	1	String	Success or Error code (See error codes list)
③ message	Mandatory	1	String	Success or Error message (See description in error codes list)
③ Shipment	Mandatory	N	Shipment	
④ URLTrackTrace	Optional	1	String	URL Track Trace

		Optional	1	String	URL neo Pod
④	URLneoPod	Optional	1	String	URL neo Pod
④	ShipmentNumber	Optional	1	String	Tracking number
④	Reference	Optional	1	String	Reference
④	ManifestNumber	Optional	1	String	Manifest Number
④	CollectionDocket Number	Optional	1	String	Collection Docket Number

Example:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:sz="https://singpostuat2-
staging.oss.neopost-id.com/modules/oss/api/ship/sz_Client">
  <soapenv:Header/>
  <soapenv:Body>
    <sz:createShipmentResponse>
      <!--Optional:-->
      <TransactionId>?</TransactionId>
      <response>
        <!--Zero or more repetitions:-->
        <data>
          <code>?</code>
          <message>?</message>
          <!--0 to 100 repetitions:-->
          <Shipment>
            <!--You may enter the following 5 items in any order-->
            <!--Optional:-->
            <URLTrackTrace>?</URLTrackTrace>
            <!--Optional:-->
            <URLneoPod>?</URLneoPod>
      <!--Optional:-->
            <ShipmentNumber>?</ShipmentNumber>
            <!--Optional:-->
            <Reference>?</Reference>
            <!--Optional:-->
            <ManifestNumber>?</ManifestNumber>
            <!--Optional:-->
            <CollectionDocketNumber>?</CollectionDocketNumber>
          </Shipment>
        </data>
      </response>
    </sz:createShipmentResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

4.3.3   deleteShipment

This web service allows you to delete a shipment.
The shipment can only be deleted if it is not manifested (see diagram in section 3.1).

4.3.3.1   deleteShipmentRequest

deleteShipmentRequest (soap:body, use = encoded)

Name	Mandatory / Optional / Conditional	Max # of entry	Allowed Type	Description
① TransactionId	Optional	1	String	Transaction Id
① Ticket	Mandatory	1	String	Sender authentication ticket. See §4.3
① ShipmentNumber	Mandatory	1	String	Shipment number

Example:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:sz="https://singpostuat2-staging.oss.neopost-id.com/modules/oss/api/ship/sz_Client">
  <soapenv:Header/>
  <soapenv:Body>
    <sz:deleteShipment>
      <!--Optional:-->
      <TransactionId>?</TransactionId>
      <Ticket>?</Ticket>
      <ShipmentNumber>?</ShipmentNumber>
    </sz:deleteShipment>
  </soapenv:Body>
</soapenv:Envelope>
```

4.3.3.2   deleteShipmentResponse

deleteShipmentResponse (soap:body, use = encoded)

Name	Optional	Max # of entry	Allowed Type	Description
① TransactionId	Optional	1	String	Transaction Id
① response	Mandatory	1	Response String	
② code	Mandatory	1	String	Success or Error code (See error codes list)
② message	Mandatory	1	String	Success or Error message (see description in error codes list)
② data	Optional	1	string	Always empty.

Example:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:sz="https://singpostuat2-staging.oss.neopost-id.com/modules/oss/api/ship/sz_Client">
  <soapenv:Header/>
  <soapenv:Body>
    <sz:deleteShipmentResponse>
      <!--Optional:-->
      <TransactionId>?</TransactionId>
      <response>
```

```
    <!--You may enter the following 3 items in any order-->
    <code>?</code>
    <message>?</message>
    <!--Optional:-->
    <data>?</data>
  </response>
 </sz:deleteShipmentResponse>
 </soapenv:Body>
</soapenv:Envelope>
```

4.3.4   getAvailableServicePoints

This web service will allow retrieving the drop-off locations for a specific Quantium country. When a state and/or a postcode are provided in the request, it will return the list of drop-off locations that are allowed for drop-off from this state/postcode.

Operation type: *Request-response.* The endpoint receives a message, and sends a correlated message.

4.3.4.1   getAvailableServicePointsRequest

getAvailableServicePointsRequest (soap:body, use = encoded)

Name	Mandatory / Optional / Conditional	Max # of entry	Allowed Type	Description
① TransactionId	Optional	1	String	Transaction Id
① Ticket	Mandatory	1	String	Sender authentication ticket. See §4.3
① ServicePointData	Mandatory	1	ServicePointData	Service Point Data for the service point request
② CarrierCode	Mandatory	1	String	Carrier Code of Service Point Data
② Type	Mandatory	1	String	Type of Service Point Data
② PopSearchType	Mandatory	1	String	Pop Search Type of Service Point Data
② PopSearchValue	Mandatory	1	String	Pop Search Value of Service Point Data
② Postcode	Optional	1	String	
② Country	Optional	1	String	

Example:
```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:sz="https://singpostuat2-
staging.oss.neopost-id.com/modules/oss/api/ship/sz_Client">
  <soapenv:Header/>
  <soapenv:Body>
    <sz:getAvailableServicePoints>
```

```
      <Ticket>?</Ticket>
      <ServicePointData>
        <!--You may enter the following 6 items in any order-->
        <CarrierCode>?</CarrierCode>
        <!--Optional:-->
        <Type>?</Type>
        <PopSearchType>?</PopSearchType>
        <PopSearchValue>?</PopSearchValue>
        <!--Optional:-->
        <postcode>?</postcode>
        <!--Optional:-->
        <Country>?</Country>
      </ServicePointData>
    </sz:getAvailableServicePoints>
  </soapenv:Body>
</soapenv:Envelope>
```

4.3.4.2   getAvailableServicePointsResponse

getAvailableServicePointsResponse (soap:body, use = encoded)

Name	Optional	Max # of entry	Allowed Type	Description
① TransactionId	Optional	1	String	Transaction Id
① return	Mandatory	1	responseAvailableServicePoints	
② code	Mandatory	1	String	Success or Error code (see error codes list)
② message	Mandatory	1	String	Success or Error message (see description in error codes list)
② data	Mandatory	N	servicePoints	See ServicePoinsData

Example:
```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:sz="https://singpostuat2-
staging.oss.neopost-id.com/modules/oss/api/ship/sz_Client">
  <soapenv:Header/>
  <soapenv:Body>
    <sz:getAvailableServicePointsResponse>
      <!--Optional:-->
      <TransactionId>?</TransactionId>
      <response>
        <code>?</code>
        <message>?</message>
        <!--Zero or more repetitions:-->
        <data>
          <!--You may enter the following 12 items in any order-->
          <!--Optional:-->
          <ServicePointCode>?</ServicePointCode>
          <!--Optional:-->
          <ServicePointName>?</ServicePointName>
          <!--Optional:-->
```

```
        <address1>?</address1>
        <!--Optional:-->
        <address2>?</address2>
        <!--Optional:-->
        <address3>?</address3>
        <!--Optional:-->
        <country>?</country>
        <!--Optional:-->
        <state>?</state>
        <!--Optional:-->
        <postcode>?</postcode>
        <!--Optional:-->
        <town>?</town>
        <!--Optional:-->
        <location>?</location>
        <!--Optional:-->
        <opendaysandhours>?</opendaysandhours>
      </data>
    </response>
  </sz:getAvailableServicePointsResponse>
 </soapenv:Body>
</soapenv:Envelope>
```

4.3.5   getShipment

This web service is used to retrieve shipment detailed information.

Operation type: *Request-response.* The endpoint receives a message, and sends a correlated message.

4.3.5.1   getshipmentRequest

getshipmentRequest (soap:body, use = encoded)

Name	Mandatory / Optional / Conditional	Max # of entry	Allowed Type	Description
① TransactionId	Optional	1	String	Transaction Id
① Ticket	Mandatory	1	String	Sender authentication ticket. See §4.3
① ShipmentNumber	Mandatory	1	String	Shipment number

Example:
```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:sz="https://singpostuat2-
staging.oss.neopost-id.com/modules/oss/api/ship/sz_Client">
  <soapenv:Header/>
  <soapenv:Body>
    <sz:getShipment>
      <!--Optional:-->
      <TransactionId>?</TransactionId>
      <Ticket>?</Ticket>
      <ShipmentNumber>?</ShipmentNumber>
    </sz:getShipment>
  </soapenv:Body>
</soapenv:Envelope>
```

4.3.5.2 getshipmentResponse

getshipmentResponse (soap:body, use = encoded)

Name	Optional	Max # of entry	Allowed Type	Description
① TransactionId	Optional	1	String	Transaction Id
① return	Mandatory	1	Response Shipment	
② code	Mandatory	1	String	Success or Error code (see error codes list)
② message	Mandatory	1	String	Success or Error message (see description in error codes list)
② Data	Optional	1	shipment Response	ShipmentData data structure
② CollectionDocketNumber	Optional	1	String	Available only if mode of collection is Collection_Request

