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# eShipPlus REST API

Version 4.x.x.x

Developers Technical Documentation.



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# 1. Introduction

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The implementation of Logistics Plus eShipPlusWS product enables your company to fully realize the extensive rating features of a reliable and accurate rating engine. This solution simplifies your rate comparisons and rating activities whilst offering you the advantage of the Logistics Plus volume discounts from several national carriers.

Why eShipPlus RESTful Web Services?

- Easy integration
- Work in your familiar environment without the need to use another application UI
- Logistics Plus maintains rating engine

Please note, Logistics Plus Inc, provider of eShipPlus and the eShipPlusWS, reserves the right to change, update, and alter implementation of said service. However, taking into considering other production systems that might have this service as part of its implementation, we will provide updates prior to implementation of any changes/alteration and afford our valuable clients every opportunity within reason to properly prepare for said changes. We thank you for your understanding as we continue to improve and better the system for your benefit.

## 1.1 Manual Usage

This manual is intended for technical users tasked with developing an interface or the integration of an existing application to eShipPlusWS. While every effort is made to keep this manual current, there are continuous improvements being made with the intention of providing you even better service. The base eShipPlus REST endpoints are located at:

Test: <https://cloudstaging.eshipplus.com/services/rest/>

Production: <http://www.eshipplus.com/services/rest/>



## 1.2 System Requirements and Service Performance

Any system capable of using a REST webservice over HTTPS may utilize the eShipPlusWS. HTTP communication is supported, but unrecommended as user credentials are transmitted for authentication.

### 1.2.1 Bandwidth

It is important to ensure adequate bandwidth resources are available for your organizations web traffic needs. Limited bandwidth will result in sub-par performance when making web calls to the service.

In the following use case, we consider an organization with 20 TMS system users that require rate information from a TMS system that is integrated with eShipPlus.v4.0.x.x within 2 seconds.

Approximate size of upload request when calling Rate method = 2.07 Kb

Approximate size of download response object from call to Rate method = 16.6 Kb

Required upload bandwidth rate

= (request size) \* (concurrent users) / (number of seconds)

= 2.07 Kb \* 20 / 2 s = 20.7 Kbps

Required download bandwidth rate

= (response size) \* (concurrent users) / (number of seconds)

= 16.6 Kb \* 20 / 2 s = 166 Kbps

This organization will require a bandwidth network service that can support 20.7 Kbps upload and 166 Kbps download in addition to any other network bandwidth utilization.

### 1.2.1 Service Performance

A Typical round trip for a Rate service call using eShipPlus WS v4.0.x.x will take less than 8 seconds provided there is adequate bandwidth for the service call.



## 1.3 Functional Overview

METHOD	PURPOSE
GetAccessorialServices	Returns a list of accessorial services available.
GetLTLFreightClasses	Returns a list of LTL freight classes. This is the standard industry list ranging from class 50 through 500.
GetItemPackaging	Returns a list of packaging types (e.g. Pallets, Boxes) for item packaging designation.
GetCountries	Returns a list of countries with their corresponding country codes.
GetTimes	Returns a list of time objects (military time format). These range from 00:00 through 23:45 in 15 minute increments.
GetInputOptions	This method combines the returned values of GetAccessorialServices, GetLTLFreightClasses, GetItemPackaging, GetCountries and GetTimes into one object return.
GetCustomerCustomReferences	If the customer has elected the option, this method returns a list of custom field references setup for a specific customer account required for shipping purposes.
AddPONumber	Allows the addition of a purchase order number to a customer's list of purchase order numbers used for shipping purposes if the customer has elected this option.
AddPONumbers	Allows the addition of multiple purchase order numbers at the same time. Limit is 1000 per request call.
RetrievePONumber	Returns a simple purchase order number for a specific customer account.
UpdatePONumber	Allows the update of an existing purchase order number record.
DeletePONumber	Remove a purchase order number record for the specific customer account.
SubmitBookingRequest	Allows a client to submit a load to the operations department for cover.
GetBookingRequestStatus	Retrieves the current status of a specific booking request record.



RequestBookingRequestCancellation	Allows the client to request the cancellation of a submitted booking request.
Rate	Rates a shipment configuration returning the rated configuration along with available rates.
Book	Books a rated shipment.
GetShipmentStatus	Retrieves the status of a specific shipment record.
GetShipmentStatusCondensed	Retrieves the condensed status of a specific shipment record.
GetShipmentDocument	Retrieves a document from a quote or shipment.
RequestShipmentCancellation	Allows the client to request the cancellation of a submitted shipment record.
GetInvoice	Retrieves an invoice record.
GetInvoicesByDueDate	Retrieves invoice records within a specific due date range.
GetInvoicesByDate	Retrieves invoice records within a specified date range.
GetInvoicesForShipment	Retrieves invoice records for a specified shipment record.
SaveQuote	Saves a quote to the system.
ConvertQuoteToShipment	Converts a previously saved quote into a shipment.
UpdateVendorProNumber	Updates the PRO number of a vendor on a shipment.

## 1.4 Authentication

Every service request received is authenticated in eShipPlusWS. The service consumer must place a Base-64 Encoded JSON string in a “**eShipPlusAuth**” header. The JSON format is as follows:

**Content-Type:** application/json

```
{
  "UserName": "test",
  "Password": "password123",
  "AccessKey": "00000000-0000-0000-0000-000000000000",
  "AccessCode": "AccessCode"
}
```



## 2. eShipPlusWS Web Services

### 2.1 GetAccessorialServices

#### 2.1.1 URL

Method: POST or GET  
URL: /GetAccessorialServices.aspx

#### 2.1.2 Description

This method provides a list of the accessorials available in eShipPlus.

#### 2.1.3 Input

Empty String.

#### GetAccessorialServices Request


#### 2.1.4 Output

```
{
  [ {
    "BillingCode": "BillingCode",
    "ServiceCode": "ServiceCode",
    "ServiceDescription": "ServiceDescription",
    "ContainsErrorMessage": "ContainsErrorMessage",
    "Messages": [ {
      "Type": "Type",
      "Value": "Value"
    } ]
  } ]
}
```





**GetAccessorialServices Response**

Field	Type	Returned	Description
<b>WSAccessorialService.BillingCode</b>	String	Always	Accessorial billing code.
<b>WSAccessorialService.ServiceCode</b>	String	Always	Accessorial Service code.
<b>WSAccessorialService.ServiceDescription</b>	String	Always	Accessorial service description.
<b>WSAccessorialService.ContainsErrorMessage</b>	Boolean	Always	True if WSAccessorialService.Messages contains at least one error message. False otherwise.
<b>WSAccessorialService.Messages</b>	Complex (multiple)	Conditional	Zero or more returned if there are messages. Can be null.
<b>WSAccessorialService.Messages.Value</b>	String	Always	Message value.
<b>WSAccessorialService.Messages.Type</b>	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, 3 for Null

## 2.2 GetLTLFreightClasses

### 2.2.1 URL

Method: POST or GET  
URL: /GetLTLFreightClasses.aspx

### 2.2.2 Description

This method provides the standard LTL Freight class list.

### 2.2.3 Input

Empty String.

**GetLTLFreightClasses Request**

--	--	--	--



2.2.4 Output

```
{
  [ {
    "FreightClass": "FreightClass",
    "ContainsErrorMessage": "ContainsErrorMessage",
    "Messages": [ {
      "Type": "Type",
      "Value": "Value"
    } ]
  } ]
}
```

GetLTLFreightClasses Response

Field	Type	Returned	Description
WSFreightClass.FreightClass	Double	Always	Standard freight class values ranging from 50 through 500.
WSFreightClass.ContainsErrorMessage	Boolean	Always	True if WSAccessorialService.Messages contains at least one error message. False otherwise.
WSFreightClass.Messages	Complex (multiple)	Conditional	Zero or more returned if there are messages. Can be null.
WSFreightClass.Messages.Value	String	Always	Message value.
WSFreightClass.Messages.Type	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and 3 for Null.

2.3 GetItemPackaging

2.3.1 URL

Method: POST or GET  
URL: /GetItemPackaging.aspx

2.3.2 Description

This method returns a list of item package types required for items submitted to services.

2.3.3 Input

Empty String.

GetItemPackaging Request


2.3.4 Output

```
{
  [ {
    "Key": "Key",
    "PackageName": "PackageName",
    "DefaultLength": "DefaultLength",
    "DefaultHeight": "DefaultHeight",
    "DefaultWidth": "DefaultWidth",
    "ContainsErrorMessage": "ContainsErrorMessage",
    "Messages": [ {
      "Type": "Type",
      "Value": "Value"
    } ]
  } ]
}
```

GetItemPackaging Response

Field	Type	Returned	Description
WSItemPackage.Key	Long	Always	Key identifier.
WSItemPackage.PackageName	String	Always	Descriptive name of packaging type.
WSItemPackage.DefaultLength	Decimal	Conditional	Default length if present and applicable. Default value is zero.
WSItemPackage.DefaultHeight	Decimal	Conditional	Default height if present and applicable. Default value is zero.
WSItemPackage.DefaultWidth	Decimal	Conditional	Default width if present and applicable. Default value is zero.
WSItemPackage.ContainsErrorMessage	Boolean	Always	True if WSItemPackage.Messages contains at least one error message. False otherwise.
WSItemPackage.Messages	Complex (multiple)	Conditional	Zero or more returned if there are messages. Can be null.

WSItemPackage.Messages.Value	String	Always	Message value.
WSItemPackage.Messages.Type	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and 3 for Null.

## 2.4 GetCountries

### 2.4.1 URL

Method: POST or GET  
URL: /GetCountries.aspx

### 2.4.2 Description

This method returns a list of countries with corresponding country codes required for location objects country values.

### 2.4.3 Input

Empty String.

#### GetCountries Request


### 2.4.4 Output

```
{
  [ {
    "Code": "Code",
    "Name": "Name",
    "UsesPostalCode": "UsesPostalCode",
    "ContainsErrorMessage": "ContainsErrorMessage",
    "Messages": [ {
      "Type": "Type",
      "Value": "Value"
    } ]
  } ]
}
```

**GetCountries Response**

Field	Type	Returned	Description
<b>WSCountry.Code</b>	String	Always	Country code.
<b>WSCountry.Name</b>	String	Always	Country name
<b>WSCountry .UsesPostalCode</b>	Boolean	Always	Indicates whether or not country utilizes postal codes (or zips) in addresses.
<b>WSCountry .ContainsErrorMessage</b>	Boolean	Always	True if WSCountry.Messages contains at least one error message. False otherwise.
<b>WSCountry .Messages</b>	Complex (multiple)	Conditional	Zero or more returned if there are messages. Can be null.
<b>WSCountry .Messages.Value</b>	String	Always	Message value.
<b>WSCountry .Messages.Type</b>	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and 3 for Null.

## 2.5 GetTimes

### 2.5.1 URL

Method: POST or GET  
URL: /GetTimes.aspx

### 2.5.2 Description

This method returns a list of time objects required for early and late pickup and delivery time values. Values range from 00:00 to 23:45 in 15 minute increments.

### 2.5.3 Input

Empty String.

**GetTimes Request**




## 2.5.4 Output

```
{
  [ {
    "Time": "Time",
    "ContainsErrorMessage": "ContainsErrorMessage",
    "Messages": [ {
      "Type": "Type",
      "Value": "Value"
    } ]
  } ]
}
```

### GetTimes Response

Field	Type	Returned	Description
<b>WSTime.Time</b>	String	Always	Time values ranging from 00:00 to 23:45 in 15 minute increments
<b>WSTime.ContainsErrorMessage</b>	Boolean	Always	True if WSTime.Messages contains at least one error message. False otherwise.
<b>WSTime.Messages</b>	Complex (multiple)	Conditional	Zero or more returned if there are messages. Can be null.
<b>WSTime.Messages.Value</b>	String	Always	Message value.
<b>WSTime.Messages.Type</b>	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and 3 for Null.

## 2.6 GetInputOptions

### 2.6.1 URL

Method: POST or GET  
URL: /GetInputOptions.aspx

### 2.6.2 Description

This method combines the returned values of GetAccessorialServices, GetLTLFreightClasses, GetItemPackaging, GetCountries and GetTimes into one object return.



2.6.3 Input

Empty String.

GetInputOptions Request


2.6.4 Output

```
{
  "AccessorialServices": [{
    "BillingCode": "BillingCode",
    "ServiceCode": "ServiceCode",
    "ServiceDescription": "ServiceDescription"
  }],
  "LTTLFreightClasses": [{
    "FreightClass": "FreightClass"
  }],
  "ItemPackaging": [{
    "Key": "Key",
    "PackageName": "PackageName",
    "DefaultLength": "DefaultLength",
    "DefaultHeight": "DefaultHeight",
    "DefaultWidth": "DefaultWidth"
  }],
  "Countries": [{
    "Code": "Code",
    "Name": "Name",
    "UsesPostalCode": "UsesPostalCode"
  }],
  "Times": [{
    "Time": "Time"
  }],
  "ContainsErrorMessage": "ContainsErrorMessage",
  "Messages": [{
    "Type": "Type",
    "Value": "Value"
  }]
}
```



## GetInputOptions Response

Field	Type	Returned	Description
<b>WSInputOptions .WSAccessorialService</b>	Complex (multiple)	Conditional	Zero or more return if present. Can be null.
<b>WSInputOptions .WSAccessorialService. BillingCode</b>	String	Always	Accessorial billing code.
<b>WSInputOptions .WSAccessorialService. ServiceCode</b>	String	Always	Accessorial Service code.
<b>WSInputOptions .WSAccessorialService. ServiceDescription</b>	String	Always	Accessorial service description.
<b>WSInputOptions .WSLTLFreightClass</b>	Complex (multiple)	Conditional	Zero or more return if present. Can be null.
<b>WSInputOptions .WSFreightClass. FreightClass</b>	Double	Always	Standard freight class values ranging from 50 through 500.
<b>WSInputOptions .WSItemPackaging</b>	Complex (multiple)	Conditional	Zero or more return if present. Can be null.
<b>WSInputOptions .WSItemPackage.Key</b>	Long	Always	Key identifier.
<b>WSInputOptions .WSItemPackage .PackageName</b>	String	Always	Descriptive name of packaging type.
<b>WSInputOptions .WSItemPackage .DefaultLength</b>	Decimal	Conditional	Default length if present and applicable. Default value is zero
<b>WSInputOptions .WSItemPackage .DefaultHeight</b>	Decimal	Conditional	Default height if present and applicable. Default value is zero
<b>WSInputOptions .WSItemPackage .DefaultWidth</b>	Decimal	Conditional	Default width if present and applicable. Default value is zero.
<b>WSInputOptions .WSCountry</b>	Complex (multiple)	Conditional	Zero or more return if present. Can be null.
<b>WSInputOptions .WSCountry.Code</b>	String	Always	Country code.
<b>WSInputOptions .WSCountry.Name</b>	String	Always	Country name
<b>WSInputOptions .WSCountry .UsesPostalCode</b>	Boolean	Always	Indicates whether or not country utilizes postal codes (or zips) in addresses.
<b>WSInputOptions .WSTime</b>	Complex (multiple)	Conditional	Zero or more return if present. Can be null.
<b>WSInputOptions .WSTime.Time</b>	String	Always	Time values ranging from 00:00 to 23:45 in 15 minute increments





<b>WSInputOptions.ContainsErrorMessage</b>	Boolean	Always	True if WSAccessorialService.Messages contains at least one error message. False otherwise.
<b>WSInputOptions.Messages</b>	Complex (multiple)	Conditional	Zero or more returned if there are messages. Can be null.
<b>WSInputOptions.Messages.Value</b>	String	Always	Message value.
<b>WSInputOptions.Messages.Type</b>	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and 3 for Null.

## 2.7 GetCustomerCustomReferences

### 2.7.1 URL

Method: POST or GET

URL: /GetCustomerCustomReferences.aspx

### 2.7.2 Description

If the customer has elected the option, this method returns a list of custom field references setup for a specific customer account required for shipping purposes.

### 2.7.3 Input

Empty String.

#### GetCustomerCustomReferences Request




## 2.7.4 Output

```
{
  [ {
    "Name": "Name",
    "Value": "Value",
    "Required": "Required",
    "ContainsErrorMessage": "ContainsErrorMessage",
    "Messages": [ {
      "Type": "Type",
      "Value": "Value"
    } ]
  } ]
}
```

### GetCustomerCustomReferences Response

Field	Type	Returned	Description
<b>WSReference .Name</b>	String	Always	Reference field name.
<b>WSReference .Value</b>	String	Never	Field is always blank.
<b>WSReference .Required</b>	Boolean	Always	Indicates that the field is required or otherwise.
<b>WSReference. ContainsErrorMessage</b>	Boolean	Always	True if WSReference.Messages contains at least one error message. False otherwise.
<b>WSReference.Messages</b>	Complex (multiple)	Conditional	Zero or more returned if there are messages. Can be null.
<b>WSReference.Messages.Value</b>	String	Always	Message value.
<b>WSReference.Messages.Type</b>	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and 3 for Null.

## 2.8 AddPONumber

### 2.8.1 URL

Method: POST  
 URL: /AddPONumber.aspx



## 2.8.2 Description

Allows the addition of a purchase order number to a customer's list of purchase order numbers used for shipping purposes if the customer has elected this option.

## 2.8.3 Input

```
{
  "PONumber": "PONumber",
  "ValidPostalCode": "ValidPostalCode",
  "Validity": "Validity",
  "MaximumUses": "MaximumUses",
  "CurrentUses": "CurrentUses",
  "ExpirationDate": "ExpirationDate",
  "AdditionalPurchaseOrderNotes": "AdditionalPurchaseOrderNotes",
  "Country": {
    "Code": "Code",
    "Name": "Name",
    "UsesPostalCode": "UsesPostalCode"
  }
}
```

### AddPONumber Request

Field	Type	Required/ Optional	Description
<b>WSCustomerPONumber</b> <b>.PONumber</b>	String	Required	Purchase order number. Maximum length 50 characters.
<b>WSCustomerPONumber</b> <b>.ValidPostalCode</b>	String	Required	For validation purposes. Postal code for which purchase order is valid. Maximum length 10 characters
<b>WSCustomerPONumber</b> <b>.Validity</b>	Enum	Required	PONumberValidity: 0 for Origin or 1 for Destination. Designates what location to validate purchase order against.
<b>WSCustomerPONumber</b> <b>.MaximumUses</b>	Int	Required	Maximum number of times purchase order can be used.
<b>WSCustomerPONumber</b> <b>.CurrentUses</b>	Int	Required	Current number of times purchase order has been used. This field will be updated in the system as purchase order is used.
<b>WSCustomerPONumber</b> <b>.ExpirationDate</b>	DateTime	Required	Expiration date of purchase order number. Must be between 1/1/1753 and 12/31/9999.
<b>WSCustomerPONumber</b> <b>.AdditionalPurchaseOrderNotes</b>	String	Optional	Notes fields. Maximum length 50 characters.



WSCustomerPONumber .Country	Complex	Required	Postal code country for which purchase order is valid. Use one of the countries retrieved from service. See section 2.4 or 2.6.
WSCustomerPONumber .Country.Code	String	Required	Country code.
WSCustomerPONumber .Country.Name	String	Optional	Country name.
WSCustomerPONumber .Country.UsesPostalCode	Boolean	Optional	Indicates usage of postal code.
WSCustomerPONumber .ContainsErrorMessage	Boolean		Ignored on request.
WSCustomerPONumber .Messages	Complex (multiple)		Ignored on request.

### 2.8.4 Output

```
{
  "ContainsErrorMessage": "ContainsErrorMessage",
  "Messages": [{
    "Type": "Type",
    "Value": "Value"
  }]
}
```

### AddPONumber Response

Field	Type	Returned	Description
WSReturn. ContainsErrorMessage	Boolean	Always	True if Messages contains at least one error message. False otherwise.
WSReturn.Messages	Complex (multiple)	Always	
WSReturn.Messages.Value	String	Always	Message value.
WSReturn.Messages.Type	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and 3 for Null.



## 2.9 AddPONumbers

### 2.9.1 URL

Method: POST  
URL: /AddPONumbers.aspx

### 2.9.2 Description

Allows the addition of multiple purchase order numbers to a customer's list of purchase order numbers used for shipping purposes if the customer has elected this option. Maximum number per call to method is 1000.

