

Label Creation API

Overview

This API allows developers to integrate their systems with Pilot Freight Services' to create House Air Waybill documents and labels, allowing customers to generate labels and other associated documentation for Pilot shipments. The file extension for the data returned by the API calls is .pdf.

Endpoints

SOAP endpoint:

<http://pilotws.pilotdelivers.com/copilotforms/wsforms.asmx>

Development/Test Endpoints SOAP endpoint:

http://pilotws.pilotdelivers.com/copilotforms_dev/wsforms.asmx

Getting Started

The functions HAWBDocument and HAWBLabel can be used. The results are returned as a dataset with the following schema:

```
<?xml version="1.0" standalone="yes"?>
<xs:schema id="dsReturnStream"
  targetNamespace="http://tempuri.org/dsReturnStream.xsd"
  xmlns:mstns="http://tempuri.org/dsReturnStream.xsd"
  xmlns="http://tempuri.org/dsReturnStream.xsd"
  xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:msdata="urn:schemas-microsoft-com:xml-msdata" attributeFormDefault="qualified" elementFormDefault="qualified">
  <xs:element name="dsReturnStream" msdata:IsDataSet="true"
    msdata:UseCurrentLocale="true">
    <xs:complexType>
      <xs:choice minOccurs="0" maxOccurs="unbounded">
        <xs:element name="ReturnData">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="ErrorMessage" type="xs:string" minOccurs="0" />
              <xs:element name="DataStream_Byte" type="xs:base64Binary"
minOccurs="0" />
              <xs:element name="DataLength" type="xs:int" default="0" minOccurs="0"
/>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:choice>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

If the error message is blank or null, the data in DataStream_Byte is the contents of the file. The DataLength is the number of bytes in the returned DataStream.

HAWBDocument

SOAP 1.1 Request Example:

```
POST /copilotforms/wsforms.asmx HTTP/1.1
Host: pilotws.pilotdelivers.com
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://tempuri.org/HAWBDocument"

<?xml version="1.0" encoding="utf-8"?>
```

```
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <HAWBDocument xmlns="http://tempuri.org/">
      <shawb>string</shawb>
      <szip>string</szip>
    </HAWBDocument>
  </soap:Body>
</soap:Envelope></soap:Envelope>
```

SOAP 1.1 Return Example:

```
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <HAWBDocumentResponse xmlns="http://tempuri.org/">
      <HAWBDocumentResult>dataset</HAWBDocumentResult>
    </HAWBDocumentResponse>
  </soap:Body>
</soap:Envelope>
```

HAWBLabel

SOAP 1.1 Request Example:

```
POST /copilotforms/wsforms.asmx HTTP/1.1
Host: pilotws.pilotdelivers.com
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://tempuri.org/HAWBLabel"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <HAWBLabel xmlns="http://tempuri.org/">
      <shawb>string</shawb>
      <eLabelType>Label2x4 or Label4x6 or Label4x6Doctab or Label8x11 or
Label8x11Miramar or Label8x11TTC</eLabelType>
      <szip>string</szip>
    </HAWBLabel>
  </soap:Body>
</soap:Envelope>
```

SOAP 1.1 Return Example:

```
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <HAWBLabelResponse xmlns="http://tempuri.org/">
      <HAWBLabelResult>dataset</HAWBLabelResult>
    </HAWBLabelResponse>
  </soap:Body>
</soap:Envelope>
```

Samples of Requests and Responses

<http://pilotws.pilotdelivers.com/copilotforms/wsforms.asmx>

HAWBDocument Parameters:

- shawb: 080789279
- szip: 97812

Results:

```
<dsReturnStream xmlns="http://tempuri.org/">
  <xs:schema xmlns:mstns="http://tempuri.org/dsReturnStream.xsd"
    xmlns="http://tempuri.org/dsReturnStream.xsd"
    xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:msdata="urn:schemas-microsoft-com:xml-msdata" id="dsReturnStream"
    targetNamespace="http://tempuri.org/dsReturnStream.xsd"
    attributeFormDefault="qualified" elementFormDefault="qualified">
    <xs:element name="dsReturnStream" msdata:IsDataSet="true"
      msdata:Locale="en-US">
      <xs:complexType>
        <xs:choice minOccurs="0" maxOccurs="unbounded">
          <xs:element name="ReturnData">
            <xs:complexType>
              <xs:sequence>
                <xs:element name="ErrorMessage"
                  type="xs:string" minOccurs="0"/>
                <xs:element
                  name="DataStream_Byte" type="xs:base64Binary" minOccurs="0"/>
                <xs:element name="DataLength"
                  type="xs:int" default="0" minOccurs="0"/>
              </xs:sequence>
            </xs:complexType>
          </xs:element>
        </xs:choice>
      </xs:complexType>
    </xs:element>
  </xs:schema>
  <diffgr:diffgram xmlns:msdata="urn:schemas-microsoft-com:xml-msdata"
    xmlns:diffgr="urn:schemas-microsoft-com:xml-diffgram-v1">
    <dsReturnStream xmlns="http://tempuri.org/dsReturnStream.xsd">
      <ReturnData diffgr:id="ReturnData1" msdata:rowOrder="0">
        <ErrorMessage/>
        <DataStream_Byte>JVBERi0xLjcgCiXi48/TIAoxIDAgb2JqIAo8PCAKL1R5cGUgL0NhdGFsb2cg
        Ci9QYWdlcyAyIDAgUiAKL1BhZ2VNb2RlIC9Vc2VOb25lIAovVmllld2VyUHJlZmVpZW5jZXMGPDwgCi9GaXRX
        aW5kb3cgdHJlZSAKL1BhZ2VMYXlvdXQgL1NpbmdsZVBhZ2UgCi9Ob25GdWxsU2NyZWVuUGFnZU1vZGUgL1Vz
        ZU5vbmUgCj4+IAo+PiAKZW5kb2JqIAo1IDAgb2JqIAo8PCAKL0xlbmd0aCAyNDEzIAovRmlsdGVyIFsgL0Zs
        YXRlRGVjb2RlIF0gCj4+IApzdHJlYW0KeJztWltz...</DataStream_Byte>
      </ReturnData>
    </dsReturnStream>
  </diffgr:diffgram>
</dsReturnStream>
```

HAWBLabel Parameters

- shawb: 080789279
- eLabelType accepts the following string values:
 - Label2x4
 - Label4x6
 - Label4x6Doctab
 - Label8x11
- szip: 97812

Results:

```
<dsReturnStream xmlns="http://tempuri.org/">
  <xs:schema xmlns:mstns="http://tempuri.org/dsReturnStream.xsd"
    xmlns="http://tempuri.org/dsReturnStream.xsd"
    xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:msdata="urn:schemas-microsoft-com:xml-msdata" id="dsReturnStream"
    targetNamespace="http://tempuri.org/dsReturnStream.xsd"
    attributeFormDefault="qualified" elementFormDefault="qualified">
    <xs:element name="dsReturnStream" msdata:IsDataSet="true"
      msdata:Locale="en-US">
      <xs:complexType>
        <xs:choice minOccurs="0" maxOccurs="unbounded">
          <xs:element name="ReturnData">
            <xs:complexType>
              <xs:sequence>
                <xs:element name="ErrorMessage"
                  type="xs:string" minOccurs="0"/>
                <xs:element
                  name="DataStream_Byte" type="xs:base64Binary" minOccurs="0"/>
                <xs:element name="DataLength"
                  type="xs:int" default="0" minOccurs="0"/>
              </xs:sequence>
            </xs:complexType>
          </xs:element>
        </xs:choice>
      </xs:complexType>
    </xs:element>
  </xs:schema>
  <diffgr:diffgram xmlns:msdata="urn:schemas-microsoft-com:xml-msdata"
    xmlns:diffgr="urn:schemas-microsoft-com:xml-diffgram-v1">
    <dsReturnStream xmlns="http://tempuri.org/dsReturnStream.xsd">
      <ReturnData diffgr:id="ReturnData1" msdata:rowOrder="0">
        <ErrorMessage/>