Example:
```xml
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:sz="https://singpostuat2-staging.oss.neopost-id.com/modules/oss/api/ship/sz_Client">
  <soapenv:Header/>
  <soapenv:Body>
    <sz:getShipmentResponse>
      <return>
        <!--You may enter the following 3 items in any order-->
        <code>?</code>
        <message>?</message>
        <!--Optional:-->
        <data>
          <!--Optional:-->
          <ShipmentNumber>?</ShipmentNumber>
          <!--Optional:-->
          <ShipmentType>?</ShipmentType>
          <!--Optional:-->
          <CarrierCode>?</CarrierCode>
          <!--Optional:-->
          <ServiceCode>?</ServiceCode>
          <!--Optional:-->
          <ShipByAddressCode>?</ShipByAddressCode>
          <!--Optional:-->
          <ShipFromAddress>
            <!--You may enter the following 12 items in any order-->
            <!--Optional:-->
            <AddressCode>?</AddressCode>
            <Name1>?</Name1>
            <!--Optional:-->
            <Name2>?</Name2>
            <AddressLine1>?</AddressLine1>
            <!--Optional:-->
            <AddressLine2>?</AddressLine2>
```

```xml
<!--Optional:-->
<AddressLine3>?</AddressLine3>
<!--Optional:-->
<Postcode>?</Postcode>
<!--Optional:-->
<Town>?</Town>
<!--Optional:-->
<State>?</State>
<Country>?</Country>
<Contact>
  <!--You may enter the following 5 items in any order-->
  <!--Optional:-->
  <ContactName>?</ContactName>
  <!--Optional:-->
  <EmailAddress>?</EmailAddress>
  <!--Optional:-->
  <PhoneNumber>?</PhoneNumber>
  <!--Optional:-->
  <AlternatePhoneNo>?</AlternatePhoneNo>
  <!--Optional:-->
  <FaxNumber>?</FaxNumber>
</Contact>
<!--Optional:-->
<VATGSTNumber>?</VATGSTNumber>
</ShipFromAddress>
<!--Optional:-->
<ShipToAddress>
  <!--You may enter the following 12 items in any order-->
  <!--Optional:-->
  <AddressCode>?</AddressCode>
  <Name1>?</Name1>
  <!--Optional:-->
  <Name2>?</Name2>
  <AddressLine1>?</AddressLine1>
  <!--Optional:-->
  <AddressLine2>?</AddressLine2>
  <!--Optional:-->
  <AddressLine3>?</AddressLine3>
  <!--Optional:-->
  <Postcode>?</Postcode>
  <!--Optional:-->
  <Town>?</Town>
  <!--Optional:-->
  <State>?</State>
  <Country>?</Country>
  <Contact>
    <!--You may enter the following 5 items in any order-->
    <!--Optional:-->
    <ContactName>?</ContactName>
    <!--Optional:-->
    <EmailAddress>?</EmailAddress>
    <!--Optional:-->
    <PhoneNumber>?</PhoneNumber>
    <!--Optional:-->
    <AlternatePhoneNo>?</AlternatePhoneNo>
    <!--Optional:-->
    <FaxNumber>?</FaxNumber>
  </Contact>
  <!--Optional:-->
  <VATGSTNumber>?</VATGSTNumber>
</ShipToAddress>
<!--Optional:-->
```

```xml
<DeliveryInstruction>?</DeliveryInstruction>
<!--Optional:-->
<SenderReference>?</SenderReference>
<!--Optional:-->
<CategoryOfShipment>?</CategoryOfShipment>
<!--Optional:-->
<NatureOfGoods>?</NatureOfGoods>
<!--Optional:-->
<ItemType>?</ItemType>
<!--Optional:-->
<Size>?</Size>
<!--Optional:-->
<ShippingDate>?</ShippingDate>
<!--Optional:-->
<EmailNotification>?</EmailNotification>
<!--Optional:-->
<EmailNotificationShipper>?</EmailNotificationShipper>
<!--Optional:-->
<EmailNotificationShipperAddress>?</EmailNotificationShipperAddress>
<!--Optional:-->
<EmailNotificationConsignee>?</EmailNotificationConsignee>
<!--Optional:-->
<EmailNotificationConsigneeAddress>?</EmailNotificationConsigneeAddress>
<!--Optional:-->
<EmailNotificationTParty>?</EmailNotificationTParty>
<!--Optional:-->
<EmailNotificationTPartyAddress>?</EmailNotificationTPartyAddress>
<!--Zero or more repetitions:-->
<HandlingUnits>
  <!--Optional:-->
  <TrackingNumber>?</TrackingNumber>
  <Weight>?</Weight>
  <!--Optional:-->
  <PackageLength>?</PackageLength>
  <!--Optional:-->
  <PackageWidth>?</PackageWidth>
  <!--Optional:-->
  <PackageHeight>?</PackageHeight>
  <!--Optional:-->
  <Volume>?</Volume>
  <!--Zero or more repetitions:-->
  <ContentDetailItems>
    <!--You may enter the following 9 items in any order-->
    <!--Optional:-->
    <OrderNumber>?</OrderNumber>
    <!--Optional:-->
    <ItemCode>?</ItemCode>
    <!--Optional:-->
    <ItemDescription>?</ItemDescription>
    <!--Optional:-->
    <ItemHSTariffNumber>?</ItemHSTariffNumber>
    <!--Optional:-->
    <CountryOfOrigin>?</CountryOfOrigin>
    <!--Optional:-->
    <ItemWeight>?</ItemWeight>
    <!--Optional:-->
    <ItemQuantity>?</ItemQuantity>
    <!--Optional:-->
    <ItemCurrency>?</ItemCurrency>
    <!--Optional:-->
    <TotalAmount>?</TotalAmount>
  </ContentDetailItems>
```

```
        </HandlingUnits>
        <!--Optional:-->
        <PaytermIncoterm>?</PaytermIncoterm>
        <!--Optional:-->
        <InsuredValue>?</InsuredValue>
        <!--Optional:-->
        <DeclaredValue>?</DeclaredValue>
        <!--Optional:-->
        <InvoiceNumber>?</InvoiceNumber>
        <!--Optional:-->
        <CertificateNumber>?</CertificateNumber>
        <!--Optional:-->
        <ExportLicenseNumber>?</ExportLicenseNumber>
        <!--Optional:-->
        <TotalValue>?</TotalValue>
        <!--Optional:-->
        <TotalValueCurrency>?</TotalValueCurrency>
        <!--Optional:-->
        <AccountNumber>?</AccountNumber>
        <!--Optional:-->
        <ContractNumber>?</ContractNumber>
        <!--Optional:-->
        <CollectionType>?</CollectionType>
        <!--Optional:-->
        <CollectionDate>?</CollectionDate>
        <!--Optional:-->
        <CollectionTimeFrom>?</CollectionTimeFrom>
        <!--Optional:-->
        <CollectionTimeTo>?</CollectionTimeTo>
        <!--Optional:-->
        <HandoverDpspCode>?</HandoverDpspCode>
        <!--Optional:-->
        <CollectionDocketNumber>?</CollectionDocketNumber>
      </data>
    </return>
  </sz:getShipmentResponse>
 </soapenv:Body>
</soapenv:Envelope>
```

4.3.6   getShipmentDocuments

This web service will allow retrieving the commercial invoice document associated to a shipment.

There are 2 output possibilities:
  • Get a link to a PDF file containing the documents,
  • Get the documents content in an encoded structure (see below with response)

Operation type: *Request-response.* The endpoint receives a message, and sends a correlated message.

4.3.6.1   getShipmentDocumentsRequest

getShipmentDocumentsRequest (soap:body, use = encoded)

Name	Mandatory / Optional / Conditional	Max # of entry	Allowed Type	Description

Name	Mandatory / Optional / Conditional	Max # of entry	Allowed Type	Description
① TransactionId	Optional	1	String	Transaction Id
① Ticket	Mandatory	1	String	Sender authentication ticket. See §4.3
① ShipmentNumber	Mandatory	1	String	
① Link	Mandatory	1	Boolean	**Yes**: Request a link to the documents. **No**: the documents PDF is encoded in base64 and sent in the answer.

Example:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:sz="https://singpostuat2-
staging.oss.neopost-id.com/modules/oss/api/ship/sz_Client">
  <soapenv:Header/>
  <soapenv:Body>
    <sz:getShipmentDocuments>
      <!--Optional:-->
      <TransactionId>?</TransactionId>
      <Ticket>?</Ticket>
      <ShipmentNumber>?</ShipmentNumber>
      <Link>?</Link>
    </sz:getShipmentDocuments>
  </soapenv:Body>
</soapenv:Envelope>
```

4.3.6.2   getShipmentDocumentsResponse

getShipmentDocumentsResponse (soap:body, use = encoded)

Name	Optional	Max # of entry	Allowed Type	Description
① TransactionId	Optional	1	String	Transaction Id
① return	Mandatory	1	Response String	
② code	Mandatory	1	String	Success or Error code (see error codes list)
② message	Mandatory	1	String	Success or Error message (see description in error codes list)
② data	Optional	1	String	Depending on link value in request, data will contain either : - a link to the document - the content of the documents PDF file encoded in base64

Example:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:sz="https://singpostuat2-
staging.oss.neopost-id.com/modules/oss/api/ship/sz_Client">
  <soapenv:Header/>
```

```
<soapenv:Body>
  <sz:getShipmentDocumentsResponse>
    <!--Optional:-->
    <TransactionId>?</TransactionId>
    <return>
      <!--You may enter the following 3 items in any order-->
      <code>?</code>
      <message>?</message>
      <!--Optional:-->
      <data>?</data>
    </return>
  </sz:getShipmentDocumentsResponse>
</soapenv:Body>
</soapenv:Envelope>
```

Displaying the encoded PDF content returned:

The code example below shows how to display the PDF content in a new page.

```php
<?php if(isset($_POST['content']) and $_POST['content']):
header('Content-type: application/pdf');
echo base64_decode($_POST['content']);exit();
endif;
?>
```

Saving the encoded PDF content returned in a PDF file:

```
// call web service and get response
…
// save into file
file_put_contents('document.pdf', base64_decode(__PDF_CONTENT__))
```

4.3.7 getShipmentLabels

This web service will allow retrieving the labels and CN23 (custom document for international shipments) associated to a shipment.

There are 2 output possibilities:
- Get a link to a PDF file containing the documents,
- Get the documents content in an encoded structure (see below with response)

Operation type: *Request-response.* The endpoint receives a message, and sends a correlated message.

4.3.7.1 getShipmentLabelsRequest

getShipmentLabelsRequest (soap:body, use = encoded)

Name	Mandatory / Optional / Conditional	Max # of entry	Allowed Type	Description
① TransactionId	Optional	1	String	Transaction Id
① Ticket	Mandatory	1	String	Sender authentification ticket. See §4.3
① ShipmentNumber	Mandatory	1	String	Shipment Number

Name	Mandatory / Optional / Conditional	Max # of entry	Allowed Type	Description
① Link	Mandatory	1	Boolean	Yes : Request a link to the labels No : the labels PDF is encoded in base64 and sent in the answer

Example:
```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:sz="https://singpostuat2-staging.oss.neopost-id.com/modules/oss/api/ship/sz_Client">
  <soapenv:Header/>
  <soapenv:Body>
    <sz:getShipmentLabels>
      <!--Optional:-->
      <TransactionId>?</TransactionId>
      <Ticket>?</Ticket>
      <ShipmentNumber>?</ShipmentNumber>
      <Link>?</Link>
    </sz:getShipmentLabels>
  </soapenv:Body>
</soapenv:Envelope>
```

4.3.7.2 getShipmentLabelsResponse

getShipmentLabelsResponse (soap:body, use = encoded)

Name	Optional	Max # of entry	Allowed Type	Description
① TransactionId	Optional	1	String	Transaction Id
① return	Mandatory	1	Response String	
② message	Mandatory	1	String	Success or Error message (See description in error codes list)
② data	Optional	1	String	Depending on link value in request, data will contain either : - a link to the label - the content of the labels' PDF file encoded in base64

Example:
```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:sz="https://singpostuat2-staging.oss.neopost-id.com/modules/oss/api/ship/sz_Client">
  <soapenv:Header/>
  <soapenv:Body>
    <sz:getShipmentLabelsResponse>
      <!--Optional:-->
      <TransactionId>?</TransactionId>
      <return>
        <!--You may enter the following 3 items in any order-->
        <code>?</code>
```

```
        <message>?</message>
        <!--Optional:-->
        <data>?</data>
      </return>
    </sz:getShipmentLabelsResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

Displaying the encoded PDF content returned:

The code example below shows how to display the PDF content in a new page.

