

Pilot Freight Services

Shipment Entry Web Service Documentation

A. Web Service Address

1. **Production**
 - i. <http://ws3.pilotdelivers.com/webservice/wshipments/Shipment.asmx>
2. **Testing**
 - i. <http://ws3.pilotdelivers.com/webservice/wshipmentsdev/Shipment.asmx>

B. WSDL File

1. <http://ws3.pilotdelivers.com/webservice/wshipments/Shipment.asmx?WSDL>

C. Functions to Use in Creating Shipments

1. **GetNewShipment** – Has no input data. Returns a dsShipment object (see Appendix I) with default values. This object is to be modified and then used as the input data when calling the **Save** function.

When altering the data, some field's values will remain constant for every request, as they pertain to your account information. The values will be provided by your sales representative or by Pilot IT. Those fields include:

- i. LocationID
- ii. Control Station
- iii. AddressID
- iv. TariffHeaderID (only required if quote is requested)

Other fields are required because they contain information necessary to properly build the shipment. Those required fields are listed below.

Shipment Node	LocationID	Required	Will be provided by Sales Rep
	ControlStation	Required	Will be provided by Sales Rep
	AddressID	Required	Will be provided by Sales Rep
	TariffHeaderID	Required for Quote	Will be provided by Sales Rep, if tariff exists
	Service	Required	See Appendix II for list of popular codes
	ProNumber	Optional	If not supplied, will be assigned
	ConsigneeAttn	Required	same value as Consignee\Contact
	ThirdPartyAuth	Required	same value as ThirdParty\Contact
	ShipDate	Required	Shipment date
	PayType	Required	P- Prepaid, T-Third Party, or C- Collect
	SpecialInstructions	Required	
	ReadyTime	Required	Date and Time when the shipment is ready for pickup

	CloseTime	Required	
	IsScreeningConsent	Required	Y-Yes or N-No
	COD	Optional	COD Fee - Accessorial
	DeclaredValue	Optional	Declared Value - Accessorial
	EmailBOL	Optional	Email address to send BOL to, in Dev environment this will not send back BOL
Shipper & Consignee Node	Name	Required	
	Contact	Required	
	Address1	Required	
	City	Required	
	State	Required	
	ZipCode	Required	
	Country	Required	
	Phone	Required	
	Email	Optional	
	PrivateRes	Optional	Private Residence - Accessorial
	Hotel	Optional	Hotel - Accessorial
	Inside	Optional	Inside - Accessorial
	Liftgate	Optional	Liftgate - Accessorial
	TwoManHours	Optional	Two Man - Accessorial
	WaitTimeHours	Optional	Wait time- Accessorial
ThirdParty Node	Name		Required if payment code is T
	Contact		Required if payment code is T
	Address1		Required if payment code is T
	City		Required if payment code is T
	State		Required if payment code is T
	ZipCode		Required if payment code is T
	Country		Required if payment code is T
	Phone		Required if payment code is T
	Email		
LineItems Node	Pieces	Required	
	Weight	Required	
	Description	Required	
	Length	Required	
	Width	Required	
	Height	Required	

2. **Save** - Creates a Pilot shipment from the data contained in the dsShipment (see Appendix I) object passed to it.
 - i. If successful in creating the shipment, returns back a PilotShipmentResult object, which will contain a fully completed dsShipment object within the <dsResult> node. Element <IsError> will have value **false**, and elements <ErrorCode> and <Message> will be null.
 - ii. If unsuccessful in creating the shipment, element <IsError> will have value **true**, and elements <ErrorCode> and <Message> will have data related to the specific error.
 - iii. Request –

```

<soap:Body>
  <Save xmlns="http://tempuri.org/">
```

```
<dsShip>dataset</dsShip>
</Save>
</soap:Body>
```

iv. Result –

```
<soap:Body>
<SaveResponse xmlns="http://tempuri.org/">
<SaveResult>
<IsError>boolean</IsError>
<ErrorCode>string</ErrorCode>
<Message>string</Message>
<dsResult>dataset</dsResult>
</SaveResult>
</SaveResponse>
</soap:Body>
```

