



FILE BASED INTEGRATION SPECIFICATION

Pitney Bowes Cross Border Delivery Services

Abstract

This document outlines the details of the file integration between Pitney Bowes and
Retailers

Revision History

Author	Description	Date	Version	Approval
Pitney Bowes	Initial Draft Version	February 1 st 2019	1.0	
Pitney Bowes	Updated shipment manifest details	May 6 th 2019	1.1	
Pitney Bowes	Updated tx-details feed and samples and introduced errors for manifest data resource objects	May 20 th 2019	1.2	

Table of Contents

Revision History.....	1
Introduction.....	4
High level Parcel and Data Flow.....	4
Integration Information Architecture	5
Overview.....	5
Key High-Level File based Integration Architecture Characteristics	5
File Integration Details.....	7
File Transport.....	7
File Naming Convention.....	7
Sample feed names	8
File Format	8
Processing Status Notification	10
First mile label and Pitney Bowes Hub address details	11
Data Flow from Retailer to Pitney Bowes	12
Shipment Manifest	12
Table1: Shipment Data Configuration	13
Specification	13
Example of a shipment file with two shipment records without parcel identifier included.....	15
Example of a shipment file with parcel identifier included	18
Example of a shipment file with shipment record with category code.....	19
Category feed	21
Specification	21

Example	22
Data Flow from Pitney Bowes to Retailer	23
Shipment Response.....	23
Tracking feed	24
Transaction Details feed	27
Appendix I: File Processing error codes	35
System (File Format) Errors	35
File content errors	36
Processing Errors for shipment record	36
Sample .err file for shipment-details.....	37
Appendix 2: Pitney Bowes Tracking Event Codes.....	38
Appendix 3: Getting Pitney Bowes Parcel Identifier in advance	41
Appendix 4: Core Resource Objects for Shipment-details feed	42
Address.....	42
Country	42
Currency	43
HazmatIdentifier	43
HSCode.....	44
MerchantCategory.....	44
MerchantCategoryDescription.....	45
MerchantCommodity.....	45
MerchantCommodityAttribute.....	47
MerchantCommodityCondition.....	47
MerchantCommodityDescription.....	47
MerchantCommodityIdentifier	48
Money	48
ParcelCommodityLineData	48
Person.....	49
PersonId	49
PersonIdentificationData	49
PhoneNumber.....	50
PassportInformation.....	50
Pricing	50

PriceForCod 51

ReturnDetails 51

Seller 52

ShippingDetails..... 52

Size..... 53

Transportation..... 53

Appendix 5 – Canadian Regions and Provinces..... 54

Appendix 6 – Phone Types..... 54

Appendix 7 - Distance Units 55

Appendix 8 - Weight Units 55

Appendix 9 – Hazmat Codes..... 55

Appendix 10 – Supported Currencies 56

Introduction

The primary purpose of this document is to provide detailed set of specifications that will govern file integration contracts between Pitney Bowes and clients for using Pitney Bowes Cross Border Delivery Services. The document describes the high-level integration architecture of the overall solution, including key concerns and data flows.

A fast and free delivery service, with great experience for customers, has become a norm for domestic ecommerce. As global ecommerce matures, international customers expect the same level of delivery service: fast, inexpensive, flexible, and informative experience.

Pitney Bowes is uniquely positioned to fill the market need by providing a holistic cross border delivery service to our customers which is not only fast and low cost but also reliable and provides other value added services such as Export-Import compliance, Landed cost calculations, HS Classifications, End to end tracking visibility etc. to name a few.

Below please find technical documentation to integrate with the PB Carrier Services for your cross-border parcels.

High level Parcel and Data Flow

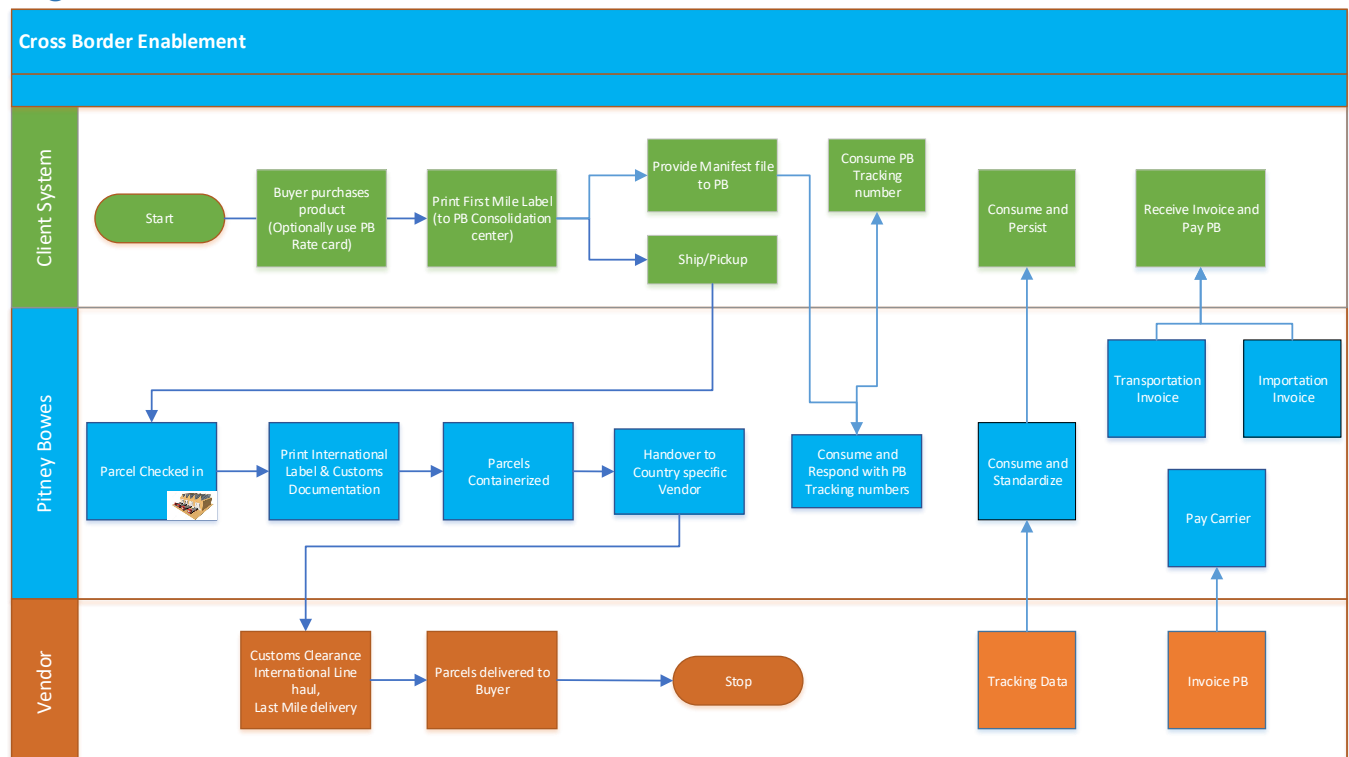


Figure 1: Parcel and Data flow

The diagram above shows a generic flow of a parcel and the related data between your system, Pitney Bowes and our Vendors.

Let's examine a typical workflow, as described in the example above. After your Canadian customer has placed an order on your website, you prepare the parcel in your domestic facility. At this point, you can

use the Pitney Bowes Cross-Border Solution for first-mile delivery or use any other domestic carrier to ship parcels to the Pitney Bowes consolidation facility. Then, as the parcel is en-route to our facility, you provide a parcel manifest file to Pitney Bowes so that our system has all the required information to process parcels for international shipment.

Once a parcel arrives at our consolidation facility, Pitney Bowes performs additional checks to ensure the parcel is compliant with international regulations before it is shipped to the destination address; our extensive transportation network ensures that any parcel can not only clear customs, but also be delivered to your customer in a timely manner.

Pitney Bowes provides end-to-end tracking information using a single tracking number, no matter how many vendors handle the parcel throughout its journey.

Integration Information Architecture

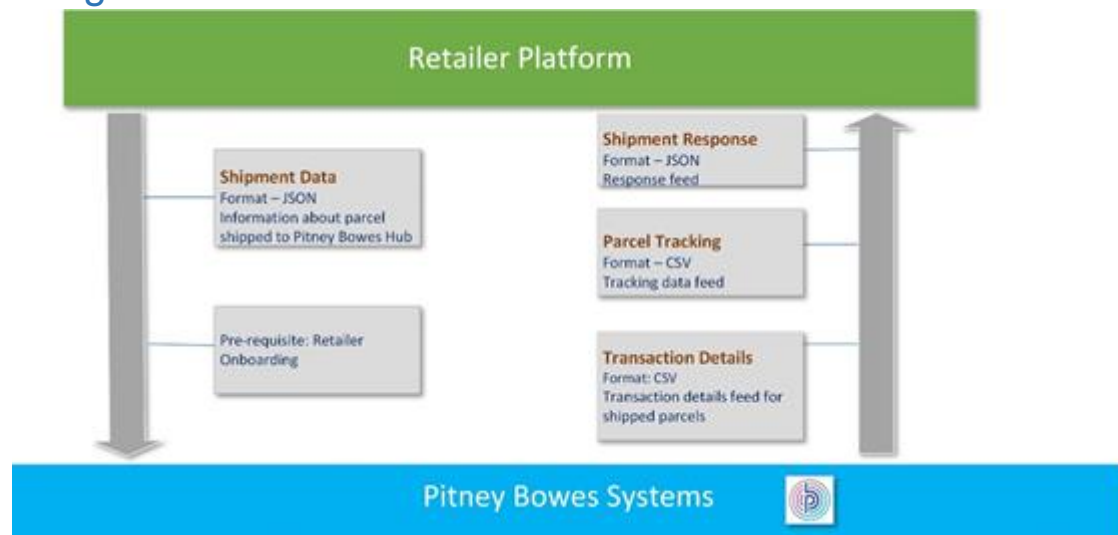


Figure 2: Integration/Information Architecture

Overview

The diagram above shows a very high-level schematic of the integration between retailers and Pitney Bowes for using Pitney Bowes Cross Border Delivery Services for shipping international parcels.

Retailers can use Pitney Bowes Cross Border Services for first-mile delivery or use any domestic carrier to ship parcels to an in-country Pitney Bowes hub. The domestic carrier tracking number passed in the shipment manifest is the parcel barcode that will be used by Pitney Bowes to scan and retrieve the parcel details.

The following section of the document provides an overview of data feeds.

Key High-Level File based Integration Architecture Characteristics

1. Retailer must be onboarded one time on Pitney Bowes platform for billing account set-up to start using cross border services for international parcels. A unique 'merchantId' and designated hub will be provided as part of the registration process.
2. For shipments arriving at the hub, prior information about the parcels must be passed to Pitney Bowes in the form of a shipment manifest feed.
3. Pitney Bowes will perform denied party screening and compliance checks based on data received in the manifest.
4. Any parcel that is flagged as not meeting the compliance screening will be stopped by Pitney Bowes and returned to retailer.
5. Pitney Bowes will provide retailers with standardized tracking information at agreed upon intervals for the parcels in its network.
6. In addition, invoicing details in the form of daily transaction billing feed for the parcels will be provided. The feed will include:
 - Transportation – Shipment Charges for parcels to the destination country once the parcels leave the Pitney Bowes hub
 - Importation – duties and taxes for Customs clearance for DDP shipment
7. The retailer is the exporter of record and must ensure the shipment data provided is accurate.

File Integration Details

This section outlines details of each integration touchpoint between Pitney Bowes and Retailers.

File Transport

SFTP will be the mechanism for files exchanged between Pitney Bowes and retailers. Pitney Bowes will provide the SFTP credentials as part of onboarding activity. If required, retailer may provide its own SFTP location for files exchange.

File encryption is available to ensure privacy and integrity. If file encryption is utilized, digital certificates carrying encryption / decryption key(s) must be exchanged between Pitney Bowes and the retailers as part of the initial configuration of the SFTP accounts.

Each side will push files to the other site unsolicited when new data is available. Files are transferred by the sender to a **Temporary** folder (e.g. /CPPRT000000000000026/tmp) first. Files are then moved to an **Inbound** folder (e.g. /CPPRT000000000000026/inbound) when the transfer process has completed. Inbound files will be archived and removed according to the File Retention Period set by the data feed.

File Naming Convention

All data, message, and log files transferred between your business and Pitney Bowes must follow a special naming convention. Before transferring the shipment file to our server, please ensure that your file is named appropriately, as shown in the example below. All characters in the filename should be separated by an underscore (" _ ") and be in lower case.

```
<Sender_ID>_<Data_Feed_Name>_<Operation>_<Recipient_ID>_<UTC_Date_Time>_<Random_6_Digits>.<File_Extension>
```

For more information on the structure of the file name, please refer to the below table.

Where:

Key Field	Description
<i>Sender_ID</i>	A pre-authorized vendor/merchant ID provided by Pitney Bowes that identifies the origin of the file. <ul style="list-style-type: none">▪ Each retailer will be assigned a unique sender id by Pitney Bowes▪ E.g. 16061 –designated for Pitney Bowes▪ For files from retailer to Pitney Bowes, <sender_Id> will be the retailer sender id
<i>Data_Feed_Name</i>	Predefined name of the data feed “shipment-details” : Shipment manifest file generated by the retailer “shipment-response” : Shipment response feed with Pitney Bowes parcel identifier for successfully processed shipment records in the manifest file

	<p><i>"tracking-update"</i>: Tracking file feed generated by Pitney Bowes</p> <p><i>"tx-details"</i>: Transaction Details feed generated by Pitney Bowes</p>
<i>Operation</i>	<p>Operation to be performed on the data. It's one of the following:</p> <ul style="list-style-type: none"> ▪ <i>update</i> – Records will be updated if exist by the given primary key, otherwise inserted. ▪ <i>delete</i> – Records exist by the given primary key will be removed, otherwise ignored.
<i>Recipient_ID</i>	<p>A pre-authorized vendor/merchant ID that identifies the destination of the file.</p> <ul style="list-style-type: none"> ▪ E.g. 16061 – Pitney Bowes ▪ For files from Pitney Bowes, <Recipient_Id> will be Merchant's Sender ID
<i>UTC_Date_Time</i>	<p>Date and time when the data file was published. It is defined in the UTC time format, "YYYYMMDD_HHMMSS" e.g. "20180123_131530"</p>
<i>Random_6_Digits</i>	<p>A 6-digit random number that ensures file name uniqueness.</p>
<i>File_Extension</i>	<p>File extension that identifies the file type/format. Only one of "zip", "csv", "json" is allowed.</p> <ul style="list-style-type: none"> ▪ <i>zip</i> – Compressed Archive files that contain a data feed file in compressed form. Each zip must contain one data feed file. Both the zip and data files must have the same name and follow the file naming convention described earlier. It is preferred for large files. <p><i>csv</i> – Outbound Data feed files in the Comma Separated Value (CSV) format.</p> <p><i>JSON</i> – Inbound shipment data feed</p>

Sample feed names

For a sample merchant senderId: **GS00001**

From – To	Feed type	Country of shipment US
From retailer to Pitney Bowes	shipment-details	GS00001 _shipment-details_update_ 16061 _20181001_131530_123456.json
From Pitney Bowes to retailer	tracking-update	16061 _tracking-update_update_ GS00001 _20181001_140346_966998.csv

File Format

Depending upon the format for the file generated, following rules are applicable:

JSON file format:

The rules below must be followed to ensure full readability of the json file.