```php
<?php if(isset($_POST['content']) and $_POST['content']):

header('Content-type: application/pdf');

echo base64_decode($_POST['content']);exit();

endif;

?>
```

Saving the encoded PDF content returned in a PDF file:

```php
// call web service and get response
…
// save into file
file_put_contents('document.pdf', base64_decode(__PDF_CONTENT__))
```

4.3.8   getShipmentsInfo

This service provides tracking information on a list of shipments.

Operation type: *Request-response.* The endpoint receives a message, and sends a correlated message.

4.3.8.1   getShipmentsInfoRequest

getShipmentsInfoRequest (soap:body, use = encoded)

Name	Mandatory / Optional / Conditional	Max # of entry	Allowed Type	Description
① TransactionId	Optional	1	String	Transaction Id
① Ticket	Mandatory	1	String	Sender authentication ticket. See §4.3
① ShipmentNumbers	Mandatory	1	Shipment Numbers	List of user's shipment numbers
② ShipmentNumber	Mandatory	N	String	Shipment number

Example:
```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:sz="https://singpostuat2-
staging.oss.neopost-id.com/modules/oss/api/ship/sz_Client">
  <soapenv:Header/>
  <soapenv:Body>
    <sz:getShipmentsInfo>
      <!--Optional:-->
      <TransactionId>?</TransactionId>
      <Ticket>?</Ticket>
      <ShipmentNumbers>
        <!--1 or more repetitions:-->
        <ShipmentNumber>?</ShipmentNumber>
      </ShipmentNumbers>
    </sz:getShipmentsInfo>
  </soapenv:Body>
</soapenv:Envelope>
```

4.3.8.2   getShipmentsInfoResponse

getShipmentsInfoResponse (soap:body, use = encoded)

Name	Optional	Max # of entry	Allowed Type	Description
① TransactionId	Optional	1	String	Transaction Id

Name	Optional	Max # of entry	Allowed Type	Description
① response	Mandatory	1	Response GetShipment Info	
② code	Mandatory	1	string	Code Shipment found or not (see error codes list)
② message	Mandatory	1	String	Message shipment found or not (see description in error codes list)
② data	Mandatory	1	string	Code Shipment found or not (see error codes list)
③ code	Mandatory	1	string	Code Shipment found or not (see error codes list)
③ message	Mandatory	1	String	Message shipment found or not (see description in error codes list)
③ ShipmentInfoData	Optional	N	Response ShipmentInfo Data	ShipmentInfoData data structure

Example:
```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:sz="https://singpostuat2-staging.oss.neopost-id.com/modules/oss/api/ship/sz_Client">
  <soapenv:Header/>
  <soapenv:Body>
    <sz:getShipmentsInfoResponse>
      <!--Optional:-->
      <TransactionId>?</TransactionId>
      <response>
        <code>?</code>
        <message>?</message>
        <!--Zero or more repetitions:-->
        <data>
          <original_reference>?</original_reference>
          <code>?</code>
          <message>?</message>
          <!--Zero or more repetitions:-->
          <ShipmentInfoData>
            <!--You may enter the following 4 items in any order-->
            <Reference>?</Reference>
            <ShipmentNumber>?</ShipmentNumber>
            <!--Optional:-->
            <TrackTrace>
              <!--Zero or more repetitions:-->
              <Event>
                <!--You may enter the following 5 items in any order-->
                <EventCode>?</EventCode>
                <EventName>?</EventName>
                <!--Optional:-->
                <EventDate>?</EventDate>
                <!--Optional:-->
                <EventTime>?</EventTime>
                <!--Optional:-->
                <EventSignatoryName>?</EventSignatoryName>
```

```
        </Event>
      </TrackTrace>
      <ManifestNumber>?</ManifestNumber>
     </ShipmentInfoData>
    </data>
   </response>
  </sz:getShipmentsInfoResponse>
 </soapenv:Body>
</soapenv:Envelope>
```

4.3.9   getAvailableCollections

This web service returns the allowed collection possibilities based on the customer account number and the service selected.

When no preferred date is provided, the web service uses today's date as *PreferredCollectionDate* Operation type: *Request-response.* The endpoint receives a message, and sends a correlated message.

4.3.9.1   getavailablecollectionsRequest

getavailablecollectionsRequest (soap:body, use = encoded)

Name	Mandatory / Optional / Conditional	Max # of entry	Allowed Type	Description
① TransactionId	Optional	1	String	Transaction Id
① Ticket	Mandatory	1	String	Sender authentication ticket. See §4.3
① CollectionData	Mandatory	1	Collection Data	Collection Data
② AccountNumber	Mandatory	1	String	Account Number
② CarrierCode	Mandatory	1	String	Carrier Code
② ServiceCode	Mandatory	1	String	Service codes are returned by getAvailableServices().
② PreferredCollectionDate	Optional	1	String	Preferred Collection Date

Example:
```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:sz="https://singpostuat2-
staging.oss.neopost-id.com/modules/oss/api/ship/sz_Client">
  <soapenv:Header/>
  <soapenv:Body>
   <sz:getAvailableCollections>
     <!--Optional:-->
     <TransactionId>?</TransactionId>
     <Ticket>?</Ticket>
     <CollectionData>
       <!--You may enter the following 4 items in any order-->
       <AccountNumber>?</AccountNumber>
```

```
      <CarrierCode>?</CarrierCode>
      <ServiceCode>?</ServiceCode>
      <!--Optional:-->
      <PreferredCollectionDate>?</PreferredCollectionDate>
    </CollectionData>
   </sz:getAvailableCollections>
  </soapenv:Body>
</soapenv:Envelope>
```

4.3.9.2   getavailablecollectionsResponse

getavailablecollectionsResponse (soap:body, use = encoded)

Name	Optional	Max # of entry	Allowed Type	Description
① TransactionId	Optional	1	String	Transaction Id
① response	Mandatory	1	response String	response
② code	Mandatory	1	String	Success or Error code (See error codes list)
② message	Mandatory	1	String	Success or Error message (see description in error codes list)
② data	Optional	N	Reference	List of requested reference
③ DropOff	Mandatory	1	Boolean	0 = Not available 1 = Available
③ FixedScheduled	Mandatory	1	Boolean	0 = Not available 1 = Available
③ CMMRequest	Mandatory	1	Boolean	0 = Not available 1 = Available
③ SelfLodge	Mandatory	1	Boolean	0 = Not available 1 = Available
③ CollectionRequest	Mandatory	1	Boolean	0 = Not available 1 = Available
④ Available	Mandatory	1	Boolean	0 = Not available 1 = Available
④ CollectionSlots	Optional	1	Collection Slots	Collection Slots
⑤ Slot	Mandatory	1	Collection Slots	Collection Slots
⑥ Collection Date	Mandatory	1	String	Collection Date
⑥ Collection TimeFrom	Mandatory	1	String	Collection Time From
⑥ Collection TimeTo	Mandatory	1	String	Collection Time To

Example:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:sz="https://singpostuat2-
staging.oss.neopost-id.com/modules/oss/api/ship/sz_Client">
```

```xml
<soapenv:Header/>
<soapenv:Body>
  <sz:getAvailableServicesResponse>
    <!--Optional:-->
    <TransactionId>?</TransactionId>
    <response>
      <code>?</code>
      <message>?</message>
      <!--Zero or more repetitions:-->
      <data>
        <!--Optional:-->
        <CarrierCode>?</CarrierCode>
        <!--Optional:-->
        <CarrierBusinessName>?</CarrierBusinessName>
        <!--Optional:-->
        <ServiceCode>?</ServiceCode>
        <!--Optional:-->
        <ServiceName>?</ServiceName>
        <EstimatedDeliveryDateMin>?</EstimatedDeliveryDateMin>
        <EstimatedDeliveryDateMax>?</EstimatedDeliveryDateMax>
        <DropOffToServicePoint>?</DropOffToServicePoint>
        <DeliveryAtServicePoint>?</DeliveryAtServicePoint>
        <DropOffToPOPStation>?</DropOffToPOPStation>
        <!--Optional:-->
        <DeliverToPOPStation>?</DeliverToPOPStation>
        <DropOffToServicePoint>?</DropOffToServicePoint>
        <DeliveryAtServicePoint>?</DeliveryAtServicePoint>
        <DropOffToPOPStation>?</DropOffToPOPStation>
        <!--Optional:-->
        <DeliverToPOPStation>?</DeliverToPOPStation>
        <!--Optional:-->
        <thirdPartyPickup>?</thirdPartyPickup>
        <!--Optional:-->
        <fixedScheduledPickup>?</fixedScheduledPickup>
        <!--Optional:-->
        <dropOffAtQsBranch>?</dropOffAtQsBranch>
        <!--Optional:-->
        <dropOffAtConStore>?</dropOffAtConStore>
        <!--Optional:-->
        <deliveryAtConStore>?</deliveryAtConStore>
        <!--Optional:-->
        <deliveryAtConStore>?</deliveryAtConStore>
        <!--Optional:-->
        <deliveryAtHome>?</deliveryAtHome>
        <!--Optional:-->
        <maxInsurrance>?</maxInsurrance>
        <!--Optional:-->
        <PostageAmount>?</PostageAmount>
        <!--Optional:-->
        <SurchargeAmount>?</SurchargeAmount>
        <!--Optional:-->
        <DefaultCurrency>?</DefaultCurrency>
        <!--Zero or more repetitions:-->
        <Options>
          <!--Zero or more repetitions:-->
          <Option>
            <!--You may enter the following 5 items in any order-->
            <OptionCode>?</OptionCode>
            <!--Optional:-->
            <OptionDescription>?</OptionDescription>
            <!--Optional:-->
            <PostageAmount>?</PostageAmount>
```

```
           <!--Optional:-->
           <SurchargeAmount>?</SurchargeAmount>
           <!--Optional:-->
           <DefaultCurrency>?</DefaultCurrency>
         </Option>
       </Options>
     </data>
   </response>
  </sz:getAvailableServicesResponse>
 </soapenv:Body>
</soapenv:Envelope>
```

4.3.10 AssignShipments

This service shall be used to assign shipments to a collection.

The collection type parameter shall indicate which type of collection used
- Collection request = COLLECTION_REQUEST
- Fixed Scheduled collection = FIXED_SCHEDULED,
- Drop-off at a location = DROPOFF

Operation type: *Request-response.* The endpoint receives a message, and sends a correlated message.

4.3.10.1 assignShipmentsRequest

assignShipmentsRequest (soap:body, use = encoded)

Name	Mandatory / Optional / Conditional	Max # of entry	Allowed Type	Description
① TransactionId	Optional	1	String	Transaction Id
① Ticket	Mandatory	1	String	Sender authentification ticket. See §4.3
① Data	Mandatory	1	String	Data
② CollectionType	Mandatory	1	criteria	See Handover modes list
② CollectionRequest	Optional	1	String	Required if CollectionType = COLLECTION_REQUEST
③ CollectionDate	Mandatory	1	String	Format YYYY-MM-DD
③ CollectionTimeFrom	Mandatory	1	String	Collection Time From
③ CollectionTimeTo	Mandatory	1	String	Collection Time To
② DropOff	Optional	1	String	If CollectionType = DROPOFF
③ DropOffPointCode	Mandatory	1	String	Drop-off code (See Drop-off codes list)
② CMMCollectionRequest	Optional	1	String	CMMCollectionRequest
③ RequesterName	Mandatory	1	String	Requester Name

Name	Mandatory / Optional / Conditional	Max # of entry	Allowed Type	Description
③ ContactNumber	Mandatory	1	String	Contact Number
③ CollectionDate	Mandatory	1	String	Collection Date
② POPStation	Optional	1	Boolean	POP Station
③ PopStationPointCode	Mandatory	1	String	Pop Station Point Code
② Shipments	Optional	1	String	Shipments
③ ShipmentNumber	Optional	100	string	Shipment Number