v. Code Example

```
//Add wsShipment as Web Reference pointing to service address
wsShipment.dsShipment ds;
wsShipment.ShipmentService ws = new wsShipment.ShipmentService();

//returns dsShipment with default values
ds = ws.GetNewShipment();

ds.Shipment(0).LocationID = 11223344
ds.Shipment(0).ControlStation = "LAX"
ds.Shipment(0).AddressID = 12345
ds.Shipment(0).TariffHeaderID = 98765

ds.Shipment(0).IsScreeningConsent = "Y"
ds.Shipment(0).PayType = "T"
ds.Shipment(0).Service = "EC"
ds.Shipment(0).ProductName = "B"
ds.Shipment(0).ProductDescription = "BASIC"

ds.Shipment(0).SpecialInstructions = "Do Not Drop"
ds.Shipment(0).ShipperRef = "shipref123"
ds.Shipment(0).ConsigneeRef = "conref987"

//populate shipper information
ds.Shipper(0).Name = "DAVE KASARSKY"
ds.Shipper(0).Address1 = "PILOT FREIGHT SERVICES"
ds.Shipper(0).Address2 = "314 N MIDDLETOWN RD"
ds.Shipper(0).City = "LIMA"
ds.Shipper(0).State = "PA"
ds.Shipper(0).Zipcode = "19037"
ds.Shipper(0).Country = "US"
ds.Shipper(0).Contact = "DAVE KASARSKY"
ds.Shipper(0).Phone = "610-891-8100"

//populate consignee information
ds.Consignee(0).Name = "PILOT AIR FREIGHT (ORD)"
ds.Consignee(0).Address1 = "695 TOUHY"
ds.Consignee(0).City = "ELK GROVE VILLAGE"
ds.Consignee(0).State = "IL"
ds.Consignee(0).Zipcode = "60007"
ds.Consignee(0).Country = "US"
ds.Consignee(0).Contact = ""
ds.Consignee(0).Phone = "630-238-3245"

//populate third party information when PayType equals T
ds.ThirdParty(0).Name = "BILL PAYER INC"
```

```
ds.ThirdParty(0).Address1 = "123 MONEYBAGS LANE"  
ds.ThirdParty(0).Address2 = "SUITE 100"  
ds.ThirdParty(0).City = "BEVERLY HILLS"  
ds.ThirdParty(0).State = "CA"  
  
ds.ThirdParty(0).Zipcode = "90210"  
ds.ThirdParty(0).Country = "US"  
ds.ThirdParty(0).Contact = "MR. MONOPOLY"  
ds.ThirdParty(0).Phone = "123-456-7890"  
  
//creating lineitems  
wsShipment.dsShipment.LineItemsRow drline = ds.LineItems.NewLineItemsRow();  
drline.Pieces = 1;  
drline.Weight= 600;  
drline.Description = "Pallet";  
drline.Length= 48;  
drline.Width= 48;  
drline.Height = 36;  
ds.LineItems.Rows.Add(drline);  
  
///save the shipment  
wsShipment.PilotShipmentResult res = ws.Save(ds);  
if ( res.IsError == false)  
{  
    Console.WriteLine("Shipment has been saved.");  
    res.dsResult.WriteXml("result.xml");  
}  
}
```

vi. Sample Result – See **Appendix IV**

D. Functions to Use in Voiding Shipments

1. **GetNewVoid** – Has no input data. Returns a dsVoid object (see Appendix II) with default values. This object is to be modified and then used as the input data when calling the **Void** function.

When altering the data, some field's values will remain constant for every request, as they pertain to your account information. The values will be provided by your sales representative or by Pilot IT. Those fields include:

- v. LocationID
 - vi. Control Station
 - vii. AddressID
 - viii. TariffHeaderID
2. **Void** – Creates a Pilot void from the data contained in the dsVoid (see Appendix II) object passed to it. This is only an email notification to the responsible parties to void this shipment, this function does not actually manipulate status on the shipment on our end.

- i. If successful in voiding the shipment, returns back a PilotShipmentResult object, which will contain a message to show Success or Failure results. Element <IsError> will have value **false**, and element <Message> will have a string value message stating 'Shipment Void Success'.
- ii. If unsuccessful in voiding the shipment, element <IsError> will have value **true**, and elements <ErrorCode> and <Message> will have data related to the specific error.
- iii. Request –

```
<soap:Body>
  <Void xmlns="http://tempuri.org/">
    <dsVoid>dataset</dsVoid>
  </Void>
</soap:Body>
```

- iv. Result –

```
<soap:Body>
  <VoidResponse xmlns="http://tempuri.org/">
    <VoidResult>
      <IsError>boolean</IsError>
      <ErrorCode>string</ErrorCode>
      <Message>string</Message>
    </VoidResult>
  </VoidResponse>
</soap:Body>
```

- v. Code Example

```
//Add wsShipment as Web Reference pointing to service address
wsShipment.dsShipment ds;
wsShipment.ShipmentService ws = new wsShipment.ShipmentService();

//returns dsVoid with default values
ds = ws.GetNewVoid();

ds.Void(0).LocationID = 11223344
ds.Void(0).ControlStation = "LAX"
ds.Void(0).AddressID = 12345
ds.Void(0).TariffHeaderID = 98765
ds.Void(0).ProNumber = "000000001"

///void the shipment
wsShipment.PilotShipmentResult res = ws.Void(ds);
}
```