1. **UTF-8** (without BOM) is the default encoding of the file.
2. JSON file is an array of shipment records and each record must have all mandatory attributes/objects defined.
3. File must be a valid json conforming to the json specification (<https://json-schema.org/specification.html>)
4. As part of json specification, Double quotes must be used around strings and property names. Single quotes are not valid.
5. If double quote is to be included as part
6. All occurrences of double quotes in a data field value must be escaped by a backslash (\").
7. **All Datetime** format fields will be expressed in ISO 8601 combined [date and time format](#)(i.e., YYYY-MM-DDThh:mm:ssZ), with 0-based 24-hour time format & UTC time zone, unless otherwise specified

Comma Separated Value (CSV) file format:

The rules below must be followed to ensure full readability of the file.

8. **UTF-8** (without BOM) is the default encoding of the file.
9. **Comma** (“,”) is the field delimiter for both the header record and data records.
10. Mandatory fields must be included in the file. It is preferred that Optional fields be provided as well, to assist in deriving the most accurate quotes and restriction determination. The order of the fields is insignificant. They do not need to follow the order stated in the definition.

Example: *Mandatory_Field3, Optional_Field6, Mandatory_Field1, Mandatory_Field2*

11. Please refer to the link at <https://tools.ietf.org/html/rfc4180> for details on how to handle quotes and other special characters.
12. In general, it is recommended that double quotes be wrapped around entire and all free-form text fields (anything not a numeric field and not a fixed-text indicator). This means any commodity IDs, names descriptions, URLs, etc.
13. All occurrences of commas and newline characters (\n) within a data field must be, at the very least, escaped by a pair of double quotes ("). Similarly, all double quotes inside a data field must be enclosed by another pair of double quotes.

Example: *Field1, Field2, "Field3 contains a, and a double quote "" and other values"*

Note: Sequences like “&” are HTML entities, and are required only in URLs.

14. The first record must be a **header record** that contains field names in left to right order. Each field is separated by a delimiter.
15. The second and subsequent records are **data records** that carry values for each of the fields specified in the header. Each field is separated by a delimiter.
16. Each record must end with the **CR** and **LF** characters.
17. **Date** format fields will be expressed in ISO 8601 [date format](#) (i.e., YYYY-MM-DD), unless otherwise specified.

18. **Datetime** format fields will be expressed in ISO 8601 combined [date and time format](#) (i.e., YYYY-MM-DDThh:mm:ssZ), with 0-based 24-hour time format & UTC time zone, unless otherwise specified

Processing Status Notification

A notification is returned to the sender indicating whether the processing of the data feed is successful or otherwise. A file-based protocol is used to transport notifications over SFTP. A notification file carries the same name of the data feed file name with an “.ok” or “.err” suffix to denote a successful status or processing was aborted due to errors.

Additional information is provided in the payload of these files to aid troubleshooting. The notification file and log file (if available) are submitted to the sender when processing of the data feed is complete.

For every data feed file there should only be one “.ok” or “.err” file.

- **.ok** – The .ok file indicates that the recipient has successfully processed the file. The OK file contains the following pieces of information:
 - **Date-Time Stamp** – The date and time (in the UTC time zone) for when the file was processed.
 - **Number of Records** – The total number of records successfully processed, which, when there are no errors, should be equal to the number of rows in the file – 1.

The “ok” notification file below informs the sender (sample sender ID: **GS00001**) of the shipment file the successful validation of the **shipments** data feed file, **GS00001_shipment-details_update_16061_20181001_131530_123456.json** which contains 1000 shipment entries in total.

GS00001_shipment-details_update_16061_20181001_131530_123456.ok:

```
DATE_TIME,NUMBER_OF_RECORDS
20181001-13:18:12,1000
```

- **.err** – The .err file indicates that the recipient was not able to process some or all the records in the input file, due to errors. The error file contains the following pieces of information:
 - **Date-Time Stamp** – The date and time (in the UTC time zone) for when a data record was processed.
 - **Record Number** – The line number in the file for the record in error. Please note that the first line of the file will always be the header record.
 - **Error Code** – A predefined code (e.g. INVALID_FILE_FORMAT) that identifies an error. An UNKNOWN or NULL value may be specified if the error is not known, or if the error is undefined. For more information on errors, including error codes and descriptions, see Bulk ASN feed error codes.

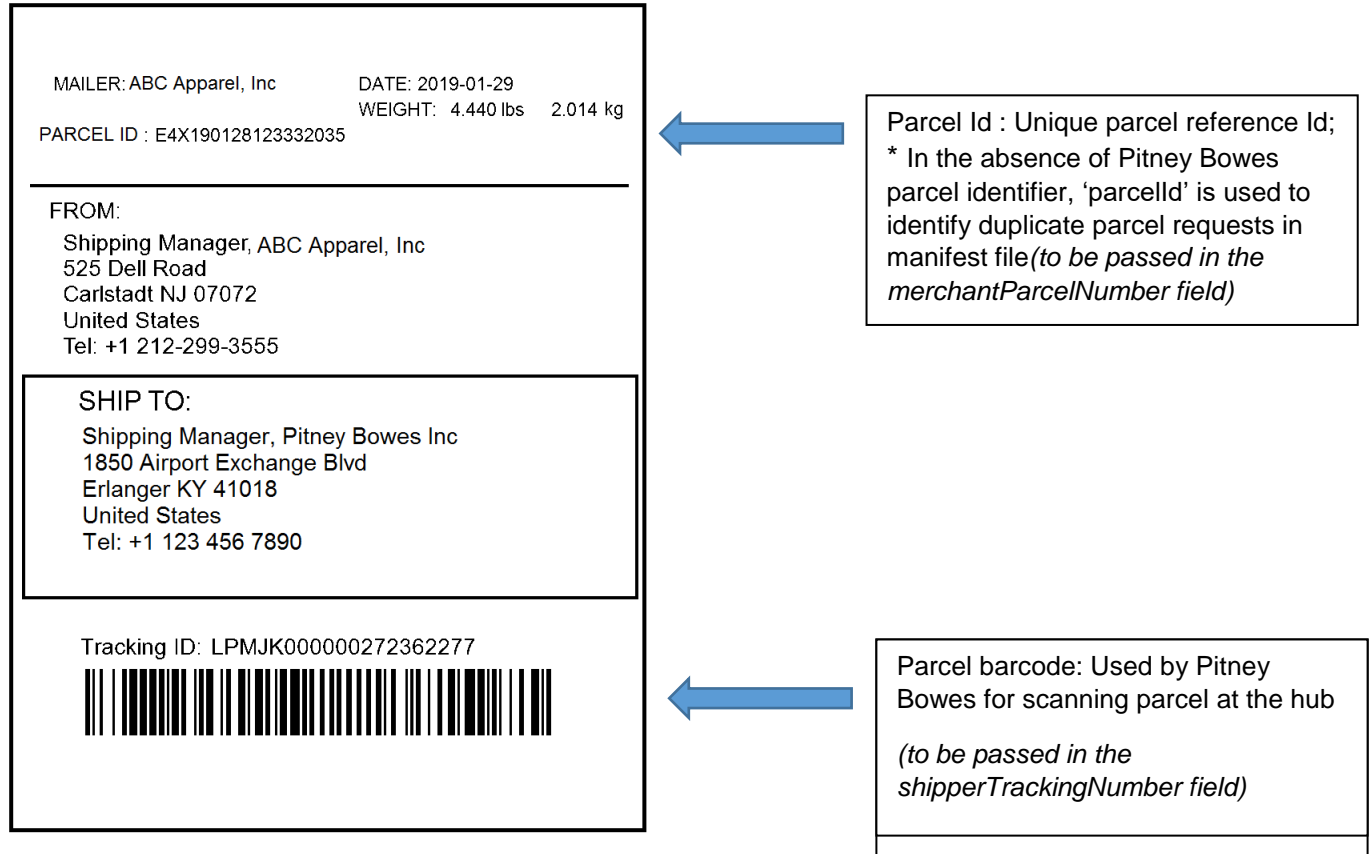
- **Details** – An optional field carrying additional information about the error. This field may carry a brief error description (especially when the error code is unavailable) or the original input record as a reference.
 - **Context_Field_Name** – An optional field containing a field name in error.
 - **Context_Field_Value** – An optional field containing the value of a field name in error.
- If there are any errors in the shipment-details file and you receive an .err file in response from Pitney Bowes, submit a replacement file.
- ⚠ In this replacement file, please only submit “fixed” records; that is, records that were in error in the original file. Please do not submit partial updates for these error records.
- ☐ If you receive an .ok file in response, then there are no errors in your file, and your shipment file has been successfully received!
- ✓ To avoid clutter in your inbound folder, we recommended marking all .ok files as “processed” and moving these files to an archive folder.

First mile label and Pitney Bowes Hub address details

Pitney Bowes has below two processing facilities where the parcels could be shipped to:

Complete Address	HubId
1850 Airport Exchange Blvd Erlanger, KY 41018	US_ELOVATIONS_KY
5959 Randolph St., Dock Door W19 Commerce, CA, US 90040	US_GEODIS_USZ

For using Cross Border Delivery Services, retailers can use any carrier to ship parcel to Pitney Bowes hub including Newgistics. Below sample label describes key fields that require to be passed in the manifest file:



Data Flow from Retailer to Pitney Bowes

Shipment Manifest

- Shipment refers to the details included in the manifest for parcels shipped to an in-country Pitney Bowes facility (hub).
- Parcel Information must be communicated to Pitney Bowes as per the specifications below. This is a mandatory step for the retailers using the file based integration before Pitney Bowes can physically process parcels at its hub.
- The details of the parcels being shipped to Pitney Bowes hub must be in the form of a JSON file. The file naming convention is detailed in [File Naming Convention](#).

Sample file name:

GS00001_shipment-details_update_16061_20181001_131530_123456.json

A single JSON file can be used to pass details of all international parcels being shipped to a Pitney Bowes hub.

- In the file
 - Data for all international parcels shipped in one day can be passed in a single file, not exceeding 100k in a file
 - Multiple files can be generated based on batches of parcels shipped to a Pitney Bowes facility
- The parcel barcode (scannable barcode on the label) must be passed in the following field:

```
"domesticShipmentDetails": {
  "shipperTrackingNumber": "00293499680040020150",
```

- Pitney Bowes assigns a unique identifier to every parcel. If retailer gets a block of Pitney Bowes identifiers (UPID: Unique parcel identifier) in advance, assign an identifier to every parcel and pass it in the following field:

`"parcelIdentifier": " PBXGA000012345678900"`

This field when passed is used to check for uniqueness of parcel data. In case this field is missing, the merchant parcel number is used to determine if a request is submitted already.

If parcel data is repeated across same or different files, an error file (.err) will be generated with duplicate parcel error message for the specific shipment record.

Refer to Appendix 3: Getting Pitney Bowes Parcel Identifier in advance for more details on retrieving block of UPIDs.

- There must not be any significant delay between the time parcels are shipped to the hub and the time a shipment file is submitted to Pitney Bowes to allow adequate time for compliance review for the international shipment. Delay in submitting the parcel data in advance will increase the processing time at the hub impacting the SLA.
- The table below lists a few of the configuration mappings required for the shipment file.

Table1: Shipment Data Configuration

Name	JSON Representation	Value	
Shipping Method	<code>"toHubTransportation": { "speed": "PBXPS" }</code>	Parcel delivery service	Value to be passed
		Standard	PBXPS
Merchant Id	<code>"merchantId"</code>	To be assigned by Pitney Bowes at the time of onboarding	
Hub Id	<code>"hubId"</code>	A designated Pitney Bowes hub Id to which parcel will be shipped. Kentucky hub: <code>US_ELOVATIONS_KY</code> California hub: <code>US_GEODIS_USZ</code>	
HS country	<code>"hsCodes":[{"hsCode": "8526.92.5000", "country": "CN"}]</code>	Destination country Import HS (if available)	

Specification

The *shipment-details* data feed is sent from the retailer to Pitney Bowes and contains the details about the parcels that Pitney Bowes cross border hub will receive. The feed is a JSON file containing an array of shipment object records.

The table below lists all possible fields of a shipment object. Required elements are designated as such.