Example:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:sz="https://singpostuat2-
staging.oss.neopost-id.com/modules/oss/api/ship/sz_Client">
  <soapenv:Header/>
  <soapenv:Body>
    <sz:assignShipments>
      <Ticket>?</Ticket>
      <data>
        <!--You may enter the following 6 items in any order-->
        <CollectionType>?</CollectionType>
        <CollectionRequest>
          <!--You may enter the following 3 items in any order-->
          <CollectionDate>?</CollectionDate>
          <CollectionTimeFrom>?</CollectionTimeFrom>
          <CollectionTimeTo>?</CollectionTimeTo>
        </CollectionRequest>
        <!--Optional:-->
        <DropOff>
          <DropOffPointCode>?</DropOffPointCode>
        </DropOff>
        <!--Optional:-->
        <CMMCollectionRequest>
          <!--You may enter the following 3 items in any order-->
          <RequesterName>?</RequesterName>
          <ContactNumber>?</ContactNumber>
          <CollectionDate>?</CollectionDate>
        </CMMCollectionRequest>
        <!--Optional:-->
        <POPStation>
          <PopStationPointCode>?</PopStationPointCode>
        </POPStation>
        <Shipments>
          <!--1 or more repetitions:-->
          <ShipmentNumber>?</ShipmentNumber>
        </Shipments>
      </data>
    </sz:assignShipments>
  </soapenv:Body>
</soapenv:Envelope>
```

4.3.10.2 assignShipmentResponse

assignShipmentResponse (soap:body, use = encoded)

Name	Optional	Max # of entry	Allowed Type	Description
① TransactionId	Optional	1	String	Transaction Id
① response	Mandatory	1	response String	response
① ShipmentAssigns	Mandatory	N	Shipment Assigns	Shipment Assigns
② code	Mandatory	1	String	Success or Error code (See error codes list)
② message	Mandatory	1	String	Success or Error message (See description in error codes list)
② ManifestNumber	Optional	1	String	Manifest Number
② ShipmentNumber	Optional	N	String	Shipment Number
② CollectionDocketNumber	Optional	1	String	Collection docket number. Available only if mode of collection is Collection_Request

Example:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:sz="https://singpostuat2-staging.oss.neopost-id.com/modules/oss/api/ship/sz_Client">
  <soapenv:Header/>
  <soapenv:Body>
    <sz:assignShipmentsResponse>
      <!--Optional:-->
      <TransactionId>?</TransactionId>
      <response>
        <!--1 or more repetitions:-->
        <ShipmentAssigns>
          <!--You may enter the following 5 items in any order-->
          <code>?</code>
          <message>?</message>
          <!--Optional:-->
          <ManifestNumber>?</ManifestNumber>
          <!--Optional:-->
          <ShipmentNumber>?</ShipmentNumber>
          <!--Optional:-->
          <CollectionDocketNumber>?</CollectionDocketNumber>
        </ShipmentAssigns>
      </response>
    </sz:assignShipmentsResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

4.3.11 getManifest

This web service will allow retrieving a specific manifest by indicating its number.

There are 2 output possibilities:
- Get a link to a PDF file containing the documents,
- Get the documents content in an encoded structure (see below with response)

Operation type: *Request-response.* The endpoint receives a message, and sends a correlated message.

4.3.11.1 getManifestRequest

getManifestRequest (soap:body, use = encoded)

Name	Mandatory / Optional / Conditional	Max # of entry	Allowed Type	Description
① TransactionId	Optional	1	String	Transaction Id
① Ticket	Mandatory	1	String	Sender authentification ticket. See §4.3
① ManifestNumber	Mandatory	1	String	
① Link	Mandatory	1	Boolean	**Yes** : Request a link to the manifest **No** : the manifest PDF is encoded in base64 and sent in the answer

Example:
```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:sz="https://singpostuat2-
staging.oss.neopost-id.com/modules/oss/api/ship/sz_Client">
  <soapenv:Header/>
  <soapenv:Body>
    <sz:getManifest>
      <!--Optional:-->
      <TransactionId>?</TransactionId>
      <Ticket>?</Ticket>
      <ManifestNumber>?</ManifestNumber>
      <Link>?</Link>
    </sz:getManifest>
  </soapenv:Body>
</soapenv:Envelope>
```

4.3.11.2 getManifestResponse

getManifestResponse (soap:body, use = encoded)

Name	Optional	Max # of entry	Allowed Type	Description
① TransactionId	Optional	1	String	Transaction Id
① response	Mandatory	1	Response Manifest	response
② code	Mandatory	1	String	Success or Error code (See error codes list)

Name	Optional	Max # of entry	Allowed Type	Description
② message	Mandatory	1	String	Success or Error message (See description in error codes list)
② data	Optional	1	String	Depending on link value in request, data will contain either : - a link to the label - the content of the labels' PDF file encoded in base64

Example:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:sz="https://singpostuat2-
staging.oss.neopost-id.com/modules/oss/api/ship/sz_Client">
  <soapenv:Header/>
  <soapenv:Body>
    <sz:getManifestResponse>
      <!--Optional:-->
      <TransactionId>?</TransactionId>
      <return>
        <!--You may enter the following 3 items in any order-->
        <code>?</code>
        <message>?</message>
        <!--Optional:-->
        <data>?</data>
      </return>
    </sz:getManifestResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

Displaying the encoded PDF content returned:

The code example below shows how to display the PDF content in a new page.

```php
<?php if(isset($_POST['content']) and $_POST['content']):

header('Content-type: application/pdf');

echo base64_decode($_POST['content']);exit();

endif;

?>
```

Saving the encoded PDF content returned in a PDF file:

