

**PITT OHIO Bill of Lading API**  
Version 1.0

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The PITT OHIO Bill of Lading API allows customers to seamlessly submit Bill of Ladings to PITT OHIO. This document details the functions that customers may incorporate into their custom software or an existing Traffic Management System.

## Web Service Location

<https://pittohio.com/WebServices/RestServices/api/B2BBillOfLading/>

## Helper Functions

These helper functions return lists of the acceptable values for some bill of lading fields. They return their results formatted as XML by default. You may request the results formatted as JSON instead by specifying the MIME type “application/json” in the request’s Accept header or by including “json=true” in the request string.

*GET api/B2BBillOfLading/CodFees?json={json}*

Returns valid values for the BillOfLadingParams.BillOfLading.CodFee field as an array of strings.

*GET api/B2BBillOfLading/RequesterRoles?json={json}*

Returns valid values for the BillOfLadingParams.BillOfLading. RequesterRole field as an array of strings.

*GET api/B2BBillOfLading/PaymentTerms?json={json}*

Returns valid values for the BillOfLadingParams.BillOfLading.PaymentTerms field as an array of strings.

*GET api/B2BBillOfLading/Classes?json={json}*

Returns valid values for the BillOfLadingParams.BillOfLading.Details BillOfLadingDetail.Class field as an array of strings.

*GET api/B2BBillOfLading/PackageTypes?json={json}*

Returns valid values for the BillOfLadingParams.BillOfLading.Details BillOfLadingDetail.PackageType field as an array of strings.

## Post Function

*POST api/B2BBillOfLading/PostBol?json={json}*

Post information to create a new PITT OHIO bill of lading. Pass a BillOfLadingParams object describing the bill of lading, and receive the result in a BillOfLadingResult object.

## Document Retrieval Functions

*GET api/B2BBillOfLading/pdf/{bol id}?email={email address}&pwd={password}*

Returns a bill of lading document, formatted as a PDF file, in an octet stream. You pass the bill of lading ID as part of the URL, and your email address and password as request parameters. When you create a bill of lading, the API will set its ID in the BillOfLadingResult.BillOfLading.BillOfLadingId field.

This function will return 403 (Forbidden) if you do not supply a valid email address and password, or if the bill of lading is not associated with the user identified by those credentials. The function will return 404 (Not Found) if it can't find the bill of lading with the ID.

*GET api/B2BBillOfLading/labels/{bol id}?email={email address}&pwd={password}&startPos={start position}&count={count}*

Returns a set of shipping labels, formatted as a PDF file, in an octet stream. You pass the bill of lading ID as part of the URL, and your email address and password as request parameters. When you create a bill of lading, the API will set its ID in the BillOfLadingResult.BillOfLading.BillOfLadingId field.

This function will return 403 (Forbidden) if you do not supply a valid email address and password, or if the bill of lading is not associated with the user identified by those credentials. The function will return 404 (Not Found) if it can't find the bill of lading with the ID.

The layout of the labels will be appropriate for an Avery 5164 label, with two columns and three rows of 3.5 in x 4 in shipping labels. You may include a parameter in the request string named *startPos* to indicate where you want to print the first label on the sheet. This parameter must be between one and six and defaults to one. You may also include a parameter in the request string named *count* to indicate how many labels you want to print. Regardless of this value, the results will only contain as many labels as will fit, given the start position.

## Posting a Bill of Lading using PITT OHIO's API

You post information in a BillOfLadingParams object to the API to create a bill of lading. Your posted data object may be formatted as XML, JSON or as an HTTP form string. To allow you to build an interface to this API without creating unwanted bills of lading in PITT OHIO's system, the API will initially consider your account to be operating in "test mode." In this mode, you may post bills of lading and the system will process them normally, except that it won't assign an actual pro number. Instead, when asked to supply a pro number, the system will always use the invalid value "PRO\_NUMBER". Besides recording these bills of lading, PITT OHIO won't fully process Bills of Lading that you create in test mode. *When you are ready to deploy your solution, contact [APIsupport@pittohio.com](mailto:APIsupport@pittohio.com) to have your account authorized to post genuine bills of lading.*

The API will expect you to supply a valid email address and password when you post a bill of lading, even in test mode. If you do not, the API will return a 403 (Forbidden) HTTP status code. Other errors, such as missing required parameters or invalid parameters, will return a BillOfLadingResult object that includes an array of one or more error messages.