Note: Please refer to [File content errors](#) for details on error notification

Field	Type	Required	Description	Validation Errors
shipments	Array of shipment object	Yes	Root element for the array of shipment object. All the below listed elements define a single shipment request object	EMPTY_FIELD
merchantId	String(50)	Yes	Unique merchant id assigned to the retailer	EMPTY_FIELD STRING_TOO_LONG INVALID_VALUE
merchantParcelNumber	String(50)	Yes	Unique parcel reference; this field is used to identify duplicate parcel requests	EMPTY_FIELD STRING_TOO_LONG DUPLICATE_VALUE
domesticShipmentDetails	ShippingDetails object	Yes	Details of the service selection and parcel barcode on the label	EMPTY_FIELD STRING_TOO_LONG
toHubTransportation	Transportation object	Yes	Hub ID	EMPTY_FIELD
consignee	Person object	Yes	Consignee Contact details	EMPTY_FIELD
shippingAddress	Address object	Yes	Address details of the consignee	EMPTY_FIELD
hubId	String (50 chars)	Yes	Pitney Bowes in-country hub where the parcels will be shipped. Refer to Table1: Shipment Data Configuration	EMPTY_FIELD STRING_TOO_LONG
parcelSize	Size Object	Yes	Size and weight of the parcel	EMPTY_FIELD
parcelLines	Array [ParcelCommodityLineData Object]	Yes	Parcel content	EMPTY_FIELD
manifestId	String (50)	No	Manifest id	STRING_TOO_LONG
orderId	String (20)	No	Pitney Bowes generated order id – to be	STRING_TOO_LONG

Field	Type	Required	Description	Validation Errors
			ignored for shipment input	
merchantOrderNumber	String (50)	No	Retailer order reference	STRING_TOO_LONG
parcelIdentifier	String (20)	No	This field must be passed ONLY if retailer pre-fetches a block of Pitney Bowes parcel identifiers	STRING_TOO_LONG
state	String (20)	No	NEW, REPLACEMENT	STRING_TOO_LONG
quoteCurrency	Currency Object	No	Refer to Appendix 10 – Supported Currencies	INVALID_VALUE
shipmentDate	String	No	ISO 8601 "YYYY-MM-DDThh:mm:ssTZD"	INVALID_VALUE
expectedDeliveredDate	String	No	ISO 8601 "YYYY-MM-DDThh:mm:ssTZD"	INVALID_VALUE
declaredValue	Money Object	No	Total parcel value	
seller	Seller Object	No	Must be included if retailer is a marketplace or Shipping UI client	

For the JSON resource objects, please refer to Appendix 4: Core Resource Objects for Shipment-details feed

Example of a shipment file with two shipment records without parcel identifier included

```
{
  "shipments": [{
    "manifestId": "1395659007",
    "merchantId": "RETAILER_0001",
    "merchantParcelNumber": "SDS3zllmq4_001_v",
    "merchantOrderNumber": "DS3zllmq4",
    "toHubTransportation": {
      "speed": "PBXPS"
    },
    "declaredValue": {
      "value": 23.71,
      "currency": "USD"
    }
  }]
```



```

    },
    "shipmentDate": "2017-07-13T01:55:00+01:00",
    "expectedDeliveredDate": "2017-07-15T00:00:00+00:10",
    "hubId": "US_ELOVATIONS_KY",
    "consignee": {
      "givenName": "John Smith",
      "familyName": " ",
      "email": "john.smit@testemail.com.",
      "phoneNumbers": [{
        "number": "18727066902",
        "type": "HOME"
      }]
    },
    "shippingAddress": {
      "street1": "10 Wellington St W",
      "street2": "",
      "city": "Toronto",
      "provinceOrState": "ON",
      "country": "CA",
      "postalOrZipCode": "M5V3T4"
    },
    "quoteCurrency": "USD",
    "domesticShipmentDetails": {
      "shipperTrackingNumber": "00293499680040020167",
      "dcId": "CVG10",
      "dcAddress": {
        "street1": "900 Mercer Rd.",
        "city": "Lexington",
        "provinceOrState": "KY",
        "country": "US",
        "postalOrZipCode": "40511"
      }
    },
    "parcelSize": {
      "weight": 181.43692,
      "weightUnit": "g",
      "length": 10,
      "width": 7,
      "height": 3,
      "distanceUnit": "in"
    },
    "parcelLines": [{
      "lineId": 1,
      "parcelCommodity": {
        "merchantComRefId": "B004LB5FB8",
        "descriptions": [{
          "locale": "en_US",
          "name": "The 7th Dawn",
          "shortDescription": ""
        }],
        "coo": "US",
        "commoditySize": {
          "weight": 68.03884,
          "weightUnit": "g"
        },
        "hsCodes": [{
          "hsCode": "8523.41.0000",
          "country": "CN"
        }]
      },
      "quantity": 1,
    }
  ]
}

```

```

        "unitPrice": {
            "value": 17.73
        }
    },
    {
        "manifestId": "1395659007",
        "merchantId": "RETAILER_0001",
        "merchantParcelNumber": "SDMKS8mm04_001_v",
        "merchantOrderNumber": "DMKS8mm04",
        "toHubTransportation": {
            "speed": "PBXPS"
        },
        "declaredValue": {
            "value": 14.29,
            "currency": "USD"
        },
        "shipmentDate": "2017-07-13T01:55:00+01:00",
        "expectedDeliveredDate": "2017-07-15T00:00:00+00:10",
        "hubId": " US_ELOVATIONS_KY",
        "consignee": {
            "givenName": "Dan S Taranu",
            "familyName": " Cohl",
            "email": "dan@gmail.com.",
            "phoneNumbers": [{
                "number": "18727066902",
                "type": "HOME"
            }]
        },
        "shippingAddress": {
            "street1": "318 Wellington Street West",
            "street2": "",
            "city": "Toronto",
            "provinceOrState": "WA",
            "country": "CA",
            "postalOrZipCode": "M5V3T4"
        },
        "quoteCurrency": "USD",
        "domesticShipmentDetails": {
            "shipperTrackingNumber": "00293499680040020150",
            "dcId": "CVG10",
            "dcAddress": {
                "street1": "900 Mercer Rd.",
                "city": "Lexington",
                "provinceOrState": "KY",
                "country": "US",
                "postalOrZipCode": "40511"
            }
        },
        "parcelSize": {
            "weight": 140.61362,
            "weightUnit": "g",
            "length": 10,
            "width": 7,
            "height": 3,
            "distanceUnit": "in"
        },
        "parcelLines": [{
            "lineId": 1,
            "parcelCommodity": {
                "merchantComRefId": "X001C9ES25",

```

```

      "descriptions": [{
        "locale": "en_US",
        "name": "Moto G5 Plus Case, Diztronic Full Matte Slim-Fit
Flexible TPU Case for Motorola Moto G5 Plus (5th Generation, 2017) - (Full Matte Black)",
        "shortDescription": ""
      }],
      "coo": "US",
      "commoditySize": {
        "weight": 40.00004,
        "weightUnit": "g"
      },
      "hsCodes": [{
        "hsCode": "3926.90.9996",
        "country": "CN"
      }]
    },
    "quantity": 1,
    "unitPrice": {
      "value": 9.99
    }
  }
}
]
}

```

Example of a shipment file with parcel identifier included

```

{
  "shipments": [{
    "manifestId": "1395659008",
    "merchantId": "RETAILER_0001",
    "merchantParcelNumber": "SDS3zllmq6_001_v",
    "merchantOrderNumber": "DS3zllmq6",
    "parcelIdentifier": "PBXGA000012345678900",
    "toHubTransportation": {
      "speed": "PBXPS"
    },
    "declaredValue": {
      "value": 23.71,
      "currency": "USD"
    },
    "shipmentDate": "2018-07-13T01:55:00+01:00",
    "expectedDeliveredDate": "2018-07-15T00:00:00+00:10",
    "hubId": "US_ELOVATIONS_KY",
    "consignee": {
      "givenName": "John Smith",
      "familyName": " ",
      "email": "john.smit@testemail.com.",
      "phoneNumbers": [{
        "number": "18727066911",
        "type": "HOME"
      }]
    },
    "shippingAddress": {
      "street1": "10 Wellington St W",
      "street2": "",
      "city": "Toronto",
      "provinceOrState": "ON",
      "country": "CA",
      "postalOrZipCode": "M5V3T4"
    }
  }]
}

```

```

    },
    "quoteCurrency": "USD",
    "domesticShipmentDetails": {
      "shipperTrackingNumber": "00293499680040020200",
      "dcId": "CVG10",
      "dcAddress": {
        "street1": "900 Mercer Rd.",
        "city": "Lexington",
        "provinceOrState": "KY",
        "country": "US",
        "postalOrZipCode": "40511"
      }
    },
    "parcelSize": {
      "weight": 181.43692,
      "weightUnit": "g",
      "length": 10,
      "width": 7,
      "height": 3,
      "distanceUnit": "in"
    },
    "parcelLines": [{
      "lineId": 1,
      "parcelCommodity": {
        "merchantComRefId": "B004LB5FB8",
        "descriptions": [{
          "locale": "en_US",
          "name": "The 7th Dawn",
          "shortDescription": ""
        }],
        "coo": "US",
        "commoditySize": {
          "weight": 68.03884,
          "weightUnit": "g"
        },
        "hsCodes": [{
          "hsCode": "8523.41.0000",
          "country": "CN"
        }]
      },
      "quantity": 1,
      "unitPrice": {
        "value": 17.73
      }
    }
  ]
}

```

Example of a shipment file with shipment record with category code

- Note: to be used only if category tree is provided in advance

```

{
  "manifestId": "1395659007",
  "merchantId": "AGL_0001",
  "merchantParcelNumber": "SDS3zllmq4_001_v21",
  "merchantOrderNumber": "DS3zllmq4_12",
  "toHubTransportation": {
    "speed": "PBXPS"
  },
}

```

```
"declaredValue": {
  "value": 23.71,
  "currency": "USD"
},
"shipmentDate": "2017-07-13T01:55:00+01:00",
"expectedDeliveredDate": "2017-07-15T00:00:00+00:10",
"hubId": "US_GEODIS_USX",
"consignee": {
  "givenName": "Eric",
  "familyName": "Cooper",
  "email": "eric.cooper@gmail.com.",
  "phoneNumbers": [
    {
      "number": "18727066902",
      "type": "home"
    }
  ]
},
"shippingAddress": {
  "street1": "318 Wellington St W",
  "street2": "Suite 23",
  "city": "Toronto",
  "provinceOrState": "NS",
  "country": "CA",
  "postalOrZipCode": "M5V3T4"
},
"quoteCurrency": "USD",
"domesticShipmentDetails": {
  "shipperTrackingNumber": "00293499680040020167",
  "dcId": "US_GEODIS_USX",
  "dcAddress": {
    "street1": "1850 Mercer Rd.",
    "city": "Lexington",
    "provinceOrState": "KY",
    "country": "US",
    "postalOrZipCode": "40511"
  }
},
"parcelSize": {
  "weight": 11.43692,
  "weightUnit": "lb",
  "length": 10.1,
  "width": 7,
  "height": 3,
  "distanceUnit": "in"
},
"parcelLines": [
  {
    "lineId": 1,
    "parcelCommodity": {
      "merchantComRefId": "B004LB5FB8",
      "descriptions": [
        {
          "locale": "en_US",
          "name": "The 7th Dawn",
          "shortDescription": "DVD"
        }
      ]
    },
    "categories": [
      {
        "merchantCatRefId": "6819"
```

```

    }
  ],
  "coo": "US",
  "commoditySize": {
    "weight": 168.03884,
    "weightUnit": "g"
  },
  "hsCodes": [
    {
      "hsCode": "8523.41.0000",
      "country": "CN"
    }
  ]
},
"quantity": 1,
"unitPrice": {
  "value": 17.73
}
}
]
}

```

Category feed

Note: Information about file naming convention, ok/err handling is detailed in [File Naming Convention](#).

The category tree is a data feed sent from a retailer to Pitney Bowes that defines the retailer's catalog hierarchical structure. Retailer may also refer to Pitney Bowes generic category tree for reference or use eBay category tree or Google taxonomy in the case of which this feed is not required but advance knowledge of the category tree to be referred by the retailer is needed.

Categories are needed as high-level, generalized descriptions of what the commodities are.

Categories must be organized and named around physical descriptions of what the commodities are (e.g. cameras). Categories should not be organized or named around:

- Usage activity ("photography", "camping", etc.)
- Usage events ("Mother's Day", "Father's Day", etc.)
- Condition, ("new", "used", etc.)
- How popular they are ("top sellers")
- How desirable they are ("must have's", "top 100", etc.)

Specification

File Definition

- **Data Feed Name:** *category-tree*

e.g. GS00001_category-tree_update_16061_20190304_000000_111111.csv

- **File Format:** JSON
- **Frequency:** On demand

Name	Description	Primary Key (Y/N)	Allow NULL (Y/N)	Format	Size
CATEGORY_ID	A unique ID identifying the category. As part of parcel commodity data in the manifest file, this must be passed in <i>parcelLines[].parcelCommodity.categories[].merchantCatRefId</i> field.	Y	N	Alpha-numeric	20
Key Field	Description				
PARENT_CATEGORY_ID	Parent category ID. Note that only the root category contains a NULL value.	Y	N	Alpha-numeric	20
NAME	Name of the category.		N	String	255
ID_PATH	A hierarchical path to the category represented by the category ID of each level concatenated with a colon delimiter. E.g. "9785:8266:9798:9799:10203".		Y	String	1000
URL	URL of the category. E.g. http://merchant.com/consumable%20and%20grocery/baby/baby_care/baby%20consumables/baby%20food . URLs must be accessible world-wide without filtering based on the viewer's IP location.		Y	String	2048

Example

CATEGORY_ID,PARENT_CATEGORY_ID,NAME,ID_PATH,URL

1*USA,,Auto Care,,

1001-200,200*USA,Apparel,, 11*USA,,Cosmetics,, 12*USA,,Personal Care,, 161*USA,,Administration,,
162*USA,,Business Building,, 163*USA,,Communications,, 167*USA,,NMTSS,, 168*USA,,Pet Care,,
169*USA,,Training,, 171*USA,,IBV,, 172*USA,,nutraMetrix,, 173*USA,,Home & Garden,, 181*USA,,MA
My World,,

183*USA,,Conquer Entertainment,, 185*USA,,Loren Jewels,, 187*USA,,FIXX,,

190*USA,,DNA Miracles,, 20*USA,,Web Services,, 200*USA,,Media,, 202*USA,,Financial Services,,
21*USA,,Corporate,, 23*USA,,Anti-Aging,, 8*USA,,Health & Nutrition,,

AUS11702-21,21*USA,Services/Subscriptions,, HKG12033-161,161*USA,Administrative,, USA10001-
23,23*USA,Anti-Aging Supplements,, USA10001-8,8*USA,Anti-Aging Supplements,,

Data Flow from Pitney Bowes to Retailer

This section details the feeds that Pitney Bowes will provide to retailers for handled parcels:

Shipment Response

For every shipment-details input file, Pitney Bowes will generate a response feed for successfully processed parcels data.

Pitney Bowes will return a Parcel identifier (UPID- Universal Parcel Identifier) for retailers interested in using Pitney Bowes tracking API or tracking UI and have not already obtained a block of UPID in advance. In addition, the UPID will be passed along with retailer parcel reference identifier in the Pitney Bowes tracking and transaction feeds.

Specification

Note: Information about file naming convention for ok/err handling files is detailed in the [File Naming Convention](#).