### 2.9.3 Input

```
{
  [ {
    "PONumber": "PONumber",
    "ValidPostalCode": "ValidPostalCode",
    "Validity": "0",
    "MaximumUses": "MaximumUses",
    "CurrentUses": "CurrentUses",
    "ExpirationDate": "ExpirationDate",
    "AdditionalPurchaseOrderNotes": "AdditionalPurchaseOrderNotes",
    "Country": {
      "Code": "Code",
      "Name": "Name",
      "UsesPostalCode": "UsesPostalCode"
    }
  ]
}
```

#### AddPONumbers Request

Field	Type	Required/ Optional	Description
WSCustomerPONumber	Complex (multiple)	Required	Maximum count is 1000.
WSCustomerPONumber .PONumber	String	Required	Purchase order number. Maximum length 50 characters.
WSCustomerPONumber .ValidPostalCode	String	Required	For validation purpose. Postal code for which purchase order is valid. Maximum length 10 characters



<b>WSCustomerPONumber</b> <b>.Validity</b>	Enum	Required	PONumberValidity: 0 for Origin or 1 for Destination. Designates what location to validate purchase order against.
<b>WSCustomerPONumber</b> <b>.MaximumUses</b>	Int	Required	Maximum number of times purchase order can be used.
<b>WSCustomerPONumber</b> <b>.CurrentUses</b>	Int	Required	Current number of times purchase order has been used. This field will be updated in the system as purchase order is used.
<b>WSCustomerPONumber</b> <b>.ExpirationDate</b>	DateTime	Required	Expiration date of purchase order number. Must be between 1/1/1753 and 12/31/9999.
<b>WSCustomerPONumber</b> <b>.AdditionalPurchaseOrderNotes</b>	String	Optional	Notes fields. Maximum length 50 characters.
<b>WSCustomerPONumber</b> <b>.Country</b>	Complex	Required	Postal code country for which purchase order is valid. Use one of the countries retrieved from service. See section 2.4 or 2.6.
<b>WSCustomerPONumber</b> <b>.Country.Code</b>	String	Required	Country code.
<b>WSCustomerPONumber</b> <b>.Country.Name</b>	String	Optional	Country name.
<b>WSCustomerPONumber</b> <b>.Country.UsesPostalCode</b>	Boolean	Optional	Indicates usage of postal code.
<b>WSCustomerPONumber</b> <b>.ContainsErrorMessage</b>	Boolean		Ignored on request.
<b>WSCustomerPONumber</b> <b>.Messages</b>	Complex (multiple)		Ignored on request.

### 2.9.4 Output

```
{
  "ContainsErrorMessage": "ContainsErrorMessage",
  "Messages": [{
    "Type": "Type",
    "Value": "Value"
  }]
}
```

### AddPONumbers Response



Field	Type	Returned	Description
<b>WSReturn.ContainsErrorMessage</b>	Boolean	Always	True if Messages contains at least one error message. False otherwise.
<b>WSReturn.Messages</b>	Complex (multiple)	Always	
<b>WSReturn.Messages.Value</b>	String	Always	Message value.
<b>WSReturn.Messages.Type</b>	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and 3 for Null.

## 2.10 RetrievePONumber

### 2.10.1 URL

Method: POST  
URL: /RetrievePONumber.aspx

### 2.10.2 Description

Returns a simple purchase order number for a specific customer account.

### 2.10.3 Input

```
{  
    "poNumber"  
}
```

#### RetrievePONumber Request

Field	Type	Required/Optional	Description
<b>poNumber</b>	String	Required	Purchase order number of record to be retrieved.

### 2.10.4 Output

```
{  
    "PONumber": "PONumber",  
    "ValidPostalCode": "ValidPostalCode",  
    "Validity": "0",  
    "MaximumUses": "MaximumUses",  
    "CurrentUses": "CurrentUses",  
    "ExpirationDate": "ExpirationDate",  
}
```



```

    "AdditionalPurchaseOrderNotes": "AdditionalPurchaseOrderNotes",
    "Country": {
        "Code": "Code",
        "Name": "Name",
        "UsesPostalCode": "UsesPostalCode"
    }
    "ContainsErrorMessage": "ContainsErrorMessage",
    "Messages": [{
        "Type": "Type",
        "Value": "Value"
    }]
}

```

### RetrievePONumber Response

Field	Type	Returned	Description
<b>WSCustomerPONumber</b>	Complex	Always	
<b>WSCustomerPONumber</b> <b>.PONumber</b>	String	Always	Purchase order number.
<b>WSCustomerPONumber</b> <b>.ValidPostalCode</b>	String	Always	Postal code for which purchase order is valid.
<b>WSCustomerPONumber</b> <b>.Validity</b>	Enum	Always	PONumberValidity: 0 for Origin or 1 for Destination. Designates what location to validate purchase order against.
<b>WSCustomerPONumber</b> <b>.MaximumUses</b>	Int	Always	Maximum number of times purchase order can be used.
<b>WSCustomerPONumber</b> <b>.CurrentUses</b>	Int	Always	Current number of times purchase order has been used. This field will be updated in the system as purchase order is used.
<b>WSCustomerPONumber</b> <b>.AdditionalPurchaseOrderNotes</b>	String	Conditional	If present.
<b>WSCustomerPONumber</b> <b>.Country</b>	Complex	Always	Postal code country for which purchase order is valid. Use one of the countries retrieved from service. See section 2.4 or 2.6.
<b>WSCustomerPONumber</b> <b>.Country.Code</b>	String	Always	Country code.
<b>WSCustomerPONumber</b> <b>.Country.Name</b>	String	Always	Country name.





<b>WSCustomerPONumber.Country.UsesPostalCode</b>	Boolean	Always	Indicates usage of postal code.
<b>WSCustomerPONumber.ExpirationDate</b>	DateTime	Always	Expiration date of purchase order number.
<b>WSCustomerPONumber.ContainsErrorMessage</b>	Boolean	Always	True if Messages contains at least one error message. False otherwise.
<b>WSCustomerPONumber.Messages</b>	Complex (multiple)	Conditional	If there are messages.
<b>WSCustomerPONumber.Messages.Value</b>	String	Always	Message value.
<b>WSCustomerPONumber.Messages.Type</b>	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and 3 for Null.

## 2.11 UpdatePONumber

### 2.11.1 URL

Method: POST

URL: /UpdatePONumber.aspx

### 2.11.2 Description

Allows the update of an existing purchase order number record.

### 2.11.3 Input

```
{
  "PONumber": "PONumber",
  "ValidPostalCode": "ValidPostalCode",
  "Validity": "0",
  "MaximumUses": "MaximumUses",
  "CurrentUses": "CurrentUses",
  "ExpirationDate": "ExpirationDate",
  "AdditionalPurchaseOrderNotes": "AdditionalPurchaseOrderNotes",
  "Country": {
    "Code": "Code",
    "Name": "Name",
    "UsesPostalCode": "UsesPostalCode"
  }
}
```

### UpdatePONumber Request



Field	Type	Required/ Optional	Description
<b>WSCustomerPONumber</b> <b>.PONumber</b>	String	Required	Purchase order number to be updated. Maximum length 50 characters.
<b>WSCustomerPONumber</b> <b>.ValidPostalCode</b>	String	Required	For validation purpose. Postal code for which purchase order is valid. Maximum length 10 characters
<b>WSCustomerPONumber</b> <b>.Validity</b>	Enum	Required	PONumberValidity: 0 for Origin or 1 for Destination. Designates what location to validate purchase order against.
<b>WSCustomerPONumber</b> <b>.MaximumUses</b>	Int	Required	Maximum number of times purchase order can be used.
<b>WSCustomerPONumber</b> <b>.CurrentUses</b>	Int	Required	Current number of times purchase order has been used. This field will be updated in the system as purchase order is used.
<b>WSCustomerPONumber</b> <b>.ExpirationDate</b>	DateTime	Required	Expiration date of purchase order number. Must be between 1/1/1753 and 12/31/9999.
<b>WSCustomerPONumber</b> <b>.AdditionalPurchaseOrderNotes</b>	String	Optional	Notes fields. Maximum length 50 characters.
<b>WSCustomerPONumber</b> <b>.Country</b>	Complex	Required	Postal code country for which purchase order is valid. Use one of the countries retrieved from service. See section 2.4 or 2.6.
<b>WSCustomerPONumber</b> <b>.Country.Code</b>	String	Required	Country code.
<b>WSCustomerPONumber</b> <b>.Country.Name</b>	String	Optional	Country name.
<b>WSCustomerPONumber</b> <b>.Country.UsesPostalCode</b>	Boolean	Optional	Indicates usage of postal code.

### 2.11.4 Output

```
{
  "ContainsErrorMessage": "ContainsErrorMessage",
  "Messages": [{
    "Type": "Type",
    "Value": "Value"
  }]
}
```

### UpdatePONumber Response



Field	Type	Returned	Description
<b>WSReturn.ContainsErrorMessage</b>	Boolean	Always	True if Messages contains at least one error message. False otherwise.
<b>WSReturn.Messages</b>	Complex (multiple)	Always	
<b>WSReturn.Messages.Value</b>	String	Always	Message value.
<b>WSReturn.Messages.Type</b>	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and 3 for Null.

## 2.12 DeletePONumber

### 2.12.1 URL

Method: POST  
URL: /DeletePONumber.aspx

### 2.12.2 Description

Remove a purchase order number record for the specific customer account.

### 2.12.3 Input

```
{  
    "poNumber"  
}
```

#### DeletePONumber Request

Field	Type	Required/Optional	Description
<b>poNumber</b>	String	Required	Purchase order number of record to delete.

### 2.12.4 Output

```
{  
    "ContainsErrorMessage": "ContainsErrorMessage",  
    "Messages": [{  
        "Type": "Type",  
        "Value": "Value"  
    }]  
}
```



### DeletePONumber Response

Field	Type	Returned	Description
<b>WSReturn.ContainsErrorMessage</b>	Boolean	Always	True if Messages contains at least one error message. False otherwise.
<b>WSReturn.Messages</b>	Complex (multiple)	Always	
<b>WSReturn.Messages.Value</b>	String	Always	Message value.
<b>WSReturn.Messages.Type</b>	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and 3 for Null.

## 2.13 SubmitbookingRequest

### 2.13.1 URL

Method: POST  
URL: /SubmitBookingRequest.aspx

### 2.13.2 Description

Allows a client to submit a load to the operations department for cover.

### 2.13.3 Input

```
{
  "SubmittedRequestNumber": null,
  "Origin": {
    "Description": "Origin Name",
    "Street": "123 Origin Street",
    "StreetExtra": null,
    "PostalCode": "M2J3Z6",
    "City": "City",
    "State": "State",
    "Country": {
      "Code": "CA",
      "Name": "Canada",
      "UsesPostalCode": true
    },
  },
  "SpecialInstructions": TEST,
  "GeneralInfo": null,
  "Direction": null,
  "Email": null,
}
```



```
"Contact": "John Doe",
"Phone": "111-111-1111",
"Fax": null,
"Mobile": null,
"ContactComment": null
},
"Destination": {
  "Description": "Destination Name",
  "Street": "456 Destination Street",
  "StreetExtra": null,
  "PostalCode": "44445",
  "City": "City",
  "State": "State",
  "Country": {
    "Code": "US",
    "Name": "United States",
    "UsesPostalCode": true
  },
  "SpecialInstructions": null,
  "GeneralInfo": null,
  "Direction": null,
  "Email": null,
  "Contact": "Jane Doe",
  "Phone": "222-222-2222",
  "Fax": null,
  "Mobile": null,
  "ContactComment": null
},
"ReferenceNumber": "20975",
"PurchaseOrder": "13181",
"OverrideApiRatingDates": false,
"DisableApiBookingNotifications": false,
"CustomReferences": null,
"DesiredShipmentDate": "2018-02-21T13:58:09.3752973-05:00",
"EarliestPickup": {
  "Time": "08:00"
},
"LatestPickup": {
  "Time": "17:00"
},
"EarliestDelivery": null,
"LatestDelivery": null,
"Items": [{
  "Weight": 1000.0,
  "PackagingQuantity": 1,
  "SaidToContain": 1,
  "Height": 40.0,
  "Width": 48.0,
  "Length": 48.0,
  "Stackable": false,
  "HazardousMaterial": false,
  "DeclaredValue": 100.0,
  "Description": "Test Type",
  "Comment": ""
}
```



```
"NationalMotorFreightClassification": "",
"HarmonizedTariffSchedule": "",
"Packaging": {
  "Key": 258,
  "PackageName": "Pallets",
  "DefaultLength": 0.0,
  "DefaultHeight": 0.0,
  "DefaultWidth": 0.0
},
"FreightClass": {
  "FreightClass": 77.5
}
}, {
  "Weight": 1000.0,
  "PackagingQuantity": 1,
  "SaidToContain": 1,
  "Height": 40.0,
  "Width": 48.0,
  "Length": 48.0,
  "Stackable": false,
  "HazardousMaterial": false,
  "DeclaredValue": 100.0,
  "Description": "Test Type",
  "Comment": "",
  "NationalMotorFreightClassification": "",
  "HarmonizedTariffSchedule": "",
  "Packaging": {
    "Key": 258,
    "PackageName": "Pallets",
    "DefaultLength": 0.0,
    "DefaultHeight": 0.0,
    "DefaultWidth": 0.0
  },
  "FreightClass": {
    "FreightClass": 77.5
  }
}
],
"Accessorials": [{
  "ServiceCode": "RES",
  "ServiceDescription": "Private Residence Delivery",
  "BillingCode": "RES"
}, {
  "ServiceCode": "LGD",
  "ServiceDescription": "Lift-Gate Service Delivery",
  "BillingCode": "LGD"
}
],
"DeclineAdditionalInsuranceIfApplicable": true,
"HazardousMaterialShipment": false,
"HazardousMaterialContactName": null,
"HazardousMaterialContactPhone": null,
"HazardousMaterialContactMobile": null,
"HazardousMaterialContactEmail": null,
```



```

    "Messages": null,
    "ContainsErrorMessage": false
}

```

### SubmitbookingRequest Request

Field	Type	Required/ Optional	Description
<b>WSBookingRequest</b>	Complex	Required	
<b>WSBookingRequest .SubmittedRequestNumber</b>	String		Ignored on request.
<b>WSBookingRequest .Origin</b>	Complex	Required	Origin location information
<b>WSBookingRequest .Origin .Description</b>	String	Required	Name or description of location. Maximum length 50 characters.
<b>WSBookingRequest .Origin .Street</b>	String	Optional	Street name. Maximum length 50 characters.
<b>WSBookingRequest .Origin .StreetExtra</b>	String	Optional	Street name extra. Maximum length 50 characters.
<b>WSBookingRequest .Origin .PostalCode</b>	String	Optional	Postal code. Maximum length 10 characters.
<b>WSBookingRequest .Origin .City</b>	String	Optional	City. Maximum length 50 characters
<b>WSBookingRequest .Origin .State</b>	String	Optional	State. Maximum length 50 characters
<b>WSBookingRequest .Origin .Country</b>	Complex	Required	Use one of the countries retrieved from service. See section 2.4 or 2.6.
<b>WSBookingRequest .Origin .Country.Code</b>	String	Required	Country code.
<b>WSBookingRequest .Origin .Country.Name</b>	String	Optional	Country name.
<b>WSBookingRequest .Origin .Country.UsesPostalCode</b>	Boolean	Optional	Indicates that country uses postal code.
<b>WSBookingRequest .Origin .SpecialInstructions</b>	String	Optional	Maximum length 500 characters.
<b>WSBookingRequest .Origin .GeneralInfo</b>	String	Optional	For location. Maximum length 2000 characters.
<b>WSBookingRequest .Origin .Direction</b>	String	Optional	To location. Maximum length 2000 characters.
<b>WSBookingRequest .Origin.Email</b>	String	Optional	Maximum length 100 characters.
<b>WSBookingRequest .Origin.Contact</b>	String	Required	Contact person. Maximum length 50 characters.



<b>WSBookingRequest .Origin.Phone</b>	String	Required	Maximum length 50 characters.
<b>WSBookingRequest .Origin.Fax</b>	String	Optional	Maximum length 50 characters.
<b>WSBookingRequest .Origin .Mobile</b>	String	Optional	Maximum length 50 characters.
<b>WSBookingRequest .Destination</b>	Complex	Required	Destination location information
<b>WSBookingRequest .Destination .Description</b>	String	Required	Name or description of location. Maximum length 50 characters.
<b>WSBookingRequest .Destination .Street</b>	String	Optional	Street name. Maximum length 50 characters.
<b>WSBookingRequest .Destination .StreetExtra</b>	String	Optional	Street name extra. Maximum length 50 characters.
<b>WSBookingRequest .Destination .PostalCode</b>	String	Optional	Postal code. Maximum length 10 characters.
<b>WSBookingRequest .Destination .City</b>	String	Optional	City. Maximum length 50 characters
<b>WSBookingRequest .Destination .State</b>	String	Optional	State. Maximum length 50 characters
<b>WSBookingRequest .Destination .Country</b>	Complex	Required	Use one of the countries retrieved from service. See section 2.4 or 2.6.
<b>WSBookingRequest .Destination .Country.Code</b>	String	Required	Country code.
<b>WSBookingRequest .Destination .Country.Name</b>	String	Optional	Country name.
<b>WSBookingRequest .Destination .Country.UsesPostalCode</b>	Boolean	Optional	Indicates that country uses postal code.
<b>WSBookingRequest .Destination .SpecialInstructions</b>	String	Optional	Maximum length 500 characters.
<b>WSBookingRequest .Destination .GeneralInfo</b>	String	Optional	For location. Maximum length 2000 characters.
<b>WSBookingRequest .Destination .Direction</b>	String	Optional	To location Maximum length 2000 characters.
<b>WSBookingRequest .Destination .Email</b>	String	Optional	Maximum length 100 characters.
<b>WSBookingRequest .Destination .Contact</b>	String	Required	Contact person. Maximum length 50 characters.
<b>WSBookingRequest .Destination .Phone</b>	String	Required	Maximum length 50 characters.





<b>WSBookingRequest .Destination .Fax</b>	String	Optional	Maximum length 50 characters.
<b>WSBookingRequest .Destination .Mobile</b>	String	Optional	Maximum length 50 characters.
<b>WSBookingRequest .Destination .ContactComment</b>	String	Optional	Maximum length 200 characters.
<b>WSBookingRequest .ReferenceNumber</b>	String	Optional	Shipper reference number. Maximum length 50 characters.
<b>WSBookingRequest .PurchaseOrder</b>	String	Optional	Purchase Order Number. Maximum length 50 characters.
<b>WSBookingRequest .CustomerReferences</b>	Complex (multiple)	Optional	Custom customer reference. Zero or more.
<b>WSBookingRequest .CustomerReferences .Name</b>	String	Required	Maximum length 50 characters.
<b>WSBookingRequest .CustomerReferences .Value</b>	String	Optional	Required if field is marked as required or account setup requires field. Maximum length 50 characters.
<b>WSBookingRequest .CustomerReferences .Required</b>	Boolean	Required	True or False.
<b>WSBookingRequest .DesiredShipmentDate</b>	DateTime	Required	Value must be between 1/1/1753 and 12/31/9999
<b>WSBookingRequest .EarliestPickup</b>	Complex	Required	Use one of the times retrieved from service. See section 2.5 or 2.6.
<b>WSBookingRequest .EarliestPickup .Time</b>	String	Required	
<b>WSBookingRequest .LatestPickup</b>	Complex	Required	Use one of the times retrieved from service. See section 2.5 or 2.6.
<b>WSBookingRequest .LatestPickup .Time</b>	String	Required	
<b>WSBookingRequest .EarliestDelivery</b>	Complex	Required	Use one of the times retrieved from service. See section 2.5 or 2.6.
<b>WSBookingRequest .EarliestDelivery .Time</b>	String	Required	
<b>WSBookingRequest .LatestDelivery</b>	Complex	Required	Use one of the times retrieved from service. See section 2.5 or 2.6.
<b>WSBookingRequest .LatestDelivery .Time</b>	String	Required	
<b>WSBookingRequest .Items</b>	Complex (multiple)	Required	One or more.
<b>WSBookingRequest .Items .Weight</b>	Decimal	Required	Value between 0 and 99999999.9999 in pounds (lb).