In C#, the BillOfLadingParams object is defined as follows.

```
public class BillOfLadingParams
{
    public string EmailAddress { get; set; }
    public string Password { get; set; }
    public BillOfLading BillOfLading { get; set; }
}
```

Name	Type	Notes
<i>EmailAddress</i>	String	Required. The email address you used to create your PITT OHIO account.
<i>Password</i>	String	Required. The password you use to log in to the PITT OHIO web site.
<i>BillOfLading</i>	Class	Required. Specific information describing the bill of lading.

In C#, the BillOfLading object is defined as follows.

```
public class BillOfLading
{
    public int BillOfLadingId { get; set; }
    public string ShipperName { get; set; }
    public string ShipperAddress { get; set; }
    public string ShipperAddress2 { get; set; }
    public string ShipperCity { get; set; }
    public string ShipperState { get; set; }
    public string ShipperZip { get; set; }
    public string ShipperContactPhone { get; set; }
    public string ShipperContactFax { get; set; }
    public string ShipperContactEmail { get; set; }
    public string ShipperContactName { get; set; }
    public string ConsigneeName { get; set; }
    public string ConsigneeAddress { get; set; }
    public string ConsigneeAddress2 { get; set; }
    public string ConsigneeCity { get; set; }
    public string ConsigneeState { get; set; }
    public string ConsigneeZip { get; set; }
    public string ConsigneeContactPhone { get; set; }
    public string ConsigneeContactFax { get; set; }
    public string ConsigneeContactEmail { get; set; }
    public string ConsigneeContactName { get; set; }
    public string ThirdPartyName { get; set; }
    public string ThirdPartyAddress { get; set; }
    public string ThirdPartyAddress2 { get; set; }
    public string ThirdPartyCity { get; set; }
    public string ThirdPartyState { get; set; }
    public string ThirdPartyZip { get; set; }
    public string ThirdPartyContactPhone { get; set; }
    public string ThirdPartyContactFax { get; set; }
}
```

```

public string ThirdPartyContactEmail { get; set; }
public string ThirdPartyContactName { get; set; }
public string CodRemitToName { get; set; }
public string CodRemitToAddress { get; set; }
public string CodRemitToAddress2 { get; set; }
public string CodRemitToCity { get; set; }
public string CodRemitToState { get; set; }
public string CodRemitToZip { get; set; }
public string CodRemitToPhone { get; set; }
public string CodRemitToFax { get; set; }
public string CodRemitToEmail { get; set; }
public string CodRemitToContact { get; set; }
public double? CodAmount { get; set; }
public bool? CodCustomerCheck { get; set; }
public string CodFee { get; set; }
public string SpecialInstructions { get; set; }
public string BolNumber { get; set; }
public string PoNumber { get; set; }
public string EmergencyContactInfo { get; set; }
public string RequesterName { get; set; }
public string RequesterPhone { get; set; }
public string RequesterEmail { get; set; }
public string RequesterRole { get; set; }
public string PaymentTerms { get; set; }
public DateTime ShipmentDate { get; set; }
public string PreAssignedPittPro { get; set; }
public string Skids { get; set; }

public BillOfLadingDetail[] Details { get; set; }
}
    
```