Data Feed Name: *shipment-response*

e.g. 16061_shipment-response_update_GS00001_20190108_131530_000013.json

File Format: JSON

Fields: *JSON file is a collection of shipment response as specified below:*

Name	Description	Primary Key (Y/N)	Allow NULL (Y/N)	Format	Size
inputFile	Name of the input shipment-details_update file	Y	N	String	
shipmentBatchResponse	Root element for the array of shipment response objects. All the below listed elements define a single shipment response object		N	Array	
merchantId	Unique merchant id assigned to the retailer	Y	N	String	50
merchantOrderNumber	The order number of the retailer	N	N	String	50

Name	Description	Primary Key (Y/N)	Allow NULL (Y/N)	Format	Size
merchantParcelNumber	Unique parcel reference provided by retailer	Y	N	String	50
parcelIdentifier	Pitney Bowes assigned Universal Parcel Identifier - UPID to the parcel	Y	N	String	20
manifestId	Manifest Id as received in the input shipment-details file	Y	N	String	50

Sample

```
{
  "inputFile": " GS00001_shipment-details_update_16061_20181001_131530_123456.json",
  "shipmentBatchResponse": [
    {
      "merchantId": "RETAILER_0001",
      "merchantOrderNumber": "DS3zllmq4",
      "merchantParcelNumber": "SDS3zllmq4_001_v",
      "parcelIdentifier": " PBXCB000000000123456",
      "manifestId": "1395659007"
    },
    {
      "merchantId": " RETAILER_0001",
      "merchantOrderNumber": "DMKS8mm04",
      "merchantParcelNumber": "SDMKS8mm04_001_v",
      "parcelIdentifier": " PBXCB000000000113355",
      "manifestId": "1395659007"
    }
  ]
}
```

Tracking feed

- Pitney Bowes will provide tracking events in the form of a feed for handled parcels.
- This feed will contain events corresponding to internal and external events (hub processing + carrier provided events) and is in **csv format**.

- Retailer will be required to process the Pitney Bowes tracking feed to receive tracking events (if not using Pitney Bowes tracking API or tracking page)
- This feed will be generated every 2 hours (configurable) . If the retailer requires feed to be generated more/less frequently, Pitney Bowes will need to be informed.
- Retailer can also use Pitney Bowes tracking page to track individual parcel events:
<https://tracking.pb.com/>

Specification

Note: Information about file naming convention, ok/err handling is detailed in [File Naming Convention](#).

This file will be used by Pitney Bowes to provide tracking updates to the merchant. The file will have only the net-new data received from the carriers since the previous file was pushed to the merchant.

- **Data Feed Name:** *tracking-update*
e.g. 16061_tracking-update_update_GS00001_20190114_223005_252453.csv
- **File Format:** csv
- **Frequency:** 12 Times Daily (configurable)
- **Fields:**

Name	Description	Primary Key (Y/N)	Allow NULL (Y/N)	Format	Size
PACKAGE_IDENTIFIER	UPID (PB generated parcel identifier)	Y	N	Text	20
PACKAGE_IDENTIFIER_TYPE	Type of Package Identifier. Valid values: 0 0 = TrackingNumber		N	Numeric	1
PACKAGE_STATUS	Valid values: 1- Acceptance 2 - Manifest 3 - InTransit 4 - Delivered 5 - ReturnToSender 6 – OutForDelivery 7 - DeliveryAttempt 9 – Exception		N	Numeric	1
EVENT_CODE	The tracking event code agreed upon with the partner.	Y	N	Text	1
EVENT_DESCRIPTION	The description of the event code. For events such as “XOR”, “XOX” one or more reason codes are also included. They are appended to the description with a hyphen (“-”) as a separator. Each code is delimited by a semi colon (“;”). Below is the format of a EVENT_DESCRIPTION. <Event_Description>- <Reason_Code1>;<Reason_Code2> ...;<Reason_CodeN>		Y	Text	500
EVENT_DATE	Date when the event occurred Format: YYYYMMDD	Y	N	Text	8

Name	Description	Primary Key (Y/N)	Allow NULL (Y/N)	Format	Size
EVENT_TIME	Time when the event occurred Format: HHMMSSsss	Y	N	Text	9
EVENT_CITY	City where the event occurred.		Y	Text	500
EVENT_STATE	State where the event occurred.		Y	Text	500
EVENT_ZIP	Zip where the event occurred.		Y	Text	500
EVENT_COUNTRY	Country where the event occurred.		Y	Text	500
COMPANY_NAME	The company name where package delivered (if applicable).		Y	Text	500
SIGNED_BY	Name of the person signing for delivery (if applicable).		Y	Text	500
AUTHORIZED_AGENT	Valid values: 0 or 1 0 = FALSE 1 = TRUE		Y	Text	1
PARTNER_TRANSACTION_ID	Transaction ID is optional.		Y	Text	500
ESTIMATED_DELIVERY_DATE	Valid format: YYYYMMDD		Y	Text	8
ESTIMATED_DELIVERY_TIME	Valid Format: HHMMSSsss		Y	Text	9
SERVICE_CODE	Code that corresponds to Mail or package class		Y	Text	500
SERVICE_NAME	Mail or package class.		Y	Text	500
WEIGHT	Weight of the package		Y	Text	500
WEIGHT_UOM	Unit in which the weight is expressed (e.g. lbs)		Y	Text	500
DESTINATION_CITY	Name of the city where the package is destined.		Y	Text	500
DESTINATION_STATE	State where the package is destined.		Y	Text	500
DESTINATION_POSTAL_CODE	Postal code where the package is destined.		Y	Text	500
DESTINATION_COUNTRY_CODE	ISO Alpha-3 Country code where the package is destined.		Y	Text	3
PARTNER_PARCEL_ID	Partner Parcel ID (maps to unique seller parcel reference)		Y	Text	50
PARTNER_ORDER_ID	Partner Order ID/number used to refer to the order.		Y	Text	50
ORDER_ID	Pitney Bowes Order Id		N	Text	20

List of Event codes that Pitney Bowes will pass in tracking feed are listed in Appendix 2: Pitney Bowes Tracking Event Codes

Sample

```

PACKAGE_IDENTIFIER,PACKAGE_IDENTIFIER_TYPE,PACKAGE_STATUS,EVENT_CODE,EVENT_
DESCRIPTION,EVENT_DATE,EVENT_TIME,EVENT_CITY,EVENT_STATE,EVENT_ZIP,EVENT_COU
NTRY,COMPANY_NAME,SIGNED_BY,AUTHORIZED_AGENT,PARTNER_TRANSACTION_ID,ESTIMA
TED_DELIVERY_DATE,ESTIMATED_DELIVERY_TIME,SERVICE_CODE,SERVICE_NAME,WEIGHT,
WEIGHT_UOM,DESTINATION_CITY,DESTINATION_STATE,DESTINATION_POSTAL_CODE,DESTIN
ATION_COUNTRY_CODE,PARTNER_PARCEL_ID,PARTNER_ORDER_ID,ORDER_ID
UPATA000000000213445,0,2,PSR,Tracking Details
Uploaded,20170414,080654000,,,,,,,,,id,20160731,101530000,,,2.4251,LB,Shanghai,SH,201300,DE,BR
J3vrZZpg7_001_v2,D3vrZZpg4,ORFUSP1199877917DE
UPATA000000000213456,0,2,PSR,Tracking Details
Uploaded,20170414,080654000,,,,,,,,,id,20160731,101530000,,,2.4251,LB,Shanghai,SH,201300,DE,BR
J3vrZZpg7_001_v3,D3vrZZpg4,ORFUSP1199877925DE
UPATA000000000213467,0,2,PSR,Tracking Details
Uploaded,20170713,005500000,,,,,,,,,id,20170714,235000000,,,0.4,LB,Toronto,NS,M5V3T4,CA,SDS3zll
mq4_001_v2,DS3zllmq4_12,ORFUSP1199877933CA
UPATA000000000213398,0,2,PSR,Tracking Details
Uploaded,20170713,015800000,,,,,,,,,id,20170714,235000000,,,1.1023,LB,TORONTO,VI,M4C1P9,CA,R
KSDsrg5nxRk_001_v,RKDsg5nxRk,ORFUSP1199877867CA
UPATA000000000213401,0,2,PSR,Tracking Details

```

Transaction Details feed

1. The Transaction Details is a data feed sent from Pitney Bowes to the retailer providing details of billing items for which the retailer is being invoiced.
2. The following details are provided in the feed:
 - a. Transportation charges based on actual parcel weights
 - b. Importation charges based on carrier invoices for custom clearance (only for DDP Shipment)

Specification

The Transaction Details feed for a given calendar day (Eastern Time) will be delivered at approximately 08:15 UTC (GMT) on the following calendar day. For example, the Transaction Details feed for January 1, 2018 would be delivered at approximately 08:15 UTC (GMT) on January 2, 2018.

Note: Information about file naming convention, ok/err handling is detailed in [File Naming Convention](#).

File Definition

- **Data Feed Name:** *tx-details*
e.g. 16061_tx-details_update_ GS00001_20190415_111141_190415.csv
- **File Format:** CSV
- **Frequency:** Daily

Fields:

Name	Description	Primary Key (Y/N)	Allow NULL (Y/N)	Format
EVENT_TYPE	Denotes the type of event that triggered the billing item. Values may be: <ul style="list-style-type: none"> • Forward • Forward-Reversal • Forward-Reissue • Exception • Exception-Reversal • Exception-Reissue • MMS • MMS-Reversal • MMS-Reissue 		N	Text
EVENT_ID	Identifier of the event that triggered the billing item.		N	Alphanumeric
ITEM_TYPE	Denotes whether this item is a debit (i.e., partner being charged) or credit (i.e., partner being credited). Values may be: <ul style="list-style-type: none"> • Debit • Credit 		N	Text
SERVICE_TYPE	Denotes the type of service being charged or credited for. Values may be one of the Service Types enumerated below.		N	Text
PARCEL_TYPE	Denotes the type of parcel that resulted in the item, when EVENT_TYPE is a parcel processing event. Values may be: <ul style="list-style-type: none"> • Forward • Exception <ul style="list-style-type: none"> ○ for domestic hub exceptions 		Y	Text
FINAL_DISPOSITION	For domestic Exception parcels, indicates the final disposition of the parcel. <p>Values may be:</p> <ul style="list-style-type: none"> • Return • Destroy 		Y	Text
REASON_CODES	Set of parcel line item level codes indicating the determinations made at various points during the event lifecycle (e.g., hub exception handling, customer service, etc.) which contributed to its final disposition and which may result in different billing scenarios. <p>Note that this field is multi-valued and values are separated by semi-colons (;). e.g., OVERWT_RETURN;DMG_DESTROY_LEAKING</p>		Y	Text
COMMODITY_VERIFICATION_CODES	RESERVED FOR FUTURE USE		Y	Text
COD	The original country of destination (COD) of any parcel, specified as a ISO 3166-1 alpha-3 country		Y	Text

	code. Defined only when PARCEL_TYPE is specified. For domestic Exception parcels, this is the original intended COD, not any Return country.			
MERCHANT_ID	ID of the partner's merchant with which the order was placed.		Y	Alphanumeric
MERCHANT_NAME	Name of the partner's merchant with which the order was placed.		Y	Alphanumeric
ORDER_ID	PB Order ID assigned to the order.		Y	Alphanumeric
PARTNER_ORDER_ID	Partner Order ID/number used to refer to the order.		Y	Alphanumeric
PARCEL_ID	PB Parcel ID (i.e., UPID).		Y	Alphanumeric
PARTNER_PARCEL_ID	Partner Parcel ID		Y	Alphanumeric
ORIGINAL_PARCEL_ID	The PB Parcel ID (i.e., UPID) for the original inbound parcel that was received at the domestic hub, and split into multiple outbound parcels. This field will only be populated for such split outbound parcels, where inbound parcel ASN/pre-advise was received and will be empty otherwise.		Y	Alphanumeric
BILLABLE_PARCEL_WEIGHT	Parcel weight amount used to assess shipping costs, where applicable. Value may represent a scale or dimensional weight.		N	Numeric
BILLABLE_PARCEL_WEIGHT_UOM	Unit of measure that BILLABLE_PARCEL_WEIGHT amount is expressed in. Values may be KG or LB.		N	Text
COMMODITY_ID	PB Commodity ID. This value is only specified where the billing item pertains to a specific parcel line item (e.g., Exception Shipping).		Y	Alphanumeric
COMMODITY_SKU	Partner/merchant's Commodity SKU. This value is only specified where the billing item pertains to a specific parcel line item (e.g., Exception Shipping).		Y	Alphanumeric
ORDER_CREATE_DATETIME	Datetime at which the order was created (i.e., placed).		Y	Datetime
ORDER_CONFIRM_DATETIME	Datetime at which the order was confirmed.		Y	Datetime
EVENT_DATETIME	Datetime at which the event triggering the billing item occurred (e.g., forward parcel processed at the hub).		N	Datetime
POSTED_DATETIME	Datetime at which the billing item was posted to the invoice and became billable.		N	Datetime
CURRENCY	ISO 4217 code of the currency in which all monetary value fields are denominated.		N	Text
UNIT_PRICE	The billing item price for each single unit quantity.		N	Numeric
QUANTITY	The number of instances or units of the service that were rendered and being billed for in this billing item. For all current SERVICE_TYPE values, this value will always be 1.		N	Numeric
SUBTOTAL	The billing item subtotal amount for all quantities (i.e., UNIT_PRICE x QUANTITY), but excluding any SALES_TAXES		N	Numeric
SALES_TAXES	The total amount of any sales taxes applied on the SUBTOTAL above.		N	Numeric
TOTAL	The billing item total amount (i.e., SUBTOTAL + SALES_TAXES).		N	Numeric
PURCHASE_ORDER_NO	RESERVED FOR FUTURE USE		Y	Text
INVOICE_NO	The number of the invoice to which this billing item was posted.	Y	N	Alphanumeric
INVOICE_LINE_ITEM_NO	The number used to refer to this billing item (i.e., invoice line item) on the invoice.	Y	N	Numeric
INVOICE_TOTAL	The total payable amount of the invoice identified by INVOICE_NO, inclusive of the TOTAL of all items.		N	Numeric

Service Types

The ranges of SERVICE_TYPE field values that may be reported in the Transaction Details feed files are listed below.