<b>WSBookingRequest .Items .PackagingQuantity</b>	Int	Required	Must be greater than zero.
<b>WSBookingRequest .Items .SaidToContain</b>	Int	Optional	Must be greater than or equal to zero. Also known as piece count.
<b>WSBookingRequest .Items .Length</b>	Decimal	Optional	Value between 0 and 9999.9999 in inches (in).
<b>WSBookingRequest .Items .Width</b>	Decimal	Optional	Value between 0 and 9999.9999 in inches (in).
<b>WSBookingRequest .Items .Height</b>	Decimal	Optional	Value between 0 and 9999.9999 in inches (in).
<b>WSBookingRequest .Items .Stackable</b>	Boolean	Required	True or false.
<b>WSBookingRequest .Items .HazardousMaterial</b>	Boolean	Required	True or false. If Shipment is marked as hazmat and no other items are marked as such, all items will be marked as hazmat.
<b>WSBookingRequest .Items .DeclaredValue</b>	Decimal	Optional	Value between 0 and 999999999999999.9999 in USD (\$).
<b>WSBookingRequest .Items .Description</b>	String	Required	Item description. Maximum length 100 characters.
<b>WSBookingRequest .Items .NationalMotorFreight Classification</b>	String	Optional	NMFC. Maximum length 50 characters.
<b>WSBookingRequest .Items .HarmonizedTariffSchedule</b>	String	Optional	HTS. Maximum length 50 characters.
<b>WSBookingRequest .Items .Packaging</b>	Complex	Required	Use one of the package options retrieved from service. See section 2.3 or 2.6.
<b>WSBookingRequest .Items .Packaging .Key</b>	Long	Required	
<b>WSBookingRequest .Items .Packaging .PackageName</b>	String	Optional	
<b>WSBookingRequest .Items .Packaging .DefaultLength</b>	Decimal	Optional	
<b>WSBookingRequest .Items .Packaging .DefaultWidth</b>	Decimal	Optional	
<b>WSBookingRequest .Items .Packaging .DefaultHeight</b>	Decimal	Optional	
<b>WSBookingRequest .Items .FreightClass</b>	Complex	Optional	Use one of the freight class options retrieved from service. See section 2.2 or 2.6.
<b>WSBookingRequest .Items .FreightClass .FreightClass</b>	Double	Required	



<b>WSBookingRequest .Accessorials</b>	Complex (multiple)	Optional	Zero or more. Use one of the accessorial service options retrieved from service. See section 2.1 or 2.6.
<b>WSBookingRequest .Accessorials .ServiceCode</b>	String	Required	
<b>WSBookingRequest .Accessorials .ServiceDescription</b>	String	Optional	
<b>WSBookingRequest .Accessorials .BillingCode</b>	String	Optional	
<b>WSBookingRequest .DeclineAdditionalInsurance IfApplicable</b>	Boolean	Required	True or False. Only applies if customer setup has additional insurance enabled.
<b>WSBookingRequest .HazardousMaterialShipme nt</b>	Boolean	Required	True or False.
<b>WSBookingRequest .HazardousMaterialContact Name</b>	String	Required	Maximum length 50 characters.
<b>WSBookingRequest .HazardousMaterialContact Phone</b>	String	Required	Maximum length 50 characters.
<b>WSBookingRequest .HazardousMaterialContact Mobile</b>	String	Optional	Maximum length 50 characters.
<b>WSBookingRequest .HazardousMaterialContact Email</b>	String	Optional	Maximum length 50 characters.
<b>WSBookingRequest. ContainsErrorMessage</b>	Boolean		Ignored on request.
<b>WSBookingRequest .Messages</b>	Complex (multiple)		Ignored on request.

### 2.13.4 Output

```
{
  "SubmittedRequestNumber": "xxxxx",
  "Origin": {
    "Description": "Origin Name",
    "Street": "123 Origin Street",
    "StreetExtra": null,
    "PostalCode": "M2J3Z6",
    "City": "City",
    "State": "State",
    "Country": {
```



```
        "Code": "CA",
        "Name": "Canada",
        "UsesPostalCode": true
    },
    "SpecialInstructions": null,
    "GeneralInfo": null,
    "Direction": null,
    "Email": null,
    "Contact": "John Doe",
    "Phone": "111-111-1111",
    "Fax": null,
    "Mobile": null,
    "ContactComment": null
},
"Destination": {
    "Description": "Destination Name",
    "Street": "456 Destination Street",
    "StreetExtra": null,
    "PostalCode": "44445",
    "City": "City",
    "State": "State",
    "Country": {
        "Code": "US",
        "Name": "United States",
        "UsesPostalCode": true
    },
    "SpecialInstructions": null,
    "GeneralInfo": null,
    "Direction": null,
    "Email": null,
    "Contact": "Jane Doe",
    "Phone": "222-222-2222",
    "Fax": null,
    "Mobile": null,
    "ContactComment": null
},
"ReferenceNumber": "20975",
"PurchaseOrder": "13181",
"OverrideApiRatingDates": false,
"DisableApiBookingNotifications": false,
"CustomReferences": null,
"DesiredShipmentDate": "2018-02-22T13:51:28.5655749-05:00",
"EarliestPickup": {
    "Time": "08:00"
},
"LatestPickup": {
    "Time": "17:00"
},
"EarliestDelivery": null,
"LatestDelivery": null,
"Items": [{
    "Weight": 1000.0,
    "PackagingQuantity": 1,
    "SaidToContain": 1,
```



```

    "Height": 40.0,
    "Width": 48.0,
    "Length": 48.0,
    "Stackable": false,
    "HazardousMaterial": false,
    "DeclaredValue": 100.0,
    "Description": "Test Type",
    "Comment": "",
    "NationalMotorFreightClassification": "",
    "HarmonizedTariffSchedule": "",
    "Packaging": {
      "Key": 258,
      "PackageName": "Pallets",
      "DefaultLength": 0.0,
      "DefaultHeight": 0.0,
      "DefaultWidth": 0.0
    },
    "FreightClass": {
      "FreightClass": 77.5
    }
  }, {
    "Weight": 1000.0,
    "PackagingQuantity": 1,
    "SaidToContain": 1,
    "Height": 40.0,
    "Width": 48.0,
    "Length": 48.0,
    "Stackable": false,
    "HazardousMaterial": false,
    "DeclaredValue": 100.0,
    "Description": "Test Type",
    "Comment": "",
    "NationalMotorFreightClassification": "",
    "HarmonizedTariffSchedule": "",
    "Packaging": {
      "Key": 258,
      "PackageName": "Pallets",
      "DefaultLength": 0.0,
      "DefaultHeight": 0.0,
      "DefaultWidth": 0.0
    },
    "FreightClass": {
      "FreightClass": 77.5,
    }
  }
],
"Accessorials": [{
  "ServiceCode": "RES",
  "ServiceDescription": "Private Residence Delivery",
  "BillingCode": "RES"
}, {
  "ServiceCode": "LGD",
  "ServiceDescription": "Lift-Gate Service Delivery",
  "BillingCode": "LGD"
}]

```



```

    },
    "DeclineAdditionalInsuranceIfApplicable": true,
    "HazardousMaterialShipment": false,
    "HazardousMaterialContactName": null,
    "HazardousMaterialContactPhone": null,
    "HazardousMaterialContactMobile": null,
    "HazardousMaterialContactEmail": null,
    "ContainsErrorMessage": false,
    "Messages": [],
  }
}

```

### SubmitbookingRequest Response

Field	Type	Returned	Description
<b>WSBookingRequest</b>	Complex	Always	
<b>WSBookingRequest .SubmittedRequestNumber</b>	String	Conditional	If load successfully submitted. Messages will contain error if otherwise.
<b>WSBookingRequest .Origin</b>	Complex	Always	Origin location information
<b>WSBookingRequest .Origin .Description</b>	String	Always	As submitted.
<b>WSBookingRequest .Origin .Street</b>	String	Conditional	If submitted.
<b>WSBookingRequest .Origin .StreetExtra</b>	String	Conditional	If submitted.
<b>WSBookingRequest .Origin .PostalCode</b>	String	Conditional	If submitted.
<b>WSBookingRequest .Origin .City</b>	String	Conditional	If submitted.
<b>WSBookingRequest .Origin .State</b>	String	Conditional	If submitted.
<b>WSBookingRequest .Origin .Country</b>	Complex	Always	
<b>WSBookingRequest .Origin .Country.Code</b>	String	Always	As submitted.
<b>WSBookingRequest .Origin .Country.Name</b>	String	Conditional	If submitted.
<b>WSBookingRequest .Origin .Country.UsesPostalCode</b>	Boolean	Always	As submitted.
<b>WSBookingRequest .Origin .SpecialInstructions</b>	String	Conditional	If submitted.
<b>WSBookingRequest .Origin .GeneralInfo</b>	String	Conditional	If submitted.



<b>WSBookingRequest .Origin .Direction</b>	String	Conditional	If submitted.
<b>WSBookingRequest .Origin .Email</b>	String	Conditional	If submitted.
<b>WSBookingRequest .Origin .Contact</b>	String	Always	As submitted.
<b>WSBookingRequest .Origin .Phone</b>	String	Always	As submitted.
<b>WSBookingRequest .Origin .Fax</b>	String	Conditional	If submitted.
<b>WSBookingRequest .Origin .Mobile</b>	String	Conditional	If submitted.
<b>WSBookingRequest .Destination</b>	Complex	Always	
<b>WSBookingRequest .Destination .Description</b>	String	Always	As submitted.
<b>WSBookingRequest .Destination .Street</b>	String	Conditional	If submitted.
<b>WSBookingRequest .Destination .StreetExtra</b>	String	Conditional	If submitted.
<b>WSBookingRequest .Destination .PostalCode</b>	String	Conditional	If submitted.
<b>WSBookingRequest .Destination .City</b>	String	Conditional	If submitted.
<b>WSBookingRequest .Destination .State</b>	String	Conditional	If submitted.
<b>WSBookingRequest .Destination .Country</b>	Complex	Always	
<b>WSBookingRequest .Destination .Country.Code</b>	String	Always	As submitted.
<b>WSBookingRequest .Destination .Country.Name</b>	String	Conditional	If submitted.
<b>WSBookingRequest .Destination .Country.UsesPostalCode</b>	Boolean	Conditional	If submitted.
<b>WSBookingRequest .Destination .SpecialInstructions</b>	String	Conditional	If submitted.
<b>WSBookingRequest .Destination .GeneralInfo</b>	String	Conditional	If submitted.
<b>WSBookingRequest .Destination .Direction</b>	String	Conditional	If submitted.
<b>WSBookingRequest .Destination .Email</b>	String	Conditional	If submitted.



<b>WSBookingRequest . Destination .Contact</b>	String	Always	As submitted.
<b>WSBookingRequest . Destination .Phone</b>	String	Always	As submitted.
<b>WSBookingRequest . Destination .Fax</b>	String	Conditional	If submitted.
<b>WSBookingRequest . Destination .Mobile</b>	String	Conditional	If submitted.
<b>WSBookingRequest .Destination .ContactComment</b>	String	Conditional	If submitted.
<b>WSBookingRequest .ReferenceNumber</b>	String	Conditional	If submitted.
<b>WSBookingRequest .PurchaseOrder</b>	String	Conditional	If submitted.
<b>WSBookingRequest .CustomerReferences</b>	Complex (multiple)	Conditional	If submitted.
<b>WSBookingRequest .CustomerReferences .Name</b>	String	Always	As submitted.
<b>WSBookingRequest .CustomerReferences .Value</b>	String	Conditional	If submitted.
<b>WSBookingRequest .CustomerReferences .Required</b>	Boolean	Always	As submitted.
<b>WSBookingRequest .DesiredShipmentDate</b>	DateTime	Always	As submitted.
<b>WSBookingRequest .EarliestPickup</b>	Complex	Always	
<b>WSBookingRequest .EarliestPickup .Time</b>	String	Always	As submitted.
<b>WSBookingRequest .LatestPickup</b>	Complex	Always	
<b>WSBookingRequest .LatestPickup .Time</b>	String	Always	As submitted.
<b>WSBookingRequest .EarliestDelivery</b>	Complex	Always	
<b>WSBookingRequest .EarliestDelivery .Time</b>	String	Always	As submitted.





<b>WSBookingRequest .LatestDelivery</b>	Complex	Always	
<b>WSBookingRequest .LatestDelivery .Time</b>	String	Always	As submitted.
<b>WSBookingRequest .Items</b>	Complex (multiple)	Always	
<b>WSBookingRequest .Items .Weight</b>	Decimal	Always	As submitted.
<b>WSBookingRequest .Items .PackagingQuantity</b>	Int	Always	As submitted.
<b>WSBookingRequest .Items .SaidToContain</b>	Int	Conditional	As submitted.
<b>WSBookingRequest .Items .Length</b>	Decimal	Conditional	As submitted.
<b>WSBookingRequest .Items .Width</b>	Decimal	Conditional	As submitted.
<b>WSBookingRequest .Items .Height</b>	Decimal	Conditional	As submitted.
<b>WSBookingRequest .Items .Stackable</b>	Boolean	Always	As submitted.
<b>WSBookingRequest .Items .DeclaredValue</b>	Decimal	Conditional	As submitted
<b>WSBookingRequest .Items .Description</b>	String	Always	
<b>WSBookingRequest .Items .NationalMotorFreight Classification</b>	String	Conditional	If submitted.
<b>WSBookingRequest .Items .HarmonizedTariffSchedule</b>	String	Conditional	If submitted.
<b>WSBookingRequest .Items .Packaging</b>	Complex	Always	
<b>WSBookingRequest .Items .Packaging .Key</b>	Long	Always	As submitted.
<b>WSBookingRequest .Items .Packaging .PackageName</b>	String	Conditional	If submitted.
<b>WSBookingRequest .Items .Packaging .DefaultLength</b>	Decimal	Conditional	As submitted.
<b>WSBookingRequest .Items .Packaging .DefaultWidth</b>	Decimal	Conditional	As submitted.
<b>WSBookingRequest .Items .Packaging .DefaultHeight</b>	Decimal	Conditional	As submitted.



<b>WSBookingRequest .Items .FreightClass</b>	Complex	Conditional	If submitted.
<b>WSBookingRequest .Items .FreightClass .FreightClass</b>	Double	Always	As submitted.
<b>WSBookingRequest .Accessorials</b>	Complex (multiple)	Conditional	If submitted.
<b>WSBookingRequest .Accessorials .ServiceCode</b>	String	Always	As submitted.
<b>WSBookingRequest .Accessorials .ServiceDescription</b>	String	Conditional	If submitted.
<b>WSBookingRequest .Accessorials .BillingCode</b>	String	Conditional	If submitted.
<b>WSBookingRequest .DeclineAdditionalInsurance IfApplicable</b>	Boolean	Always	As submitted.
<b>WSBookingRequest .HazardousMaterialShipment</b>	Boolean	Always	As submitted.
<b>WSBookingRequest .HazardousMaterialContactName</b>	String	Always	As submitted.
<b>WSBookingRequest .HazardousMaterialContactPhone</b>	String	Always	As submitted.
<b>WSBookingRequest .HazardousMaterialContactMobile</b>	String	Conditional	If submitted.
<b>WSBookingRequest .HazardousMaterialContactEmail</b>	String	Conditional	If submitted.
<b>WSBookingRequest .ContainsErrorMessage</b>	Boolean	Always	True if Messages contains at least one error message. False otherwise.
<b>WSBookingRequest .Messages</b>	Complex (multiple)	Conditional	If there are messages. Can be null.
<b>WSBookingRequest .Messages.Value</b>	String	Always	Message value.
<b>WSBookingRequest .Messages.Type</b>	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and 3 for Null.



## 2.14 GetBookingRequestStatus

### 2.14.1 URL

Method: POST  
URL: /GetBookingRequestStatus.aspx

### 2.14.2 Description

Retrieves the current status of a specific booking request record.

### 2.14.3 Input

```
{  
    "bookingNumber"  
}
```

#### GetBookingRequestStatus Request

Field	Type	Required/ Optional	Description
bookingNumber	String	Required	Booking number of record for which status is desired.

### 2.14.4 Output

```
{  
    "BookingNumber": "58721",  
    "Status": 1,  
    "Shipments": [{  
        "ShipmentNumber": "58721",  
        "Status": 0,  
        "DateCreated": "2017-05-31T18:47:46.057",  
        "EstimatePickupDate": "2017-05-31T00:00:00",  
        "EstimateDeliveryDate": "2017-06-06T00:00:00",  
        "ActualPickupDate": "1753-01-01T00:00:00",  
        "ActualDeliveryDate": "1753-01-01T00:00:00",  
        "IsPickedUp": false,  
        "IsDelivered": false,  
        "Mode": 0,  
        "Pro": "",  
        "VendorKey": "63",  
        "VendorName": "Con Way",  
        "VendorScac": "CNWY",  
        "CheckCalls": [{  
            "CallNotes": "",  
            "CallDate": "2017-05-31T18:47:46.057",  
        }]  
    }]  
}
```



```

        "StatusCode": 0,
    }],
    "BillingDetails": [{
        "ReferenceNumber": "",
        "ReferenceType": 0,
        "BillingCode": "",
        "Description": "",
        "Category": 0,
        "AmountDue": 20.99
    }],
    "Documents": [{
        "DocumentName": "",
        "DocumentKey": 0
    }],
}
},
"ContainsErrorMessage": false,
"Messages": [{
    "Value": "",
    "Type": 0
}],
}

```

#### GetBookingRequestStatus Response

Field	Type	Returned	Description
<b>WSBookingRequestStatus</b>	Complex	Always	
<b>WSBookingRequestStatus</b> <b>.BookingNumber</b>	String	Conditional	If record found.
<b>WSBookingRequestStatus</b> <b>.Status</b>	Enum	Conditional	If record found. Value BookingRequestStatus: 0 for PendingCover, 1 for Covered or 3 for Cancelled.
<b>WSBookingRequestStatus</b> <b>.Shipments</b>	Complex (multiple)	Conditional	If record has associated shipments available. Can be null.
<b>WSBookingRequestStatus</b> <b>.Shipments</b> <b>.ShipmentNumber</b>	String	Always	
<b>WSBookingRequestStatus</b> <b>.Shipments</b> <b>.Status</b>	Enum	Always	ShipmentStatus: 0 for Scheduled, 1 for InTransit, 2 for Delivered, 3 for Invoiced or 4 for Void
<b>WSBookingRequestStatus</b> <b>.Shipments</b> <b>.EstimatePickupDate</b>	DateTime	Always	



<b>WSBookingRequestStatus .Shipments .EstimateDeliveryDate</b>	DateTime	Always	
<b>WSBookingRequestStatus .Shipments .ActualPickupDate</b>	DateTime	Always	Value of 1/1/1753 00:00:00 is default value indicating no date.
<b>WSBookingRequestStatus .Shipments .ActualDeliveryDate</b>	DateTime	Always	Value of 1/1/1753 00:00:00 is default value indicating no date.
<b>WSBookingRequestStatus .Shipments .IsPickedUp</b>	Boolean	Always	True if ActualPickupDate is not equal to 1/1/1753 00:00:00
<b>WSBookingRequestStatus .Shipments .IsDelivered</b>	Boolean	Always	True if ActualDeliveryDate is not equal to 1/1/1753 00:00:00
<b>WSBookingRequestStatus .Shipments .Mode</b>	Enum	Always	ServiceMode: 0 for LessThanTruckload, 1 for Truckload, 2 for Air, 3 for Rail, 4 for SmallPackage or 5 for NotApplicable
<b>WSBookingRequestStatus .Shipments .Pro</b>	String	Conditional	If present.
<b>WSBookingRequestStatus .Shipments .VendorKey</b>	String	Always	
<b>WSBookingRequestStatus .Shipments .VendorName</b>	String	Always	
<b>WSBookingRequestStatus .Shipments .VendorScac</b>	String	Conditional	If present.
<b>WSBookingRequestStatus .Shipments .CheckCalls</b>	Complex (multiple)	Conditional	If check calls are present for shipment. Can be null.
<b>WSBookingRequestStatus .Shipments .CheckCalls .CallNotes</b>	String	Conditional	Message from check call if present.
<b>WSBookingRequestStatus .Shipments .CheckCalls .CallDate</b>	String	Always	Date and time of check call. Time may not be present.
<b>WSBookingRequestStatus .Shipments .CheckCalls .StatusCode</b>	String	Conditional	Check call status code if present. SEE Appendix section 3.1 for list of available codes and codes description.
<b>WSBookingRequestStatus .Shipments .CheckCalls .CallDate</b>	String	Always	Date and time of check call. Time may not be present.
<b>WSBookingRequestStatus .Shipments .BillingDetails</b>	Complex (multiple)	Conditional	If billing details are present for shipment. Can be null.
<b>WSBookingRequestStatus .Shipments .BillingDetails .ReferenceNumber</b>	String	Always	Date and time of check call. Time may not be present.