3. Expected Result – <IsError>>false</IsError> & <Message>Shipment Void Success</Message> **OR** <IsError>>true</IsError> & <Message>Shipment Void Failed</Message>

Appendix

I. dsShipment XSD

```

<?xml version="1.0" encoding="utf-8" ?>
<xs:schema id="dsShipment"
    targetNamespace="http://tempuri.org/dsShipment.xsd"
    elementFormDefault="qualified"
    attributeFormDefault="qualified"
    xmlns="http://tempuri.org/dsShipment.xsd"
    xmlns:mstns="http://tempuri.org/dsShipment.xsd"
    xmlns:xs="http://www.w3.org/2001/XMLSchema"
    xmlns:msdata="urn:schemas-microsoft-com:xml-msdata"
    xmlns:msprop="urn:schemas-microsoft-com:xml-msprop">
  <xs:element name="dsShipment">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="Shipment">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="QuoteID" type="xs:int" minOccurs="0" default="0"/>
              <xs:element name="LocationID" type="xs:int" minOccurs="0" default="0"/>
              <xs:element name="TransportByAir" type="xs:boolean" default="false"/>
              <xs:element name="IATA_Classifications" type="xs:int" minOccurs="0" />
              <xs:element name="PackingContainers" type="xs:int" minOccurs="0" />
              <xs:element name="DeclaredValue" type="xs:double" minOccurs="0" default="0"/>
              <xs:element name="COD" type="xs:double" minOccurs="0" default="0"/>
              <xs:element name="TariffID" type="xs:int" minOccurs="0" />
              <xs:element name="TariffName" type="xs:string" minOccurs="0" />
              <xs:element name="TariffCode" type="xs:string" minOccurs="0" />
              <xs:element name="Notes" type="xs:string" minOccurs="0" />
              <xs:element name="Service" type="xs:string" minOccurs="0" />
              <xs:element name="AirtrakServiceCode" type="xs:string" minOccurs="0" />
              <xs:element name="TariffExtension" type="xs:string" minOccurs="0" />
              <xs:element name="QuoteDate" type="xs:dateTime" minOccurs="0" />
              <xs:element name="HoldAtAirport" type="xs:boolean" minOccurs="0" default="false"/>
              <xs:element name="ControlStation" type="xs:string" minOccurs="0" />
              <xs:element name="ProNumber" type="xs:string" minOccurs="0" default=""/>
              <xs:element name="ConsigneeAttn" type="xs:string" minOccurs="0" />
              <xs:element name="ThirdPartyAuth" type="xs:string" minOccurs="0" />
              <xs:element name="ShipperRef" type="xs:string" minOccurs="0" />
              <xs:element name="ConsigneeRef" type="xs:string" minOccurs="0" />
              <xs:element name="DeliveryDate" type="xs:string" minOccurs="0" />
              <xs:element name="AmountDueConsignee" type="xs:decimal" minOccurs="0" default="0"/>
              <xs:element name="ShipDate" type="xs:dateTime" minOccurs="0" />
              <xs:element name="OverSized" type="xs:boolean" minOccurs="0" />
              <xs:element name="PayType" type="xs:string" minOccurs="0" />
              <xs:element name="POD" type="xs:boolean" minOccurs="0" default="false"/>
              <xs:element name="SatDelivery" type="xs:boolean" minOccurs="0" default="false"/>
              <xs:element name="SpecialInstructions" type="xs:string" minOccurs="0" />
              <xs:element name="ReadyTime" type="xs:dateTime" minOccurs="0" />
              <xs:element name="CloseTime" type="xs:dateTime" minOccurs="0" />
              <xs:element name="HomeDelivery" type="xs:string" minOccurs="0" />
            
```

```
<xs:element name="ShipmentID" type="xs:int" minOccurs="0" default="0"/>
<xs:element name="LockDate" type="xs:dateTime" minOccurs="0" />
<xs:element name="LockUser" type="xs:int" minOccurs="0" />
<xs:element name="LastUpdate" type="xs:dateTime" minOccurs="0" />
<xs:element name="AddressID" type="xs:int" minOccurs="0" />
<xs:element name="Platinum" type="xs:boolean" minOccurs="0" />
<xs:element name="IsShipper" type="xs:boolean" minOccurs="0" default="false" />
<xs:element name="GBL" type="xs:boolean" minOccurs="0" default="false" />
<xs:element name="IsInsurance" type="xs:boolean" minOccurs="0" default="false" />
<xs:element name="Condition" type="xs:string" minOccurs="0" />
<xs:element name="Packaging" type="xs:string" minOccurs="0" />
<xs:element name="TariffHeaderID" type="xs:int" minOccurs="0" default="0"/>
<xs:element name="ProductName" type="xs:string" minOccurs="0" />
<xs:element name="ProductDescription" type="xs:string" minOccurs="0" />
<xs:element name="DebrisRemoval" type="xs:boolean" minOccurs="0" />
<xs:element name="IsScreeningConsent" type="xs:string" minOccurs="0" />
<xs:element name="ServiceName" type="xs:string" minOccurs="0" />
<xs:element name="Hazmat" type="xs:boolean" minOccurs="0" />
<xs:element name="HazmatNumber" type="xs:string" minOccurs="0" />
<xs:element name="HazmatClass" type="xs:string" minOccurs="0" />
<xs:element name="HazmatPhone" type="xs:string" minOccurs="0" />
<xs:element name="IsDistribution" type="xs:boolean" minOccurs="0" default="false" />
<xs:element name="DeliveryStartTime" type="xs:string" minOccurs="0" />
<xs:element name="AirtrakQuoteNo" type="xs:long" minOccurs="0" default="0"/>
<xs:element name="Shipper" minOccurs="0" maxOccurs="unbounded">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="ShipmentID" type="xs:int" minOccurs="0" default="0"/>
      <xs:element name="Name" type="xs:string" minOccurs="0" />
      <xs:element name="Address1" type="xs:string" minOccurs="0" default="" />
      <xs:element name="Address2" type="xs:string" minOccurs="0" default="" />
      <xs:element name="Address3" type="xs:string" minOccurs="0" default="" />
      <xs:element name="City" type="xs:string" minOccurs="0" />
      <xs:element name="State" type="xs:string" minOccurs="0" />
      <xs:element name="Zipcode" type="xs:string" minOccurs="0" />
      <xs:element name="Country" type="xs:string" minOccurs="0" />
      <xs:element name="Airport" type="xs:string" minOccurs="0" />
      <xs:element name="Owner" type="xs:string" minOccurs="0" />
      <xs:element name="Attempted" type="xs:boolean" minOccurs="0" default="false" />
      <xs:element name="PrivateRes" type="xs:boolean" minOccurs="0" default="false" />
      <xs:element name="Hotel" type="xs:boolean" minOccurs="0" default="false" />
      <xs:element name="Inside" type="xs:boolean" minOccurs="0" default="false" />
      <xs:element name="Liftgate" type="xs:boolean" minOccurs="0" default="false" />
      <xs:element name="TwoManHours" type="xs:double" minOccurs="0" default="0" />
      <xs:element name="WaitTimeHours" type="xs:double" minOccurs="0" default="0" />
      <xs:element name="Special" type="xs:string" minOccurs="0" />
      <xs:element name="DedicatedVehicle" type="xs:string" minOccurs="0" />
      <xs:element name="Miles" type="xs:int" minOccurs="0" />
      <xs:element name="Canadian" type="xs:boolean" minOccurs="0" />
      <xs:element name="ServiceCode" type="xs:string" minOccurs="0" />
      <xs:element name="Convention" type="xs:boolean" minOccurs="0" />
      <xs:element name="Contact" type="xs:string" minOccurs="0" />
      <xs:element name="Phone" type="xs:string" minOccurs="0" />
      <xs:element name="Extension" type="xs:string" minOccurs="0" />
      <xs:element name="Email" type="xs:string" minOccurs="0" />
      <xs:element name="SendEmail" type="xs:boolean" minOccurs="0" default="false"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