SERVICE_TYPE Value	EVENT_TYPE Values	Description
Shipping	All except MMS, MMS-Reversal and MMS-Reissue	Parcel shipping charge.
Handling	All except MMS, MMS-Reversal and MMS-Reissue	Parcel handling charge.
Duty	Forward, Forward-Reversal or Forward-Reissue	Duty charge. Note: Duty will not be charged (i.e., not appear in this feed) for parcels destined for Brazil.
Tax	Forward, Forward-Reversal or Forward-Reissue	Tax charge, per country and region specific sales tax or value added tax (VAT) rates. Note: Tax will not be charged (i.e., not appear in this feed) for parcels destined for Brazil.
Brokerage	All except MMS, MMS-Reversal and MMS-Reissue	Customs brokerage/importation fee charge, including Technology Fee. Note: For Exception parcels only, Brokerage charge will consist exclusively of the Technology Fee.
Open Box	Forward, Forward-Reversal or Forward-Reissue	Open Box handling surcharge.
Exception Handling	Exception, Exception-Reversal or Exception-Reissue	Domestic hub exception handling charge.
Exception Shipping	Exception, Exception-Reversal or Exception-Reissue	Domestic hub exception shipping charge for those Exception parcels with a FINAL_DISPOSITION of Return.
Classification	All except MMS, MMS-Reversal and MMS-Reissue	Commodity classification charge.
Contract Revenue	All except MMS, MMS-Reversal and MMS-Reissue	Charges associated with contract business terms, such as Monthly Minimum Shortfall (MMS) charges.
Disbursement	Forward	Surcharge on Custom's duty payment
DGHandling	Forward	For processing parcels containing Lithium batteries (within the limits established by the customs authorities)
AddressCorrection	Forward	To correct the buyer's address during parcel processing
Oversize	Forward or Exception	Parcel level charge added if the parcel exceeded the max dimensions/weight specified as per service agreement with Pitney Bowes

Samples:

1. Transactions for forward parcels (parcels shipped from the Pitney Bowes processing facility to their final destinations) including special processing charges such as for DG or open-box.

** Note: 'Quoting Service' only applied if client is using Pitney Bowes cross border quote API*

```
EVENT_TYPE,EVENT_ID,ITEM_TYPE,SERVICE_TYPE,PARCEL_TYPE,FINAL_DISPOSITIO
N,REASON_CODES,COMMODITY_VERIFICATION_CODES,COD,MERCHANT_ID,MERCHA
NT_NAME,ORDER_ID,PARTNER_ORDER_ID,PARCEL_ID,PARTNER_PARCEL_ID,ORIGINA
L_PARCEL_ID,BILLABLE_PARCEL_WEIGHT,BILLABLE_PARCEL_WEIGHT_UOM,COMMOD
ITY_ID,COMMODITY_SKU,ORDER_CREATE_DATETIME,ORDER_CONFIRM_DATETIME,EV
ENT_DATETIME,POSTED_DATETIME,CURRENCY,UNIT_PRICE,QUANTITY,SUBTOTAL,SA
LES_TAXES,TOTAL,PURCHASE_ORDER_NO,INVOICE_NO,INVOICE_LINE_ITEM_NO,INVO
ICE_TOTAL
```

```
Forward,PBXCA000000005755044,Debit,Shipping -
International,Forward,,,,CAN,RETAILER_0001,RETAILER_NAME,ORUSAP1201320418CA,CB
DSMON1557475475240,PBXCA000000005755044,CBDSMPN1557475475240,,28.0000,LB,,,2
019-05-10T08:02:03Z,2019-05-10T08:02:03Z,2019-05-10T08:25:47Z,2019-06-
01T16:19:22Z,USD,30.42,1,30.42,0.00,30.42,,0090016400,1,200.68
```

```
Forward,PBXCA000000005755011,Debit,Shipping -
International,Forward,,,,CAN,RETAILER_0001,RETAILER_NAME,ORUSAP120132038
4CA,CBDSMON1557475467108,PBXCA000000005755011,CBDSMPN155747546710
9,,47.0000,LB,,,2019-05-10T08:02:01Z,2019-05-10T08:02:01Z,2019-05-
10T08:25:47Z,2019-06-
01T16:19:22Z,USD,45.26,1,45.26,0.00,45.26,,0090016400,1,200.68
```

```
Forward,PBXCA000000005755022,Debit,Shipping -
International,Forward,,,,CAN,RETAILER_0001,RETAILER_NAME,ORUSAP120132039
2CA,CBDSMON1557475473783,PBXCA000000005755022,CBDSMPN155747547378
4,,11.0000,LB,,,2019-05-10T08:02:02Z,2019-05-10T08:02:02Z,2019-05-
10T08:25:47Z,2019-06-
01T16:19:22Z,USD,15.22,1,15.22,0.00,15.22,,0090016400,1,200.68
```

```
Forward,PBXCA000000005755033,Debit,Shipping -
International,Forward,,,,CAN,RETAILER_0001,RETAILER_NAME,ORUSAP120132040
0CA,CBDSMON1557475474532,PBXCA000000005755033,CBDSMPN155747547453
2,,28.0000,LB,,,2019-05-10T08:02:03Z,2019-05-10T08:02:03Z,2019-05-
10T08:25:47Z,2019-06-
01T16:19:22Z,USD,30.42,1,30.42,0.00,30.42,,0090016400,1,200.68
```

```
Forward,PBXCA000000005755022,Debit,Fuel Surcharge -
International,Forward,,,,CAN,RETAILER_0001,RETAILER_NAME,ORUSAP120132039
2CA,CBDSMON1557475473783,PBXCA000000005755022,CBDSMPN155747547378
4,,11.0000,LB,,,2019-05-10T08:02:02Z,2019-05-10T08:02:02Z,2019-05-
10T08:25:47Z,2019-06-
01T16:19:22Z,USD,1.33,1,1.33,0.00,1.33,,0090016400,5,200.68
```


Forward,PBXCA000000005755044,Debit,Fuel Surcharge -
International,Forward,,,,CAN,RETAILER_0001,RETAILER_NAME,ORUSAP120132041
8CA,CBDSMON1557475475240,PBXCA000000005755044,CBDSMPN155747547524
0,,28.0000,LB,,,2019-05-10T08:02:03Z,2019-05-10T08:02:03Z,2019-05-
10T08:25:47Z,2019-06-
01T16:19:22Z,USD,2.66,1,2.66,0.00,2.66,,0090016400,5,200.68

Forward,PBXCA000000005755033,Debit,Fuel Surcharge -
International,Forward,,,,CAN,RETAILER_0001,RETAILER_NAME,ORUSAP120132040
0CA,CBDSMON1557475474532,PBXCA000000005755033,CBDSMPN155747547453
2,,28.0000,LB,,,2019-05-10T08:02:03Z,2019-05-10T08:02:03Z,2019-05-
10T08:25:47Z,2019-06-
01T16:19:22Z,USD,2.66,1,2.66,0.00,2.66,,0090016400,5,200.68

Exception,PBXCA000000005755055,Debit,Quoting
Service,Exception,Return,,,CAN,RETAILER_0001,RETAILER_NAME,ORUSAP120132
0426CA,CBDSMON1557475475734,PBXCA000000005755055,CBDSMPN155747547
5734,,,,,2019-05-10T08:02:04Z,2019-05-10T08:02:04Z,2019-05-10T08:25:47Z,2019-
06-01T16:19:22Z,USD,0.00,1,0.00,0.00,0.00,,0090016400,5,200.68

Forward,PBXCA000000005755011,Debit,Fuel Surcharge -
International,Forward,,,,CAN,RETAILER_0001,RETAILER_NAME,ORUSAP120132038
4CA,CBDSMON1557475467108,PBXCA000000005755011,CBDSMPN155747546710
9,,47.0000,LB,,,2019-05-10T08:02:01Z,2019-05-10T08:02:01Z,2019-05-
10T08:25:47Z,2019-06-
01T16:19:22Z,USD,3.96,1,3.96,0.00,3.96,,0090016400,5,200.68

Forward,PBXCA000000005755011,Debit,Quoting
Service,Forward,,,,CAN,RETAILER_0001,RETAILER_NAME,ORUSAP1201320384CA,
CBDSMON1557475467108,PBXCA000000005755011,CBDSMPN1557475467109,,47.
0000,LB,,,2019-05-10T08:02:01Z,2019-05-10T08:02:01Z,2019-05-10T08:25:47Z,2019-
06-01T16:19:22Z,USD,1.75,1,1.75,0.00,1.75,,0090016400,7,200.68

Forward,PBXCA000000005755022,Debit,Open Box
Fee,Forward,,,,CAN,RETAILER_0001,RETAILER_NAME,ORUSAP1201320392CA,CB
DSMON1557475473783,PBXCA000000005755022,CBDSMPN1557475473784,,11.00
00,LB,,,2019-05-10T08:02:02Z,2019-05-10T08:02:02Z,2019-05-10T08:25:47Z,2019-
06-01T16:19:22Z,USD,1.50,1,1.50,0.00,1.50,,0090016400,7,200.68

Forward,PBXCA000000005755033,Debit,Quoting
Service,Forward,,,,CAN,RETAILER_0001,RETAILER_NAME,ORUSAP1201320400CA,
CBDSMON1557475474532,PBXCA000000005755033,CBDSMPN1557475474532,,28.
0000,LB,,,2019-05-10T08:02:03Z,2019-05-10T08:02:03Z,2019-05-10T08:25:47Z,2019-
06-01T16:19:22Z,USD,1.75,1,1.75,0.00,1.75,,0090016400,7,200.68

Forward,PBXCA000000005755044,Debit,Quoting
Service,Forward,,,,CAN,RETAILER_0001,RETAILER_NAME,ORUSAP1201320418CA,
CBDSMON1557475475240,PBXCA000000005755044,CBDSMPN1557475475240,,28.

0000,LB,,,2019-05-10T08:02:03Z,2019-05-10T08:02:03Z,2019-05-10T08:25:47Z,2019-06-01T16:19:22Z,USD,1.75,1,1.75,0.00,1.75,,0090016400,7,200.68

Forward,PBXCA000000005755022,Debit,Quoting
Service,Forward,,,,CAN,RETAILER_0001,RETAILER_NAME,ORUSAP1201320392CA,
CBDSMON1557475473783,PBXCA000000005755022,CBDSMPN1557475473784,,11.
0000,LB,,,2019-05-10T08:02:02Z,2019-05-10T08:02:02Z,2019-05-10T08:25:47Z,2019-06-01T16:19:22Z,USD,1.75,1,1.75,0.00,1.75,,0090016400,9,200.68

Forward,PBXCA000000005755033,Debit,Oversized Parcel -
International,Forward,,,,CAN,RETAILER_0001,RETAILER_NAME,ORUSAP120132040
OCA,CBDSMON1557475474532,PBXCA000000005755033,CBDSMPN155747547453
2,,28.0000,LB,,,2019-05-10T08:02:03Z,2019-05-10T08:02:03Z,2019-05-10T08:25:47Z,2019-06-01T16:19:22Z,USD,8.00,1,8.00,0.00,8.00,,0090016400,9,200.68

Forward,PBXCA000000005755044,Debit,Dangerous
Goods,Forward,,,,CAN,RETAILER_0001,RETAILER_NAME,ORUSAP1201320418CA,
CBDSMON1557475475240,PBXCA000000005755044,CBDSMPN1557475475240,,28.
0000,LB,,,2019-05-10T08:02:03Z,2019-05-10T08:02:03Z,2019-05-10T08:25:47Z,2019-06-01T16:19:22Z,USD,5.00,1,5.00,0.00,5.00,,0090016400,9,200.68

2. Transactions for forward parcels -duty and tax charges

EVENT_TYPE,EVENT_ID,ITEM_TYPE,SERVICE_TYPE,PARCEL_TYPE,FINAL_DISPOSITION,
REASON_CODES,COMMODITY_VERIFICATION_CODES,COD,MERCHANT_ID,MERCHANT_
NAME,ORDER_ID,PARTNER_ORDER_ID,PARCEL_ID,PARTNER_PARCEL_ID,ORIGINAL_PA
RCEL_ID,BILLABLE_PARCEL_WEIGHT,BILLABLE_PARCEL_WEIGHT_UOM,COMMODITY_ID
,COMMODITY_SKU,ORDER_CREATE_DATETIME,ORDER_CONFIRM_DATETIME,EVENT_D
ATETIME,POSTED_DATETIME,CURRENCY,UNIT_PRICE,QUANTITY,SUBTOTAL,SALES_TA
XES,TOTAL,PURCHASE_ORDER_NO,INVOICE_NO,INVOICE_LINE_ITEM_NO,INVOICE_TOT
AL

Allocated-Vendor-Costs-

Paid,3611_100889,Debit,Duty,Forward,,,,CHE,RETAILER_0001,RETAILER_NAME,ORUSAP12
01320470CH,CBDSMON1557475477931,PBXCA000000005755102,CBDSMPN1557475477931
,,11.0000,LB,,SkuForFinUATTest001,2019-05-10T08:02:06Z,2019-05-10T08:02:06Z,2019-05-10T17:33:16Z,2019-06-01T16:06:44Z,USD,8.83,1,8.83,0.00,8.83,,0090016301,1,107.00

Allocated-Vendor-Costs-

Paid,3609_100885,Debit,Duty,Forward,,,,CHE,RETAILER_0001,RETAILER_NAME,ORUSAP12
01320454CH,CBDSMON1557475477074,PBXCA000000005755088,CBDSMPN1557475477074
,,44.0000,LB,,SkuForFinUATTest001,2019-05-10T08:02:05Z,2019-05-10T08:02:05Z,2019-05-10T17:33:16Z,2019-06-01T16:06:44Z,USD,8.83,1,8.83,0.00,8.83,,0090016301,1,107.00

Allocated-Vendor-Costs-

Paid,3608_100883,Debit,Duty,Forward,,,,CHE,RETAILER_0001,RETAILER_NAME,ORUSAP12
01320447CH,CBDSMON1557475476658,PBXCA000000005755077,CBDSMPN1557475476658
,,49.0000,LB,,SkuForFinUATTest001,2019-05-10T08:02:05Z,2019-05-10T08:02:05Z,2019-05-10T17:33:16Z,2019-06-01T16:06:44Z,USD,8.83,1,8.83,0.00,8.83,,0090016301,1,107.00

Allocated-Vendor-Costs-

Paid,3610_100887,Debit,Duty,Forward,,,,CHE,RETAILER_0001,RETAILER_NAME,ORUSAP1201320462CH,CBDSMON1557475477518,PBXCA000000005755099,CBDSMPN1557475477518,,64.0000,LB,,SkuForFinUATTest001,2019-05-10T08:02:05Z,2019-05-10T08:02:05Z,2019-05-10T17:33:16Z,2019-06-01T16:06:44Z,USD,8.83,1,8.83,0.00,8.83,,0090016301,1,107.00

Allocated-Vendor-Costs-

Paid,3609_100885,Debit,Tax,Forward,,,,CHE,RETAILER_0001,RETAILER_NAME,ORUSAP1201320454CH,CBDSMON1557475477074,PBXCA000000005755088,CBDSMPN1557475477074,,44.0000,LB,,SkuForFinUATTest001,2019-05-10T08:02:05Z,2019-05-10T08:02:05Z,2019-05-10T17:33:16Z,2019-06-01T16:06:44Z,USD,17.66,1,17.66,0.00,17.66,,0090016301,3,107.00