Name	Type	Notes
<i>BillOfLadingId</i>	Integer	Output: PostBol will return an object with a copy of the BillOfLading object you posted. If the bill of lading is successfully created, this field will be set a value identifying the new bol id
<i>ShipperName</i>	String [100]	Required
<i>ShipperAddress</i>	String [100]	Required
<i>ShipperAddress2</i>	String [100]	Optional
<i>ShipperCity</i>	String [100]	Required
<i>ShipperState</i>	String; two-letter state or province code; uppercase.	Required
<i>ShipperZip</i>	String [20]	Required
<i>ShipperContactName</i>	String [100]	Required if requested by shipper (RequesterRole = "SHIPPER"), or if requested by consignee with third party payment terms (RequesterRold = "CONSIGNEE" and PaymentTerms = "3RD")
<i>ShipperContactPhone</i>	String [20]	
<i>ShipperContactFax</i>	String [20]	Optional
<i>ShipperContactEmail</i>	String [100]	Optional
<i>ConsigneeName</i>	String [100]	Required

<i>ConsigneeAddress</i>	String [100]	Required
<i>ConsigneeAddress2</i>	String [100]	Optional
<i>ConsigneeCity</i>	String [100]	Required
<i>ConsigneeState</i>	String; two-letter state or province code; uppercase.	Required
<i>ConsigneeZip</i>	String [20]	Required
<i>ConsigneeContactName</i>	String [100]	Required if requested by consignee (RequesterRole = "CONSIGNEE")
<i>ConsigneeContactPhone</i>	String [20]	
<i>ConsigneeContactFax</i>	String [20]	Optional
<i>ConsigneeContactEmail</i>	String [100]	Optional
<i>ThirdPartyName</i>	String [100]	Required if requested by third party (RequesterRole = "THIRDPARTY"), or with third party payment terms (PaymentTerms = "3RD")
<i>ThirdPartyAddress</i>	String [100]	
<i>ThirdPartyAddress2</i>	String [100]	Optional
<i>ThirdPartyCity</i>	String [100]	Required if requested by third party (RequesterRole = "THIRDPARTY"), or with third party payment terms (PaymentTerms = "3RD")
<i>ThirdPartyState</i>	String; two-letter state or province code; uppercase.	
<i>ThirdPartyZip</i>	String [20]	
<i>ThirdPartyContactName</i>	String [100]	
<i>ThirdPartyContactPhone</i>	String [20]	
<i>ThirdPartyContactFax</i>	String [20]	Optional
<i>ThirdPartyContactEmail</i>	String [100]	Optional
<i>CodRemitToName</i>	String [100]	Optional
<i>CodRemitToAddress</i>	String [100]	Optional
<i>CodRemitToAddress2</i>	String [100]	Optional
<i>CodRemitToCity</i>	String [100]	Optional
<i>CodRemitToState</i>	String; two-letter state or province code; uppercase.	Optional
<i>CodRemitToZip</i>	String [20]	Optional
<i>CodRemitToContact</i>	String [100]	Optional
<i>CodRemitToPhone</i>	String [20]	Optional
<i>CodRemitToFax</i>	String [20]	Optional
<i>CodRemitToEmail</i>	String [100]	Optional
<i>CodAmount</i>	Double or null	Optional
<i>CodCustomerCheck</i>	Boolean or null if not applicable	Optional
<i>CodFee</i>	String, one of "PPD" (Prepaid) "COL" (Collect) or "NA" (Not applicable)	Optional
<i>SpecialInstructions</i>	String [1000]	Optional
<i>BolNumber</i>	String [100]	
<i>PoNumber</i>	String [255]	Optional
<i>EmergencyContactInfo</i>	String [100]	Optional

<i>RequesterName</i>	String [50]	Optional
<i>RequesterPhone</i>	String [20]	Optional
<i>RequesterEmail</i>	String [100]	Optional
<i>RequesterRole</i>	String, one of "SHIPPER", "CONSIGNEE" or "THIRDPARTY"	Required
<i>PaymentTerms</i>	String, one of "3RD" (Third Party), "COL" (Collect) or "PPD" (Prepaid)	Required
<i>ShipmentDate</i>	Date	Required; May not be before the server's current date. YYYY-MM-DD
<i>PreAssignedPittPro</i>	String [10]	<b>Optional; if null or blank, the API will assign a pro number and return it in this field. (But see note about "test mode".)</b>
<i>Skids</i>	Integer	Optional Example: if in the details PackageType is 'carton/boxes' but they are on 1 pallet the pallet information can be sent in this parameter
<i>Details</i>	Array of one or more BillOfLadingDetail objects	Required