        <DataStream_Byte>JVBERi0xLjcgCiXi48/TIAoxIDAgb2JqIAo8PCAKL1R5cGUgL0NhdkGFsb2cg
        Ci9QYWdlcyAyIDAgUiAKL1BhZ2VNb2RlIC9Vc2VOb25lIAovVmllld2VyUHJlZmVyZW5jZXMgPDwgCi9GaXRX
        aW5kb3cgdHJlZSAKL1BhZ2VMYXlvdXQgL1NpbmdsZVBhZ2UgCi9Ob25GdWxsU2NyZWVuUGFnZU1vZGUgL1Vz
        ZU5vbmUgCj4+IAo+PiAKZW5kb2JqIAo1IDAgb2JqIAo8PCAKL0xlbmd0aCAxMDAzIAovRml...</DataStream
        _Byte>
```

Samples of Data Returned by the API Calls

HAWB Document (.pdf)

PILOT FREIGHT SERVICES		P.O. Box 87 • Lima, PA 19037-0087 General Inquiries 1-800-447-4566 Home Delivery Inquiries 1-800-421-0862 pilotdelivers.com		SHIPMENT # 080789279											
NON-NEGOTIABLE WAYBILL															
DATE	ORIGIN	DESTINATION	SHIP NO.	SEE CONDITIONS OF CONTRACT ON REVERSE											
12/15/2017	PDX	MSP/Y													
PILOT ACCOUNT NO.			DOMESTIC SERVICES												
5016610			☐ First Flight Service ☐ Next Day AM ☐ Next Day PM ☐ Two Day ☐ Three Day ☒ Economy												
TEST COMPANY - PILOT 2401 BRENTWOOD			☐ Platinum Guarantee ☐ Saturday Delivery ☐ Sunday / Holiday Delivery ☐ Home Delivery - Premier ☐ Home Delivery - Deluxe ☐ Other:												
ARLINGTON OR US ZIP CODE REQUIRED 97812			☐ Home Delivery - Standard ☐ Home Delivery - Basic ☐ Exclusive Use Vehicle ☐ Special Services ☐ Trade Show												
6172838383 TEST COMPANY - PILOT			No level indicated will be considered a Next Day PM service												
PILOT ACCOUNT NO.			INTERNATIONAL SERVICES												
0			SHIP VIA SERVICE												
PYM TECHNOLOGIES 456 MAIN ST			☐ Air Direct ☐ Air Consolidation ☐ Ocean												
CUMBERLAND WI US ZIP CODE REQUIRED 54829			☐ (Air)port to (Air)port ☐ (Air)port to Door ☐ Door to (Air)port ☐ Door to Door												
6172838383 PYM TECHNOLOGIES			No level indicated will be considered an Air Consolidation service Supply Export PGA or SLI if the shipment value is \$2500 or more												
PILOT ACCOUNT NO. (IF OTHER THAN SHIPPER OR CONSIGNEE)			FREIGHT CHARGES												
5016610			☒ Prepaid ☐ Collect ☐ Third Party ☐ C.O.D.												
TEST COMPANY - PILOT 2401 BRENTWOOD			C.O.D. AMOUNT \$												
ARLINGTON OR US ZIP CODE REQUIRED 97812			The shipper will be charged if a payment type is not selected												
TEST COMPANY - PILOT			CARRIER LIMITED LIABILITY												
			Unless a value is entered here, Declared Value is agreed and understood to be \$5,000 for domestic shipments (including Puerto Rico) or \$5,000 for international or air freight shipments, but not less than \$50.00 per shipment or actual value of such goods, whichever is less. If additional insurance is purchased, enter the insurance value. See carrier for ocean shipment liability.												
			Goods are: ☐ New ☐ Used ☐ New & Used No status will be considered new goods												
			DECLARED VALUE \$ NVD												
			INSURANCE VALUE \$ NVD												
			PICKUP APPOINTMENT Date: Time:												
			SPECIAL INSTRUCTIONS												
			HOME DELIVERY-STANDARD 1 MAN THIS IS A TEST DO NOT PICK UP THIS IS A TEST. DONOT DELIVER NUMBER OF HANDLING UNITS/PALLETS: 1, PACKAGING TYPE: BOXES)												