<b>WSBookingRequestStatus .Shipments .BillingDetails .ReferenceType</b>	String	Always	Date and time of check call. Time may not be present.
<b>WSBookingRequestStatus .Shipments .BillingDetails .BillingCode</b>	String	Always	Date and time of check call. Time may not be present.
<b>WSBookingRequestStatus .Shipments .BillingDetails .Description</b>	String	Always	Date and time of check call. Time may not be present.
<b>WSBookingRequestStatus .Shipments .BillingDetails .Category</b>	String	Always	Date and time of check call. Time may not be present.
<b>WSBookingRequestStatus .Shipments .BillingDetails .AmountDue</b>	String	Always	Date and time of check call. Time may not be present.
<b>WSBookingRequestStatus .Shipments .Documents</b>	Complex (multiple)	Conditional	If documents are present for the shipment. Can be null.
<b>WSBookingRequestStatus .Shipments .Documents .Category</b>	String	Always	Date and time of check call. Time may not be present.
<b>WSBookingRequestStatus .Shipments .BillingDetails .AmountDue</b>	String	Always	Date and time of check call. Time may not be present.
<b>WSBookingRequestStatus. ContainsErrorMessage</b>	Boolean	Always	True if Messages contains at least one error message. False otherwise.
<b>WSBookingRequestStatus .Messages</b>	Complex (multiple)	Conditional	If message are present. Can be null.
<b>WSBookingRequestStatus .Messages.Value</b>	String	Always	Message value.
<b>WSBookingRequestStatus .Messages.Type</b>	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and Null.

## 2.15 RequestBookingRequestCancellation

### 2.15.1 URL

Method: POST  
URL: /RequestBookingRequestCancellation.aspx

### 2.15.2 Description

Allows the client to request the cancellation of a submitted booking request.



### 2.15.3 Input

```
{
  "bookingNumber"
}
```

#### RequestBookingRequestCancellation Request

Field	Type	Required/ Optional	Description
bookingNumber	String	Required	Booking number of request to be cancelled.

### 2.15.4 Output

```
{
  "Messages": [{
    "Type": 1,
    "Value": "Record Saved."
  }],
  "ContainsErrorMessage": false
}
```

#### RequestBookingRequestCancellation Response

Field	Type	Returned	Description
WSReturn.ContainsErrorMessage	Boolean	Always	True if Messages contains at least one error message. False otherwise.
WSReturn.Messages	Complex (multiple)	Always	
WSReturn.Messages.Value	String	Always	Message value.
WSReturn.Messages.Type	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and 3 for Null.

## 2.16 Rate

### 2.16.1 URL

Method: POST  
URL: /RateShipment.aspx



## 2.16.2 Description

Rates a shipment configuration returning the rated configuration along with available rates.

## 2.16.3 Input

```
{
  "BookingReferenceNumber": null,
  "BookingReferenceNumberType": 2,
  "Origin": {
    "Description": null,
    "Street": null,
    "StreetExtra": null,
    "PostalCode": "16508",
    "City": null,
    "State": null,
    "Country": {
      "Code": "US",
      "Name": "United States",
      "UsesPostalCode": true
    },
    "SpecialInstructions": null,
    "GeneralInfo": null,
    "Direction": null,
    "Email": null,
    "Contact": null,
    "Phone": null,
    "Fax": null,
    "Mobile": null,
    "ContactComment": null
  },
  "Destination": {
    "Description": null,
    "Street": null,
    "StreetExtra": null,
    "PostalCode": "12345",
    "City": null,
    "State": null,
    "Country": {
      "Code": "US",
      "Name": "United States",
      "UsesPostalCode": true
    },
    "SpecialInstructions": null,
    "GeneralInfo": null,
    "Direction": null,
    "Email": null,
    "Contact": null,
    "Phone": null,
    "Fax": null,
    "Mobile": null,
    "ContactComment": null
  }
}
```





```
,
"ReferenceNumber": null,
"PurchaseOrder": null,
"ShipperBOL": null,
"OverrideApiRatingDates": false,
"DisableApiBookingNotifications": false,
"CustomReferences": null,
"ShipmentDate": "2018-02-23T11:52:32.3905344-05:00",
"EarliestPickup": {
  "Time": "08:00"
},
"LatestPickup": {
  "Time": "17:00"
},
"EarliestDelivery": null,
"LatestDelivery": null,
"Items": [{
  "Weight": 1000.0,
  "PackagingQuantity": 1,
  "SaidToContain": 1,
  "Height": 40.0,
  "Width": 48.0,
  "Length": 48.0,
  "Stackable": false,
  "HazardousMaterial": false,
  "DeclaredValue": 100.0,
  "Description": "Test Type",
  "Comment": "",
  "NationalMotorFreightClassification": "",
  "HarmonizedTariffSchedule": "",
  "Packaging": {
    "Key": 258,
    "PackageName": "Pallets",
    "DefaultLength": 0.0,
    "DefaultHeight": 0.0,
    "DefaultWidth": 0.0
  },
  "FreightClass": {
    "FreightClass": 77.5
  }
}],
"Accessorials": null,
"DeclineAdditionalInsuranceIfApplicable": true,
"HazardousMaterialShipment": false,
"HazardousMaterialContactName": null,
"HazardousMaterialContactPhone": null,
"HazardousMaterialContactMobile": null,
"HazardousMaterialContactEmail": null,
"AvailableRates": null,
"SelectedRate": null,
"BookedRate": null,
"ReturnConfirmations": null,
"Messages": null,
```



```

    "ContainsErrorMessage": false
  }

```

### Rate Request

Field	Type	Required/ Optional	Description
WSShipment2	Complex	Required	
WSShipment2 .BookingReferenceNumber	String		Ignored on request.
WSShipment2 .BookingReferenceNumberType	String		Ignored on request.
WSShipment2 .Origin	Complex	Required	Origin location information
WSShipment2 .Origin .Description	String	Required	Name or description of location. Maximum length 50 characters.
WSShipment2 .Origin .Street	String	Optional	Street name. Maximum length 50 characters.
WSShipment2 .Origin .StreetExtra	String	Optional	Street name extra. Maximum length 50 characters.
WSShipment2 .Origin .PostalCode	String	Required	Postal code. Maximum length 10 characters.
WSShipment2 .Origin .City	String	Optional	City. Maximum length 50 characters
WSShipment2 .Origin .State	String	Optional	State. Maximum length 50 characters
WSShipment2 .Origin .Country	Complex	Required	Use one of the countries retrieved from service. See section 2.4 or 2.6.
WSShipment2 .Origin .Country.Code	String	Required	Country code.
WSShipment2 .Origin .Country.Name	String	Optional	Country name.
WSShipment2 .Origin .Country.UsesPostalCode	Boolean	required	Indicates that country uses postal code.
WSShipment2 .Origin .SpecialInstructions	String	Optional	Maximum length 500 characters.
WSShipment2 .Origin .GeneralInfo	String	Optional	For location. Maximum length 2000 characters.
WSShipment2 .Origin .Direction	String	Optional	To location. Maximum length 2000 characters.
WSShipment2 .Origin .Email	String	Optional	Maximum length 100 characters.



<b>WSShipment2.Origin .Contact</b>	String	Required	Contact person. Maximum length 50 characters.
<b>WSShipment2.Origin .Phone</b>	String	Required	Maximum length 50 characters.
<b>WSShipment2.Origin .Fax</b>	String	Optional	Maximum length 50 characters.
<b>WSShipment2.Origin .Mobile</b>	String	Optional	Maximum length 50 characters.
<b>WSShipment2.Destination</b>	Complex	Required	Destination location information
<b>WSShipment2. Destination .Description</b>	String	Required	Name or description of location. Maximum length 50 characters.
<b>WSShipment2. Destination .Street</b>	String	Optional	Street name. Maximum length 50 characters.
<b>WSShipment2. Destination .StreetExtra</b>	String	Optional	Street name extra. Maximum length 50 characters.
<b>WSShipment2. Destination .PostalCode</b>	String	Required	Postal code. Maximum length 10 characters.
<b>WSShipment2. Destination .City</b>	String	Optional	City. Maximum length 50 characters
<b>WSShipment2. Destination .State</b>	String	Optional	State. Maximum length 50 characters
<b>WSShipment2. Destination .Country</b>	Complex	Required	Use one of countries retrieved from service. See section 2.4 or 2.6.
<b>WSShipment2. Destination .Country.Code</b>	String	Required	Country code.
<b>WSShipment2. Destination .Country.Name</b>	String	Optional	Country name.
<b>WSShipment2. Destination .Country.UsesPostalCode</b>	Boolean	Optional	Indicates that country uses postal code.
<b>WSShipment2. Destination .SpecialInstructions</b>	String	Optional	Maximum length 500 characters.
<b>WSShipment2.Destination .GeneralInfo</b>	String	Optional	For location. Maximum length 2000 characters.
<b>WSShipment2.Destination .Direction</b>	String	Optional	To location. Maximum length 2000 characters.
<b>WSShipment2. Destination .Email</b>	String	Optional	Maximum length 100 characters.
<b>WSShipment2. Destination .Contact</b>	String	Required	Contact person. Maximum length 50 characters.
<b>WSShipment2. Destination .Phone</b>	String	Required	Maximum length 50 characters.
<b>WSShipment2. Destination .Fax</b>	String	Optional	Maximum length 50 characters.



<b>WSShipment2. Destination .Mobile</b>	String	Optional	Maximum length 50 characters.
<b>WSShipment2. Destination .ContactComment</b>	String	Optional	Maximum length 200 characters.
<b>WSShipment2. ReferenceNumber</b>	String	Optional	Shipper reference number. Maximum length 50 characters.
<b>WSShipment2. PurchaseOrder</b>	String	Optional	Purchase Order Number. Maximum length 50 characters.
<b>WSShipment2 .ShipperBOL</b>	String		Ignored on request.
<b>WSShipment2 .CustomerReferences</b>	Complex (multiple)	Optional	Custom customer reference. Zero or more.
<b>WSShipment2 .CustomerReferences .Name</b>	String	Required	Maximum length 50 characters.
<b>WSShipment2 .CustomerReferences .Value</b>	String	Optional	Required if field is marked as required or account setup requires field. Maximum length 50 characters.
<b>WSShipment2 .CustomerReferences .Required</b>	Boolean	Required	True or False.
<b>WSShipment2 .DesiredShipmentDate</b>	DateTime	Required	Value must be between 1/1/1753 and 12/31/9999
<b>WSShipment2 .EarliestPickup</b>	Complex	Required	Use one of the times retrieved from service. See section 2.5 or 2.6.
<b>WSShipment2. EarliestPickup .Time</b>	String	Required	
<b>WSShipment2 .LatestPickup</b>	Complex	Required	Use one of the times retrieved from service. See section 2.5 or 2.6.
<b>WSShipment2 .LatestPickup .Time</b>	String	Required	
<b>WSShipment2 .EarliestDelivery</b>	Complex	Required	Use one of the times retrieved from service. See section 2.5 or 2.6.
<b>WSShipment2 .EarliestDelivery .Time</b>	String	Required	
<b>WSShipment2 .LatestDelivery</b>	Complex	Required	Use one of the times retrieved from service. See section 2.5 or 2.6.
<b>WSShipment2 .LatestDelivery .Time</b>	String	Required	
<b>WSShipment2 .Items</b>	Complex (multiple)	Required	One or more.
<b>WSShipment2 .Items .Weight</b>	Decimal	Required	Value between 0 and 999999999.9999 in pounds (lb).
<b>WSShipment2 .Items .PackagingQuantity</b>	Int	Required	Must be greater than zero.



<b>WSShipment2 .Items .SaidToContain</b>	Int	Optional	Must be greater than or equal to zero. Also known as piece count.
<b>WSShipment2 .Items .Length</b>	Decimal	Optional	Value between 0 and 9999.9999 in inches (in).
<b>WSShipment2 .Items .Width</b>	Decimal	Optional	Value between 0 and 9999.9999 in inches (in).
<b>WSShipment2 .Items .Height</b>	Decimal	Optional	Value between 0 and 9999.9999 in inches (in).
<b>WSShipment2 .Items .Stackable</b>	Boolean	Optional	True or false.
<b>WSShipment2 .Items .HazardousMaterial</b>	Boolean	Optional	True or false. If Shipment is marked as hazmat and no other items are marked as such, all items will be marked as hazmat.
<b>WSShipment2 .Items .DeclaredValue</b>	Decimal	Optional	Value between 0 and 9999999999999999.9999 in USD (\$).
<b>WSShipment2 .Items .Description</b>	String	Optional	Item description. Maximum length 100 characters.
<b>WSShipment2 .Items .NationalMotorFreight Classification</b>	String	Optional	NMFC. Maximum length 50 characters.
<b>WSShipment2 .Items .HarmonizedTariffSchedule</b>	String	Optional	HTS. Maximum length 50 characters.
<b>WSShipment2 .Items .Packaging</b>	Complex	Required	Use one of the package options retrieved from service. See section 2.3 or 2.6.
<b>WSShipment2 .Items .Packaging .Key</b>	Long	Required	
<b>WSShipment2 .Items .Packaging .PackageName</b>	String	Optional	
<b>WSShipment2 .Items .Packaging .DefaultLength</b>	Decimal	Optional	
<b>WSShipment2 .Items .Packaging .DefaultWidth</b>	Decimal	Optional	
<b>WSShipment2 .Items .Packaging .DefaultHeight</b>	Decimal	Optional	



<b>WSShipment2 .Items .FreightClass</b>	Complex	Optional	Use one of the freight class options retrieved from service. See section 2.2 or 2.6.
<b>WSShipment2 .Items .FreightClass .FreightClass</b>	Double	Required	
<b>WSShipment2 .Accessorials</b>	Complex (multiple)	Optional	Zero or more. Use one of the accessorial service options retrieved from service. See section 2.1 or 2.6.
<b>WSShipment2 .Accessorials .ServiceCode</b>	String	Required	
<b>WSShipment2 .Accessorials .ServiceDescription</b>	String	Optional	
<b>WSShipment2 .Accessorials .BillingCode</b>	String	Optional	
<b>WSShipment2 .DeclineAdditionalInsurance IfApplicable</b>	Boolean	Required	True or False. Only applies if customer setup has additional insurance enabled.
<b>WSShipment2 .HazardousMaterialShipme nt</b>	Boolean	Required	True or False.
<b>WSShipment2 .HazardousMaterialContact Name</b>	String	Optional	Maximum length 50 characters.
<b>WSShipment2 .HazardousMaterialContact Phone</b>	String	Optional	Maximum length 50 characters.
<b>WSShipment2 .HazardousMaterialContact Mobile</b>	String	Optional	Maximum length 50 characters.
<b>WSShipment2 .HazardousMaterialContact Email</b>	String	Optional	Maximum length 50 characters.
<b>WSShipment2 .AvailableRates</b>	Complex (multiple)		Ignored on request.
<b>WSShipment2 .SelectedRate</b>	Complex (multiple)		Ignored on request.
<b>WSShipment2 .BookedRate</b>	Complex (multiple)		Ignored on request.
<b>WSShipment2 .ReturnConfirmations</b>	Complex (multiple)		Ignored on request.



<b>WSShipment2. ContainsErrorMessage</b>	Boolean		Ignored on request.
<b>WSShipment2 .Messages</b>	Complex (multiple)		Ignored on request.

### 2.16.3 Output

```
{
  "BookingReferenceNumber": null,
  "BookingReferenceNumberType": 2,
  "Origin": {
    "Description": null,
    "Street": null,
    "StreetExtra": null,
    "PostalCode": "16508",
    "City": null,
    "State": null,
    "Country": {
      "Code": "US",
      "Name": "United States",
      "UsesPostalCode": true
    },
    "SpecialInstructions": null,
    "GeneralInfo": null,
    "Direction": null,
    "Email": null,
    "Contact": null,
    "Phone": null,
    "Fax": null,
    "Mobile": null,
    "ContactComment": null
  },
  "Destination": {
    "Description": null,
    "Street": null,
    "StreetExtra": null,
    "PostalCode": "12345",
    "City": null,
    "State": null,
    "Country": {
      "Code": "US",
      "Name": "United States",
      "UsesPostalCode": true,
    },
    "SpecialInstructions": null,
    "GeneralInfo": null,
    "Direction": null,
    "Email": null,
    "Contact": null,
    "Phone": null,
    "Fax": null,
```



```

        "Mobile": null,
        "ContactComment": null
    },
    "ReferenceNumber": null,
    "PurchaseOrder": null,
    "ShipperBOL": null,
    "OverrideApiRatingDates": false,
    "DisableApiBookingNotifications": false,
    "CustomReferences": null,
    "ShipmentDate": "2018-02-23T11:52:32.3905344-05:00",
    "EarliestPickup": {
        "Time": "08:00"
    },
    "LatestPickup": {
        "Time": "17:00"
    },
    "EarliestDelivery": null,
    "LatestDelivery": null,
    "Items": [{
        "Weight": 1000.0,
        "PackagingQuantity": 1,
        "SaidToContain": 1,
        "Height": 40.0,
        "Width": 48.0,
        "Length": 48.0,
        "Stackable": false,
        "HazardousMaterial": false,
        "DeclaredValue": 100.0,
        "Description": "Test Type",
        "Comment": "",
        "NationalMotorFreightClassification": "",
        "HarmonizedTariffSchedule": "",
        "Packaging": {
            "Key": 258,
            "PackageName": "Pallets",
            "DefaultLength": 0.0,
            "DefaultHeight": 0.0,
            "DefaultWidth": 0.0
        },
        "FreightClass": {
            "FreightClass": 77.5
        }
    }
],
    "Accessories": null,
    "DeclineAdditionalInsuranceIfApplicable": true,
    "HazardousMaterialShipment": false,
    "HazardousMaterialContactName": null,
    "HazardousMaterialContactPhone": null,
    "HazardousMaterialContactMobile": null,
    "HazardousMaterialContactEmail": null,
    "AvailableRates": [{
        "CarrierKey": "63",
        "CarrierName": "Con Way",

```





```

    "CarrierScac": "CNWY",
    "BilledWeight": 1000.0,
    "RatedWeight": 1000.0,
    "RatedCubicFeet": 53.333333333333333333333333333333,
    "TransitTime": 1,
    "EstimatedDeliveryDate": "2018-02-26T17:00:00-05:00",
    "ServiceMode": 0,
    "FreightCharges": 178.9452000000,
    "FuelCharges": 45.30892464000000,
    "AccessorialCharges": 0.0,
    "ServiceCharges": 0.0,
    "TotalCharges": 224.25412464000000,
    "Mileage": 0.0,
    "MileageSourceKey": 0,
    "MileageSourceDescription": null,
    "BillingDetails": [{
      "ReferenceNumber": "",
      "ReferenceType": 2,
      "BillingCode": "DILTL",
      "Description": "LTL FREIGHT",
      "Category": 0,
      "AmountDue": 178.9452000000
    }, {
      "ReferenceNumber": "",
      "ReferenceType": 2,
      "BillingCode": "FS",
      "Description": "FUEL",
      "Category": 1,
      "AmountDue": 45.30892464000000
    }
  ],
  "GuarOptions": [],
  "SelectedGuarOption": null
},
"SelectedRate": null,
"BookedRate": null,
"ReturnConfirmations": null,
"Messages": [{
  "Value": "",
  "Type": 0
}],
"ContainsErrorMessage": false
}
```

Rate Response

Field	Type	Returned	Description
WSShipment2	Complex	Required	



<b>WSShipment2 .BookingReferenceNumber</b>	String		Ignored on rate response.
<b>WSShipment2 .BookingReferenceNumberType</b>	String		Ignored on rate response.
<b>WSShipment2 .Origin</b>	Complex	Always	
<b>WSShipment2 .Origin .Description</b>	String	Always	As submitted.
<b>WSShipment2 .Origin .Street</b>	String	Conditional	If submitted.
<b>WSShipment2 .Origin .StreetExtra</b>	String	Conditional	If submitted.
<b>WSShipment2 .Origin .PostalCode</b>	String	Always	As submitted.
<b>WSShipment2 .Origin .City</b>	String	Conditional	If submitted.
<b>WSShipment2 .Origin .State</b>	String	Conditional	If submitted.
<b>WSShipment2 .Origin .Country</b>	Complex	Always	
<b>WSShipment2 .Origin .Country.Code</b>	String	Always	As submitted.
<b>WSShipment2 .Origin .Country.Name</b>	String	Conditional	If submitted.
<b>WSShipment2 .Origin .Country.UsesPostalCode</b>	Boolean	Always	As submitted.
<b>WSShipment2 .Origin .SpecialInstructions</b>	String	Conditional	If submitted.
<b>WSShipment2 .Origin .GeneralInfo</b>	String	Conditional	If submitted.
<b>WSShipment2 .Origin .Direction</b>	String	Conditional	If submitted.
<b>WSShipment2 .Origin .Email</b>	String	Conditional	If submitted.
<b>WSShipment2 .Origin .Contact</b>	String	Always	As submitted.
<b>WSShipment2 .Origin .Phone</b>	String	Always	As submitted.
<b>WSShipment2 .Origin .Fax</b>	String	Conditional	If submitted.
<b>WSShipment2 .Origin .Mobile</b>	String	Conditional	If submitted.