```php
// call web service and get response
…

// save into file
file_put_contents('document.pdf', base64_decode(__PDF_CONTENT__))
```

4.4 WEB SERVICES DETAILS DATA STRUCTURES

4.4.1 ShipFromAddress

This data structure represents the "From address" your parcel is shipped from.

Name	Mandatory / Optional / Conditional	Max # of entry	Allowed Type	Description
② ShipFromAddress	Optional	1	Address	Address from where the shipment is sent
③ AddressCode	Optional	1	String	Address code from your address books set online.
③ Name1	Mandatory	1	String 35	Name / business name
③ Name2	Optional	1	String 35	Complement of name / business name
③ AddressLine1	Mandatory	1	String 35	Address Line1
③ AddressLine2	Optional	1	String 35	Address Line2
③ AddressLine3	Optional	1	String 35	Address Line3
③ Postcode	Conditional	1	String	Mandatory for Singapore, Optional for all others countries.
③ Town	Optional	1	String	
③ State	Optional	1	String	Only for countries divided in states
③ Country	Mandatory	1	String 2	Your country code (See Country codes list)
③ Contact	Mandatory	1	contact	Detail of the contact at ship from location.
④ ContactName	Optional	1	String	Contact Name
④ EmailAddress	Mandatory	1	String	Email Address
④ PhoneNumber	Optional	1	String	Phone Number
④ MobileNumber	Optional	1	String	Mobile Number
③ VAT/GST Number	Optional	1	String 50	VAT/ GST number
③ CourierAddressType	Optional	1	String	Courier Address Type

4.4.2 ShipToAddress

This data structure represents the "To address" your parcel is shipped to.

Name	Mandatory / Optional / Conditional	Max # of entry	Allowed Type	Description
② ShipToAddress	Optional	1	address	Address to where the shipment is sent (consignee)
③ AddressCode	Optional	1	String	Address code from your address books set online.
③ Name1	Mandatory	1	String 35	Name / business name
③ Name2	Optional	1	String 35	Complement of name / business name
③ AddressLine1	Mandatory	1	String 35	Address Line1
③ AddressLine2	Optional	1	String 35	Address Line2
③ AddressLine3	Optional	1	String 35	Address Line3
③ Postcode	Conditional	1	String	Mandatory for Singapore, Optional for all others countries.
③ Town	Optional	1	String	Town
③ State	Optional	1	String	State
③ Country	Mandatory	1	String 2	Country code (See Country codes list)
③ Contact	Optional	1	contact	Detail of the contact at ship to location.
④ ContactName	Optional	1	String	Contact Name
④ EmailAddress	Optional	1	String	Email Address
④ PhoneNumber	Optional	1	String	Phone Number
④ MobileNumber	Optional	1	String	Mobile Number
③ VAT/GST Number	Optional	1	contact	VAT/ GST number

4.4.3 HandlingUnits

This data structure represents parcels information of the shipment.

Name	Mandatory / Optional / Conditional	Max # of entry	Allowed Type	Description
② HandlingUnits	Optional	1	Handling unit	Mandatory to process the shipment. Detail of each type of packing or handling unit
③ Weight	Mandatory	1	float	Physical weight in Kg
③ PackageLength	Optional	1	float	In cm
③ PackageWidth	Optional	1	float	In cm
③ PackageHeight	Optional	1	float	In cm
③ ContentDetailItems	Optional	N	Content detail	For international shipments to print an invoice for customs declaration One per item declared
④ OrderNumber	Optional	1	String	Number of the order of the goods
④ ItemCode	Optional	1	String	User code of the item
④ ItemDescription	Conditional	1	String	Contains item content. Optional for domestic. Mandatory for International.
④ ItemHSTariffNumber	Optional	1	String 6 char.	HS Tariff number of the item (customs standard) Format: NNNNNN
④ CountryOfOrigin	Conditional	1	String	Country where the good was created / manufactured. Mandatory for International.
④ ItemWeight	Mandatory	1	Float	Weight of the item line in Kg (for Mail and Speedpost shipments)
④ ItemQuantity	Conditional	1	String	Number of items in ItemUnitType. Mandatory for International. N/A otherwise.
④ ItemCurrency	Conditional	1	String	Mandatory for International.
④ TotalAmount	Mandatory	1	Float	Total value amount of the items in item currency

This data structure represents the shipments included into a create shipments request.
This structure can be replicated by the number of shipments to create but no more than **100** at a time.

Name	Mandatory / Optional / Conditional	Max # of entry	Allowed Type	Description
① ShipmentData	Optional	1:100	Shipment	Detail of shipment This structure can be replicated by the number of shipments to create but no more than **100** at a time.
② ShipmentNumber	Optional	1	String	Not used in this method
② ShipmentType	Conditional			Speedpost: (mandatory) Defines the type of shipment (see Shipment types) Mail: N/A
② CarrierCode	Mandatory	1	string	Required to be able to process the shipment (See Carrier Code list)
② ServiceCode	Mandatory	1	string	Required to be able to process the shipment Service codes are returned by getAvailableServices().
② ShipByAddressCode	Mandatory	1	string	Code of the ship by address requesting the shipment. Possibility to indicate a ShipBy address created online. If you haven't created any Shipby address, default operational address shall be used: '**OP**'.
② ShowSendByAddressOnLabel	Optional	1	Boolean	Indicate if the ShipBy address shall be displayed on the label instead of the Send from address. If this option is chosen, the shipment would be returned to the Sendby address if undelivered.
② ShipFromAddress	Optional	1	Address	Address from where the shipment is sent
② ShipToAddress	Optional	1	address	Address to where the shipment is sent (consignee)
② DeliveryInstruction	Mandatory	1	String	Non delivery instructions (See Non-delivery instructions codes)
② SenderReference	Optional	1	string	User reference of the shipment. User reference of the shipment. Must be unique.

Name	Mandatory / Optional / Conditional	Max # of entry	Allowed Type	Description
				It is the key to retrieve the shipment with other methods
② ItemType	Mandatory	1	string	Indicate Document or Package. (See Packing Type codes)
② Size	Conditional	1	string	Mail: Mandatory. (See Size codes) Speedpost: N/A
② CategoryOfShipment	Optional	1	string	For international shipments define the type of content for customs declaration
② NatureOfGoods	Optional	1	String	General description of the goods sent when Category of Shipment is set to "Others"
② EmailNotification	Optional	1	Boolean	If the user wants to send email notification about the shipment
② EmailNotificationShipper	Optional	1	Boolean	To notify someone by email at users location
② EmailNotificationShipperAddress	Optional	1	string	Email address. mandatory if EmailNotificationShipper is set to 1
② EmailNotificationConsignee	Optional	1	Boolean	To notify the consignee by email
② EmailNotificationConsigneeAddress	Optional	1	string	Email address. Mandatory if *EmailNotificationConsignee* is set to 1
② EmailNotificationTParty	Optional	1	Boolean	To notify someone else by email
② EmailNotificationTPartyAddress	Optional	1	string	Email address. Mandatory if *EmailNotificationTParty* is set to 1
② HandlingUnits	Optional	1	Handling unit	Mandatory to process the shipment. Detail of each type of packing or handling unit
② TotalValue	Mandatory	1	Float	Total value of all items in currency (value of goods for customs declaration) Value ignored as computed automatically.
② TotalValueCurrency	Mandatory	1	String	Currency associated to total value.
② AccountNumber	Mandatory	1	String	Provide your Account Number.
② ContractNumber	Optional	1	String	Mandatory to process, even if empty. Speedpost: N/A Mail: Contains the PPI number
② CODAmount	Optional	1	Float	VAS COD amount. Format: 6 digits and 2 decimal places

Name	Mandatory / Optional / Conditional	Max # of entry	Allowed Type	Description
② IdentificationNumber	Optional	1	String	VAS Identification no. Maximum 30 characters
② PaymentMode	Optional	1	String 3	VAS Payment mode (See VAS Payment modes list)
② TradeIn	Optional	1	Boolean	VAS Trade In
② DeliveryDate	Optional	1	String	VAS Delivery date Format: DD/MM/YYYY
② DeliveryTime	Optional	1	String 2	VAS Delivery time (See VAS Delivery time list)
② Handover	Optional	1		Indicates the collection mode
③ HandoverMode	Optional	1	String	If shipment is collected (COLLECTION_REQUEST) or dropped off (DROPOFF) in a service point. (See Handover modes list)
③ DropOffDepotCode	Conditional	1	String	Mandatory for drop-off handover mode. Code of the Depot if the shipment is dropped off (See Drop-off codes list)
③ CollectionRequest	Conditional	1	String	Mandatory for collection request handover mode
④ CollectionDate	Mandatory	1	String	Format YYYY-MM-DD
④ CollectionTimeFrom	Mandatory	1	String	Format HH:MM
④ CollectionTimeTo	Mandatory	1	String	Format HH:MM

4.4.5   ServicePointData

This data structure represents the list of available Drop-off points for a specific country returned by getAvailableServicePoints web service.

Name	Mandatory / Optional / Conditional	Max # of entry	Allowed Type	Description
③ data	Optional	N	Service Pointdata	List of available drop-off points of requested carrier
④ ServicePointCode	Optional	1	String	Code of the drop-off point
④ ServicePointName	Optional	1	String	Service Point Name
④ address1	Optional	1	String	Address1

④ address2	Optional	1	String	Address2
④ address3	Optional	1	String	Address3
④ country	Optional	1	String	Country
④ state	Optional	1	String	State
④ postcode	Optional	1	String	Postcode
④ town	Optional	1	String	Town
④ opendaysandhours	Optional	1	String	Open Days And Hours

4.4.6 ShipmentInfoData

This data structure represents the tracking information for shipments returned by *getShipmentsInfo* web service.

Name	Mandatory / Optional / Conditional	Max # of entry	Allowed Type	Description
③ ShipmentInfoData	Optional	N	Response ShipmentIn foData	For each shipment found
④ Reference	Optional	1	String	Shipment reference
④ ShipmentNumber	Optional	1	String	Shipment number, if shipment has been processed
④ TrackTrace	Optional	1	String	Track & Trace details if available.