```
<xs:element name="Consignee" minOccurs="0" maxOccurs="unbounded">
  <xs:complexType >
    <xs:sequence>
      <xs:element name="ShipmentID" type="xs:int" minOccurs="0" default="0"/>
      <xs:element name="Name" type="xs:string" minOccurs="0" />
      <xs:element name="Address1" type="xs:string" minOccurs="0" default="" />
      <xs:element name="Address2" type="xs:string" minOccurs="0" default="" />
      <xs:element name="Address3" type="xs:string" minOccurs="0" default="" />
      <xs:element name="City" type="xs:string" minOccurs="0" />
      <xs:element name="State" type="xs:string" minOccurs="0" />
      <xs:element name="Zipcode" type="xs:string" minOccurs="0" />
      <xs:element name="Country" type="xs:string" minOccurs="0" />
      <xs:element name="Airport" type="xs:string" minOccurs="0" />
      <xs:element name="Owner" type="xs:string" minOccurs="0" />
      <xs:element name="Attempted" type="xs:boolean" minOccurs="0" default="false" />
      <xs:element name="PrivateRes" type="xs:boolean" minOccurs="0" default="false" />
      <xs:element name="Hotel" type="xs:boolean" minOccurs="0" default="false" />
      <xs:element name="Inside" type="xs:boolean" minOccurs="0" default="false" />
      <xs:element name="Liftgate" type="xs:boolean" minOccurs="0" default="false" />
      <xs:element name="TwoManHours" type="xs:double" minOccurs="0" default="0" />
      <xs:element name="WaitTimeHours" type="xs:double" minOccurs="0" default="0" />
      <xs:element name="Special" type="xs:string" minOccurs="0" />
      <xs:element name="DedicatedVehicle" type="xs:string" minOccurs="0" />
      <xs:element name="Miles" type="xs:int" minOccurs="0" />
      <xs:element name="Canadian" type="xs:boolean" minOccurs="0" />
      <xs:element name="ServiceCode" type="xs:string" minOccurs="0" />
      <xs:element name="Convention" type="xs:boolean" minOccurs="0" />
      <xs:element name="Contact" type="xs:string" minOccurs="0" />
      <xs:element name="Phone" type="xs:string" minOccurs="0" />
      <xs:element name="Extension" type="xs:string" minOccurs="0" />
      <xs:element name="Email" type="xs:string" minOccurs="0" />
      <xs:element name="SendEmail" type="xs:boolean" minOccurs="0" default="false"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