In C#, the BillOfLadingDetail object is defined as follows.

```
public class BillOfLadingDetail
{
    public int Pieces { get; set; }
    public string PackageType { get; set; }
    public int Weight { get; set; }
    public bool Hazmat { get; set; }
    public string Description { get; set; }
    public string Class { get; set; }
}
```

<b>Name</b>	<b>Type</b>	<b>Notes</b>
<i>Pieces</i>	Integer	Required in first array item; optional on subsequent items
<i>PackageType</i>	String, one of the strings returned from the <i>PackageTypes</i> API method	
<i>Weight</i>	Integer	
<i>Hazmat</i>	Boolean	
<i>Class</i>	String, one of the values returned by the	



	<i>Classes API method</i>	
<i>Description</i>	String [255]	Required <i>If you have a PITT OHIO rate quote number, supply this in the body of the bill.</i>

In C#, the BillOfLadingResult object is defined as follows.

```
public class BillOfLadingResult
{
    public string[] Errors { get; set; }
    public BillOfLading BillOfLading { get; set; }
}
```

<b>Name</b>	<b>Type</b>	<b>Notes</b>
<i>Errors</i>	Array of Strings	It there were any errors in the Bill of Lading values posted, this field will contain an array of strings describing them; otherwise, it will be null.
<i>BillOfLading</i>	BillOfLading object	Whether the Bill of Lading had any errors or not, the API method will return a Bill of Lading object with the same values that you posted. If there were no errors, the BillOfLadingId field will contain a number identifying the Bill of Lading in PITT OHIO's system. If PITT OHIO assigned a pro number to the shipment, its value will be set in the object's PreAssignedPittPro field.

You may post a BillOfLadingParams to the API using one of several MIME content types. For example.

**application/json, text/json**

```
{
  "EmailAddress": "sample string 1",
  "Password": "sample string 2",
  "BillOfLading": {
    "BillOfLadingId": 1,
    "ShipperName": "sample string 2",
    "ShipperAddress": "sample string 3",
    "ShipperAddress2": "sample string 4",
    "ShipperCity": "sample string 5",
    "ShipperState": "sample string 6",
    "ShipperZip": "sample string 7",
    "ShipperContactPhone": "sample string 8",
    "ShipperContactFax": "sample string 9",
    "ShipperContactEmail": "sample string 10",
    "ShipperContactName": "sample string 11",
    "ConsigneeName": "sample string 12",
    "ConsigneeAddress": "sample string 13",
    "ConsigneeAddress2": "sample string 14",
    "ConsigneeCity": "sample string 15",
    "ConsigneeState": "sample string 16",
    "ConsigneeZip": "sample string 17",
    "ConsigneeContactPhone": "sample string 18",
```

```
"ConsigneeContactFax": "sample string 19",
"ConsigneeContactEmail": "sample string 20",
"ConsigneeContactName": "sample string 21",
"ThirdPartyName": "sample string 22",
"ThirdPartyAddress": "sample string 23",
"ThirdPartyAddress2": "sample string 24",
"ThirdPartyCity": "sample string 25",
"ThirdPartyState": "sample string 26",
"ThirdPartyZip": "sample string 27",
"ThirdPartyContactPhone": "sample string 28",
"ThirdPartyContactFax": "sample string 29",
"ThirdPartyContactEmail": "sample string 30",
"ThirdPartyContactName": "sample string 31",
"CodRemitToName": "sample string 32",
"CodRemitToAddress": "sample string 33",
"CodRemitToAddress2": "sample string 34",
"CodRemitToCity": "sample string 35",
"CodRemitToState": "sample string 36",
"CodRemitToZip": "sample string 37",
"CodRemitToPhone": "sample string 38",
"CodRemitToFax": "sample string 39",
"CodRemitToEmail": "sample string 40",
"CodRemitToContact": "sample string 41",
"CodAmount": "sample string 42",
"CodCustomerCheck": "sample string 43",
"CodFee": "sample string 44",
"SpecialInstructions": "sample string 45",
"BolNumber": "sample string 46",
"PoNumber": "sample string 47",
"EmergencyContactInfo": "sample string 48",
"RequesterName": "sample string 49",
"RequesterPhone": "sample string 50",
"RequesterEmail": "sample string 51",
"RequesterRole": "sample string 52",
"PaymentTerms": "sample string 53",
"ShipmentDate": "sample string 54",
"PreAssignedPittPro": "sample string 55",
"Skids": "sample string 56",
"Details": [
  {
    "Pieces": 1,
    "PackageType": "sample string 2",
    "Weight": 3,
    "Hazmat": true,
    "Description": "sample string 5",
    "Class": "sample string 6"
  },
  {
    "Pieces": 1,
    "PackageType": "sample string 2",
    "Weight": 3,
    "Hazmat": true,
    "Description": "sample string 5",
    "Class": "sample string 6"
  }
]
```

```

    ]
  }
}