⑤ Event	Optional	N	TraceTrace Event	List of events in order of earliest to oldest
⑥ EventCode	Mandatory	1	String	Code of the event
⑥ EventName	Mandatory	1	String	Name of the event
⑥ EventDate	Optional	1	String	Date of the event at format DDMMYYYY
⑥ EventTime	Optional	1	String	Time of event at format HHMM
⑥ EventSignator yName	Optional	1	String	Name of the signatory if any associated with the event.
④ ManifestNumber	Optional	1	String	Manifest number if shipment has been manifested

4.5   WEB SERVICES ERROR CODES

4.5.1 getAvailableServicePoints error codes

STATUS_INVALID_TICKET	The ticket is invalid.
CODE_ERROR_GET_SERVICE_POINTS	Get service points is invalid.
CODE_SUCCESS_GET_SERVICE_POINTS	Get service points successfully
STATUS_CARRIER_CODE_MANDATORY	Carrier Code is mandatory
STATUS_ERROR_CARRIER_CODE_INVALID	Carrier Code is invalid

STATUS_ERROR_POSTCODE_MANDATORY	'Send To' Post Code is required

4.5.2   getAvailableServices error codes

STATUS_INVALID_TICKET	The ticket is invalid.
STATUS_ERROR_NATUREOFGOODS_LENGTH	Type of Goods exceeds maximum length (50 char)
STATUS_ERROR_HANDLINGUNIT_WEIGHT_REQUIRE D	Weight of Handling Units is mandatory
STATUS_ERROR_WEIGHT_INVALID	Please enter a valid weight
STATUS_ERROR_PACKAGE_LENGTH_INVALID	Package length is invalid
STATUS_ERROR_PACKAGE_WIDTH_INVALID	Package width is invalid
STATUS_ERROR_PACKAGE_HEIGHT_INVALID	Package height is invalid
STATUS_ERROR_ACCOUNT_REQUIRED	Account Number is required
STATUS_ERROR_ACCOUNT_NUMBER_LENGTH	Account Number length exceeds maximum length (128 char)
STATUS_ERROR_CONTRACT_NUMBER_REQUIRED	Contract Number is required
STATUS_ERROR_SHIPMENT_TYPE_MANDATORY	Shipment type is required for this carrier service
STATUS_ITEM_TYPE_REQUIRED	Item Type is required for the selected Service
STATUS_ITEM_TYPE_INVALID	Item type is invalid
STATUS_ARTICLE_SIZE_REQUIRED	Item size is required
STATUS_ERROR_INVALID_CATEGORYOFSHIPMENT	Please enter a valid 'Type of Goods'
STATUS_ERR_MANDATORY_ITEM_DESCRIPTION	Item description is required
STATUS_ERROR_ITEM_DESCRIPTION_INVALID	Item description exceeds maximum length(50 char)
STATUS_ERROR_HSTARIFFNUMBER_INVALID	Please enter a valid 12-digit HS code for Item
STATUS_ERR_MANDATORY_ITEM_QUANTITY	Item quantity is required
STATUS_ERR_MANDATORY_ITEM_COUNTRY_OF_ORI GIN	Item's Country of manufacture is required
STATUS_ERROR_MANDATORY_NATUREOFGOODS	Description for 'Others' is required
INVALID_DECLARED_VALUE	'Total declared value' is not valid
INVALID_MANDATORY_HANDLING_UNITS	At least 1 handling unit is required/The number of handling units must be less than {MAX_NUMBER_HU}
INVALID_MANDATORY_HANDLING_UNITS_COUNT	Number of Handling exceeds maximum count
INVALID_TOTAL_VALUE	Invalid Total Value
STATUS_ERR_ITEM_QUANTITY_INVALID	'Item content' is not a valid number
STATUS_ERR_ITEM_WEIGHT_INVALID	Please enter a valid weight for Item
INVALID_ACCOUNT_NUMBER_IS_NOT_AVAILABLE	Your input account number is not available for the service
INVALID_ACCOUNT_NUMBER	Your input account number is invalid
STATUS_ERROR_ACCOUNT_NUMBER_IS_NOT_ACTIV E	Your input account number is not active
STATUS_ERROR_CARRIER_CODE_INVALID	Carrier Code is invalid
STATUS_ERROR_SHIPFROM_COUNTRY_REQUIRED	Please enter or select a valid 'Sender' Country
STATUS_ERROR_SHIPFROM_POSTCODE_LENGTH	Please enter a valid 'Sender' Post Code
STATUS_ERROR_SHIPBY_ADDRESS_CODE_REQUIRE D	ShipBy Address Code is mandatory
STATUS_ERROR_SHIPFROM_TOWN_LENGTH	'Sender' Town/City exceeds maximum length (35 char)
STATUS_ERROR_SHIPFROM_STATE_LENGTH	Please enter or select a valid 'Sender' State
STATUS_ERROR_SHIPTO_POSTCODE_LENGTH	Please enter a valid 'Send To' Post code
STATUS_ERROR_SHIPTO_POSTCODE_LENGTH	'Send To' Post Code exceeds maximum length (35 char)
STATUS_ERROR_SHIPTO_COUNTRY_REQUIRED	'Send To' Country is required

STATUS_ERROR_SHIPTO_COUNTRY_INVALID	Please enter or select a valid 'Send To' Country
STATUS_ERROR_SHIPFROM_COUNTRY_INVALID	Please enter or select a valid 'Sender' Country
STATUS_ERROR_CARRIER_CODE_REQUIRED	Carrier Code is required
STATUS_ERROR_POSTCODE_INVALID	The postcode is invalid
STATUS_ERROR_SIZE_INVALID	Size is invalid
STATUS_ERROR_TOTALVALUECURRENCY_LENGTH	Currency for the 'Total Declared Value' exceeds maximum length
STATUS_ERROR_TOTALVALUECURRENCY_INVALID	Please enter a valid currency for 'Total Declared value'
STATUS_ERROR_SHIPTO_TOWN_LENGTH	'Send To' Town/City exceeds maximum length (35 char)
STATUS_ERROR_SHIPTO_STATE_LENGTH	Please enter or select a valid 'Send To' State
STATUS_ERROR_ITEM_VALUE_CURRENCY_LENGTH	Please enter a valid currency for Item
STATUS_ERR_MANDATORY_ITEM_TOTAL_AMOUNT	Total Amount for Items is required
STATUS_ERR_ITEM_TOTAL_AMOUNT_INVALID	Total Amount entered is invalid
STATUS_ERROR_COUNTRY_OF_ORIGIN_INVALID	Please enter a valid 'Country of Manufacture' for Item
STATUS_ERROR_PACKAGE_VOLUME_INVALID	Package volume is not valid
STATUS_ERROR_TRACKING_NO_INVALID	Tracking number is not valid
STATUS_ERROR_POSTCODE_INVALID_FOR_STATE	Please enter a valid Post code for the selected State
STATUS_ERROR_IMPORT_SERVICE_NOT_ALLOWED	User is not allowed to use import service
STATUS_ERROR_IMPORT_NOT_ALLOWED_FROM_COUNTRY	Import not allowed from the selected country
INVALID_MANDATORY_HANDLING_UNITS_COUNT	Number of Handling exceeds maximum count

4.5.3   getShipment error codes

STATUS_INVALID_TICKET	The ticket is invalid.
STATUS_SUCCESS	Transaction has been successfully completed!!
STATUS_SHIPMENT_GET_SUCCESS	Shipment get successfully
STATUS_ERROR_SHIPMENTNUMBER_MANDATORY	Shipment number is mandatory
STATUS_SHIPMENT_NOT_FOUND	The shipment doesn't exist
STATUS_SUCCESS_GET_AVAILABLE_COLLECTIONS	Get available collections successfully

4.5.4   getShipmentsInfo error codes

STATUS_INVALID_TICKET	The ticket is invalid.
STATUS_SHIPMENT_GET_SUCCESS	Get ShipmentInfo success answer
STATUS_SHIPMENT_NOT_FOUND	The shipment doesn't exists
STATUS_ERROR_AFEW_SHIPMENTNUMBER_NOTFOUND	A few shipment not found

4.5.5   deleteShipment error codes

STATUS_INVALID_TICKET	The ticket is invalid.
STATUS_SUCCESS	Transaction has been successfully completed!!
STATUS_SHIPMENT_NUMBER_MANDATORY	Shipment Number is mandatory
STATUS_SHIPMENT_DELETED	The shipment deleted
STATUS_SHIPMENT_GET_FAILURE	Shipment get failure. Please contact administrator.
STATUS_SUCCESS_GET_AVAILABLE_COLLECTIONS	Get available collections successfully

STATUS_SHIPMENT_NOT_FOUND	The shipment doesn't exists
STATUS_SHIPMENT_NUMBER_INCOMPLETE	Please enter all related shipment numbers.

4.5.6   getAvailableCollections error codes

STATUS_INVALID_TICKET	The ticket is invalid.
STATUS_ERROR_ACCOUNT_REQUIRED	Account Number is required
STATUS_SHIPMENT_INVALID_CARRIER	The carrier is invalid
STATUS_SHIPMENT_INVALID_SERVICE	Selected service is not valid for the current shipment
STATUS_COLLECTION_DATE_INVALID	Collection date is invalid
STATUS_COLLECTION_DATE_INVALID_FORMAT	Collection date is invalid
INVALID_ACCOUNT_NUMBER_IS_NOT_AVAILABLE	Your input account number is not available for the service
INVALID_ACCOUNT_NUMBER	Your input account number is invalid
STATUS_INVALID_PREFERRED_COLLECTION_DATE	Preferred collection date is invalid
STATUS_ERROR_CARRIER_CODE_REQUIRED	Carrier Code is required
STATUS_ERROR_SERVICE_CODE_REQUIRED	Service Code is required
STATUS_ERROR_GET_AVAILABLE_COLLECTIONS	Error on get available collections
STATUS_SUCCESS_GET_AVAILABLE_COLLECTIONS	Get available collections successfully
INVALID_ACCOUNT_NUMBER_IS_NOT_AVAILABLE	Your input account number is not available for the service

4.5.7   assignShipments error codes

STATUS_INVALID_TICKET	The ticket is invalid.
STATUS_SUCCESS	Transaction has been successfully completed!!
STATUS_ERR_DELIVERY_DATE_FORMAT	Delivery date is not a valid format (DD/MM/YYYY)
STATUS_COLLECTION_TYPE_INVALID	HandoverMode is not valid for this service
STATUS_SHIPMENT_IS_ALREADY_ASSIGNED_OR_DELETED	Given shipment is already assigned or deleted
STATUS_ERROR_SHIPMENTNUMBER_MANDATORY	Shipment number is mandatory
STATUS_ERROR_SHIPMENTID_MANDATORY	Shipment ID is mandatory
STATUS_ERROR_DROPOFF_POINT_CODE_INVALID	Drop off point code is invalid
STATUS_ERROR_DROPOFF_POINT_CODE_MANDATORY	Drop off point code is mandatory
STATUS_COLLECTION_TYPE_MANDATORY	Collection type is mandatory
STATUS_COLLECTION_DATE_INVALID	Collection date is invalid
STATUS_COLLECTION_DATE_INVALID_FORMAT	Collection date is invalid
STATUS_COLLECTION_TIME_FROM_INVALID	'Collection From' time is invalid
STATUS_COLLECTION_TIME_TO_INVALID	'Collection To' time is invalid
STATUS_COLLECTION_CONTACT_NUMBER_MANDATORY	Contact number is mandatory
STATUS_COLLECTION_REQUESTER_NAME_MANDATORY	Requester name is mandatory
STATUS_COLLECTION_DATE_MANDATORY	Collection date is mandatory
STATUS_COLLECTION_TIME_FROM_MANDATORY	'Collection time from' is mandatory
STATUS_COLLECTION_TIME_TO_MANDATORY	'Collection time to' is mandatory
STATUS_SHIPMENT_LABEL_PRINT_MANDATORY	Please print label before assignment

STATUS_ERROR_POPSTATION_POINT_CODE_MANDAT ORY	POPStation point code is mandatory
STATUS_LATE_PICKUPSLOT_FROM_INVALID	Late Pickup Slot from' is invalid
STATUS_LATE_PICKUPSLOT_TO_INVALID	Late Pickup Slot to' is invalid
STATUS_SUCCESS_GET_AVAILABLE_COLLECTIONS	Get available collections successfully
STATUS_ERROR_SINGLE_SHIPMENT_ASSIGNMENT	Please assign IWC2HR/IWCPSD shipments individually.
STATUS_SHIPMENT_NOT_FOUND	The shipment doesn't exists
STATUS_SHIPMENT_NUMBER_INCOMPLETE	Please enter all related shipment numbers.

4.5.8   getShipmentLabels error codes

STATUS_INVALID_TICKET	The ticket is invalid.
STATUS_SUCCESS	Transaction has been successfully completed!!
STATUS_ERROR_GET_SHIPMENT_LABEL	There seems to be an error in generating shipping labels
STATUS_GET_SHIPMENT_LABEL_OK	Get shipment labels successfully
STATUS_SHIPMENT_NUMBER_MANDATORY	Shipment Number is mandatory
STATUS_SUCCESS_GET_AVAILABLE_COLLECTIONS	Get available collections successfully
STATUS_SHIPMENT_NOT_FOUND	The shipment doesn't exists