Allocated-Vendor-Costs-

Paid,3610_100887,Debit,Tax,Forward,,,,CHE,RETAILER_0001,RETAILER_NAME,ORUSAP1201320462CH,CBDSMON1557475477518,PBXCA000000005755099,CBDSMPN1557475477518,,64.0000,LB,,SkuForFinUATTest001,2019-05-10T08:02:05Z,2019-05-10T08:02:05Z,2019-05-10T17:33:16Z,2019-06-01T16:06:44Z,USD,17.66,1,17.66,0.00,17.66,,0090016301,3,107.00

Allocated-Vendor-Costs-

Paid,3608_100883,Debit,Tax,Forward,,,,CHE,RETAILER_0001,RETAILER_NAME,ORUSAP1201320447CH,CBDSMON1557475476658,PBXCA000000005755077,CBDSMPN1557475476658,,49.0000,LB,,SkuForFinUATTest001,2019-05-10T08:02:05Z,2019-05-10T08:02:05Z,2019-05-10T17:33:16Z,2019-06-01T16:06:44Z,USD,17.66,1,17.66,0.00,17.66,,0090016301,3,107.00

Allocated-Vendor-Costs-

Paid,3611_100889,Debit,Tax,Forward,,,,CHE,RETAILER_0001,RETAILER_NAME,ORUSAP1201320470CH,CBDSMON1557475477931,PBXCA000000005755102,CBDSMPN1557475477931,,11.0000,LB,,SkuForFinUATTest001,2019-05-10T08:02:06Z,2019-05-10T08:02:06Z,2019-05-10T17:33:16Z,2019-06-01T16:06:44Z,USD,17.66,1,17.66,0.00,17.66,,0090016301,3,107.00

Allocated-Vendor-Costs-Paid,3609_100885,Debit,Disbursement

Fee,Forward,,,,CHE,RETAILER_0001,RETAILER_NAME,ORUSAP1201320454CH,CBDSMON1557475477074,PBXCA000000005755088,CBDSMPN1557475477074,,44.0000,LB,,SkuForFinUATTest001,2019-05-10T08:02:05Z,2019-05-10T08:02:05Z,2019-05-10T17:33:16Z,2019-06-01T16:06:44Z,USD,0.26,1,0.26,0.00,0.26,,0090016301,6,107.00

Allocated-Vendor-Costs-Paid,3608_100883,Debit,Disbursement

Fee,Forward,,,,CHE,RETAILER_0001,RETAILER_NAME,ORUSAP1201320447CH,CBDSMON1557475476658,PBXCA000000005755077,CBDSMPN1557475476658,,49.0000,LB,,SkuForFinUATTest001,2019-05-10T08:02:05Z,2019-05-10T08:02:05Z,2019-05-10T17:33:16Z,2019-06-01T16:06:44Z,USD,0.26,1,0.26,0.00,0.26,,0090016301,6,107.00

Allocated-Vendor-Costs-Paid,3610_100887,Debit,Disbursement

Fee,Forward,,,,CHE,RETAILER_0001,RETAILER_NAME,ORUSAP1201320462CH,CBDSMON1557475477518,PBXCA000000005755099,CBDSMPN1557475477518,,64.0000,LB,,SkuForFinUATTest001,2019-05-10T08:02:05Z,2019-05-10T08:02:05Z,2019-05-10T17:33:16Z,2019-06-01T16:06:44Z,USD,0.26,1,0.26,0.00,0.26,,0090016301,6,107.00

Allocated-Vendor-Costs-Paid,3611_100889,Debit,Disbursement

Fee,Forward,,,,CHE,RETAILER_0001,RETAILER_NAME,ORUSAP1201320470CH,CBDSMON1557475477931,PBXCA000000005755102,CBDSMPN1557475477931,,11.0000,LB,,SkuForFinUATTest001,2019-05-10T08:02:06Z,2019-05-10T08:02:06Z,2019-05-10T17:33:16Z,2019-06-01T16:06:44Z,USD,0.26,1,0.26,0.00,0.26,,0090016301,6,107.00

- Transactions for exception parcels (parcels that were not shipped from the Pitney Bowes processing facility to their final destinations due to various reasons such as “parcel exceeds weight limits”).

** Note: ‘Quoting Service’ only applied if client is using Pitney Bowes cross border quote API*

```
EVENT_TYPE,EVENT_ID,ITEM_TYPE,SERVICE_TYPE,PARCEL_TYPE,FINAL_DISPOSITIO
N,REASON_CODES,COMMODITY_VERIFICATION_CODES,COD,MERCHANT_ID,MERCHA
NT_NAME,ORDER_ID,PARTNER_ORDER_ID,PARCEL_ID,PARTNER_PARCEL_ID,ORIGINA
L_PARCEL_ID,BILLABLE_PARCEL_WEIGHT,BILLABLE_PARCEL_WEIGHT_UOM,COMMOD
ITY_ID,COMMODITY_SKU,ORDER_CREATE_DATETIME,ORDER_CONFIRM_DATETIME,EV
ENT_DATETIME,POSTED_DATETIME,CURRENCY,UNIT_PRICE,QUANTITY,SUBTOTAL,SA
LES_TAXES,TOTAL,PURCHASE_ORDER_NO,INVOICE_NO,INVOICE_LINE_ITEM_NO,INVO
ICE_TOTAL
```

```
Exception,PBXCA000000005755055,Debit,Exception
Handling,Exception,Return,,,CAN,RETAILER_0001,RETAILER_NAME,ORUSAP1201320426C
A,CBDSMON1557475475734,PBXCA000000005755055,CBDSMPN1557475475734,,,,,2019-
05-10T08:02:04Z,2019-05-10T08:02:04Z,2019-05-10T08:25:47Z,2019-06-
01T16:19:22Z,USD,15.00,1,15.00,0.00,15.00,,0090016400,1,200.68
```

```
Exception,PBXCA000000005755066,Debit,Exception
Handling,Exception,Destroy,,,CAN,RETAILER_0001,RETAILER_NAME,ORUSAP1201320434C
A,CBDSMON1557475476166,PBXCA000000005755066,CBDSMPN1557475476166,,,,,2019-
05-10T08:02:04Z,2019-05-10T08:02:04Z,2019-05-10T09:04:04Z,2019-06-
01T16:19:22Z,USD,15.00,1,15.00,0.00,15.00,,0090016400,1,200.68
```

```
Exception,PBXCA000000005755066,Debit,Quoting
Service,Exception,Destroy,,,CAN,RETAILER_0001,RETAILER_NAME,ORUSAP1201320434CA
,CBDSMON1557475476166,PBXCA000000005755066,CBDSMPN1557475476166,,,,,2019-
05-10T08:02:04Z,2019-05-10T08:02:04Z,2019-05-10T09:04:04Z,2019-06-
01T16:19:22Z,USD,0.00,1,0.00,0.00,0.00,,0090016400,3,200.68
```

```
Exception,PBXCA000000005755055,Debit,Shipping - Exception
Return,Exception,Return,,,CAN,RETAILER_0001,RETAILER_NAME,ORUSAP1201320426CA,
CBDSMON1557475475734,PBXCA000000005755055,CBDSMPN1557475475734,,,,,2019-05-
10T08:02:04Z,2019-05-10T08:02:04Z,2019-05-10T08:25:47Z,2019-06-
01T16:19:22Z,USD,17.25,1,17.25,0.00,17.25,,0090016400,3,200.68
```

Appendix I: File Processing error codes

System (File Format) Errors

This class of errors represent issues encountered during file transport and handling (e.g. decompression, signature validation, etc.). Note that record number is set to 0 in this case.

Error Code	Description
INVALID_FILE_NAME	Name of the inbound file does not conform to the naming convention stated in the File Exchange Specification.
INVALID_FILE_FORMAT	The inbound file is not in XML format.

INVALID_DATA_FEED	File structure of the inbound data feed does not match the definition stated in the File Exchange Specification.
INVALID_ZIP_FILE	Error(s) encountered in unzipping an inbound ZIP archive.
INVALID_ERR_FILE	Invalid ERR file format – generated by customer for PB outbound files

File content errors

This class of errors represent issues encountered during processing of individual records.

Error Code	Description
DATA_VALIDATION_ERROR	Error if issues were found during json or csv validation.

Processing Errors for shipment record

In the “Details” column of the .err file, a json array of error (with below construct) will be included to reflect the error/set of errors for a given shipment record:

```
{
  "error": {
    "type": "number"
  },
  "message": {
    "type": "string"
  },
  "parameters": {
    "type": "array",
    "items": {
      "type": "string"
    }
  },
  "moreInfo": {
    "type": "string"
  },
  "additionalInfo": {
    "type": "string",
    "description": "Detailed message for the error",
    "maxLength": "1000"
  }
}
```

Field	Req'd	Type	Description
error	Yes	Numeric	The error code for the issue
message	No	String	A formatted error message in the language as specified in the HTTP header. If there is no available message this value will not be returned
parameters	No	Array of strings	An array of error parameters. This could be a zero length array.
moreInfo	No	URL	A url pointing to more information if it is available
additionalInfo	No	String	Detailed message for the error

Where "error" could be one of the following:

Table: Error codes for shipment manifest record processing error

Code	Error	Description
1009000	INTERNAL_ERROR	Internal Error.
1009001	EMPTY_FIELD	The field is null or empty string.
1009002	DUPLICATE_VALUE	Duplicate value.
1009003	SHIPPING_METHOD_NOT_SUPPORTED	Shipping method is not supported.
1009004	INVALID_VALUE	Invalid value.
1009005	STRING_TOO_LONG	String value exceeds the maximum supported length.
1009006	OVERWEIGHT	Exceeds the weight limit.
1009007	OVERSIZE	Exceeds the dimensional limits.
1009008	OVERVALUE	Exceeds the value limit.
1009009	RESTRICTED_ADDRESS	Restricted Zone or PO Box.
1006013	COMMODITY_CATEGORY_RESTRICTED	The category for the commodity is restricted
1006012	NO_CATEGORY_DATA	The category for the commodity is not rated
1006009	RESTRICTED_COMMODITY	The commodity is restricted

Sample .err file for shipment-details

```

DATE_TIME,RECORD_NUMBER,ERROR_CODE,DETAILS,CONTEXT_FIELD_NAME,CONTEXT_FIELD_TYPE
20170506-21:44:17,1, DATA_VALIDATION_ERROR,{"merchantId":
"Seller_0001","merchantOrderNumber": "DljzvRkt4","merchantParcelNumber":
"SDljzvRkt4_001_v","errors": [{"error": 1009002,"message": "Duplicate Merchant Parcel
Number"}]},,
20170506-21:44:17,2, DATA_VALIDATION_ERROR,{"merchantId":
"Seller_0001","merchantOrderNumber": "DljzvRkt4","merchantParcelNumber":
"SDljzvRkt4_001_v4","errors":[{"error": 1009001,"parameters": ["consignee"],"message": "The
shipmentRequest is invalid"}, {"error": 1009001,"parameters": ["familyName"],"message": "The
consignee is invalid"}]},,

```

Appendix 2: Pitney Bowes Tracking Event Codes

Leg	Pitney Bowes Event Codes	Event Description	Comments
First Mile	PSR	Manifest Received by Carrier	This event is generated when shipment data is received.
	REP	Processing at the Global Shipping Center	Parcel received at the Crossborder facility
	DYH	Delay at the Global Shipping Center - INVALID_DATA	We pass any additional details that the carrier provides along with this event in the event description. Example; INVALID_DATA, INVALID_ADDRESS, etc.
	DYH	Delay at the Global Shipping Center - WRONG_ITEMS	
	DYH	Delay at the Global Shipping Center - INTERNATIONAL_ORIGIN	
	DYH	Delay at the Global Shipping Center - SYSTEM_RESTRICTION	
	DYH	Delay at the Global Shipping Center - OVERSIZED	
	DYH	Delay at the Global Shipping Center - ORDER_NOT_CONFIRMED	
	DYH	Delay at the Global Shipping Center - EMPTY/MISSING_ITEM	
	DYH	Delay at the Global Shipping Center - INVALID_ADDRESS	
	DYH	Delay at the Global Shipping Center - POTENTIAL_RESTRICTION	
	DYH	Delay at the Global Shipping Center - NULL	
	DYH	Delay at the Global Shipping Center - CANCELLED_ORDER	
	DYH	Delay at the Global Shipping Center – DAMAGED	
	DYH	Delay at the Global Shipping Center - FURTHER_INVESTIGATION_NEEDED	
	DYH	Delay at the Global Shipping Center - INTERNATIONAL_RETURN	
	DYH	Delay at the Global Shipping Center - SUPER_SIZED	
	DYH	Delay at the Global Shipping Center - DANGEROUS_GOODS_REVIEW	
	DOC	Customs Documentation and Labeling	
	SPH	Shipped from US Shipping Center to International Destination	
Middle Mile and	TRA	In Transit Cargo Air	

Customs Clearance	LHO	In Transit Origin Country	
	EXL	Delay - Origin Country	
	CUC	Customs Cleared	
	EXC	Delay - Customs clearance	
	EXR	Delay - Customer ID needed	
	FDR	In Transit Destination Country	
Final Mile	TRD	In Transit with Destination Carrier	
	DYU	Delay - In Transit	
	OFD	Out for Delivery	
	AWN	Awaiting Pickup - Note Left	
	AWP	Awaiting Pickup	
	DAN	Delivery Attempt - Note Left/Scheduled	
	DAT	Delivery Attempt	
	DLC	Delivered by Consignee Pickup	
	DLD	Delivered	
Exceptions at PB HUB	DRS	Domestic Return Shipped	
	XOR	Exception - Return to Sender	
	XOX	Exception - Destroy	
Delivery Exceptions	UDL	Undeliverable - LOST	
	UDL	Undeliverable - RESTRICTED	

Appendix 3: Getting Pitney Bowes Parcel Identifier in advance

Pitney Bowes assigns a unique parcel identifier called UPID (Universal Parcel Identifier) to every parcel. The UPID can be considered as Pitney Bowes tracking number.

When shipment-details file is submitted, a response feed is generated which contains UPID for every successfully received shipment record. This UPID must be persisted at retailer's end as the UPID is used to correlate any parcel events received via tracking feed or to look up for tracking individual parcels through Pitney Bowes tracking API or tracking web page. UPID is also one of the identifiers returned in the transaction details feed.