```

**application/xml, text/xml**

```

<BillOfLadingParams xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <EmailAddress>sample string 1</EmailAddress>
  <Password>sample string 2</Password>
  <BillOfLading>
    <BillOfLadingId>1</BillOfLadingId>
    <ShipperName>sample string 2</ShipperName>
    <ShipperAddress>sample string 3</ShipperAddress>
    <ShipperAddress2>sample string 4</ShipperAddress2>
    <ShipperCity>sample string 5</ShipperCity>
    <ShipperState>sample string 6</ShipperState>
    <ShipperZip>sample string 7</ShipperZip>
    <ShipperContactPhone>sample string 8</ShipperContactPhone>
    <ShipperContactFax>sample string 9</ShipperContactFax>
    <ShipperContactEmail>sample string 10</ShipperContactEmail>
    <ShipperContactName>sample string 11</ShipperContactName>
    <ConsigneeName>sample string 12</ConsigneeName>
    <ConsigneeAddress>sample string 13</ConsigneeAddress>
    <ConsigneeAddress2>sample string 14</ConsigneeAddress2>
    <ConsigneeCity>sample string 15</ConsigneeCity>
    <ConsigneeState>sample string 16</ConsigneeState>
    <ConsigneeZip>sample string 17</ConsigneeZip>
    <ConsigneeContactPhone>sample string 18</ConsigneeContactPhone>
    <ConsigneeContactFax>sample string 19</ConsigneeContactFax>
    <ConsigneeContactEmail>sample string 20</ConsigneeContactEmail>
    <ConsigneeContactName>sample string 21</ConsigneeContactName>
    <ThirdPartyName>sample string 22</ThirdPartyName>
    <ThirdPartyAddress>sample string 23</ThirdPartyAddress>
    <ThirdPartyAddress2>sample string 24</ThirdPartyAddress2>
    <ThirdPartyCity>sample string 25</ThirdPartyCity>
    <ThirdPartyState>sample string 26</ThirdPartyState>
    <ThirdPartyZip>sample string 27</ThirdPartyZip>
    <ThirdPartyContactPhone>sample string 28</ThirdPartyContactPhone>
    <ThirdPartyContactFax>sample string 29</ThirdPartyContactFax>
    <ThirdPartyContactEmail>sample string 30</ThirdPartyContactEmail>
    <ThirdPartyContactName>sample string 31</ThirdPartyContactName>
    <CodRemitToName>sample string 32</CodRemitToName>
    <CodRemitToAddress>sample string 33</CodRemitToAddress>
    <CodRemitToAddress2>sample string 34</CodRemitToAddress2>
    <CodRemitToCity>sample string 35</CodRemitToCity>
    <CodRemitToState>sample string 36</CodRemitToState>
    <CodRemitToZip>sample string 37</CodRemitToZip>
    <CodRemitToPhone>sample string 38</CodRemitToPhone>
    <CodRemitToFax>sample string 39</CodRemitToFax>
    <CodRemitToEmail>sample string 40</CodRemitToEmail>
    <CodRemitToContact>sample string 41</CodRemitToContact>
    <CodAmount>sample string 42</CodAmount>
    <CodCustomerCheck>sample string 43</CodCustomerCheck>
    <CodFee>sample string 44</CodFee>
    <SpecialInstructions>sample string 45</SpecialInstructions>