<xs:element name="ThirdParty" minOccurs="0" maxOccurs="unbounded">
  <xs:complexType >
    <xs:sequence>
      <xs:element name="ShipmentID" type="xs:int" minOccurs="0" default="0"/>
      <xs:element name="Name" type="xs:string" minOccurs="0" />
      <xs:element name="Address1" type="xs:string" minOccurs="0" default="" />
      <xs:element name="Address2" type="xs:string" minOccurs="0" default="" />
      <xs:element name="Address3" type="xs:string" minOccurs="0" default="" />
      <xs:element name="City" type="xs:string" minOccurs="0" />
      <xs:element name="State" type="xs:string" minOccurs="0" />
      <xs:element name="Zipcode" type="xs:string" minOccurs="0" />
      <xs:element name="Country" type="xs:string" minOccurs="0" />
      <xs:element name="Contact" type="xs:string" minOccurs="0" />
      <xs:element name="Phone" type="xs:string" minOccurs="0" />
      <xs:element name="Extension" type="xs:string" minOccurs="0" />
      <xs:element name="Email" type="xs:string" minOccurs="0" />
      <xs:element name="SendEmail" type="xs:boolean" minOccurs="0" default="false"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

<xs:element name="LineItems" minOccurs="1" maxOccurs="unbounded">
  <xs:complexType>
```