4.5.9   getManifest error codes

STATUS_INVALID_TICKET	The ticket is invalid.
STATUS_ERROR_GET_MANIFEST	There seems to be an error in generating shipping manifest
STATUS_MANIFEST_NUMBER_MANDATORY	Manifest number is mandatory
STATUS_GET_MANIFEST_OK	Get manifest successfully
STATUS_WRONG_MANIFEST_NUMBER	Wrong Manifest number

4.5.10 getShipmentDocuments error codes

STATUS_INVALID_TICKET	The ticket is invalid.
STATUS_SUCCESS	Transaction has been successfully completed!!
STATUS_SHIPMENT_NUMBER_MANDATORY	Shipment Number is mandatory
STATUS_NO_DOCUMENTS_FOUND	Documents not found for the shipment
STATUS_INVOICE_NOT_APPLICABLE	Invoice not applicable for the shipment
STATUS_SUCCESS_GET_AVAILABLE_COLLECTIONS	Get available collections successfully
STATUS_SHIPMENT_NOT_FOUND	The shipment doesn't exists

4.5.11 createShipment error codes

STATUS_INVALID_TICKET	The ticket is invalid.
STATUS_SUCCESS	Transaction has been successfully completed!!

STATUS_ERROR_SHIPFROM_NAME2_LENGTH	Sender Name2 exceeds maximum length (35 char)
STATUS_ERROR_SHIPFROM_CONTACT_NAME_LENGTH	'Sender' Contact Name exceeds maximum length (35 char)
STATUS_ERROR_SHIPFROM_CONTACT_PHONENUMBER_LENGTH	'Sender' Phone no. exceeds maximum length (20 char)
STATUS_ERROR_HANDLINGUNIT_SIZE_REQUIRED	Size of HandlingUnits is mandatory for Mail
STATUS_ERROR_HANDLINGUNIT_WEIGHT_REQUIRED	Weight of Handling Units is mandatory
STATUS_ERROR_WEIGHT_INVALID	Please enter a valid weight
STATUS_ERROR_PACKAGE_LENGTH_INVALID	Package length is invalid
STATUS_ERROR_PACKAGE_WIDTH_INVALID	Package width is invalid
STATUS_ERROR_PACKAGE_HEIGHT_INVALID	Package height is invalid
STATUS_ERR_MANDATORY_HANDOVER_DROPOFFDEPOTCODE	DropOff code is required
STATUS_ERROR_SHIPMENT_TYPE_MANDATORY	Shipment type is required for this carrier service
STATUS_SHIPMENT_INVALID_SERVICE	Selected service is not valid for the current shipment
STATUS_ITEM_TYPE_REQUIRED	Item Type is required for the selected Service
STATUS_ERR_MANDATORY_ITEM_DESCRIPTION	Item description is required
STATUS_ERROR_ITEM_DESCRIPTION_INVALID	Item description exceeds maximum length(50 char)
STATUS_ERROR_HSTARIFFNUMBER_INVALID	Please enter a valid 12-digit HS code for Item
STATUS_ERR_MANDATORY_ITEM_QUANTITY	Item quantity is required
STATUS_ERR_MANDATORY_ITEM_COUNTRY_OF_ORIGIN	Item's Country of manufacture is required
STATUS_ERR_DELIVERY_DATE_FORMAT	Delivery date is not a valid format (DD/MM/YYYY)
STATUS_ERROR_MANDATORY_NATUREOFGOODS	Description for 'Others' is required
INVALID_COD_VALUE	Please enter a valid 'COD' amount
INVALID_MANDATORY_HANDLING_UNITS_COUNT	Number of Handling exceeds maximum count
INVALID_CONTENT_DETAIL_ITEMS	Total weight of items can't exceed the weight of parcel / Some of your item content details are lacking mandatory information
INVALID_PPI_NUMBER	Service is not valid for selected PPI number. Please select another service or PPI number
INVALID_TOTAL_VALUE	Invalid Total Value
STATUS_ERR_ITEM_QUANTITY_INVALID	'Item content' is not a valid number
STATUS_ERR_ITEM_WEIGHT_INVALID	Please enter a valid weight for Item
STATUS_ERROR_SHIPTO_POSTCODE_INVALID_FOR_COUNTRY	Please enter a valid Post code for the selected 'Send To' Country
STATUS_ERROR_SHIPFROM_POSTCODE_INVALID_FOR_COUNTRY	Please enter a valid Post code for the selected 'Send From' Country
STATUS_ERROR_SHIPTO_POSTCODE_INVALID_FOR_STATE	Please enter a valid Post code for the selected 'Send To' State
STATUS_ERROR_INSUREDVALUE_INVALID	Insured Value must be greater than '0' and less than 'Total declared value'
STATUS_ERRROR_SHIPTO_MANDATORY_STATE	'Send To' State is required
STATUS_ERROR_ITEM_DECLAREDVALUE_COUNT	'Sum of Items' declared values must be equal to 'Total declared Value'
INVALID_ERROR_HANDOVER_MODE	Invalid handover mode entered
INVALID_ERROR_DROP_OFF_CODE	Invalid dropoff code entered
STATUS_COLLECTION_DATE_INVALID	Collection date is invalid
STATUS_COLLECTION_DATE_INVALID_FORMAT	Collection date is invalid
STATUS_ERR_MANDATORY_RETURN_TO_ADDRESS	'Return to' Address is required
INVALID_ACCOUNT_NUMBER_IS_NOT_AVAILABLE	Your input account number is not available for the service
INVALID_ACCOUNT_NUMBER	Your input account number is invalid
STATUS_ERROR_ACCOUNT_NUMBER_IS_NOT_ACTIVE	Your input account number is not active
STATUS_ERROR_CARRIER_CODE_INVALID	Carrier Code is invalid

STATUS_ERROR_SHIPFROM_COUNTRY_REQUIRED	Please enter or select a valid 'Sender' Country
STATUS_ERROR_SHIPFROM_NAME1_REQUIRED	'Sender' Name is required
STATUS_ERROR_SHIPFROM_NAME1_LENGTH	'Sender' Name exceeds maximum length (35 char)
STATUS_ERROR_SHIPFROM_POSTCODE_LENGTH	Please enter a valid 'Sender' Post Code
STATUS_ERROR_SHIPFROM_ADDRESSLINE1_REQUIRED	Sender Address Line 1 is mandatory
STATUS_ERROR_SHIPFROM_ADDRESSLINE1_LENGTH	Sender Address Line 1 exceeds maximum length (35 char)
STATUS_ERROR_SHIPFROM_ADDRESSLINE2_LENGTH	Sender Address Line 2 exceeds maximum length (35 char)
STATUS_ERROR_SHIPFROM_ADDRESSLINE3_LENGTH	Sender Address Line 3 exceeds maximum length (35 char)
STATUS_ERROR_SHIPFROM_TOWN_LENGTH	'Sender' Town/City exceeds maximum length (35 char)
STATUS_ERROR_SHIPFROM_STATE_LENGTH	Please enter or select a valid 'Sender' State
STATUS_ERROR_SHIPFROM_CONTACT_EMAIL_LENGTH	'Sender' Email exceeds maximum length
STATUS_ERROR_SHIPFROM_CONTACT_MOBILENUMBER_LENGTH	Sender' Mobile no. exceeds maximum length (20 char)
STATUS_ERROR_SHIPFROM_VATGST_LENGTH	Shipfrom VAT/GSTNumber exceeds maximum length (50)
STATUS_ERROR_SHIPTO_NAME1_REQUIRED	'Send To' Name is required
STATUS_ERROR_SHIPTO_NAME1_LENGTH	'Send To' Name exceeds maximum length (35 char)
STATUS_ERROR_SHIPTO_NAME2_LENGTH	'Send To' Name 2 exceeds maximum length (35 char)
STATUS_ERROR_SHIPTO_ADDRESSLINE1_REQUIRED	'Send To' address line 1 is required
STATUS_ERROR_SHIPTO_ADDRESSLINE1_LENGTH	'Send To' address line 1 exceeds maximum length (35 char)
STATUS_ERROR_SHIPTO_ADDRESSLINE2_LENGTH	'Send To' address line 2 exceeds maximum length (35 char)
STATUS_ERROR_SHIPTO_ADDRESSLINE3_LENGTH	'Send To' address line 3 exceeds maximum length (35 char)
STATUS_ERROR_SHIPTO_POSTCODE_LENGTH	Please enter a valid 'Send To' Post code
STATUS_ERROR_SHIPTO_POSTCODE_LENGTH	'Send To' Post Code exceeds maximum length (35 char)
STATUS_ERROR_SHIPTO_COUNTRY_REQUIRED	'Send To' Country is required
STATUS_ERROR_SHIPTO_STATE_INVALID	Please enter or select a valid 'Send To' State
STATUS_ERROR_SHIPTO_COUNTRY_INVALID	Please enter or select a valid 'Send To' Country
STATUS_ERROR_SHIPTO_CONTACT_NAME_LENGTH	'Send To' Contact Name exceeds maximum length
STATUS_ERROR_SHIPTO_CONTACT_EMAIL_LENGTH	'Send To' email address exceeds maximum length
STATUS_ERROR_SHIPTO_CONTACT_PHONENUMBER_LENGTH	'Send To' Phone no. exceeds maximum length (20 char)
STATUS_ERROR_SHIPTO_CONTACT_MOBILENUMBER_LENGTH	'Send To' Mobile number exceeds maximum length (20 char)
STATUS_ERROR_SHIPTO_VATGST_LENGTH	'Send To' VAT/GST Number exceeds maximum length (50)
STATUS_ERROR_SHIPFROM_COUNTRY_INVALID	Please enter or select a valid 'Sender' Country
STATUS_ERROR_ITEM_TYPE_REQUIRED	Item type is required
STATUS_ERROR_CARRIER_CODE_REQUIRED	Carrier Code is required
STATUS_ERROR_SIZE_INVALID	Size is invalid
STATUS_ERROR_CONTRACTNUMBER_MANDATORY	Contact number is mandatory
STATUS_ERROR_INSURED_VALUE_EXCEEDS_COUNTRY_LIMIT	Enhanced Liability amount cannot exceed
STATUS_ERROR_DECLARED_VALUE_EXCEEDS_COUNTRY_LIMIT	Total Declared Value cannot exceed Country Limit Value
STATUS_ERROR_COD_VALUE_EXCEEDS_COUNTRY_LIMIT	COD Value cannot exceed Country Limit Value
STATUS_ERROR_WEIGHT_VALUE_EXCEEDS_COUNTRY_LIMIT	Weight cannot exceed Country Limit Value
STATUS_ERROR_VOLUMETRICWEIGHT_VALUE_EXCEEDS_COUNTRY_LIMIT	The Volumetric weight cannot exceed Country Limit Value
STATUS_ERROR_LENGTH_VALUE_EXCEEDS_COUNTRY_LIMIT	Length cannot exceed Country Limit Value

STATUS_ERROR_WIDTH_VALUE_EXCEEDS_COUNTRY_LIMIT	Width cannot exceed Country Limit Value
STATUS_ERROR_LBH_VALUE_EXCEEDS_COUNTRY_LIMIT	Sum of Dimensions cannot exceed Country Limit Value
STATUS_ERROR_INSURED_VALUE_EXCEEDS_SERVICE_LIMIT	Enhanced Liability amount cannot exceed Service Limit for this service
STATUS_ERROR_DECLARED_VALUE_EXCEEDS_SERVICE_LIMIT	Total Declared Value cannot exceed Service Limit for this service
STATUS_ERROR_COD_VALUE_EXCEEDS_SERVICE_LIMIT	COD Value cannot exceed Service Limit for this service
STATUS_ERROR_CUSTOMER_TYPE_SERVICE_MISMATCH	Selected service is not available to the current user
STATUS_ERROR_PACKAGE_TYPE_SERVICE_MISMATCH	Selected service does not allow current type of package
STATUS_ERROR_CATEGORY_OF_GOODS_SERVICE_MISMATCH	Selected service does not allow current type of goods
STATUS_ERROR_MULTIPIECE_NOT_ALLOWED_FOR_SERVICE	Selected service does not allow multi-piece shipments
STATUS_ERROR_SHIPTO_ADDRESSNAME_LENGTH	'Send To' address exceeds maximum length (35 char)
STATUS_ERROR_SHIPFROM_ADDRESSNAME_LENGTH	Sender' address exceeds maximum length (35 char)
STATUS_ERROR_SHIPTO_TOWN_LENGTH	'Send To' Town/City exceeds maximum length (35 char)
STATUS_ERROR_SHIPTO_STATE_LENGTH	Please enter or select a valid 'Send To' State
STATUS_ERROR_ITEM_VALUE_CURRENCY_LENGTH	Please enter a valid currency for Item
STATUS_ERR_MANDATORY_ITEM_TOTAL_AMOUNT	Total Amount for Items is required
STATUS_ERR_ITEM_TOTAL_AMOUNT_INVALID	Total Amount entered is invalid
STATUS_ERROR_COUNTRY_OF_ORIGIN_INVALID	Please enter a valid 'Country of Manufacture' for Item
STATUS_ERROR_PACKAGE_VOLUME_INVALID	Package volume is not valid
STATUS_ERROR_TRACKING_NO_ALREADY_PRESENT	Tracking number entered has already been taken.
STATUS_ERROR_TRACKING_NO_INVALID	Tracking number is not valid
STATUS_ERROR_SERVICE_NOT_MAPPED_TO_COUNTRY	Selected service is not allowed for the country
STATUS_ERROR_DUPLICATE_SENDER_REFERENCE	Please enter a unique value in 'Sender Reference'
STATUS_ERROR_SHIPTO_CONTACT_PHONENUMBER_INVALID	'Send To' Phone no. should only contain numbers