```

```
<BolNumber>sample string 46</BolNumber>
<PoNumber>sample string 47</PoNumber>
<EmergencyContactInfo>sample string 48</EmergencyContactInfo>
<RequesterName>sample string 49</RequesterName>
<RequesterPhone>sample string 50</RequesterPhone>
<RequesterEmail>sample string 51</RequesterEmail>
<RequesterRole>sample string 52</RequesterRole>
<PaymentTerms>sample string 53</PaymentTerms>
<ShipmentDate>sample string 54</ShipmentDate>
<PreAssignedPittPro>sample string 55</PreAssignedPittPro>
<Skids>sample string 56</Skids>
<Details>
  <BillOfLadingDetail>
    <Pieces>1</Pieces>
    <PackageType>sample string 2</PackageType>
    <Weight>3</Weight>
    <Hazmat>true</Hazmat>
    <Description>sample string 5</Description>
    <Class>sample string 6</Class>
  </BillOfLadingDetail>
  <BillOfLadingDetail>
    <Pieces>1</Pieces>
    <PackageType>sample string 2</PackageType>
    <Weight>3</Weight>
    <Hazmat>true</Hazmat>
    <Description>sample string 5</Description>
    <Class>sample string 6</Class>
  </BillOfLadingDetail>
</Details>
</BillOfLading>
</BillOfLadingParams>
```