If the retailer does not wish to process shipment-response feed and expect a block of UPIDs to be pre-fetched in advance, following options are available:

- API that returns a unique set of UPIDS (maximum block of 10 k)
- A unique prefix to be assigned to retailer.
Retailer must assign a unique UPID to every parcel and pass the specific value in 'parcelIdentifier' field. If the UPID is repeated even if parcel contents have been modified, Pitney Bowes will return a duplicate error.

Please contact Pitney Bowes professional services team for more details on pre-fetching UPIDs.

Appendix 4: Core Resource Objects for Shipment-details feed

Note: Please refer to [File content errors](#) for details on error notification

Address

Name	Data Type	Req.	Description	Errors
street1	String(100)	Yes	Street 1 of the address	EMPTY_FIELD STRING_TOO_LONG
street2	String(100)	No	Street 2 of the address	STRING_TOO_LONG
street3	String(100)	No	Street 3 of the address	STRING_TOO_LONG
city	String(50)	Yes	City	EMPTY_FIELD STRING_TOO_LONG
countyOrRegion	String(50)	*	County or region	STRING_TOO_LONG
provinceOrState	String(50)	*	State or the province	STRING_TOO_LONG
country	Country object	Yes	The country code of the address	EMPTY_FIELD INVALID_VALUE
postalOrZipCode	String(50)	Yes	Zip code of the address	STRING_TOO_LONG
verified	Boolean	No	Default: false. If true the address has been verified by other AV solution.	

NOTE: * These fields may be required depending on the context of the containing object

Country

This object is the enumerated ISO 2 or 3 country codes.

Any of the following acceptable values

"AD","AE","AF","AG","AI","AL","AM","AO","AQ",
 "AR","AS","AT","AU","AW","AX","AZ","BA","BB","BD","BE","BF","BG",
 "BH","BI","BJ","BL","BM","BN","BO","BQ","BR","BS","BT","BV","BW",
 "BY","BZ","CA","CC","CD","CF","CG","CH","CI","CK","CL","CM","CN",
 "CO","CR","CU","CV","CW","CX","CY","CZ","DE","DJ","DK","DM","DO",
 "DZ","EC","EE","EG","EH","ER","ES","ET","FI","FJ","FK","FM","FO",
 "FR","GA","GB","GD","GE","GF","GG","GH","GI","GL","GM","GN","GP",
 "GQ","GR","GS","GT","GU","GW","GY","HK","HM","HN","HR","HT","HU",
 "ID","IE","IL","IM","IN","IO","IQ","IR","IS","IT","JE","JM","JO",
 "JP","KE","KG","KH","KI","KM","KN","KP","KR","KW","KY","KZ","LA",
 "LB","LC","LI","LK","LR","LS","LT","LU","LV","LY","MA","MC","MD",
 "ME","MF","MG","MH","MK","ML","MM","MN","MO","MP","MQ","MR","MS",
 "MT","MU","MV","MW","MX","MY","MZ","NA","NC","NE","NF","NG","NI",
 "NL","NO","NP","NR","NU","NZ","OM","PA","PE","PF","PG","PH","PK",
 "PL","PM","PN","PR","PS","PT","PW","PY","QA","RE","RO","RS","RU",
 "RW","SA","SB","SC","SD","SE","SG","SH","SI","SJ","SK","SL","SM",
 "SN","SO","SR","SS","ST","SV","SX","SY","SZ","TC","TD","TF","TG",
 "TH","TJ","TK","TL","TM","TN","TO","TR","TT","TV","TW","TZ","UA",
 "UG","UM","US","UY","UZ","VA","VC","VE","VG","VI","VN","VU","WF",
 "WS","YE","YT","ZA","ZM","ZW",
 "ABW","AFG","AGO","AIA","ALA","ALB","AND","ARE","ARG","ARM",
 "ASM","ATA","ATF","ATG","AUS","AUT","AZE","BDI","BEL","BEN",
 "BES","BFA","BGD","BGR","BHR","BHS","BIH","BLM","BLR","BLZ",
 "BMU","BOL","BRA","BRB","BRN","BTN","BVT","BWA","CAF","CAN",
 "CCK","CHE","CHL","CHN","CIV","CMR","COD","COG","COK","COL",
 "COM","CPV","CRI","CUB","CUW","CXR","CYM","CYP","CZE","DEU",
 "DJI","DMA","DNK","DOM","DZA","ECU","EGY","ERI","ESH","ESP",

"EST","ETH","FIN","FJI","FLK","FRA","FRO","FSM","GAB","GBR",
 "GEO","GGY","GHA","GIB","GIN","GLP","GMB","GNB","GNQ","GRC",
 "GRD","GRL","GTM","GUF","GUM","GUY","HKG","HMD","HND","HRV",
 "HTI","HUN","IDN","IMN","IND","IOT","IRL","IRN","IRQ","ISL",
 "ISR","ITA","JAM","JEY","JOR","JPN","KAZ","KEN","KGZ","KHM",
 "KIR","KNA","KOR","KWT","LAO","LBN","LBR","LBY","LCA","LIE",
 "LKA","LSO","LTU","LUX","LVA","MAC","MAF","MAR","MCO","MDA",
 "MDG","MDV","MEX","MHL","MKD","MLI","MLT","MMR","MNE","MNG",
 "MNP","MOZ","MRT","MSR","MTQ","MUS","MWI","MYS","MYT","NAM",
 "NCL","NER","NFK","NGA","NIC","NIU","NLD","NOR","NPL","NRU",
 "NZL","OMN","PAK","PAN","PCN","PER","PHL","PLW","PNG","POL",
 "PRI","PRK","PRT","PRY","PSE","PYF","QAT","REU","ROU","RUS",
 "RWA","SAU","SDN","SEN","SGP","SGS","SHN","SJM","SLB","SLE",
 "SLV","SMR","SOM","SPM","SRB","SSD","STP","SUR","SVK","SVN",
 "SWE","SWZ","SXM","SYC","SYR","TCA","TCD","TGO","THA","TJK",
 "TKL","TKM","TLS","TON","TTO","TUN","TUR","TUV","TWN","TZA",
 "UGA","UKR","UMI","URY","USA","UZB","VAT","VCT","VEN","VGB",
 "VIR","VNM","VUT","WLF","WSM","YEM","ZAF","ZMB","ZWE"

Currency

The ISO currency codes

Any of the following acceptable values:

"AED","AFN","ALL","AMD","ANG","AOA","ARS","AUD",
 "AWG","AZN","BAM","BBD","BDT","BGN","BHD","BIF","BMD","BND",
 "BOB","BOV","BRL","BSD","BTN","BWP","BYR","BZD","CAD","CDF",
 "CHE","CHF","CHW","CLF","CLP","CNY","COP","COU","CRC","CUC",
 "CUP","CVE","CZK","DJF","DKK","DOP","DZD","EGP","ERN","ETB",
 "EUR","FJD","FKP","GBP","GEL","GHS","GIP","GMD","GNF","GTQ",
 "GYD","HKD","HNL","HRK","HTG","HUF","IDR","ILS","INR","IQD",
 "IRR","ISK","JMD","JOD","JPY","KES","KGS","KHR","KMF","KPW",
 "KRW","KWD","KYD","KZT","LAK","LBP","LKR","LRD","LSL","LTL",
 "LYD","MAD","MDL","MGA","MKD","MMK","MNT","MOP","MRO","MUR",
 "MVR","MWK","MXN","MXV","MYR","MZN","NAD","NGN","NIO","NOK",
 "NPR","NZD","OMR","PAB","PEN","PGK","PHP","PKR","PLN","PYG",
 "QAR","RON","RSD","RUB","RWF","SAR","SBD","SCR","SDG","SEK",
 "SGD","SHP","SLL","SOS","SRD","SSP","STD","SVC","SYP","SZL",
 "THB","TJS","TMT","TND","TOP","TRY","TTD","TWD","TZS","UAH",
 "UGX","USD","USN","USS","UYI","UYU","UZS","VEF","VND","VUV",
 "WST","XAF","XAG","XAU","XBA","XBB","XBC","XBD","XCD","XDR",
 "XOF","XPD","XPF","XPT","XSU","XTS","XUA","XXX","YER","ZAR","ZMW","ZWL"

}

HazmatIdentifier

This is the flag for any hazmat indication. These values are case insensitive.

Acceptable Field Values:	Description
Hazmat	Item contains hazardous materials that is fully regulated by the D.O.T.
Ormd	Other Regulated Materials Domestic Transport only under D.O.T. regulations (limited quantity hazmat).
chemicalindicator	Any product that contains a powder, gel, paste, or liquid that is not intended for human consumption.
pesticideindicator	Any chemical that is advertised or labeled to kill, repel or prevent growth of any living organism.
Aerosolindicator	Any product that contains a compressed gas or propellant.

Rppcindicator	Rigid plastic packaging container.
batterytype-x	Multiple batterytype indicators are possible and “x” can be any of the following; alkaline, carbon zinc, lead acid, lithium primary, lithium ion, magnesium mercury, nickel cadmium, silver, thermal, multiple types nickel metal hydride, other.
nonspillablebattery	Item contains a D.O.T. regulated battery that must be indicated on the shipping box with non-spillable battery text
Fuelrestriction	Product is an empty container that may be filled with fluids such as fuel, CO2, Propane, etc.

HSCode

This object is an HS Code for a specific country.

Field	Req'd	Type	Description	Error
hsCode	Yes	String(14)	The fully qualifies HS Code for the specified country.	EMPTY_FIELD STRING_TOO_LONG
country	Yes	Country	The country the HS Code applies to.	EMPTY_FIELD INVALID_VALUE

MerchantCategory

This object represents a category within a Retailer's catalogue. Commodities can be assigned to categories. This object must be populated only if Category feed is shared in advance or the retailer refers to Pitney Bowes generic category tree or eBay or google taxonomy.

Field	Req'd	Type	Description	Error
merchantCatRefId	Yes	String(50)	The merchant's reference ID for the category. This should be the category code provided in the Category feed . For eBay, category site Id should be appended at the beginning of each category code: siteld+"-"+categoryCode. For google taxonomy, pass the google category id. If retailer refers to Pitney Bowes category tree, indicate the category code in this field. If there is NO category tree to refer to, do not include category object.	STRING_TOO_LONG EMPTY_FIELD
merchantParCatRefId	No	String(50)	The category's parent's merchantCatRefId. This should be a category that was supplied earlier.	STRING_TOO_LONG
descriptions	No	Array of MerchantCategoryDescription	Descriptions for each language	
url	No	String(2048)	The URL to the category. This is required in the Category Feed.	STRING_TOO_LONG
categoryCodePath	No	String(255)	A hierarchical path to the category represented by the category ID of each	STRING_TOO_LONG

Field	Req'd	Type	Description	Error
			level concatenated with a colon delimiter. E.g. "9785:8266:9798:9799:10203"	
categoryNamePath	No	String(255)	A hierarchical path to the category represented by the category name of each level concatenated with a " " delimiter. E.g. CONSUMABLES AND GROCERY BABY BABY CARE BABY CONSUMABLES BABY FOOD	STRING_TOO_LONG
categorySiteId	No	String(10)	Category Site Id	STRING_TOO_LONG

MerchantCategoryDescription

A descriptive elements of a MerchantCategory in a specific locale in the Java standard naming convention.

Field	Req'd	Type	Description	Error
locale	Yes	String(10)	The locale in java format.	EMPTY_FIELD STRING_TOO_LONG
name	Yes	String(255)	The name of the category. This is required in the Category Feed.	EMPTY_FIELD STRING_TOO_LONG
parentsNames	No	Array of String (255)	The tree of parent names to reach this category. parentNames[0] must be the top level name. and parentNames[size-1] must be the name of the parent category containing this category.	STRING_TOO_LONG

MerchantCommodity

Field	Req'd	Type	Description	Error
merchantComRefId	Yes	String (50)	The merchant's unique identifier for the commodity	EMPTY_FIELD STRING_TOO_LONG
parentIdentifier	No	String(50)	The parent SKU for a product which has variations	STRING_TOO_LONG
childIdentifier	No	String (50)	The variation of the parent sku (different size or color)	STRING_TOO_LONG
kit	No	Boolean	Default: false. If true then this commodity is actually a kit. Other commodities that make up the kit will use this commodity's merchantComRefId at the kitIdentifier	
kitIdentifier	No	String (50)	If this is present then this commodity is part of kit then kit	STRING_TOO_LONG

			that this is points too. This is the merchantComRefld of the kit.	
kitQuantity	No	Integer	The number of this commodity that is in the kit.	
descriptions	Yes	Array of MerchantCommodityDescription	The name/title, short and long descriptions based on locale. Name of the commodity is mandatory.	EMPTY_FIELD
manufacturer	No	String(255)	The Manufacturer of the commodity	STRING_TOO_LONG
brand	No	String (255)	The brand name of the commodity	STRING_TOO_LONG
commodity Url	*No	String (2048)	The URL to view the commodity on the merchant's web site. It is recommended to pass the commodity url.	STRING_TOO_LONG
coo	*No	Country	The Country Of Origin of the commodity It is recommended to pass the country of origin for the commodity.	INVALID_VALUE
eccn	No	String (10)	The ECCN code for the commodity	STRING_TOO_LONG
enabled	No	Boolean	If true the commodity is enabled for sale. If false it is not.	
pricing	No	Pricing	The pricing information for the commodity. If the information is not in the basket then this information will be used.	
hsCodes	No	Array of HSCode	The hsCodes for the commodity	
imageUrls	No	Array of String(2048)	A list of the image URLs to view images of the commodity	STRING_TOO_LONG
identifiers	No	Array of MerchantCommodityIdentifier	Other identifiers of the commodity like UPC, EAN, ISBN, etc...	
commodity Size	No	Size	The size of the commodity's packaging	
shippingSize	No	Size	The shipping size of the commodity	
shipsAlone	No	Boolean	Default: FALSE True if the commodity always ships alone.	
attributes	No	Array of MerchantCommodityAttribute	A set of type:name:value attributes of the commodity	
hazmats	No	Array of HazmatIdentifier	A list of hazardous material identifiers	

categories	*No	Array of MerchantCategory	The list of categories the commodity is in on the merchant's web site. The field is required if the category tree is submitted in advance. Please refer to Category feed details.	
------------	-----	---	---	--

MerchantCommodityAttribute

An attribute such as material, color for the commodity.

Field	Req'd	Type	Description	Error
type	Yes	String	The type of attribute. One of ["material", "colour", "standard", "electrical", "other", "composition"]. These values are case insensitive.	EMPTY_FIELD STRING_TOO_LONG
name	Yes	String (255)	The name of the attribute.	EMPTY_FIELD STRING_TOO_LONG
value	Yes	String (255)	The value of the attribute.	STRING_TOO_LONG

MerchantCommodityCondition

This is the condition of the parcel commodity. These values are case insensitive.