<b>WSShipment2.Destination</b>	Complex	Always	
<b>WSShipment2. Destination .Description</b>	String	Always	As submitted.
<b>WSShipment2. Destination .Street</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .StreetExtra</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .PostalCode</b>	String	Always	As submitted.
<b>WSShipment2. Destination .City</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .State</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .Country</b>	Complex	Always	
<b>WSShipment2. Destination .Country.Code</b>	String	Always	As submitted.
<b>WSShipment2. Destination .Country.Name</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .Country.UsesPostalCode</b>	Boolean	Conditional	As submitted.
<b>WSShipment2. Destination .SpecialInstructions</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .GeneralInfo</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .Direction</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .Email</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .Contact</b>	String	Always	As submitted.
<b>WSShipment2. Destination .Phone</b>	String	Always	As submitted.
<b>WSShipment2. Destination .Fax</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .Mobile</b>	String	Conditional	If submitted.
<b>WSShipment2.Destination .ContactComment</b>	String	Conditional	If submitted.



<b>WSShipment2.ReferenceNumber</b>	String	Conditional	If submitted.
<b>WSShipment2.PurchaseOrder</b>	String	Conditional	If submitted.
<b>WSShipment2 .ShipperBOL</b>	String		Ignored on rate response.
<b>WSShipment2 .CustomerReferences</b>	Complex (multiple)	Conditional	Anything submitted plus additional that from account setup if applicable.
<b>WSShipment2 .CustomerReferences .Name</b>	String	Always	
<b>WSShipment2 .CustomerReferences .Value</b>	String	Conditional	If submitted.
<b>WSShipment2 .CustomerReferences .Required</b>	Boolean	Always	
<b>WSShipment2 .DesiredShipmentDate</b>	DateTime	Always	As submitted.
<b>WSShipment2 .EarliestPickup</b>	Complex	Always	As submitted.
<b>WSShipment2 .EarliestPickup .Time</b>	String	Always	
<b>WSShipment2 .LatestPickup</b>	Complex	Always	As submitted
<b>WSShipment2 .LatestPickup .Time</b>	String	Always	
<b>WSShipment2 .EarliestDelivery</b>	Complex	Always	As submitted.
<b>WSShipment2 .EarliestDelivery .Time</b>	String	Always	
<b>WSShipment2 .LatestDelivery</b>	Complex	Always	As submitted.
<b>WSShipment2 .LatestDelivery .Time</b>	String	Always	
<b>WSShipment2 .Items</b>	Complex (multiple)	Always	
<b>WSShipment2 .Items .Weight</b>	Decimal	Always	As submitted.
<b>WSShipment2 .Items .PackagingQuantity</b>	Int	Always	As submitted.
<b>WSShipment2 .Items .SaidToContain</b>	Int	Conditional	As submitted.
<b>WSShipment2 .Items .Length</b>	Decimal	Conditional	As submitted.



<b>WSShipment2 .Items .Width</b>	Decimal	Conditional	As submitted.
<b>WSShipment2 .Items .Height</b>	Decimal	Conditional	As submitted.
<b>WSShipment2 .Items .Stackable</b>	Boolean	Conditional	As submitted.
<b>WSShipment2 .Items .HazardousMaterial</b>	Boolean	Conditional	As submitted.
<b>WSShipment2 .Items .DeclaredValue</b>	Decimal	Conditional	As submitted.
<b>WSShipment2 .Items .Description</b>	String	Conditional	If submitted.
<b>WSShipment2 .Items .NationalMotorFreight Classification</b>	String	Conditional	If submitted.
<b>WSShipment2 .Items .HarmonizedTariffSchedule</b>	String	Conditional	If submitted.
<b>WSShipment2 .Items .Packaging</b>	Complex	Always	
<b>WSShipment2 .Items .Packaging .Key</b>	Long	Always	
<b>WSShipment2 .Items .Packaging .PackageName</b>	String	Conditional	
<b>WSShipment2 .Items .Packaging .DefaultLength</b>	Decimal	Conditional	
<b>WSShipment2 .Items .Packaging .DefaultWidth</b>	Decimal	Conditional	
<b>WSShipment2 .Items .Packaging .DefaultHeight</b>	Decimal	Conditional	
<b>WSShipment2 .Items .FreightClass</b>	Complex	Conditional	If submitted.
<b>WSShipment2 .Items .FreightClass .FreightClass</b>	Double	Always	
<b>WSShipment2 .Accessories</b>	Complex (multiple)	Conditional	If submitted.
<b>WSShipment2 .Accessories .ServiceCode</b>	String	Always	
<b>WSShipment2 .Accessories .ServiceDescription</b>	String	Conditional	
<b>WSShipment2 .Accessories .BillingCode</b>	String	Conditional	



<b>WSShipment2 .DeclineAdditionalInsurance IfApplicable</b>	Boolean	Always	As submitted.
<b>WSShipment2 .HazardousMaterialShipme nt</b>	Boolean	Always	As submitted.
<b>WSShipment2 .HazardousMaterialContact Name</b>	String	Always	As submitted.
<b>WSShipment2 .HazardousMaterialContact Phone</b>	String	Always	As submitted.
<b>WSShipment2 .HazardousMaterialContact Mobile</b>	String	Conditional	If submitted.
<b>WSShipment2 .HazardousMaterialContact Email</b>	String	Conditional	If submitted.
<b>WSShipment2 .AvailableRates</b>	Complex (multiple)	Conditional	Zero or more rates available for shipment configuration. Can be null in case of errors.
<b>WSShipment2 .AvailableRates .CarrierKey</b>	String	Always	For service mode Truckload = "[Contract]"
<b>WSShipment2 .AvailableRates .CarrierName</b>	String	Always	For service mode Truckload = "[Contract]"
<b>WSShipment2 .AvailableRates .CarrierScac</b>	String	Conditional	If present for carrier.
<b>WSShipment2 .AvailableRates .BilledWeight</b>	Decimal	Conditional	Present for service mode LessThanTruckload, SmallPackage
<b>WSShipment2 .AvailableRates .RatedWeight</b>	Decimal	Conditional	Present for service mode LessThanTruckload
<b>WSShipment2 .AvailableRates .RatedCubicFeet</b>	Decimal	Conditional	Present for service mode LessThanTruckload
<b>WSShipment2 .AvailableRates .TransitTime</b>	Int	Conditional	Present for service mode LessThanTruckload, SmallPackage



WSShipment2 .AvailableRates .EstimatedDeliveryDate	DateTime	Conditional	Present for service mode LessThanTruckload, SmallPackage.
WSShipment2 .AvailableRates .ServiceMode	Enum	Always	ServiceMode: 0 for LessThanTruckload, 1 for Truckload, 2 for Air, 3 for Rail, 4 for SmallPackage or 5 for NotApplicable
WSShipment2 .AvailableRates .FreightCharges	Decimal	Always	
WSShipment2 .AvailableRates .FuelCharges	Decimal	Always	
WSShipment2 .AvailableRates .AccessorialCharges	Decimal	Always	
WSShipment2 .AvailableRates .ServiceCharges	Decimal	Always	
WSShipment2 .AvailableRates .TotalCharges	Decimal	Always	Sum total of Freight, Fuel, Accessorial and Service charges.
WSShipment2 .AvailableRates .Mileage	Decimal	Conditional	If available
WSShipment2 .AvailableRates .MileageSourceKey	Long	Conditional	If available
WSShipment2 .AvailableRates .MileageSourceDescription	String	Conditional	If available
WSShipment2 .AvailableRates .BillingDetails	Complex (multiple)	Always	One or more charge billing detail breakdown
WSShipment2 .AvailableRates .BillingDetails .ReferenceNumber	String		Ignored on rate response.
WSShipment2 .AvailableRates .BillingDetails .ReferenceNumberType	Enum		DetailReferenceType: 0 for Shipment, 1 for ServiceTicket, or 2 for Miscellaneous. Ignored on rate response.



<b>WSShipment2</b> <b>.AvailableRates</b> <b>.BillingDetails .BillingCode</b>	String	Always	
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.BillingDetails .Category</b>	Enum	Always	ChargeCodeCategory: 0 for Freight, 1 for Fuel, 2 for Accessorial, or 3 for Service.
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.BillingDetails .Description</b>	String	Always	Billing Code description.
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.BillingDetails .AmountDue</b>	Decimal	Always	Billing amount
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.GuarOptions</b>	Complex (multiple)	Conditional	One or more charge billing detail breakdown. Present If available.
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.GuarOptions</b> <b>.ReferenceNumber</b>	String	Always	
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.GuarOptions</b> <b>.ReferenceNumberType</b>	Enum		DetailReferenceType: 0 for Shipment, 1 for ServiceTicket, or 2 for Miscellaneous. Ignored on rate response.
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.GuarOptions .BillingCode</b>	String	Always	
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.GuarOptions .Category</b>	Enum	Always	ChargeCodeCategory: 0 for Freight, 1 for Fuel, 2 for Accessorial, or 3 for Service.
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.GuarOptions .Description</b>	String	Always	Billing Code description.
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.GuarOptions .AmountDue</b>	Decimal	Always	Billing amount
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.SelectedGuarOption</b>	Complex		Ignored on rate response.
<b>WSShipment2</b> <b>.SelectedRate</b>	Complex (multiple)		Ignored on rate response.
<b>WSShipment2 .BookedRate</b>	Complex (multiple)		Ignored on rate response.





<b>WSShipment2 .ReturnConfirmations</b>	Complex (multiple)		Ignored on rate response.
<b>WSShipment2. ContainsErrorMessage</b>	Boolean	Always	True if Messages contains at least one error message. False otherwise.
<b>WSShipment2 .Messages</b>	Complex (multiple)	Conditional	Zero or more errors if present. Can be null.
<b>WSShipment2 .Messages .Value</b>	String	Always	Error message.
<b>WSShipment2 .Messages .Type</b>	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and 3 for Null.

## 2.17 Book

### 2.17.1 URL

Method: POST  
URL: /BookShipment.aspx

### 2.17.2 Description

Books a rated shipment.

### 2.17.3 Input

```
{
  "BookingReferenceNumber": null,
  "BookingReferenceNumberType": 2,
  "Origin": {
    "Description": null,
    "Street": null,
    "StreetExtra": null,
    "PostalCode": "16508",
    "City": null,
    "State": null,
    "Country": {
      "Code": "US",
      "Name": "United States",
      "UsesPostalCode": true
    },
    "SpecialInstructions": null,
    "GeneralInfo": null,
    "Direction": null,
    "Email": null,
    "Contact": null,
    "Phone": null,
  },
}
```



```
    "Fax": null,
    "Mobile": null,
    "ContactComment": null
  },
  "Destination": {
    "Description": null,
    "Street": null,
    "StreetExtra": null,
    "PostalCode": "12345",
    "City": null,
    "State": null,
    "Country": {
      "Code": "US",
      "Name": "United States",
      "UsesPostalCode": true
    },
    "SpecialInstructions": null,
    "GeneralInfo": null,
    "Direction": null,
    "Email": null,
    "Contact": null,
    "Phone": null,
    "Fax": null,
    "Mobile": null,
    "ContactComment": null
  },
  "ReferenceNumber": null,
  "PurchaseOrder": null,
  "ShipperBOL": null,
  "OverrideApiRatingDates": false,
  "DisableApiBookingNotifications": false,
  "CustomReferences": null,
  "ShipmentDate": "2018-02-23T11:52:32.3905344-05:00",
  "EarliestPickup": {
    "Time": "08:00"
  },
  "LatestPickup": {
    "Time": "17:00"
  },
  "EarliestDelivery": null,
  "LatestDelivery": null,
  "Items": [{
    "Weight": 1000.0,
    "PackagingQuantity": 1,
    "SaidToContain": 1,
    "Height": 40.0,
    "Width": 48.0,
    "Length": 48.0,
    "Stackable": false,
    "HazardousMaterial": false,
    "DeclaredValue": 100.0,
    "Description": "Test Type",
    "Comment": "",
    "NationalMotorFreightClassification": ""
  }]
```



```

    "HarmonizedTariffSchedule": "",
    "Packaging": {
      "Key": 258,
      "PackageName": "Pallets",
      "DefaultLength": 0.0,
      "DefaultHeight": 0.0,
      "DefaultWidth": 0.0
    },
    "FreightClass": {
      "FreightClass": 77.5
    }
  },
  "Accessorials": null,
  "DeclineAdditionalInsuranceIfApplicable": true,
  "HazardousMaterialShipment": false,
  "HazardousMaterialContactName": null,
  "HazardousMaterialContactPhone": null,
  "HazardousMaterialContactMobile": null,
  "HazardousMaterialContactEmail": null,
  "AvailableRates": null,
  "SelectedRate": {
    "CarrierKey": "63",
    "CarrierName": "Con Way",
    "CarrierScac": "CNWY",
    "BilledWeight": 1000.0,
    "RatedWeight": 1000.0,
    "RatedCubicFeet": 53.333333333333333333333333333333,
    "TransitTime": 1,
    "EstimatedDeliveryDate": "2018-02-26T17:00:00-05:00",
    "ServiceMode": 0,
    "FreightCharges": 178.9452000000,
    "FuelCharges": 45.30892464000000,
    "AccessorialCharges": 0.0,
    "ServiceCharges": 0.0,
    "TotalCharges": 224.25412464000000,
    "Mileage": 0.0,
    "MileageSourceKey": 0,
    "MileageSourceDescription": null,
    "BillingDetails": [{
      "ReferenceNumber": "",
      "ReferenceType": 2,
      "BillingCode": "DILT",
      "Description": "LTL FREIGHT",
      "Category": 0,
      "AmountDue": 178.9452000000
    }, {
      "ReferenceNumber": "",
      "ReferenceType": 2,
      "BillingCode": "FS",
      "Description": "FUEL",
      "Category": 1,
      "AmountDue": 45.30892464000000
    }
  ]
}

```



```

    },
    "GuarOptions": [{
      "ReferenceNumber": "123",
      "ReferenceNumberType": 0,
      "BillingCode": "",
      "Category": 0,
      "Description": "",
      "AmountDue": 0.0,
    }],
    "SelectedGuarOption": null
  },
  "BookedRate": null,
  "ReturnConfirmations": null,
  "Messages": null,
  "ContainsErrorMessage": false
}

```

### Book Request

Field	Type	Required/ Optional	Description
WSShipment2	Complex	Required	
WSShipment2 .BookingReferenceNumber	String		Ignored on request.
WSShipment2 .BookingReferenceNumberType	String		Ignored on request.
WSShipment2 .Origin	Complex	Required	Origin location information
WSShipment2 .Origin .Description	String	Required	Name or description of location. Maximum length 50 characters.
WSShipment2 .Origin .Street	String	Required	Street name. Maximum length 50 characters.
WSShipment2 .Origin .StreetExtra	String	Optional	Street name extra. Maximum length 50 characters.
WSShipment2 .Origin .PostalCode	String	Required	Postal code. Maximum length 10 characters.
WSShipment2 .Origin .City	String	Required	City. Maximum length 50 characters
WSShipment2 .Origin .State	String	Required	State. Maximum length 50 characters
WSShipment2 .Origin .Country	Complex	Required	Use one of the countries retrieved from service. See section 2.4 or 2.6.
WSShipment2 .Origin .Country.Code	String	Required	Country code.



<b>WSShipment2 .Origin .Country.Name</b>	String	Optional	Country name.
<b>WSShipment2 .Origin .Country.UsesPostalCode</b>	Boolean	Required	Indicates that country uses postal code.
<b>WSShipment2 .Origin .SpecialInstructions</b>	String	Optional	Maximum length 500 characters.
<b>WSShipment2 .Origin .GeneralInfo</b>	String	Optional	For location. Maximum length 2000 characters.
<b>WSShipment2 .Origin .Direction</b>	String	Optional	To Location. Maximum length 1000 characters.
<b>WSShipment2 .Origin .Email</b>	String	Optional	Maximum length 100 characters.
<b>WSShipment2 .Origin .Contact</b>	String	Required	Contact person. Maximum length 50 characters.
<b>WSShipment2 .Origin .Phone</b>	String	Required	Maximum length 50 characters.
<b>WSShipment2 .Origin .Fax</b>	String	Optional	Maximum length 50 characters.
<b>WSShipment2 .Origin .Mobile</b>	String	Optional	Maximum length 50 characters.
<b>WSShipment2 .Destination</b>	Complex	Required	Destination location information
<b>WSShipment2 .Destination .Description</b>	String	Required	Name or description of location. Maximum length 50 characters.
<b>WSShipment2 .Destination .Street</b>	String	Required	Street name. Maximum length 50 characters.
<b>WSShipment2 .Destination .StreetExtra</b>	String	optional	Street name extra. Maximum length 50 characters.
<b>WSShipment2 .Destination .PostalCode</b>	String	Required	Postal code. Maximum length 10 characters.
<b>WSShipment2 .Destination .City</b>	String	Required	City. Maximum length 50 characters
<b>WSShipment2 .Destination .State</b>	String	Required	State. Maximum length 50 characters
<b>WSShipment2 .Destination .Country</b>	Complex	Required	Use one of the countries retrieved from service. See section 2.4 or 2.6.
<b>WSShipment2 .Destination .Country.Code</b>	String	Required	Country code.
<b>WSShipment2 .Destination .Country.Name</b>	String	Optional	Country name.
<b>WSShipment2 .Destination .Country.UsesPostalCode</b>	Boolean	Optional	Indicates that country uses postal code.
<b>WSShipment2 .Destination .SpecialInstructions</b>	String	Optional	Maximum length 500 characters.