### application/x-www-form-urlencoded

```
emailAddress=sample string 1&password=sample string 2& \
billOfLading[billOfLadingId]=1& \
billOfLading[shipperName]=sample string 2& \
billOfLading[shipperAddress]=sample string 3& \
billOfLading[shipperAddress2]=sample string 4& \
billOfLading[shipperCity]=sample string 5& \
billOfLading[shipperState]=sample string 6& \
billOfLading[shipperZip]=sample string 7& \
billOfLading[shipperContactPhone]=sample string 8& \
billOfLading[shipperContactFax]=sample string 9& \
billOfLading[shipperContactEmail]=sample string 10& \
billOfLading[shipperContactName]=sample string 11& \
billOfLading[consigneeName]=sample string 12& \
billOfLading[consigneeAddress]=sample string 13& \
billOfLading[consigneeAddress2]=sample string 14& \
billOfLading[consigneeCity]=sample string 15& \
billOfLading[consigneeState]=sample string 16& \
billOfLading[consigneeZip]=sample string 17& \
billOfLading[consigneeContactPhone]=sample string 18& \
billOfLading[consigneeContactFax]=sample string 19& \
billOfLading[consigneeContactEmail]=sample string 20& \
```

```
billOfLading[consigneeContactName]=sample string 21& \  
billOfLading[thirdPartyName]=sample string 22& \  
billOfLading[thirdPartyAddress]=sample string 23& \  
billOfLading[thirdPartyAddress2]=sample string 24& \  
billOfLading[thirdPartyCity]=sample string 25& \  
billOfLading[thirdPartyState]=sample string 26& \  
billOfLading[thirdPartyZip]=sample string 27& \  
billOfLading[thirdPartyContactPhone]=sample string 28& \  
billOfLading[thirdPartyContactFax]=sample string 29& \  
billOfLading[thirdPartyContactEmail]=sample string 30& \  
billOfLading[thirdPartyContactName]=sample string 31& \  
billOfLading[codRemitToName]=sample string 32& \  
billOfLading[codRemitToAddress]=sample string 33& \  
billOfLading[codRemitToAddress2]=sample string 34& \  
billOfLading[codRemitToCity]=sample string 35& \  
billOfLading[codRemitToState]=sample string 36& \  
billOfLading[codRemitToZip]=sample string 37& \  
billOfLading[codRemitToPhone]=sample string 38& \  
billOfLading[codRemitToFax]=sample string 39& \  
billOfLading[codRemitToEmail]=sample string 40& \  
billOfLading[codRemitToContact]=sample string 41& \  
billOfLading[codAmount]=sample string 42& \  
billOfLading[codCustomerCheck]=sample string 43& \  
billOfLading[codFee]=sample string 44& \  
billOfLading[specialInstructions]=sample string 45& \  
billOfLading[bolNumber]=sample string 46& \  
billOfLading[poNumber]=sample string 47& \  
billOfLading[emergencyContactInfo]=sample string 48& \  
billOfLading[requesterName]=sample string 49& \  
billOfLading[requesterPhone]=sample string 50& \  
billOfLading[requesterEmail]=sample string 51& \  
billOfLading[requesterRole]=sample string 52& \  
billOfLading[paymentTerms]=sample string 53& \  
billOfLading[shipmentDate]=sample string 54& \  
billOfLading[preAssignedPittPro]=sample string 55  
billOfLading[Skids]=sample string 56
```

```
billOfLading[details][0][pieces]=1& \  
billOfLading[details][0][packageType]=sample string 2& \  
billOfLading[details][0][weight]=3& \  
billOfLading[details][0][hazmat]=true& \  
billOfLading[details][0][description]=sample string 5& \  
billOfLading[details][0][class]=sample string 6& \  
billOfLading[details][1][pieces]=1& \  
billOfLading[details][1][packageType]=sample string 2& \  
billOfLading[details][1][weight]=3& \  
billOfLading[details][1][hazmat]=true& \  
billOfLading[details][1][description]=sample string 5& \  
billOfLading[details][1][class]=sample string 6
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  xmlns:xsd="http://www.w3.org/2001/XMLSchema">  
  <BillOfLading>  
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    <ShipperName>Shipper Name</ShipperName>
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<ShipperCity>Pittsburgh</ShipperCity>
<ShipperState>PA</ShipperState>
<ShipperZip>15222</ShipperZip>
<ShipperContactPhone>412-555-1212</ShipperContactPhone>
<ShipperContactEmail>ccontact@example.com</ShipperContactEmail>
<ShipperContactName>Connie Contact</ShipperContactName>
<ConsigneeName>Consignee Name</ConsigneeName>
<ConsigneeAddress>1102 N 44th St</ConsigneeAddress>
<ConsigneeCity>Lincoln</ConsigneeCity>
<ConsigneeState>NE</ConsigneeState>
<ConsigneeZip>68501</ConsigneeZip>
<ConsigneeContactPhone>402-555-1212</ConsigneeContactPhone>
<ConsigneeContactEmail>cconsignee@example.com</ConsigneeContactEmail>
<ConsigneeContactName>Carl Consignee</ConsigneeContactName>
<ThirdPartyName>Third Party</ThirdPartyName>
<ThirdPartyAddress>3 Party St</ThirdPartyAddress>
<ThirdPartyCity>Pittsburgh</ThirdPartyCity>
<ThirdPartyState>PA</ThirdPartyState>
<ThirdPartyZip>15222</ThirdPartyZip>
<ThirdPartyContactPhone>724-555-1212</ThirdPartyContactPhone>
<ThirdPartyContactEmail>three@example.com</ThirdPartyContactEmail>
<ThirdPartyContactName>Thom Three</ThirdPartyContactName>
<CodCustomerCheck>NA</CodCustomerCheck>
<CodFee>NA</CodFee>
<PoNumber>abc123</PoNumber>
<RequesterRole>shipper</RequesterRole>
<PaymentTerms>PPD</PaymentTerms>
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    <PackageType>gaylords</PackageType>
    <Weight>100</Weight>
    <Hazmat>>false</Hazmat>
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    <Class>50</Class>
  </BillOfLadingDetail>
  <BillOfLadingDetail>
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    <Weight>0</Weight>
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