			☐ Normal materials per attached shipper's declaration SCHEDULE RR (RFL)												
<table border="1"> <thead> <tr> <th>PIECES</th> <th>DESCRIPTION</th> <th>DIMENSIONS (INCHES)</th> <th>DIM WT</th> <th>ACTUAL WT</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>SHIPMENT ITEM</td> <td>48 48 48</td> <td>571</td> <td>555</td> </tr> </tbody> </table>						PIECES	DESCRIPTION	DIMENSIONS (INCHES)	DIM WT	ACTUAL WT	1	SHIPMENT ITEM	48 48 48	571	555
PIECES	DESCRIPTION	DIMENSIONS (INCHES)	DIM WT	ACTUAL WT											
1	SHIPMENT ITEM	48 48 48	571	555											
TOTAL 1 For International Shipments: These commodities, technology or software are exported from the United States in accordance with the export administration regulations. Declaration conforms to U.S. law prohibited. The shipper certifies that the cargo does not contain any unauthorized explosives, incendiaries, or hazardous materials. I am aware that cargo items declared for transportation are subject to U.S.A. security controls by the carrier and when appropriate, other government regulations. I agree to permit screening of cargo items by authorized U.S.A. personnel. I am aware that the endorsement and original signature along with copies of all relevant shipping documents, covering the cargo consignee, originator, description, and other relevant data will be retained on file per U.S.A. regulations.															
I certify that the cargo does not contain any unauthorized explosives, incendiaries, or hazardous materials. I am aware that cargo items declared for transportation are subject to U.S.A. security controls by the carrier and when appropriate, other government regulations. I agree to permit screening of cargo items by authorized U.S.A. personnel. I am aware that the endorsement and original signature along with copies of all relevant shipping documents, covering the cargo consignee, originator, description, and other relevant data will be retained on file per U.S.A. regulations.															
SIGNATURE OF SHIPPER OR ITS AGENT: _____ DATE: _____															
SIGNATURE OF CARRIER OR ITS AGENT: _____ DATE: _____															
PRINT NAME: _____ DATE: _____															
ADDRESS: _____ CITY: _____ STATE: _____ ZIP: _____															
PHONE: _____ FAX: _____															
CARRIER'S RECEIPT: _____ DATE: _____ TIME: _____															
SHIPMENT # 080789279															
SHIPPER'S RECEIPT QDOC 4.7.87/18															

HAWB Label (.pdf)

TEST COMPANY - PILOT 6172838383 TEST COMPANY - PILOT 2401 BRENTWOOD ARLINGTON OR 97812 US		1 of 1 12/15/2017	
SHIP TO: PYM TECHNOLOGIES PYM TECHNOLOGIES 456 MAIN ST			
CUMBERLAND WI 54829 US			
Dest Airport			
MSP			
STANDARD 1MAN			
TRACKING #: 080789279			
SHIPMENT ITEM			
7DPDXMSPZ3A8C8			
Payment Type: PrePaid			
Ref #:			
Pilot Freight Services® CoPilot™ Thermal Label v2.0.0 12/2010			

Glossary

Term	Description
HAWB (House Air Way Bill)	This is the shipment number.
zipcode	This is the ZIP code associated with the HAWB. If left blank, it will not return the HAWB document.
LabelType	This is the label type you want returned.