```

<xs:sequence>
  <xs:element name="ShipmentID" type="xs:int" minOccurs="0" default = "0"/>
  <xs:element name="LineRow" type="xs:int" minOccurs="0" />
  <xs:element name="Pieces" type="xs:int" minOccurs="0" />
  <xs:element name="Weight" type="xs:int" minOccurs="0" />
  <xs:element name="Description" type="xs:string" minOccurs="0" />
  <xs:element name="Length" type="xs:int" minOccurs="0" />
  <xs:element name="Width" type="xs:int" minOccurs="0" />
  <xs:element name="Height" type="xs:int" minOccurs="0" />
  <xs:element name="Kilos" type="xs:int" minOccurs="0" default = "0"/>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="Quote" minOccurs="0" maxOccurs="unbounded">
  <xs:complexType >
    <xs:sequence>
      <xs:element name="ShipmentID" type="xs:int" minOccurs="0" default = "0"/>
      <xs:element name="Service" type="xs:string" minOccurs="0" />
      <xs:element name="DimWeight" type="xs:int" minOccurs="0" default = "0"/>
      <xs:element name="TotalQuote" type="xs:double" minOccurs="0" default = "0"/>
      <xs:element name="Oversized" type="xs:boolean" minOccurs="0" default = "false"/>
      <xs:element name="AbleToCalculate" type="xs:boolean" minOccurs="0" default = "false"/>
      <xs:element name="ChargeWeight" type="xs:int" minOccurs="0" default = "0"/>
      <xs:element name="Beyond" type="xs:boolean" minOccurs="0" default = "false"/>
      <xs:element name="DisplayService" type="xs:string" default = "" />
      <xs:element name="TopLine" type="xs:double" minOccurs="0" default = "0"/>
      <xs:element name="UpgradeRequiredForServiceArea" type="xs:boolean" minOccurs="0" default
="false"/>
      <xs:element name="LinkForShipping" type="xs:string" minOccurs="0" />
      <xs:element name="Breakdown" minOccurs="0" maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="ShipmentID" type="xs:int" minOccurs="0" default = "0"/>
            <xs:element name="ChargeCode" type="xs:int" minOccurs="0" />
            <xs:element name="Charge" type="xs:double" minOccurs="0" />
            <xs:element name="BillCodeName" type="xs:string" minOccurs="0" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="InternationalServices" minOccurs="0" maxOccurs="unbounded">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="ShipmentID" type="xs:int" minOccurs="0" default = "0"/>
      <xs:element name="ShipmentType" type="xs:string" minOccurs="0" />
      <xs:element name="Service" type="xs:string" minOccurs="0" />
      <xs:element name="Incoterms" type="xs:string" minOccurs="0" />
      <xs:element name="CustomsValue" type="xs:string" minOccurs="0" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="International" minOccurs="0" maxOccurs="unbounded">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="ShipmentID" type="xs:int" minOccurs="0" default = "0"/>
      <xs:element name="USPPI_EIN" type="xs:string" minOccurs="0" />
      <xs:element name="PartiesToTransaction" type="xs:boolean" minOccurs="0" />
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

```

<xs:element name="IntermediateConsignee" type="xs:string" minOccurs="0" />
<xs:element name="MethodOfTransportation" type="xs:string" minOccurs="0" />
<xs:element name="ConsolidateOrDirect" type="xs:boolean" minOccurs="0" />
<xs:element name="ShipmentReferenceNumber" type="xs:string" minOccurs="0" />
<xs:element name="EntryNumber" type="xs:string" minOccurs="0" />
<xs:element name="InBondCode" type="xs:string" minOccurs="0" />
<xs:element name="RoutedExportTransaction" type="xs:boolean" minOccurs="0" />
<xs:element name="LicenseNumber" type="xs:string" minOccurs="0" />
<xs:element name="ECCN" type="xs:string" minOccurs="0" />
<xs:element name="HazMat" type="xs:boolean" minOccurs="0" />
<xs:element name="LicenseValue" type="xs:string" minOccurs="0" />
<xs:element name="InBondCodeValue" type="xs:string" minOccurs="0" />
<xs:element name="MethodOfTransportationValue" type="xs:string" minOccurs="0" />
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="OtherReferences" minOccurs="0" maxOccurs="unbounded">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="ShipmentID" type="xs:int" minOccurs="0" default="0"/>
      <xs:element name="Reference" type="xs:string" minOccurs="0" />
      <xs:element name="ReferenceType" type="xs:string" minOccurs="0" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ScheduleBLines" minOccurs="1" maxOccurs="unbounded">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="ScheduleBID" type="xs:int" minOccurs="0" />
      <xs:element name="ShipmentID" type="xs:int" minOccurs="0" default="0"/>
      <xs:element name="ScheduleBLine" type="xs:int" minOccurs="0" default="0"/>
      <xs:element name="DForM" type="xs:string" minOccurs="0" />
      <xs:element name="ScheduleBNumber" type="xs:string" minOccurs="0" />
      <xs:element name="Quantity" type="xs:string" minOccurs="0" />
      <xs:element name="Weight" type="xs:int" minOccurs="0" />
      <xs:element name="VinNumber" type="xs:string" minOccurs="0" />
      <xs:element name="DollarValue" type="xs:string" minOccurs="0" default="0"/>
      <xs:element name="ScheduleBCode" type="xs:string" minOccurs="0" default="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ShipmentCustomerInfo" minOccurs="1" maxOccurs="unbounded">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="User_Email" type="xs:string" minOccurs="0" />
      <xs:element name="User_Name" type="xs:string" minOccurs="0" default=""/>
      <xs:element name="User_Phone" type="xs:string" minOccurs="0" default=""/>
      <xs:element name="Name" type="xs:string" minOccurs="0" default=""/>
      <xs:element name="Address1" type="xs:string" minOccurs="0" default=""/>
      <xs:element name="Address2" type="xs:string" minOccurs="0" default=""/>
      <xs:element name="City" type="xs:string" minOccurs="0" default=""/>
      <xs:element name="State" type="xs:string" minOccurs="0" default=""/>
      <xs:element name="Zip" type="xs:string" minOccurs="0" default=""/>
      <xs:element name="Country" type="xs:string" minOccurs="0" default=""/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>