<b>WSShipment2. Destination .GeneralInfo</b>	String	Optional	For location. Maximum length 2000 characters.
<b>WSShipment2. Destination .Direction</b>	String	Optional	To location. Maximum length 2000 characters.
<b>WSShipment2. Destination .Email</b>	String	Optional	Maximum length 100 characters.
<b>WSShipment2. Destination .Contact</b>	String	Required	Contact person. Maximum length 50 characters.
<b>WSShipment2. Destination .Phone</b>	String	Required	Maximum length 50 characters.
<b>WSShipment2. Destination .Fax</b>	String	Optional	Maximum length 50 characters.
<b>WSShipment2. Destination .Mobile</b>	String	Optional	Maximum length 50 characters.
<b>WSShipment2. Destination .ContactComment</b>	String	Optional	Maximum length 200 characters.
<b>WSShipment2. ReferenceNumber</b>	String	Optional	Shipper reference number. Maximum length 50 characters.
<b>WSShipment2. PurchaseOrder</b>	String	Optional	Purchase Order Number. Maximum length 50 characters.
<b>WSShipment2 .ShipperBOL</b>	String		Ignored on request.
<b>WSShipment2 .CustomerReferences</b>	Complex (multiple)	Optional	Custom customer reference. Zero or more. NOTE: if account has required references in setup, they are required here.
<b>WSShipment2 .CustomerReferences .Name</b>	String	Required	Maximum length 50 characters.
<b>WSShipment2 .CustomerReferences .Value</b>	String	Optional	Required if field is marked as required or account setup requires field. Maximum length 50 characters.
<b>WSShipment2 .CustomerReferences .Required</b>	Boolean	Required	True or False.
<b>WSShipment2 .DesiredShipmentDate</b>	DateTime	Required	Value must be between 1/1/1753 and 12/31/9999
<b>WSShipment2 .EarliestPickup</b>	Complex	Required	Use one of the times retrieved from service. See section 2.5 or 2.6.
<b>WSShipment2. EarliestPickup .Time</b>	String	Required	
<b>WSShipment2 .LatestPickup</b>	Complex	Required	Use one of the times retrieved from service. See section 2.5 or 2.6.



<b>WSShipment2 .LatestPickup .Time</b>	String	Required	
<b>WSShipment2 .EarliestDelivery</b>	Complex	Required	Use one of the times retrieved from service. See section 2.5 or 2.6.
<b>WSShipment2 .EarliestDelivery .Time</b>	String	Required	
<b>WSShipment2 .LatestDelivery</b>	Complex	Required	Use one of the times retrieved from service. See section 2.5 or 2.6.
<b>WSShipment2 .LatestDelivery .Time</b>	String	Required	
<b>WSShipment2 .Items</b>	Complex (multiple)	Required	One or more.
<b>WSShipment2 .Items .Weight</b>	Decimal	Required	Value between 0 and 99999999.9999 in pounds (lb).
<b>WSShipment2 .Items .PackagingQuantity</b>	Int	Required	Must be greater than zero.
<b>WSShipment2 .Items .SaidToContain</b>	Int	Optional	Must be greater than or equal to zero. Also known as piece count.
<b>WSShipment2 .Items .Length</b>	Decimal	Required	Value between 0 and 9999.9999 in inches (in).
<b>WSShipment2 .Items .Width</b>	Decimal	Required	Value between 0 and 9999.9999 in inches (in).
<b>WSShipment2 .Items .Height</b>	Decimal	Required	Value between 0 and 9999.9999 in inches (in).
<b>WSShipment2 .Items .Stackable</b>	Boolean	Required	True or false.
<b>WSShipment2 .Items .HazardousMaterial</b>	Boolean	Required	True or false. If Shipment is marked as hazmat and no other items are marked as such, all items will be marked as hazmat.
<b>WSShipment2 .Items .DeclaredValue</b>	Decimal	Optional	Value between 0 and 99999999999999.9999 in USD (\$).
<b>WSShipment2 .Items .Description</b>	String	Required	Item description. Maximum length 100 characters.
<b>WSShipment2 .Items .NationalMotorFreight Classification</b>	String	Optional	NMFC. Maximum length 50 characters.
<b>WSShipment2 .Items .HarmonizedTariffSchedule</b>	String	Optional	HTS. Maximum length 50 characters.
<b>WSShipment2 .Items .Packaging</b>	Complex	Required	Use one of the package options retrieved from service. See section 2.3 or 2.6.



<b>WSShipment2 .Items .Packaging .Key</b>	Long	Required	
<b>WSShipment2 .Items .Packaging .PackageName</b>	String	Optional	
<b>WSShipment2 .Items .Packaging .DefaultLength</b>	Decimal	Optional	
<b>WSShipment2 .Items .Packaging .DefaultWidth</b>	Decimal	Optional	
<b>WSShipment2 .Items .Packaging .DefaultHeight</b>	Decimal	Optional	
<b>WSShipment2 .Items .FreightClass</b>	Complex	Optional	Use one of the freight class options retrieved from service. See section 2.2 or 2.6. NOTE: Freight Class Required for LessThanTruckload shipments.
<b>WSShipment2 .Items .FreightClass .FreightClass</b>	Double	Required	
<b>WSShipment2 .Accessorial</b>	Complex (multiple)	Optional	Zero or more. Use one of the accessorial service options retrieved from service. See section 2.1 or 2.6.
<b>WSShipment2 .Accessorial .ServiceCode</b>	String	Required	
<b>WSShipment2 .Accessorial .ServiceDescription</b>	String	Optional	
<b>WSShipment2 .Accessorial .BillingCode</b>	String	Optional	
<b>WSShipment2 .DeclineAdditionalInsurance IfApplicable</b>	Boolean	Required	True or False. Only applies if customer setup has additional insurance enabled.
<b>WSShipment2 .HazardousMaterialShipment</b>	Boolean	Required	True or False.
<b>WSShipment2 .HazardousMaterialContact Name</b>	String	Optional	Maximum length 50 characters. NOTE: Required if HazardousmaterialShipment = True.
<b>WSShipment2 .HazardousMaterialContact Phone</b>	String	Optional	Maximum length 50 characters. NOTE: Required if HazardousmaterialShipment = True.
<b>WSShipment2 .HazardousMaterialContact Mobile</b>	String	Optional	Maximum length 50 characters.





<b>WSShipment2 .HazardousMaterialContact Email</b>	String	Optional	Maximum length 50 characters.
<b>WSShipment2 .AvailableRates</b>	Complex (multiple)		Ignored on request.
<b>WSShipment2 .SelectedRate</b>	Complex (multiple)	Required	Use one of the available rates returned from rate service call. See section 2.16.
<b>WSShipment2 .SelectedRate .CarrierKey</b>	String	Required	As returned.
<b>WSShipment2 .SelectedRate .CarrierName</b>	String	Optional	Ignored.
<b>WSShipment2 .SelectedRate .CarrierScac</b>	String	Required	As returned.
<b>WSShipment2 .SelectedRate .BilledWeight</b>	Decimal	Required	As returned.
<b>WSShipment2 .SelectedRate .RatedWeight</b>	Decimal	Conditional	As returned.
<b>WSShipment2 .SelectedRate .RatedCubicFeet</b>	Decimal	Conditional	As returned.
<b>WSShipment2 .SelectedRate .TransitTime</b>	Int	Required	As returned.
<b>WSShipment2 .SelectedRate .EstimatedDeliveryDate</b>	DateTime	Required	As returned.
<b>WSShipment2 .SelectedRate .ServiceMode</b>	Enum	Required	As returned.
<b>WSShipment2 .SelectedRate .FreightCharges</b>	Decimal	Required	As returned.
<b>WSShipment2 .SelectedRate .FuelCharges</b>	Decimal	Required	As returned.
<b>WSShipment2 .SelectedRate .AccessorialCharges</b>	Decimal	Required	As returned.
<b>WSShipment2 .SelectedRate .ServiceCharges</b>	Decimal	Required	As returned.



<b>WSShipment2 .SelectedRate .TotalCharges</b>	Decimal	Required	As returned.
<b>WSShipment2 .SelectedRate .Mileage</b>	Decimal	Required	As returned.
<b>WSShipment2 .SelectedRate .MileageSourceKey</b>	Long	Required	As returned.
<b>WSShipment2 .SelectedRate .MileageSourceDescription</b>	String	Optional	
<b>WSShipment2 .SelectedRate .BillingDetails</b>	Complex (multiple)		Ignored on request.
<b>WSShipment2 .SelectedRate .GuarOptions</b>	Complex (multiple)		Ignored on request.
<b>WSShipment2 .SelectedRate .SelectedGuarOption</b>	Complex	Optional	Use one of the GuarOptions BillingDetails within SelectedRate
<b>WSShipment2 .SelectedRate .SelectedGuarOption .ReferenceNumber</b>	String	Required	As returned.
<b>WSShipment2 .SelectedRate .SelectedGuarOption .ReferenceNumberType</b>	Enum	Required	DetailReferenceType: 0 for Shipment, 1 for ServiceTicket, or 2 for Miscellaneous. As returned.
<b>WSShipment2 .SelectedRate .SelectedGuarOption .BillingCode</b>	String	Required	As returned
<b>WSShipment2 .SelectedRate .SelectedGuarOption .Category</b>	Enum	Required	ChargeCodeCategory: 0 for Freight, 1 for Fuel, 2 for Accessorial, or 3 for Service. As returned.
<b>WSShipment2 .SelectedRate .SelectedGuarOption .Description</b>	String	Required	Billing Code description. As returned
<b>WSShipment2 .SelectedRate .SelectedGuarOption .AmountDue</b>	Decimal	Required	Billing amount. As returned
<b>WSShipment2 .BookedRate</b>	Complex (multiple)		Ignored on request.



<b>WSShipment2</b> <b>.ReturnConfirmations</b>	Complex (multiple)		Ignored on request.
<b>WSShipment2</b> . <b>ContainsErrorMessage</b>	Boolean		Ignored on request.
<b>WSShipment2</b> . <b>Messages</b>	Complex (multiple)		Ignored on request.

#### 2.17.4 Output

```
{
  "BookingReferenceNumber": "abc123",
  "BookingReferenceNumberType": 2,
  "Origin": {
    "Description": null,
    "Street": null,
    "StreetExtra": null,
    "PostalCode": "16508",
    "City": null,
    "State": null,
    "Country": {
      "Code": "US",
      "Name": "United States",
      "UsesPostalCode": true
    },
    "SpecialInstructions": null,
    "GeneralInfo": null,
    "Direction": null,
    "Email": null,
    "Contact": null,
    "Phone": null,
    "Fax": null,
    "Mobile": null,
    "ContactComment": null
  },
  "Destination": {
    "Description": null,
    "Street": null,
    "StreetExtra": null,
    "PostalCode": "12345",
    "City": null,
    "State": null,
    "Country": {
      "Code": "US",
      "Name": "United States",
      "UsesPostalCode": true
    },
    "SpecialInstructions": null,
    "GeneralInfo": null,
    "Direction": null,
    "Email": null,
    "Contact": null,
  }
}
```



```
    "Phone": null,
    "Fax": null,
    "Mobile": null,
    "ContactComment": null
  },
  "ReferenceNumber": null,
  "PurchaseOrder": null,
  "ShipperBOL": null,
  "OverrideApiRatingDates": false,
  "DisableApiBookingNotifications": false,
  "CustomReferences": null,
  "ShipmentDate": "2018-02-23T11:52:32.3905344-05:00",
  "EarliestPickup": {
    "Time": "08:00"
  },
  "LatestPickup": {
    "Time": "17:00"
  },
  "EarliestDelivery": null,
  "LatestDelivery": null,
  "Items": [{
    "Weight": 1000.0,
    "PackagingQuantity": 1,
    "SaidToContain": 1,
    "Height": 40.0,
    "Width": 48.0,
    "Length": 48.0,
    "Stackable": false,
    "HazardousMaterial": false,
    "DeclaredValue": 100.0,
    "Description": "Test Type",
    "Comment": "",
    "NationalMotorFreightClassification": "",
    "HarmonizedTariffSchedule": "",
    "Packaging": {
      "Key": 258,
      "PackageName": "Pallets",
      "DefaultLength": 0.0,
      "DefaultHeight": 0.0,
      "DefaultWidth": 0.0
    },
    "FreightClass": {
      "FreightClass": 77.5
    }
  }
],
  "Accessorials": null,
  "DeclineAdditionalInsuranceIfApplicable": true,
  "HazardousMaterialShipment": false,
  "HazardousMaterialContactName": null,
  "HazardousMaterialContactPhone": null,
  "HazardousMaterialContactMobile": null,
  "HazardousMaterialContactEmail": null,
  "AvailableRates": null,
```



```
"SelectedRate": {
  "CarrierKey": "63",
  "CarrierName": "Con Way",
  "CarrierScac": "CNWY",
  "BilledWeight": 1000.0,
  "RatedWeight": 1000.0,
  "RatedCubicFeet": 53.333333333333333333333333333333,
  "TransitTime": 1,
  "EstimatedDeliveryDate": "2018-02-26T17:00:00-05:00",
  "ServiceMode": 0,
  "FreightCharges": 178.9452000000,
  "FuelCharges": 45.30892464000000,
  "AccessorialCharges": 0.0,
  "ServiceCharges": 0.0,
  "TotalCharges": 224.25412464000000,
  "Mileage": 0.0,
  "MileageSourceKey": 0,
  "MileageSourceDescription": null,
  "BillingDetails": [{
    "ReferenceNumber": "",
    "ReferenceType": 2,
    "BillingCode": "DILTL",
    "Description": "LTL FREIGHT",
    "Category": 0,
    "AmountDue": 178.9452000000
  }, {
    "ReferenceNumber": "",
    "ReferenceType": 2,
    "BillingCode": "FS",
    "Description": "FUEL",
    "Category": 1,
    "AmountDue": 45.30892464000000
  }
],
  "GuarOptions": [],
  "SelectedGuarOption": null
},
"SelectedRate": {
  "CarrierKey": "63",
  "CarrierName": "Con Way",
  "CarrierScac": "CNWY",
  "BilledWeight": 1000.0,
  "RatedWeight": 1000.0,
  "RatedCubicFeet": 53.333333333333333333333333333333,
  "TransitTime": 1,
  "EstimatedDeliveryDate": "2018-02-26T17:00:00-05:00",
  "ServiceMode": 0,
  "FreightCharges": 178.9452000000,
  "FuelCharges": 45.30892464000000,
  "AccessorialCharges": 0.0,
  "ServiceCharges": 0.0,
  "TotalCharges": 224.25412464000000,
  "Mileage": 0.0,
  "MileageSourceKey": 0,
```



```
"MileageSourceDescription": null,
"BillingDetails": [{
  "ReferenceNumber": "",
  "ReferenceType": 2,
  "BillingCode": "DILTL",
  "Description": "LTL FREIGHT",
  "Category": 0,
  "AmountDue": 178.9452000000
}, {
  "ReferenceNumber": "",
  "ReferenceType": 2,
  "BillingCode": "FS",
  "Description": "FUEL",
  "Category": 1,
  "AmountDue": 45.30892464000000
}
],
"GuarOptions": [{
  "ReferenceNumber": "123",
  "ReferenceNumberType": 0,
  "BillingCode": "",
  "Category": 0,
  "Description": "",
  "AmountDue": 0.0,
}],
"SelectedGuarOption": {
  "ReferenceNumber": "123",
  "ReferenceNumberType": 0,
  "BillingCode": "",
  "Category": 0,
  "Description": "",
  "AmountDue": 0.0,
}
},
"ReturnConfirmations": {
  "DocType": 0,
  "DocImage": "",
  "Html": "",
  "Name": ""
},
"Messages": [{
  "Value": "",
  "Type": 0
}],
"ContainsErrorMessage": false
}
```



## Book Response

Field	Type	Returned	Description
<b>WSShipment2</b>	Complex	Required	
<b>WSShipment2 .BookingReferenceNumber</b>	String	Conditional	Present unless errors in processing. See message for errors.
<b>WSShipment2 .BookingReferenceNumberType</b>	String	Conditional	Present unless errors in processing. See message for errors.
<b>WSShipment2 .Origin</b>	Complex	Always	
<b>WSShipment2 .Origin .Description</b>	String	Always	As submitted.
<b>WSShipment2 .Origin .Street</b>	String	Always	As submitted.
<b>WSShipment2 .Origin .StreetExtra</b>	String	Always	As submitted.
<b>WSShipment2 .Origin .PostalCode</b>	String	Always	As submitted.
<b>WSShipment2 .Origin .City</b>	String	Always	As submitted.
<b>WSShipment2 .Origin .State</b>	String	Always	As submitted.
<b>WSShipment2 .Origin .Country</b>	Complex	Always	
<b>WSShipment2 .Origin .Country.Code</b>	String	Always	As submitted.
<b>WSShipment2 .Origin .Country.Name</b>	String	Conditional	If submitted.
<b>WSShipment2 .Origin .Country.UsesPostalCode</b>	Boolean	Always	As submitted.
<b>WSShipment2 .Origin .SpecialInstructions</b>	String	Conditional	If submitted.
<b>WSShipment2 .Origin .GeneralInfo</b>	String	Conditional	If submitted.
<b>WSShipment2 .Origin .Direction</b>	String	Conditional	If submitted.
<b>WSShipment2 .Origin .Email</b>	String	Conditional	If submitted.
<b>WSShipment2 .Origin .Contact</b>	String	Always	As submitted.
<b>WSShipment2 .Origin .Phone</b>	String	Always	As submitted.
<b>WSShipment2 .Origin .Fax</b>	String	Conditional	If submitted.



<b>WSShipment2.Origin .Mobile</b>	String	Conditional	If submitted.
<b>WSShipment2.Destination</b>	Complex	Always	
<b>WSShipment2. Destination .Description</b>	String	Always	As submitted.
<b>WSShipment2. Destination .Street</b>	String	Always	As submitted.
<b>WSShipment2. Destination .StreetExtra</b>	String	Always	As submitted.
<b>WSShipment2. Destination .PostalCode</b>	String	Always	As submitted.
<b>WSShipment2. Destination .City</b>	String	Always	As submitted.
<b>WSShipment2. Destination .State</b>	String	Always	As submitted.
<b>WSShipment2. Destination .Country</b>	Complex	Always	
<b>WSShipment2. Destination .Country.Code</b>	String	Always	As submitted.
<b>WSShipment2. Destination .Country.Name</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .Country.UsesPostalCode</b>	Boolean	Conditional	As submitted.
<b>WSShipment2. Destination .SpecialInstructions</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .GeneralInfo</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .Direction</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .Email</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .Contact</b>	String	Always	As submitted.
<b>WSShipment2. Destination .Phone</b>	String	Always	As submitted.
<b>WSShipment2. Destination .Fax</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .Mobile</b>	String	Conditional	If submitted.
<b>WSShipment2.Destination .ContactComment</b>	String	Conditional	If submitted.





<b>WSShipment2.ReferenceNumber</b>	String	Conditional	If submitted.
<b>WSShipment2.PurchaseOrder</b>	String	Conditional	If submitted.
<b>WSShipment2 .ShipperBOL</b>	String	Conditional	If applicable to account.
<b>WSShipment2 .CustomerReferences</b>	Complex (multiple)	Conditional	If submitted.
<b>WSShipment2 .CustomerReferences .Name</b>	String	Always	As submitted.
<b>WSShipment2 .CustomerReferences .Value</b>	String	Conditional	If submitted.
<b>WSShipment2 .CustomerReferences .Required</b>	Boolean	Always	As submitted.
<b>WSShipment2 .DesiredShipmentDate</b>	DateTime	Always	As submitted.
<b>WSShipment2 .EarliestPickup</b>	Complex	Always	As submitted.
<b>WSShipment2.EarliestPickup .Time</b>	String	Always	
<b>WSShipment2 .LatestPickup</b>	Complex	Always	As submitted
<b>WSShipment2 .LatestPickup .Time</b>	String	Always	
<b>WSShipment2 .EarliestDelivery</b>	Complex	Always	As submitted.
<b>WSShipment2 .EarliestDelivery .Time</b>	String	Always	
<b>WSShipment2 .LatestDelivery</b>	Complex	Always	As submitted.
<b>WSShipment2 .LatestDelivery .Time</b>	String	Always	
<b>WSShipment2 .Items</b>	Complex (multiple)	Always	
<b>WSShipment2 .Items .Weight</b>	Decimal	Always	As submitted.
<b>WSShipment2 .Items .PackagingQuantity</b>	Int	Always	As submitted.
<b>WSShipment2 .Items .SaidToContain</b>	Int	Conditional	As submitted.
<b>WSShipment2 .Items .Length</b>	Decimal	Always	As submitted.