Acceptable Field Values:	Description
New	New, never used, in original packaging, all tags attached.
Used	Any attribute associated with a used commodity – parts not working, like new, good condition, acceptable condition, retread, pre-owned, etc.. If item does not meet the requirements of new, default to used.
Refurbished	Item restored to good working condition.
Damaged	Item that is not new, but has not been previously sold but is damaged.
Numeric item condition as defined by eBay	*Only if selling on eBay marketplace

MerchantCommodityDescription

A descriptive elements of commodity in a specific locale in the Java standard naming convention.

Field	Req'd	Type	Description	Error
locale	Yes	String(10)	The locale in java format. See http://docs.oracle.com/javase/7/docs/api/java/util/Locale.html for a definition of the format.	EMPTY_FIELD STRING_TOO_LONG
name	Yes	String(255)	The name of the commodity	EMPTY_FIELD STRING_TOO_LONG
shortDescription	No	String(2048)	A short description of the commodity	STRING_TOO_LONG

longDescription	No	String (65535)	A long description of the object/	STRING_TOO_LONG
-----------------	----	----------------	-----------------------------------	-----------------

MerchantCommodityIdentifier

An identifier of a MerchantCommodity

Field	Req'd	Type	Description	Error
number	Yes	String(50)	The number of the identifier	STRING_TOO_LONG
source	Yes	String (10)	Source of the identifier. One of ["mpn", "isbn", "ean", "upc", "merchant", "partner", "other"]. These values are case insensitive.	INVALID_VALUE

Money

Field	Req'd	Type	Description	Error
value	Yes	Number	The amount of the money in the specified currency rounded to the precision for the specified currency.	EMPTY_FIELD INVALID_VALUE
currency	No	Currency	The currency of the money. If no currency is specified then use the containing objects currency value.	INVALID_VALUE

ParcelCommodityLineData

Field	Type	Reqd	Description	Error
condition	MerchantCommodityCondition	No	Commodity condition	INVALID_VALUE
lineId	Integer	No		INVALID_VALUE
parcelCommodity	MerchantCommodityObject	Yes	Details of Parcel Content	EMPTY_FIELD
quantity	Integer	>0	Quantity of the same commodity, same unit price	EMPTY_FIELD INVALID_VALUE
unitPrice	Money	>0	Per piece price	EMPTY_FIELD

linePrice	Money	No	Parcel line price (quantity * unitPrice)	
-----------	-------	----	--	--

Person

Field	Req'd	Type	Description	Error
merchantPersonReferenceId	No	String(50)	The merchant's reference Id to the person	STRING_TOO_LONG
salutation	No	String(50)	Things like "Mr", "Mrs", "Ms", "Miss", "None", "Sir", "Other". These values are case insensitive.	
familyName	Yes	String(100)	Last name	EMPTY_FIELD STRING_TOO_LONG
givenName	Yes	String(100)	First name	EMPTY_FIELD STRING_TOO_LONG
middleName	No	String(100)	Middle name	STRING_TOO_LONG
identityInfo	No	PersonIdentificationData	If tax id or passport details need to be passed	
email	No	String(256)	Email address	STRING_TOO_LONG
companyName	No	String(100)	Company name	STRING_TOO_LONG
phoneNumbers	No	Array of PhoneNumber	Phone number	

PersonId

Field	Req'd	Type	Description	Error
idType	Yes	String (50)	The type of the ID (CPF, CNPJ, NIT, etc...). This is a country specific field	EMPTY_FIELD STRING_TOO_LONG
id	Yes	String (50)	The Id number of the Person	EMPTY_FIELD STRING_TOO_LONG
name	No	String (255)	The name as it appears on the id.	STRING_TOO_LONG

PersonIdentificationData

Field	Req'd	Type	Description	Error
type	Yes	String	The type of the object in the identification data. One of	EMPTY_FIELD INVALID_VALUE

			"passport" or "person". These values are case insensitive.	
identificationData	Yes	PersonId or PassportInformation	The Id number of the Person	EMPTY_FIELD

PhoneNumber

Field	Req'd	Type	Description	Error
number	Yes	String (50)	The phone number	EMPTY_FIELD STRING_TOO_LONG
type	Yes	String	The phone number's type. One of ["home", "mobile", "work", "fax", "other"]. These values are case insensitive.	INVALID_VALUE

PassportInformation

Information to identify the passport

Field	Req'd	Type	Description	Error
passportNumber	Yes	String (20)	The Passport Number	EMPTY_FIELD STRING_TOO_LONG
issueCountry	Yes	Country	The issuing country	EMPTY_FIELD INVALID_VALUE
expireDate	No	String (30)	The passport expire date. May be required based on COD. Format: YYYY-MM-DD	INVALID_VALUE
issueDate	No	String (30)	The passport Issue Date. May be required based on COD. Format: YYYY-MM-DD	INVALID_VALUE
firstName	No	String(100)	The first name as it appears on the passport. May be required based on COD and may be required to be in a particular script.	STRING_TOO_LONG
lastName	No	String (100)	May be required based on COD and may be required to be in a particular script.	STRING_TOO_LONG
middleName	No	String (100)	May be required based on COD and may be required to be in a particular script.	STRING_TOO_LONG

Pricing

► **NOTE:** This is not currently supported

Field	Req'd	Type	Description	Error
price	Yes	Money	The price of the commodity. This is the price that will be used if the codPrice is not defined for the COD.	EMPTY_FIELD
codPrice	No	Array of PriceForCod	The Domestic Harmonized Pricing (DHP) for the commodity for the countries where DHP is required. ▶ NOTE: This is not currently supported.	
dutiableValue	No	Money	If the price is not indicative of the dutiable value of the commodity, then this will be used to indicate the true dutiable value of the commodity. ▶ NOTE: This is not currently supported.	

PriceForCod

The Domestic Harmonized Pricing for a commodity for one country.

▶ NOTE: This is not currently supported

Field	Req'd	Type	Description	Error
price	Yes	Money	The price of the commodity for this country of destination (COD).	EMPTY_FIELD
cod	Yes	Country	The country where this price applies.	
includesDuty	No	Boolean	If true then the price includes the duty. Default: false.	
includesTaxes	No	Boolean	If true then the price includes the taxes. Default: false.	

ReturnDetails

Field	Type	Reqd	Description	Error
returnAddress	Address Object	Yes	Provided Address will be used to return the parcel (will be used if parcel has to be returned from the Pitney Bowes hub). If not provided, client address provided at the time of onboarding will be used.	EMPTY_FIELD
contactInformation	Person	Yes	Contact details such as name and address for the return address	EMPTY_FIELD

Seller

Note: To be provided only by marketplace or shipping UI clients

Field	Type	Reqd	Description	Error
sellerId	String	Yes	Unique id for the seller	EMPTY_FIELD STRING_TOO_LONG
contactDetails	Person	Yes	Seller contact details such as name, phone number	EMPTY_FIELD
address	Address	Yes	Seller address details	EMPTY_FIELD
sellerType	String (20)	No	Type such as BUSINESS	STRING_TOO_LONG

ShippingDetails

Name	Data Type	Req'd	Description	Error
shipperTrackingNumber	String(50)	Yes	Scannable barcode on the label	EMPTY_FIELD STRING_TOO_LONG
shipper	String (50)	No	E.g. FedEx, USPS, Newgistics	STRING_TOO_LONG
shipperService	String (50)	No		STRING_TOO_LONG
dcId	String (50)	Yes	The ID of the Distribution/ Fulfilment center from where the parcel is being shipped by the retailer to Pitney Bowes hub	EMPTY_FIELD STRING_TOO_LONG
dcAddress	Address Object	No	Distribution/ Fulfilment centre address of the retailer	
returnDetails	ReturnDetails Object	No	Return details for the parcel. If not provided, a fixed address	

			at the time of onboarding will be used for all parcels	

Size

Field	Type	Reqd	Description	Error
width	Number	No		INVALID_VALUE
length	Number	No		INVALID_VALUE
height	Number	No		INVALID_VALUE
distanceUnit	String	No	Refer to Appendix 7 - Distance Units	INVALID_VALUE
weight	Number	No*		INVALID_VALUE *Either weight or all three dimensions are mandatory
weightUnit	String	No	Refer to Appendix 8 - Weight Units	INVALID_VALUE

Transportation

Name	Data Type	Req.	Description	Errors
speed	String (20)	Yes	Refer to Table 1: Shipment Data Configuration	EMPTY_FIELD
currency	Currency	No	Appendix 10 – Supported Currencies	INVALID_VALUE
merchantShippingIdentifier	String (20)	No		STRING_TOO_LONG
shipping	Money	No	Domestic shipping cost	
handling	Money	No	Domestic handling cost	
total	Money	No	Total of domestic shipping and handling	
minDays	Integer	No	Minimum number of	INVALID_VALUE

			days to deliver parcel to Pitney Bowes hub	
maxDays	Integer	No	Maximum number of days to deliver parcel to Pitney Bowes hub	INVALID_VALUE
earliestEDD	String	No	Earliest estimated delivery date Date must be in ISO8601 format YYYY-MM-DDThh:mm:ss TZD	INVALID_VALUE
latestEDD	String	No	Latest estimated delivery date Date must be in ISO 8601 format YYYY-MM-DDThh:mm:ss TZD	INVALID_VALUE

Appendix 5 – Canadian Regions and Provinces

Province/Region Code	Name
AB	Alberta
BC	British Columbia
MB	Manitoba
NB	New Brunswick
NL	Newfoundland and Labrador
NT	Northwest Territories
NS	Nova Scotia
NU	Nunavut
ON	Ontario
PE	Prince Edward Island
QC	Quebec
SK	Saskatchewan
YT	Yukon

Appendix 6 – Phone Types

These values are case insensitive.

Type	Description
Home	
Mobile	
Work	
Fax	
Other	

Appendix 7 - Distance Units

These values are case insensitive.

Code	Description
In	Inches (Default)
Ft	feet
Yd	yards
Cm	centimeters
M	meters

Appendix 8 - Weight Units

These values are case insensitive.

Code	Description
Lb	pounds (Default)
Oz	Ounces
G	Grams
Kg	Kilograms

Appendix 9 – Hazmat Codes

Code	Description
hazmat	Indicates if the item contains hazardous materials FULLY REGULATED by D.O.T. (and hence IATA)
Ormd	Indicates if the item contains ORM-D. ORMD (Other Regulated Materials-Domestic transport only) is the hazard class assigned to consumer commodities under U.S. DOT regulations. Packages bearing this mark contain hazardous material in a limited quantity that presents a limited hazard during transportation due to its form, quantity, and packaging. It is impossible to have an ORM-D that does not fit the criteria for a Limited Quantity.
Chemicalindicator	Indicates if the item contains a powder, gel, paste, or liquid that is not intended for human consumption except for the following products that are intended for human inhalation, consumption, or absorption. These products must also be submitted: <ul style="list-style-type: none"> Lozenges, pills or capsules (such as pain reliever, vitamins, water pills) Medicated swabs, wipes and bandages Patches (heated or medicated) Energy bars, diet supplements and vitamin drinks Liquids (cough medicine, eye drops, ear drops, nasal spray and inhalers)

	<ul style="list-style-type: none"> Medicated shampoos, gums, ointments and creams Lip balm, lip creams and petroleum jelly contraceptive foam, films, and spermicides Equipment sold with chemicals (e.g. vaporizer sold with medication, gel shoe inserts)
Pesticideindicator	Indicates if the item contains any chemical, including a chemical that is advertised or labeled to kill, repel or prevent the growth of any living organism
Aerosolindicator	Indicates if the item contains any product that contains a compressed gas or propellant.
Rppcindicator	Indicates if the item is a Rigid Plastic Packaging Container, which is made entirely of plastic (except lids, caps, labels) with a capacity between 8 fluid ounces and 5 gallons; whether it maintains its shape while holding product; and whether it is capable of multiple re-closures.
batterytype-x	<p>If any component of the item, including reusable packaging, contains a battery, select the appropriate battery type from the following list. Acceptable values are:</p> <ul style="list-style-type: none"> Does Not Contain a Battery Alkaline Carbon Zinc Lead Acid Lead Acid (Non-Spill able) Lithium Primary Lithium Ion Magnesium Mercury Nickel Cadmium Silver Thermal Multiple Types Nickel Metal Hydride Other
nonspillablebattery	Indicates if the item contains a D.O.T.-regulated battery that must be identified on the shipping boxes with "non-spillable battery" text. This includes products like Ride On Toys for kids
Fuelrestriction	Indicates if the item includes an empty container that may be filled with fluids such as fuel, CO2, propane, etc.

Appendix 10 – Supported Currencies

AED, AFN, ALL, AMD, ANG, AOA, ARS, AUD, AWG, AZN, BAM, BBD, BDT, BGN, BHD, BIF, BMD, BND, BOB, BOV, BRL, BSD, BTN, BWP, BYR, BZD, CAD, CDF, CHE, CHF, CHW, CLF, CLP, CNY, COP, COU, CRC, CUC, CUP, CVE, CZK, DJF, DKK, DOP, DZD, EGP, ERN, ETB, EUR, FJD, FKP, GBP, GEL, GHS, GIP, GMD, GNF, GTQ, GYD, HKD, HNL, HRK, HTG, HUF, IDR, ILS, INR, IQD, IRR, ISK, JMD, JOD, JPY, KES, KGS, KHR, KMF, KPW, KRW, KWD, KYD, KZT, LAK, LBP, LKR, LRD, LSL, LTL, LYD, MAD, MDL, MGA, MKD, MMK, MNT, MOP, MRO,

MUR, MVR, MWK, MXN, MXV, MYR, MZN, NAD, NGN, NIO, NOK, NPR, NZD, OMR, PAB, PEN, PGK, PHP, PKR, PLN, PYG, QAR, RON, RSD, RUB, RWF, SAR, SBD, SCR, SDG, SEK, SGD, SHP, SLL, SOS, SRD, SSP, STD, SVC, SYP, SZL, THB, TJS, TMT, TND, TOP, TRY, TTD, TWD, TZS, UAH, UGX, USD, USN, USS, UYI, UYU, UZS, VEF, VND, VUV, WST, XAF, XAG, XAU, XBA, XBB, XBC, XBD, XCD, XDR, XOF, XPD, XPF, XPT, XSU, XTS, XUA, XXX, YER, ZAR, ZMW, ZWL