```

```

</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:schema>

```

II. dsVoid XSD

```

<?xml version="1.0" encoding="utf-8" ?>
<xs:schema id="dsVoid"
  targetNamespace="http://tempuri.org/dsVoid.xsd"
  elementFormDefault="qualified"
  attributeFormDefault="qualified"
  xmlns="http://tempuri.org/dsVoid.xsd"
  xmlns:mstns="http://tempuri.org/dsVoid.xsd"
  xmlns:xs="http://www.w3.org/2001/XMLSchema"
  xmlns:msdata="urn:schemas-microsoft-com:xml-msdata"
  xmlns:msprop="urn:schemas-microsoft-com:xml-msprop">
  <xs:element name="dsVoid">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="Void">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="LocationID" type="xs:int" minOccurs="0" default="0"/>
              <xs:element name="AddressID" type="xs:int" minOccurs="0" default="0"/>
              <xs:element name="ControlStation" type="xs:string" minOccurs="0" default=""/>
              <xs:element name="TariffHeaderID" type="xs:int" minOccurs="0" default="0" />
              <xs:element name="ProNumber" type="xs:string" minOccurs="0" default=""/>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>

```

III. Lists of Popular Service Codes

List of most popular commercial services

Code	Name
NF	FIRST FLIGHT SERVICE
18	NEXT AM
24	NEXT PM
48	TWO DAY
66	THREE DAY
72	ECONOMY

List of most popular home delivery services

Code	Name
BA	BASIC
DE	DELUXE

PR	PREMIER
S1	STANDARD ONE MAN
S2	STANDARD TWO MAN

IV. Example returned dsShipment from Save Function

- a. Most helpful information returned is the data:
 - i. Pilot tracking (Pro) number, which is in Shipment/ProNumber field
 - ii. Quote information in Quote/Breakdown node, which will only be returned if
 - 1) TariffHeaderID is included in the request
 - 2) A tariff exists for the customer, and is active
 - 3) The requested shipment falls into the rules of the tariff (i.e. service requested, shipper/consignee locations, etc)

```
<?xml version="1.0" standalone="yes"?>
<dsShipment xmlns="http://tempuri.org/dsShipment.xsd">
  <Shipment>
    <QuoteID>9999999</QuoteID>
    <LocationID>11223344</LocationID>
    <TransportByAir>false</TransportByAir>
    <IATA_Classifications>0</IATA_Classifications>
    <PackingContainers>0</PackingContainers>
    <DeclaredValue>0</DeclaredValue>
    <COD>0</COD>
    <TariffID>98765</TariffID>
    <TariffName>PILOT FREIGHT</TariffName>
    <TariffCode>PFS</TariffCode>
    <Notes />
    <Service>BA</Service>
    <AirtrakServiceCode>EC</AirtrakServiceCode>
    <TariffExtension>BA</TariffExtension>
    <QuoteDate>2014-07-09T12:46:41.313-04:00</QuoteDate>
    <HoldAtAirport>false</HoldAtAirport>
    <ControlStation>LAX</ControlStation>
    <ProNumber>055555555</ProNumber>
    <ConsigneeAttn />
    <ThirdPartyAuth />
    <ShipperRef>SHIPREF123</ShipperRef>
    <ConsigneeRef>CONREF987</ConsigneeRef>
    <DeliveryDate>07/09/2014</DeliveryDate>
    <AmountDueConsignee>0.0000</AmountDueConsignee>
    <ShipDate>2014-07-09T00:00:00-04:00</ShipDate>
    <PayType>T</PayType>
    <POD>false</POD>
    <SatDelivery>false</SatDelivery>
    <SpecialInstructions>TEST</SpecialInstructions>
    <ReadyTime>2014-07-09T12:36:30-04:00</ReadyTime>
    <CloseTime>2014-07-09T12:36:30-04:00</CloseTime>
    <HomeDelivery />
    <ShipmentID>2785051</ShipmentID>
    <LockDate>2014-07-09T12:46:41.313-04:00</LockDate>
    <LockUser>0</LockUser>
    <LastUpdate>2014-07-09T12:46:41.313-04:00</LastUpdate>
    <AddressID>64127</AddressID>
    <Platinum>false</Platinum>
    <IsShipper>false</IsShipper>
    <GBL>false</GBL>
    <IsInsurance>false</IsInsurance>
    <Condition xml:space="preserve"></Condition>
    <Packaging xml:space="preserve"></Packaging>
  </Shipment>
</dsShipment>
```

```
<TariffHeaderID>12345</TariffHeaderID>
<ProductName>B</ProductName>