<b>WSShipment2 .Items .Width</b>	Decimal	Always	As submitted.
<b>WSShipment2 .Items .Height</b>	Decimal	Always	As submitted.
<b>WSShipment2 .Items .Stackable</b>	Boolean	Always	As submitted.
<b>WSShipment2 .Items .HazardousMaterial</b>	Boolean	Always	As submitted.
<b>WSShipment2 .Items .DeclaredValue</b>	Decimal	Always	As submitted.
<b>WSShipment2 .Items .Description</b>	String	Always	As submitted.
<b>WSShipment2 .Items .NationalMotorFreight Classification</b>	String	Conditional	If submitted.
<b>WSShipment2 .Items .HarmonizedTariffSchedule</b>	String	Conditional	If submitted.
<b>WSShipment2 .Items .Packaging</b>	Complex	Always	
<b>WSShipment2 .Items .Packaging .Key</b>	Long	Always	
<b>WSShipment2 .Items .Packaging .PackageName</b>	String	Conditional	
<b>WSShipment2 .Items .Packaging .DefaultLength</b>	Decimal	Conditional	
<b>WSShipment2 .Items .Packaging .DefaultWidth</b>	Decimal	Conditional	
<b>WSShipment2 .Items .Packaging .DefaultHeight</b>	Decimal	Conditional	
<b>WSShipment2 .Items .FreightClass</b>	Complex	Conditional	If submitted.
<b>WSShipment2 .Items .FreightClass .FreightClass</b>	Double	Always	
<b>WSShipment2 .Accessorials</b>	Complex (multiple)	Conditional	If submitted.
<b>WSShipment2 .Accessorials .ServiceCode</b>	String	Always	
<b>WSShipment2 .Accessorials .ServiceDescription</b>	String	Conditional	As submitted
<b>WSShipment2 .Accessorials .BillingCode</b>	String	Conditional	As submitted



<b>WSShipment2 .DeclineAdditionalInsurance IfApplicable</b>	Boolean	Always	As submitted.
<b>WSShipment2 .HazardousMaterialShipme nt</b>	Boolean	Always	As submitted.
<b>WSShipment2 .HazardousMaterialContact Name</b>	String	Always	As submitted.
<b>WSShipment2 .HazardousMaterialContact Phone</b>	String	Always	As submitted.
<b>WSShipment2 .HazardousMaterialContact Mobile</b>	String	Conditional	If submitted.
<b>WSShipment2 .HazardousMaterialContact Email</b>	String	Conditional	If submitted.
<b>WSShipment2 .AvailableRates</b>	Complex (multiple)	Conditional	Zero or more rates available for shipment configuration. Can be null in case of errors.
<b>WSShipment2 .AvailableRates .CarrierKey</b>	String	Always	For service mode Truckload = "[Contract]"
<b>WSShipment2 .AvailableRates .CarrierName</b>	String	Always	For service mode Truckload = "[Contract]"
<b>WSShipment2 .AvailableRates .CarrierScac</b>	String	Conditional	If present for carrier.
<b>WSShipment2 .AvailableRates .BilledWeight</b>	Decimal	Conditional	Present for service mode LessThanTruckload, SmallPackage
<b>WSShipment2 .AvailableRates .RatedWeight</b>	Decimal	Conditional	Present for service mode LessThanTruckload
<b>WSShipment2 .AvailableRates .RatedCubicFeet</b>	Decimal	Conditional	Present for service mode LessThanTruckload
<b>WSShipment2 .AvailableRates .TransitTime</b>	Int	Conditional	Present for service mode LessThanTruckload, SmallPackage
<b>WSShipment2 .AvailableRates .EstimatedDeliveryDate</b>	DateTime	Conditional	Present for service mode LessThanTruckload, SmallPackage.



WSShipment2 .AvailableRates .ServiceMode	Enum	Always	ServiceMode: 0 for LessThanTruckload, 1 for Truckload, 2 for Air, 3 for Rail, 4 for SmallPackage or 5 for NotApplicable
WSShipment2 .AvailableRates .FreightCharges	Decimal	Always	
WSShipment2 .AvailableRates .FuelCharges	Decimal	Always	
WSShipment2 .AvailableRates .AccessorialCharges	Decimal	Always	
WSShipment2 .AvailableRates .ServiceCharges	Decimal	Always	
WSShipment2 .AvailableRates .TotalCharges	Decimal	Always	Sum total of Freight, Fuel, Accessorial and Service charges.
WSShipment2 .AvailableRates .Mileage	Decimal	Conditional	If available
WSShipment2 .AvailableRates .MileageSourceKey	Long	Conditional	If available
WSShipment2 .AvailableRates .MileageSourceDescription	String	Conditional	If available
WSShipment2 .AvailableRates .BillingDetails	Complex (multiple)	Always	One or more charge billing detail breakdown
WSShipment2 .AvailableRates .BillingDetails .ReferenceNumber	String		Ignored on rate response.
WSShipment2 .AvailableRates .BillingDetails .ReferenceNumberType	Enum		DetailReferenceType: 0 for Shipment, 1 for ServiceTicket, or 2 for Miscellaneous. Ignored on rate response.
WSShipment2 .AvailableRates .BillingDetails .BillingCode	String	Always	
WSShipment2 .AvailableRates .BillingDetails .Category	Enum	Always	ChargeCodeCategory: 0 for Freight, 1 for Fuel, 2 for Accessorial, or 3 for Service.



<b>WSShipment2</b> <b>.AvailableRates</b> <b>.BillingDetails .Description</b>	String	Always	Billing Code description.
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.BillingDetails .AmountDue</b>	Decimal	Always	Billing amount
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.GuarOptions</b>	Complex (multiple)	Conditional	One or more charge billing detail breakdown. Present if available
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.GuarOptions</b> <b>.ReferenceNumber</b>	String		Ignored on response.
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.GuarOptions</b> <b>.ReferenceNumberType</b>	Enum		DetailReferenceType: 0 for Shipment, 1 for ServiceTicket, or 2 for Miscellaneous. Ignored on response.
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.GuarOptions .BillingCode</b>	String	Always	
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.GuarOptions .Category</b>	Enum	Always	ChargeCodeCategory: 0 for Freight, 1 for Fuel, 2 for Accessorial, or 3 for Service.
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.GuarOptions .Description</b>	String	Always	Billing Code description.
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.GuarOptions .AmountDue</b>	Decimal	Always	Billing amount
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.SelectedGuarOption</b>	Complex	Conditional	As submitted
<b>WSShipment2</b> <b>.SelectedRate</b>	Complex (multiple)	Always	As submitted
<b>WSShipment2 .BookedRate</b>	Complex (multiple)	Conditional	Present if no error in processing. See messages for errors
<b>WSShipment2 . BookedRate</b> <b>.CarrierKey</b>	String	Always	For service mode Truckload = "[Contract]"
<b>WSShipment2 . BookedRate</b> <b>.CarrierName</b>	String	Always	For service mode Truckload = "[Contract]"



<b>WSShipment2 . BookedRate .CarrierScac</b>	String	Conditional	If present for carrier.
<b>WSShipment2 . BookedRate .BilledWeight</b>	Decimal	Conditional	Present for service mode LessThanTruckload, SmallPackage
<b>WSShipment2 .BookedRate .RatedWeight</b>	Decimal	Conditional	Present for service mode LessThanTruckload
<b>WSShipment2 . BookedRate. RatedCubicFeet</b>	Decimal	Conditional	Present for service mode LessThanTruckload
<b>WSShipment2 . BookedRate .TransitTime</b>	Int	Conditional	Present for service mode LessThanTruckload, SmallPackage
<b>WSShipment2 .BookedRate .EstimatedDeliveryDate</b>	DateTime	Conditional	Present for service mode LessThanTruckload, SmallPackage.
<b>WSShipment2 . BookedRate .ServiceMode</b>	Enum	Always	ServiceMode: 0 for LessThanTruckload, 1 for Truckload, 2 for Air, 3 for Rail, 4 for SmallPackage or 5 for NotApplicable
<b>WSShipment2 . BookedRate .FreightCharges</b>	Decimal	Always	
<b>WSShipment2 . BookedRate .FuelCharges</b>	Decimal	Always	
<b>WSShipment2 . BookedRate .AccessorialCharges</b>	Decimal	Always	
<b>WSShipment2 . BookedRate .ServiceCharges</b>	Decimal	Always	
<b>WSShipment2 . BookedRate .TotalCharges</b>	Decimal	Always	Sum total of Freight, Fuel, Accessorial and Service charges.
<b>WSShipment2 . BookedRate .Mileage</b>	Decimal	Conditional	If available
<b>WSShipment2 . BookedRate .MileageSourceKey</b>	Long	Conditional	If available
<b>WSShipment2 . BookedRate .MileageSourceDescription</b>	String	Conditional	If available
<b>WSShipment2 . BookedRate .BillingDetails</b>	Complex (multiple)	Always	One or more charge billing detail breakdown
<b>WSShipment2 . BookedRate .BillingDetails .ReferenceNumber</b>	String		Ignored on rate response.



<b>WSShipment2 . BookedRate .BillingDetails .ReferenceNumberType</b>	Enum		DetailReferenceType: 0 for Shipment, 1 for ServiceTicket, or 2 for Miscellaneous. Ignored on rate response.
<b>WSShipment2 . BookedRate .BillingDetails .BillingCode</b>	String	Always	
<b>WSShipment2 . BookedRate .BillingDetails .Category</b>	Enum	Always	ChargeCodeCategory: 0 for Freight, 1 for Fuel, 2 for Accessorial, or 3 for Service.
<b>WSShipment2 . BookedRate .BillingDetails .Description</b>	String	Always	Billing Code description.
<b>WSShipment2 . BookedRate .BillingDetails .AmountDue</b>	Decimal	Always	Billing amount
<b>WSShipment2 . BookedRate .GuarOptions</b>	Complex (multiple)	Conditional	One or more charge billing detail breakdown. As submitted
<b>WSShipment2 . BookedRate .GuarOptions .ReferenceNumber</b>	String	Always	
<b>WSShipment2 . BookedRate .GuarOptions .ReferenceNumberType</b>	Enum	Always	DetailReferenceType: 0 for Shipment, 1 for ServiceTicket, or 2 for Miscellaneous.
<b>WSShipment2 . BookedRate .GuarOptions .BillingCode</b>	String	Always	
<b>WSShipment2 . BookedRate .GuarOptions .Category</b>	Enum	Always	ChargeCodeCategory: 0 for Freight, 1 for Fuel, 2 for Accessorial, or 3 for Service.
<b>WSShipment2 . BookedRate .GuarOptions .Description</b>	String	Always	Billing Code description.
<b>WSShipment2 . BookedRate .GuarOptions .AmountDue</b>	Decimal	Always	Billing amount
<b>WSShipment2 . BookedRate .SelectedGuarOption</b>	Complex	Conditional	One or more charge billing detail breakdown. Present if request had SelectedRate with SelectedGuarOption
<b>WSShipment2 . BookedRate .SelectedGuarOption .ReferenceNumber</b>	String	Always	
<b>WSShipment2 . BookedRate .SelectedGuarOption .ReferenceNumberType</b>	Enum	Always	DetailReferenceType: 0 for Shipment, 1 for ServiceTicket, or 2 for Miscellaneous.
<b>WSShipment2 . BookedRate .SelectedGuarOption .BillingCode</b>	String	Always	



<b>WSShipment2 . BookedRate .SelectedGuarOption .Category</b>	Enum	Always	ChargeCodeCategory: 0 for Freight, 1 for Fuel, 2 for Accessorial, or 3 for Service.
<b>WSShipment2 . BookedRate .SelectedGuarOption .Description</b>	String	Always	Billing Code description.
<b>WSShipment2 . BookedRate .SelectedGuarOption .AmountDue</b>	Decimal	Always	Billing amount
<b>WSShipment2 .ReturnConfirmations</b>	Complex (multiple)	Conditional	If no errors, will contain bill of lading (and small package shipping label for SmallPackage service mode).
<b>WSShipment2 .ReturnConfirmations .DocType</b>	Enum	Always	DocumentType: 0 for Pdf, 1 for Html, 2 for Png or 3 for Gif.
<b>WSShipment2 .ReturnConfirmations .DocImage</b>	Byte[]	Always	Document content in binary.
<b>WSShipment2 .ReturnConfirmations .Html</b>	String	Conditional	Currently Ignored. May be available as bill of lading in html format.
<b>WSShipment2 .ReturnConfirmations .Name</b>	String	Always	Document name.
<b>WSShipment2. ContainsErrorMessage</b>	Boolean	Always	True if Messages contains at least one error message. False otherwise.
<b>WSShipment2 .Messages</b>	Complex (multiple)	Conditional	Zero or more errors if present. Can be null.
<b>WSShipment2 .Messages .Value</b>	String	Always	Error message.
<b>WSShipment2 .Messages .Type</b>	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and 3 for Null.

## 2.18 GetShipmentStatus

### 2.18.1 URL

Method: POST  
URL: /GetShipmentStatus.aspx





## 2.18.2 Description

Retrieves the status of a specific shipment record.

## 2.18.3 Input

```
{
  "shipmentNumber"
}
```

### GetShipmentStatus Request

Field	Type	Required/ Optional	Description
shipmentNumber	String	Required	shipment number of record for which status is desired.

## 2.18.4 Output

```
{
  "ShipmentNumber": "56587",
  "Status": 0,
  "DateCreated": "2014-04-02T13:44:05.93",
  "EstimatePickupDate": "2014-03-26T00:00:00",
  "EstimateDeliveryDate": "2014-03-27T00:00:00",
  "ActualPickupDate": "1753-01-01T00:00:00",
  "ActualDeliveryDate": "1753-01-01T00:00:00",
  "IsPickedUp": false,
  "IsDelivered": false,
  "Mode": 0,
  "Pro": "",
  "VendorKey": "420",
  "VendorName": "New Penn Motor Express",
  "VendorScac": "NPME",
  "CheckCalls": [{
    "CallNotes": "Check call.",
    "EventDate": "2014-03-27T00:00:00",
    "CallDate": "2014-03-27T00:00:00",
    "StatusCode": "D1"
  }],
  "BillingDetails": [{
    "ReferenceNumber": "56587",
  }]
```



```

        "ReferenceType": 0,
        "BillingCode": "DILTL",
        "Description": "LESS THAN TRUCKLOAD FREIGHT",
        "Category": 0,
        "AmountDue": 77.0000
    }, {
        "ReferenceNumber": "56587",
        "ReferenceType": 0,
        "BillingCode": "FS",
        "Description": "FUEL",
        "Category": 1,
        "AmountDue": 21.5600
    }
],
"Documents": [{
}],
"Messages": [{
    "Value": "",
    "Type": 0
}],
"ContainsErrorMessage": false
}

```

### GetShipmentStatus Response

Field	Type	Returned	Description
WSShipmentStatus	Complex	Always	
WSShipmentStatus .ShipmentNumber	String	Conditional	If record found.
WSShipmentStatus .Status	Enum	Always	If record found. ShipmentStatus: 0 for Scheduled, 1 for InTransit, 2 for Delivered, 3 for Invoiced or 4 for Void.
WSShipmentStatus .DateCreated	DateTime	Always	Default current date.
WSShipmentStatus .EstimatePickupDate	DateTime	Always	Default current date.
WSShipmentStatus .EstimateDeliveryDate	DateTime	Always	Default current date.
WSShipmentStatus .ActualPickupDate	DateTime	Always	Value of 1/1/1753 00:00:00 is default value indicating no date.
WSShipmentStatus .ActualDeliveryDate	DateTime	Always	Value of 1/1/1753 00:00:00 is default value indicating no date.
WSShipmentStatus .IsPickedUp	Boolean	Always	True if ActualPickupDate is not equal to 1/1/1753 00:00:00
WSShipmentStatus .IsDelivered	Boolean	Always	True if ActualDeliveryDate is not equal to 1/1/1753 00:00:00



<b>WSShipmentStatus .Mode</b>	Enum	Always	ServiceMode: 0 for LessThanTruckload, 1 for Truckload, 2 for Air, 3 for Rail, 4 for SmallPackage or 5 for NotApplicable
<b>WSShipmentStatus .Pro</b>	String	Conditional	If present.
<b>WSShipmentStatus .VendorKey</b>	String	Conditional	If record found.
<b>WSShipmentStatus .VendorName</b>	String	Conditional	If record found.
<b>WSShipmentStatus .VendorScac</b>	String	Conditional	If record found and Scac present.
<b>WSShipmentStatus .CheckCalls</b>	Complex (multiple)	Conditional	If check calls are present for shipment. Can be null.
<b>WSShipmentStatus .CheckCalls .CallNotes</b>	String	Conditional	Message from check call if present.
<b>WSShipmentStatus .CheckCalls .EventDate</b>	String	Conditional	Date and time check call event occurred if present. Time may not be present.
<b>WSShipmentStatus .CheckCalls .CallDate</b>	String	Always	Date and time of check call. Time may not be present.
<b>WSShipmentStatus .CheckCalls .StatusCode</b>	String	Conditional	Check call status code if present. SEE Appendix section 3.1 for list of available codes and codes description.
<b>WSShipmentStatus .BillingDetail</b>	Complex (multiple)	Conditional	If shipment has charges. Can be null.
<b>WSShipmentStatus .BillingDetail.ReferenceNumber</b>	String	Always	Shipment number.
<b>WSShipmentStatus .BillingDetail.ReferenceType</b>	Enum	Always	Will always return 0 for Shipment
<b>WSShipmentStatus .BillingDetail.BillingCode</b>	String	Always	Charge code for the shipment charge,
<b>WSShipmentStatus .BillingDetail.Description</b>	String	Always	Charge Code description.
<b>WSShipmentStatus .BillingDetail.Category</b>	Enum	Always	Catrgory is: 0 for Freight, 1 for Fuel, 2 for Accessorial, and 3 for Service.
<b>WSShipmentStatus .BillingDetail.AmountDue</b>	Decimal	Always	Total amount due for this charge
<b>WSShipmentStatus .Documents</b>	Complex (multiple)	Conditional	If shipment has documents. Can be null.
<b>WSShipmentStatus .Documents.DocumentName</b>	String	Always	The name for the document.



<b>WSShipmentStatus .Documents.DocumentKey</b>	Bigint	Always	The key for the document.
<b>WSShipmentStatus .ContainsErrorMessage</b>	Boolean	Always	True if Messages contains at least one error message. False otherwise.
<b>WSShipmentStatus .Messages</b>	Complex (multiple)	Conditional	If messages are present. Can be null.
<b>WSShipmentStatus .Messages.Value</b>	String	Always	Message value.
<b>WSShipmentStatus .Messages.Type</b>	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and 3 for Null.

## 2.19 GetShipmentStatusCondensed

### 2.19.1 URL

Method: POST  
URL: /GetShipmentStatusCondensed.aspx

### 2.19.2 Description

Retrieves a condensed status of a specific shipment record.

### 2.19.3 Input

```
{
  "shipmentNumber"
}
```

#### GetShipmentStatusCondensed Request

Field	Type	Required/Optional	Description
<b>shipmentNumber</b>	String	Required	shipment number of record for which status is desired.