STATUS_ERROR_SHIPFROM_CONTACT_PHONENUMBER_INVALID	'Sender' Phone no. format is invalid
STATUS_ERROR_SHIPFROM_CONTACT_MOBILENUMBER_INVALID	'Sender' Mobile no. format is invalid
STATUS_ERROR_SHIPTO_CONTACT_MOBILENUMBER_INVALID	'Send To' Mobile no. format is invalid
STATUS_ERROR_PHONE_NUMBER_LENGTH_INVALID	The SMS PhoneNumber exceeds maximum length(8 char)
STATUS_ERROR_PHONE_NUMBER_MANDATORY	The SMS PhoneNumber is mandatory for the service selected
STATUS_ERROR_IMPORT_SERVICE_NOT_ALLOWED	User is not allowed to use import service
STATUS_ERROR_INVALID_COST_CENTRE_CODE	Cost center code entered is invalid
STATUS_ERROR_IMPORT_NOT_ALLOWED_FROM_COUNTRY	Import not allowed from the selected country
INVALID_CONTENT_DETAIL_UNITS_COUNT	Number of contents exceeds maximum number of allowed contents
STATUS_ERR_ITEM_WEIGHT_MANDATORY	Please enter a weight for item
STATUS_ERROR_SHIPFROM_POSTCODE_NOT_SERVICABLE	Send From' Post code in the selected Country is not serviceable
STATUS_ERRROR_SHIPFROM_MANDATORY_STATE	Send From' State is required
STATUS_ERROR_PARCEL_COUNT_SERVICE_MISMATCH	Service does not allow the selected number of parcels
STATUS_ERROR_PPI_NUMBER_SERVICE_MISMATCH	Service is not allowed to selected PPI number
STATUS_ERROR_POPSTATION_POINT_CODE_MANDATORY	POPStation point code is mandatory
STATUS_CARRIER_CODE_SERVICES_MISMATCH	The carrier code used does not cater to selected service
STATUS_ERROR_HEIGHT_VALUE_EXCEEDS_COUNTRY_LIMIT	Height cannot exceed Country Limit Value
STATUS_ERROR_SERVICE_NOT_APPLICABLE_TO_SATCHEL	Selected service is not applicable for satchel
STATUS_ERROR_SERVICE_NOT_APPLICABLE_TO_EZYRETURN	Selected service is not a ezyreturn service

STATUS_ERROR_SERVICE_INT_SHIPMENTTYPE_INVALID	Selected service does not allow international shipments
STATUS_ERROR_SERVICE_DOM_SHIPMENTTYPE_INVALID	Selected service does not allow domestic shipments
STATUS_ERROR_RECEIVER_ID_NUMBER_INVALID	Please enter valid 'Receiver ID Number'
STATUS_SUCCESS_GET_AVAILABLE_COLLECTIONS	Get available collections successfully
STATUS_ERROR_PROHIBITED_ITEM_FOUND	@item is a prohibited item
INVALID_ACCOUNT_NUMBER_IS_NOT_AVAILABLE	Your input account number is not available for the service
STATUS_ERROR_PACKAGE_HEIGHT_INVALID	Package height is invalid
STATUS_ERR_MANDATORY_ITEM_QUANTITY	Item quantity is required
STATUS_ERR_ITEM_WEIGHT_MANDATORY	Please enter a weight for Item

4.6   WEB SERVICES DATA CODES

This section depicts data codes used in the data structures.

4.6.1   Carrier codes

Please note that codes should be indicated in uppercase as shown below.

Code	Description
LOG	Speedpost carrier
MAI	Mail carrier
QSC	Quantium shipment

4.6.2   Category of Shipment codes

Please note that codes should be indicated in uppercase as shown below.

Code	Description
D	Document
G	Gift
M	Merchandise
S	Sample
O	Other

4.6.3   Type of Article codes

These codes are used for Mail only.
Please note that codes should be indicated in uppercase as shown below.

Code	Description
LL	Letter
AP	Printed matter
AS	Small packet

4.6.4   Non-delivery instruction codes

Please note that codes should be indicated in uppercase as shown below.

Code	Description
D	Treat as abandoned
S	Return to sender

4.6.5 Packing type codes

Please note that codes should be indicated in uppercase as shown below.

Code	Description
D	Document
P	Package

4.6.6 Size codes

These codes are used for Mail only.
Please note that codes should be indicated in uppercase as shown below.

Code	Description
RG	Regular
LG	Large
NS	Non-Standard

4.6.7 Shipment types codes

Please note that codes should be indicated in uppercase as shown below.

Code	Description
REGULAR_SHIPMENT	Standard shipment sent from your location. This is equivalent to "Send from me" choice in the shipment screens.
THIRD_PARTY_COLLECTION	Request to collect the shipment at another location. This is equivalent to "Send from Elsewhere" choice in the shipment screens.
RETURN_SHIPMENT	Request to return some goods to your location

4.6.8 Handover modes

Code	Description
COLLECTION_REQUEST	This corresponds to a collection request.
FIXED_SCHEDULED	This corresponds to a Fixed scheduled collection. For this option, you need to have an arrangement with Quantium for having your shipments collected on a regular fixed scheduled.
DROPOFF	This corresponds to a drop of shipments off at the carrier branch / office, or in a service point.
SELF_LODGE	This option corresponds to a self-lodge at Singpost.

4.6.9 Country codes

Please note that codes should be indicated in uppercase as shown below.

Country Code	Country name
AU	AUSTRALIA
HK	HONG KONG
IN	INDIA
JP	JAPAN
MY	MALAYSIA
NZ	NEW ZEALAND
PH	PHILIPPINES
SG	SINGAPORE
TH	THAILAND
TW	TAIWAN

4.6.10 Country codes

Please note that codes should be indicated in uppercase as shown below.

Country Code	Country name
AX	ÅLAND ISLANDS
AE	UNITED ARAB EMIRATES
AM	ARMENIA
AN	NETHERLANDS ANTILLES
AQ	ANTARCTICA
AR	ARGENTINA
AD	ANDORRA
AT	AUSTRIA
AU	AUSTRALIA
AW	ARUBA
AL	ALBANIA
AZ	AZERBAIJAN
BA	BOSNIA AND HERZEGOVINA
BB	BARBADOS
BD	BANGLADESH
BE	BELGIUM
BF	BURKINA FASO
BG	BULGARIA
BH	BAHRAIN
BI	BURUNDI
BJ	BENIN
BL	SAINT BARTHÉLEMY
BM	BERMUDA

BN	BRUNEI DARUSSALAM
BO	BOLIVIA
BR	BRAZIL
BS	BAHAMAS
BT	BHUTAN
BV	BOUVET ISLAND
BW	BOTSWANA
BY	BELARUS
BZ	BELIZE
CA	CANADA
CC	COCOS (KEELING) ISLANDS
CD	CONGO
CF	CENTRAL AFRICAN REPUBLIC
CG	CONGO
CH	SWITZERLAND
CI	CÔTE D'IVOIRE
CK	COOK ISLANDS
CL	CHILE
CM	CAMEROON
CN	CHINA
CO	COLOMBIA
CR	COSTA RICA
CU	CUBA
CV	CAPE VERDE
CX	CHRISTMAS ISLAND
CY	CYPRUS
CZ	CZECH REPUBLIC
DE	GERMANY
DJ	DJIBOUTI
DK	DENMARK
DM	DOMINICA
DO	DOMINICAN REPUBLIC
EC	ECUADOR
EE	ESTONIA
EG	EGYPT
EH	WESTERN SAHARA
ER	ERITREA
ES	SPAIN
ET	ETHIOPIA
FI	FINLAND
FJ	FIJI
FK	FALKLAND ISLANDS (MALVINAS)
FM	MICRONESIA

FO	FAROE ISLANDS
FR	FRANCE
GA	GABON
GB	UNITED KINGDOM
GD	GRENADA
GE	GEORGIA
GF	FRENCH GUIANA
GG	GUERNSEY
GH	GHANA
GI	GIBRALTAR
GL	GREENLAND
GM	GAMBIA
GN	GUINEA
GP	GUADELOUPE
GQ	EQUATORIAL GUINEA
GR	GREECE
GS	SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS
GT	GUATEMALA
GU	GUAM
GW	GUINEA-BISSAU
GY	GUYANA
HK	HONG KONG
HM	HEARD ISLAND AND MCDONALD ISLANDS
HN	HONDURAS
HR	CROATIA
HT	HAITI
HU	HUNGARY
ID	INDONESIA
IE	IRELAND
IL	ISRAEL
IO	BRITISH INDIAN OCEAN TERRITORY
IQ	IRAQ
IR	IRAN
IS	ICELAND
IT	ITALY
JE	JERSEY
JM	JAMAICA
JO	JORDAN
JP	JAPAN
KE	KENYA
KG	KYRGYZSTAN
KH	CAMBODIA
KI	KIRIBATI

KM	COMOROS
KN	SAINT KITTS AND NEVIS
KP	KOREA
KR	KOREA
KW	KUWAIT
KY	CAYMAN ISLANDS
KZ	KAZAKHSTAN
LA	LAO PEOPLE'S DEMOCRATIC REPUBLIC
LB	LEBANON
LC	SAINT LUCIA
LI	LIECHTENSTEIN
LK	SRI LANKA
LR	LIBERIA
LS	LESOTHO
LT	LITHUANIA
LU	LUXEMBOURG
LV	LATVIA
LY	LIBYAN ARAB JAMAHIRIYA
MA	MOROCCO
MC	MONACO
MD	MOLDOVA
ME	MONTENEGRO
MF	SAINT MARTIN
MG	MADAGASCAR
MH	MARSHALL ISLANDS
MK	MACEDONIA
ML	MALI
MM	MYANMAR
MN	MONGOLIA
MO	MACAO
MP	NORTHERN MARIANA ISLANDS
MQ	MARTINIQUE
MR	MAURITANIA
MS	MONTSERRAT
MT	MALTA
MU	MAURITIUS
MV	MALDIVES
MW	MALAWI
MX	MEXICO
MY	MALAYSIA
MZ	MOZAMBIQUE
NA	NAMIBIA
NC	NEW CALEDONIA

NE	NIGER
NF	NORFOLK ISLAND
NG	NIGERIA
NI	NICARAGUA
NL	NETHERLANDS
NO	NORWAY
NP	NEPAL
NR	NAURU
NU	NIUE
NZ	NEW ZEALAND
OM	OMAN
PA	PANAMA
PE	PERU
PF	FRENCH POLYNESIA
PG	PAPUA NEW GUINEA
PH	PHILIPPINES
PK	PAKISTAN
PL	POLAND
PM	SAINT PIERRE AND MIQUELON
PN	PITCAIRN
PR	PUERTO RICO
PS	PALESTINIAN TERRITORY
PT	PORTUGAL
PW	PALAU
PY	PARAGUAY
QA	QATAR
RE	RÉUNION
RO	ROMANIA
RS	SERBIA
RU	RUSSIAN FEDERATION
RW	RWANDA
SA	SAUDI ARABIA
SB	SOLOMON ISLANDS
SC	SEYCHELLES
SD	SUDAN
SE	SWEDEN
SG	SINGAPORE
SH	SAINT HELENA
SI	SLOVENIA
SJ	SVALBARD AND JAN MAYEN
SK	SLOVAKIA
SL	SIERRA LEONE
SM	SAN MARINO

SN	SENEGAL
SO	SOMALIA
SR	SURINAME
ST	SAO TOME AND PRINCIPE
SV	EL SALVADOR
SY	SYRIAN ARAB REPUBLIC
SZ	SWAZILAND
TC	TURKS AND CAICOS ISLANDS
TD	CHAD
TF	FRENCH SOUTHERN TERRITORIES
TG	TOGO
TH	THAILAND
TJ	TAJIKISTAN
TK	TOKELAU
TL	TIMOR-LESTE
TM	TURKMENISTAN
TN	TUNISIA
TO	TONGA
TR	TURKEY
TT	TRINIDAD AND TOBAGO
TV	TUVALU
TW	TAIWAN
TZ	TANZANIA
UA	UKRAINE
UG	UGANDA
UM	UNITED STATES MINOR OUTLYING ISLANDS
US	UNITED STATES
UY	URUGUAY
UZ	UZBEKISTAN
VA	HOLY SEE (VATICAN CITY STATE)
VC	SAINT VINCENT AND THE GRENADINES
VE	VENEZUELA
VG	VIRGIN ISLANDS
VI	VIRGIN ISLANDS
VN	VIET NAM
VU	VANUATU
WF	WALLIS AND FUTUNA
WS	SAMOA
YE	YEMEN
YT	MAYOTTE
ZA	SOUTH AFRICA
ZM	ZAMBIA
ZW	ZIMBABWE

AS	AMERICAN SAMOA
AF	AFGHANISTAN
AG	ANTIGUA AND BARBUDA
AI	ANGUILLA
DZ	ALGERIA
IM	ISLE OF MAN
IN	INDIA
TA	TRISTAN DA CUNHA
XK	KOSOVO
AO	ANGOLA

4.6.11 Currency Codes

The list of currencies presented below represents the currencies managed for Quantium.
Please note that codes should be indicated in uppercase as shown below.

Currency Code	Name
AED	UAE Dirham
AUD	Australian Dollar
BDT	Bangladesh Taka
BHD	Bahrain Dinars
BND	Brunei Dollar
CAD	Canadian Dollar
CHF	Swiss Franc
CYP	Cyprus Pound
CZK	Czech Koruna
DKK	Danish Kroner
EUR	Euro Dollar
GBP	Sterling Pound
HKD	Hongkong Dollar
IDR	Indonesian Rupiah
INR	Indian Rupee
JPY	Japanese Yen
KRW	South Korean Won
KWD	Kuwaiti Dinar
LKR	Sri Lanka Rupee
MMK	Myanmar Kyat
MUR	Mauritius Rupee
MYR	Malaysian Ringgit
NOK	Norwegian Kroner
NZD	New Zealand Dollar
PGK	Papua New Guinea Kina
PHP	Philippine Peso

PKR	Pakistan Rupee
RMB	Chinese Renminbi
SEK	Swedish Kroner
SGD	Singapore Dollar
THB	Thai Baht
TWD	New Taiwan Dollar
USD	U.S. Dollar
VND	Vietnamese Dong
ZAR	South African Rand

4.6.12 Service Option Codes

Please note that codes should be indicated in uppercase as shown below.

Code	Name
ENHLIAB	Enhanced Liability
COD	Cash on Delivery
ATL	Authority to leave
OVERSZ	Over size
OVERWT	Over weight
RTODL	Return to different location
RTO	Return to origin
LATEPU	Late pickup
REMPU	Remote pickup
REMDEL	Remote delivery

4.6.13 VAS Delivery time Codes

Please note that codes should be indicated in uppercase as shown below.

Code	Name
S1	S1 (09:00 - 12:00)
S2	S2 (13:00 - 17:00)
S3	S3 (18:00 - 21:00)
S4	S4 (21:00 - 00:00)

4.6.14 VAS Payment mode Codes

Please note that codes should be indicated in uppercase as shown below.

Code	Name
CSH	Cash
CHQ	Cheque
CRC	Visa/Master

AMX	AMEX
NET	NETS
NCH	Non-cash
GST	GST