<ProductDescription>BASIC</ProductDescription>
<IsScreeningConsent>Y</IsScreeningConsent>
<ServiceName>BASIC</ServiceName>
<HazmatNumber />
<IsDistribution>>false</IsDistribution>
</Shipment>
<Shipper>
  <ShipmentID>2785051</ShipmentID>
  <Name>DAVE KASARSKY</Name>
  <Address1>PILOT FREIGHT SERVICES</Address1>
  <Address2>314 N MIDDLETOWN RD</Address2>
  <Address3 />
  <City>LIMA</City>
  <State>PA</State>
  <Zipcode>19037</Zipcode>
  <Country>US</Country>
  <Airport>PHL</Airport>
  <Owner>PHL</Owner>
  <Attempted>>false</Attempted>
  <PrivateRes>>false</PrivateRes>
  <Hotel>>false</Hotel>
  <Inside>>false</Inside>
  <Liftgate>>false</Liftgate>
  <TwoManHours>0</TwoManHours>
  <WaitTimeHours>0</WaitTimeHours>
  <Special />
  <DedicatedVehicle />
  <Miles>0</Miles>
  <Canadian>>false</Canadian>
  <ServiceCode />
  <Convention>>false</Convention>
  <Contact>DAVE KASARSKY</Contact>
  <Phone>610-891-8100 </Phone>
  <Extension xml:space="preserve"></Extension>
  <Email xml:space="preserve"></Email>
  <SendEmail>>false</SendEmail>
</Shipper>
<Consignee>
  <ShipmentID>2785051</ShipmentID>
  <Name>PILOT AIR FREIGHT (ORG)</Name>
  <Address1>695 TOUHY</Address1>
  <Address2 />
  <Address3 />
  <City>ELK GROVE VILLAGE</City>
  <State>IL</State>
  <Zipcode>60007</Zipcode>
  <Country>US</Country>
  <Airport>ORD</Airport>
  <Owner>ORD</Owner>
  <Attempted>>false</Attempted>
  <PrivateRes>>false</PrivateRes>
  <Hotel>>false</Hotel>
  <Inside>>false</Inside>
  <Liftgate>>false</Liftgate>
  <TwoManHours>0</TwoManHours>
  <WaitTimeHours>0</WaitTimeHours>
  <Special />
  <DedicatedVehicle />
  <Miles>0</Miles>
  <Canadian>>false</Canadian>
  <ServiceCode />
  <Convention>>false</Convention>
  <Contact />
  <Phone>630-238-3245 </Phone>
  <Extension xml:space="preserve"></Extension>
  <Email xml:space="preserve"></Email>
```

```

<SendEmail>>false</SendEmail>
</Consignee>
<ThirdParty>
  <ShipmentID>2785051</ShipmentID>
  <Name> BILL PAYER INC </Name>

  <Address1>123 MONEYBAGS LANE </Address1>
  <Address2> SUITE 100</Address2>
  <Address3 />
  <City> BEVERLY HILLS </City>
  <State>CA</State>
  <Zipcode>90210</Zipcode>
  <Country>US</Country>
  <Contact> MR. MONOPOLY</Contact>
  <Phone xml:space="preserve">123-456-7890</Phone>
  <Extension xml:space="preserve"></Extension>
  <Email xml:space="preserve"></Email>
  <SendEmail>>false</SendEmail>
</ThirdParty>
<LinItems>
  <ShipmentID>2785051</ShipmentID>
  <LineRow>0</LineRow>
  <Pieces>1</Pieces>
  <Weight>600</Weight>
  <Description>PALLET</Description>
  <Length>48</Length>
  <Width>48</Width>
  <Height>36</Height>
  <Kilos>0</Kilos>
</LinItems>
<Quote>
  <ShipmentID>2785051</ShipmentID>
  <Service>BA</Service>
  <DimWeight>277</DimWeight>
  <TotalQuote>407.04</TotalQuote>
  <Oversized>>false</Oversized>
  <AbleToCalculate>>true</AbleToCalculate>
  <ChargeWeight>600</ChargeWeight>
  <Beyond>>false</Beyond>
  <DisplayService>BASIC</DisplayService>
  <TopLine>318</TopLine>
  <UpgradeRequiredForServiceArea>>false</UpgradeRequiredForServiceArea>
  <Breakdown>
    <ShipmentID>0</ShipmentID>
    <ChargeCode>1</ChargeCode>
    <Charge>318</Charge>
    <BillCodeName>FREIGHT CHARGES</BillCodeName>
  </Breakdown>
  <Breakdown>
    <ShipmentID>0</ShipmentID>
    <ChargeCode>6</ChargeCode>
    <Charge>89.04</Charge>
    <BillCodeName>FUEL SURCHARGE</BillCodeName>
  </Breakdown>
</Quote>
<ShipmentCustomerInfo>
  <User_Email>dave@pilotdelivers.com</User_Email>
  <User_Name>Dave Kasarsky</User_Name>
  <User_Phone>610-891-8100</User_Phone>
  <Name>PILOT FREIGHT SERVICES</Name>
  <Address1>314 N MIDDLETOWN RD</Address1>
  <Address2> </Address2>
  <City>LIMA</City>
  <State>PA</State>
  <Zip>19382</Zip>
  <Country>US</Country>
</ShipmentCustomerInfo>
</dsShipment>

```