### 2.19.4 Output

```
{
  "ShipmentNumber": "NUM",
  "Status": 4,
  "DateCreated": "2014-04-02T13:44:05.93",
```



```

"EstimatePickupDate": "2014-03-26T00:00:00",
"EstimateDeliveryDate": "2014-03-27T00:00:00",
"ActualPickupDate": "1753-01-01T00:00:00",
"ActualDeliveryDate": "1753-01-01T00:00:00",
"IsPickedUp": false,
"IsDelivered": false,
"Mode": 0,
"Pro": "",
"VendorKey": "420",
"VendorName": "New Penn Motor Express",
"VendorScac": "NPME",
"CheckCalls": null,
"BillingDetails": null,
"Documents": null,
"Messages": null,
"ContainsErrorMessage": false
}

```

#### GetShipmentStatusCondensed Response

Field	Type	Returned	Description
<b>WSShipmentStatus</b>	Complex	Always	
<b>WSShipmentStatus .ShipmentNumber</b>	String	Conditional	If record found.
<b>WSShipmentStatus .Status</b>	Enum	Always	If record found. ShipmentStatus: 0 for Scheduled, 1 for InTransit, 2 for Delivered, 3 for Invoiced or 4 for Void.
<b>WSShipmentStatus .DateCreated</b>	DateTime	Always	Default current date.
<b>WSShipmentStatus .EstimatePickupDate</b>	DateTime	Always	Default current date.
<b>WSShipmentStatus .EstimateDeliveryDate</b>	DateTime	Always	Default current date.
<b>WSShipmentStatus .ActualPickupDate</b>	DateTime	Always	Value of 1/1/1753 00:00:00 is default value indicating no date.
<b>WSShipmentStatus .ActualDeliveryDate</b>	DateTime	Always	Value of 1/1/1753 00:00:00 is default value indicating no date.
<b>WSShipmentStatus .IsPickedUp</b>	Boolean	Always	True if ActualPickupDate is not equal to 1/1/1753 00:00:00
<b>WSShipmentStatus .IsDelivered</b>	Boolean	Always	True if ActualDeliveryDate is not equal to 1/1/1753 00:00:00



<b>WSShipmentStatus .Mode</b>	Enum	Always	ServiceMode: 0 for LessThanTruckload, 1 for Truckload, 2 for Air, 3 for Rail, 4 for SmallPackage or 5 for NotApplicable
<b>WSShipmentStatus .Pro</b>	String	Conditional	If present.
<b>WSShipmentStatus .VendorKey</b>	String	Conditional	If record found.
<b>WSShipmentStatus .VendorName</b>	String	Conditional	If record found.
<b>WSShipmentStatus .VendorScac</b>	String	Conditional	If record found and Scac present.
<b>WSShipmentStatus .CheckCalls</b>	Complex (multiple)	Never	Will always be null.
<b>WSShipmentStatus .BillingDetail</b>	Complex (multiple)	Never	Will always be null.
<b>WSShipmentStatus .Doucments</b>	Complex (multiple)	Never	Will always be null.
<b>WSShipmentStatus. ContainsErrorMessage</b>	Boolean	Always	True if Messages contains at least one error message. False otherwise.
<b>WSShipmentStatus .Messages</b>	Complex (multiple)	Conditional	If messages are present. Can be null.
<b>WSShipmentStatus .Messages.Value</b>	String	Always	Message value.
<b>WSShipmentStatus .Messages.Type</b>	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and 3 for Null.

## 2.20 GetShipmentDocument

### 2.20.1 URL

Method: POST  
 URL: /GetShipmentDocument.aspx

### 2.20.2 Description

Retrieves a document from a shipment or quote.



### 2.20.3 Input

```
{
  "ReferenceNumber": "shipmentNumber",
  "DocumentId": "documentId"
}
```

#### GetShipmentDocument Request

Field	Type	Required/ Optional	Description
ReferenceNumber	String	Required	Refence Number for the shipment/quote of the document you wish to pull.
DocumentId	Long	Required	The key for the document you wish to download. This corresponds to the Document Key you receive in the GetShipmentStatus request.

### 2.20.4 Output

```
{
  "DocumentFileName": "NUM",
  "DocumentKey": 4,
  "EncodedDocumentBytes": "iVBORw0KGgoAAAANS",
  "Messages": null,
  "ContainsErrorMessage": false
}
```

#### GetShipmentDocument Response

Field	Type	Returned	Description
WSShipmentDocument	Complex	Always	
WSShipmentDocument.DocumentFileName	String	Always	The name of the document.
WSShipmentDocument.DocumentKey	String	Always	The key for the document.
WSShipmentDocument.EncodedDocumentBytes	String	Always	A Base64-encoded byte array representing the document.
WSShipmentDocument.ContainsErrorMessage	String	Always	True if Messages contains at least one error message. False otherwise.



<b>WSShipmentDocument.Messages</b>	Complex (multiple)	Conditional	If messages are present. Can be null.
<b>WSShipmentDocument.Messages.Value</b>	String	Always	Message value.
<b>WSShipmentDocument.Messages.Type</b>	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and 3 for Null.

## 2.21 RequestShipmentCancellation

### 2.21.1 URL

Method: POST  
URL: /RequestShipmentCancellation.aspx

### 2.21.2 Description

Allows the client to request the cancellation of a submitted shipment record.

### 2.21.3 Input

```
{  
    "shipmentNumber"  
}
```

#### RequestShipmentCancellation Request

Field	Type	Required/Optional	Description
<b>shipmentNumber</b>	String	Required	Shipment number of shipment to be cancelled.





### 2.21.4 Output

```
{
  "Messages": [{
    "Value": "",
    "Type": 0
  }],
  "ContainsErrorMessage": false
}
```

#### RequestShipmentCancellation Response

Field	Type	Returned	Description
<b>WSReturn.ContainsErrorMessage</b>	Boolean	Always	True if Messages contains at least one error message. False otherwise.
<b>WSReturn.Messages</b>	Complex (multiple)	Always	
<b>WSReturn.Messages.Value</b>	String	Always	Message value.
<b>WSReturn.Messages.Type</b>	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and 3 for Null.

## 2.22 GetInvoice

### 2.22.1 URL

Method: POST  
URL: /GetInvoice.aspx

### 2.22.2 Description

Retrieves an invoice record

### 2.22.3 Input

```
{
  "invoiceNumber"
}
```



## GetInvoice Request

Field	Type	Required/ Optional	Description
invoiceNumber	String	Required	Invoice number of record to retrieve.

### 2.22.4 Output

```
{
  "InvoiceNumber": "123",
  "Date": "2016-02-09T15:26:29.807",
  "DueDate": "2016-03-10T15:26:29.807",
  "Terms": 30,
  "Billing": {
    "Description": "Logistics Plus",
    "Street": "1406 Peach St",
    "StreetExtra": "",
    "PostalCode": "16501",
    "City": "Erie",
    "State": "PA",
    "Country": {
      "Code": "US",
      "Name": "USA",
      "UsesPostalCode": true
    },
    "SpecialInstructions": "",
    "GeneralInfo": "",
    "Direction": "",
    "Email": "test@abc.net",
    "Contact": "Test",
    "Phone": "814-999-9999",
    "Fax": "814-999-9998",
    "Mobile": "814-999-9998",
    "ContactComment": "TEST COMMENT"
  },
  "CustomerControlAccount": "10000",
  "Type": 0,
  "TotalFreightCharges": 427.1372,
  "TotalFuelCharges": 101.6587,
  "TotalAccessorialCharges": 0.0,
  "TotalServiceCharges": 100.6142,
  "TotalAmountDue": 629.4101,
  "BillingDetails": [{
    "ReferenceNumber": "",
    "ReferenceType": 2,
    "BillingCode": "ADMIN",
    "Description": "Administrative Fees",
    "Category": 3,
    "AmountDue": 100.6142
  }, {
    "ReferenceNumber": "57305",
```



```

        "ReferenceType": 0,
        "BillingCode": "DILTL",
        "Description": "LESS THAN TRUCKLOAD FREIGHT",
        "Category": 0,
        "AmountDue": 427.1372
    }, {
        "ReferenceNumber": "57305",
        "ReferenceType": 0,
        "BillingCode": "FS",
        "Description": "FUEL",
        "Category": 1,
        "AmountDue": 101.6587,
    }
],
"Messages": [{
    "Value": "",
    "Type": 0
}],
"ContainsErrorMessage": false
}

```

### GetInvoice Response

Field	Type	Returned	Description
WSInvoice	Complex	Always	
WSInvoice .InvoiceNumber	String	Conditional	If record found.
WSInvoice .Date	DateTime	Always	Default is current date.
WSInvoice .DueDate	DateTime	Always	Default is current date.
WSInvoice .Terms	DateTime	Always	Default is 15 days.
WSInvoice .Billing	Complex	Conditional	If record found. Can be null.
WSInvoice .Billing .Description	String	Always	
WSInvoice .Billing .Street	String	Always	
WSInvoice .Billing .StreetExtra	String	Conditional	If present.
WSInvoice .Billing .PostalCode	String	Always	
WSInvoice .Billing .City	String	Always	
WSInvoice .Billing .State	String	Always	
WSInvoice .Billing .Country	Complex	Always	
WSInvoice .Billing .Country .Code	String	Always	
WSInvoice .Billing .Country .Name	String	Always	
WSInvoice .Billing .Country .UsesPostalCode	Boolean	Always	



<b>WSInvoice .Billing .SpecialInstructions</b>	String	Conditional	If present.
<b>WSInvoice .Billing .Email</b>	String	Conditional	If present.
<b>WSInvoice .Billing .Contact</b>	String	Conditional	If present.
<b>WSInvoice .Billing .Phone</b>	String	Conditional	If present.
<b>WSInvoice .Billing .Fax</b>	String	Conditional	If present.
<b>WSInvoice .Billing .Mobile</b>	String	Conditional	If present.
<b>WSInvoice .Billing .ContactComment</b>	String	Conditional	If present.
<b>WSInvoice .CustomerControlAccount</b>	String	Conditional	If present.
<b>WSInvoice .Type</b>	Enum	Always	InvoiceType: 0 for Invoice, 1 for Supplemental or 2 for Credit.
<b>WSInvoice .TotalFreightCharges</b>	Decimal	Always	
<b>WSInvoice .TotalFuelCharges</b>	Decimal	Always	
<b>WSInvoice .TotalAccessorialCharges</b>	Decimal	Always	
<b>WSInvoice .TotalServiceCharges</b>	Decimal	Always	
<b>WSInvoice .TotalAmountDue</b>	Decimal	Always	Sum total of Freight, Fuel, Accessorial and Service charges
<b>WSInvoice .BillingDetails</b>	Complex (multiple)	Always	One or more charge billing detail breakdown
<b>WSInvoice .BillingDetails .ReferenceNumber</b>	String	Conditional	If present. Record reference number.
<b>WSInvoice .BillingDetails .ReferenceNumberType</b>	Enum	Always	DetailReferenceType: 0 for Shipment, 1 for ServiceTicket, or 2 for Miscellaneous.
<b>WSInvoice .BillingDetails .BillingCode</b>	String	Always	
<b>WSInvoice .BillingDetails .Category</b>	Enum	Always	ChargeCodeCategory: 0 for Freight, 1 for Fuel, 2 for Accessorial, or 3 for Service.
<b>WSInvoice .BillingDetails .Description</b>	String	Always	Billing Code description.
<b>WSInvoice .BillingDetails .AmountDue</b>	Decimal	Always	Billing amount
<b>WSInvoice .ContainsErrorMessage</b>	Boolean	Always	True if Messages contains at least one error message. False otherwise.



<b>WSInvoice .Messages</b>	Complex (multiple)	Always	
<b>WSInvoice .Messages.Value</b>	String	Always	Message value.
<b>WSInvoice .Messages.Type</b>	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and 3 for Null.

## 2.23 GetInvoicesByDueDate

### 2.23.1 URL

Method: POST  
URL: /GetInvoicesByDueDate.aspx

### 2.23.2 Description

Retrieves invoice records within a specific due date range

### 2.23.3 Input

```
{  
    "StartDate": "2018-01-05T00:00:00-05:00",  
    "EndDate": "2018-03-06T11:27:25.6687562-05:00"  
}
```

#### GetInvoicesByDueDate Request

Field	Type	Required/ Optional	Description
<b>StartDate</b>	DateTime	Required	Start due date. Date must be between 1/1/1753 and 12/31/9999.
<b>EndDate</b>	DateTime	Required	End due date. Date must be between 1/1/1753 and 12/31/9999.

### 2.23.4 Output

```
[ {  
    "InvoiceNumber": "52417V",  
    "Date": "2017-10-30T16:19:44.227",  
    "DueDate": "2017-11-29T16:19:44.227",  
    "InvoiceType": 0,  
    "SpecialInstruction": "",  
    "SpecialInstruction2": ""  
}
```



```

    "LocationStreet": "1406 Peach St",
    "LocationStreetExtra": "",
    "LocationCity": "Erie",
    "LocationState": "PA",
    "LocationPostalCode": "16501",
    "LocationCountryName": "USA",
    "TotalAmount": 115.0000,
    "OriginalInvoiceNumber": "",
    "Messages": null,
    "ContainsErrorMessage": false
  }
]

```

### GetInvoicesByDueDate Response

Field	Type	Returned	Description
<b>WSInvoiceSummary</b>	Complex (multiple)	Always	NOTE: If no records found or error in process, a single record is returned with error message in the messages collection.
<b>WSInvoiceSummary .InvoiceNumber</b>	String	Conditional	If record found.
<b>WSInvoiceSummary .Date</b>	DateTime	Always	Default is current date.
<b>WSInvoiceSummary .DueDate</b>	DateTime	Always	Default is current date.
<b>WSInvoiceSummary .InvoiceType</b>	Enum	Always	InvoiceType: 0 for Invoice, 1 for Supplemental or 2 for Credit.
<b>WSInvoiceSummary .SpecialInstructions</b>	String	Conditional	If present.
<b>WSInvoiceSummary .LocationStreet</b>	String	Always	
<b>WSInvoiceSummary .LocationStreetExtra</b>	String	Conditional	If present.
<b>WSInvoiceSummary .LocationCity</b>	String	Always	
<b>WSInvoiceSummary .LocationState</b>	String	Always	
<b>WSInvoiceSummary .LocationPostalCode</b>	String	Always	
<b>WSInvoiceSummary .LocationCountryName</b>	String	Always	
<b>WSInvoiceSummary .TotalAmount</b>	Decimal	Always	
<b>WSInvoiceSummary .OriginalInvoiceNumber</b>	String	Conditional	Present for InvoiceType: Supplemental and Credit.
<b>WSInvoiceSummary .ContainsErrorMessage</b>	Boolean	Always	True if Messages contains at least one error message. False otherwise.



<b>WSInvoiceSummary.Messages</b>	Complex (multiple)	Always	
<b>WSInvoiceSummary.Messages.Value</b>	String	Always	Message value.
<b>WSInvoiceSummary.Messages.Type</b>	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and 3 for Null.

## 2.24 GetInvoicesByDate

### 2.24.1 URL

Method: POST  
URL: /GetInvoicesByDate.aspx

### 2.24.2 Description

Retrieves invoice records within a specified date range

### 2.24.3 Input

```
{
  "StartDate": "2018-01-05T00:00:00-05:00",
  "EndDate": "2018-03-06T11:27:25.6687562-05:00"
}
```

### GetInvoicesByDate Request

Field	Type	Required/Optional	Description
<b>StartDate</b>	DateTime	Required	Start due date. Date must be between 1/1/1753 and 12/31/9999.
<b>EndDate</b>	DateTime	Required	End due date. Date must be between 1/1/1753 and 12/31/9999.

### 2.24.4 Output

```
[{
  "InvoiceNumber": "123",
  "Date": "2017-10-30T16:19:44.227",
  "DueDate": "2017-11-29T16:19:44.227",
  "InvoiceType": 0,
  "SpecialInstruction": "",
  "LocationStreet": "1406 Peach St",
  "LocationStreetExtra": "",
  "LocationCity": "Atlanta",
  "LocationState": "GA",
  "LocationZip": "30309",
  "LocationCountry": "USA",
  "LocationLatitude": 33.749,
  "LocationLongitude": -84.388,
  "LocationAddress": "1406 Peach St",
  "LocationAddress2": "",
  "LocationAddress3": "",
  "LocationAddress4": "",
  "LocationAddress5": "",
  "LocationAddress6": "",
  "LocationAddress7": "",
  "LocationAddress8": "",
  "LocationAddress9": "",
  "LocationAddress10": "",
  "LocationAddress11": "",
  "LocationAddress12": "",
  "LocationAddress13": "",
  "LocationAddress14": "",
  "LocationAddress15": "",
  "LocationAddress16": "",
  "LocationAddress17": "",
  "LocationAddress18": "",
  "LocationAddress19": "",
  "LocationAddress20": ""
}]
```



```

        "LocationCity": "Erie",
        "LocationState": "PA",
        "LocationPostalCode": "16501",
        "LocationCountryName": "USA",
        "TotalAmount": 115.0000,
        "OriginalInvoiceNumber": "",
        "Messages": null,
        "ContainsErrorMessage": false
    }
]

```

**GetInvoicesByDate Response**

Field	Type	Returned	Description
<b>WSInvoiceSummary</b>	Complex (multiple)	Always	NOTE: If no records found or error in process, a single record is returned with error message in the messages collection.
<b>WSInvoiceSummary .InvoiceNumber</b>	String	Conditional	If record found.
<b>WSInvoiceSummary .Date</b>	DateTime	Always	Default is current date.
<b>WSInvoiceSummary .DueDate</b>	DateTime	Always	Default is current date.
<b>WSInvoiceSummary .InvoiceType</b>	Enum	Always	InvoiceType: 0 for Invoice, 1 for Supplemental or 2 for Credit.
<b>WSInvoiceSummary .SpecialInstructions</b>	String	Conditional	If present.
<b>WSInvoiceSummary .LocationStreet</b>	String	Always	
<b>WSInvoiceSummary .LocationStreetExtra</b>	String	Conditional	If present.
<b>WSInvoiceSummary .LocationCity</b>	String	Always	
<b>WSInvoiceSummary .LocationState</b>	String	Always	
<b>WSInvoiceSummary .LocationPostalCode</b>	String	Always	
<b>WSInvoiceSummary .LocationCountryName</b>	String	Always	
<b>WSInvoiceSummary .TotalAmount</b>	Decimal	Always	
<b>WSInvoiceSummary .OriginalInvoiceNumber</b>	String	Conditional	Present for InvoiceType: Supplemental and Credit.
<b>WSInvoiceSummary .ContainsErrorMessage</b>	Boolean	Always	True if Messages contains at least one error message. False otherwise.
<b>WSInvoiceSummary .Messages</b>	Complex (multiple)	Always	
<b>WSInvoiceSummary .Messages .Value</b>	String	Always	Message value.





WSInvoiceSummary.Messages.Type	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and 3 for Null.
--------------------------------	------	--------	--

## 2.25 GetInvoicesForShipment

### 2.25.1 URL

Method: POST  
URL: /GetInvoicesByDueDate.aspx

### 2.25.2 Description

Retrieves invoice records for a specified shipment record.

### 2.25.3 Input

```
{  
    "shipmentNumber"  
}
```

#### GetInvoicesForShipment Request

Field	Type	Required/ Optional	Description
ShipmentNumber	String	Required	Shipment number of shipment record for which invoices are desired.

### 2.25.4 Output

```
[ {  
    "InvoiceNumber": "INV123",  
    "Date": "2017-10-30T16:19:44.227",  
    "DueDate": "2017-11-29T16:19:44.227",  
    "InvoiceType": 0,  
    "SpecialInstruction": "",  
    "LocationStreet": "1406 Peach St",  
    "LocationStreetExtra": "",  
    "LocationCity": "Erie",  
    "LocationState": "PA",  
    "LocationPostalCode": "16501",  
    "LocationCountryName": "USA",  
    "TotalAmount": 115.0000,  
    "OriginalInvoiceNumber": "",  
    "Messages": null,  
    "MessagesType": 0  
}
```



```

    "ContainsErrorMessage": false
  }
]

```

### GetInvoicesForShipment Response

Field	Type	Returned	Description
<b>WSInvoiceSummary</b>	Complex (multiple)	Always	NOTE: If no records found or error in process, a single record is returned with error message in the messages collection.
<b>WSInvoiceSummary .InvoiceNumber</b>	String	Conditional	If record found.
<b>WSInvoiceSummary .Date</b>	DateTime	Always	Default is current date.
<b>WSInvoiceSummary .DueDate</b>	DateTime	Always	Default is current date.
<b>WSInvoiceSummary .InvoiceType</b>	Enum	Always	InvoiceType: 0 for Invoice, 1 for Supplemental or 2 for Credit.
<b>WSInvoiceSummary .SpecialInstructions</b>	String	Conditional	If present.
<b>WSInvoiceSummary .LocationStreet</b>	String	Always	
<b>WSInvoiceSummary .LocationStreetExtra</b>	String	Conditional	If present.
<b>WSInvoiceSummary .LocationCity</b>	String	Always	
<b>WSInvoiceSummary .LocationState</b>	String	Always	
<b>WSInvoiceSummary .LocationPostalCode</b>	String	Always	
<b>WSInvoiceSummary .LocationCountryName</b>	String	Always	
<b>WSInvoiceSummary .TotalAmount</b>	Decimal	Always	
<b>WSInvoiceSummary .OriginalInvoiceNumber</b>	String	Conditional	Present for InvoiceType: Supplemental and Credit.
<b>WSInvoiceSummary .ContainsErrorMessage</b>	Boolean	Always	True if Messages contains at least one error message. False otherwise.
<b>WSInvoiceSummary.Messages</b>	Complex (multiple)	Always	
<b>WSInvoiceSummary.Messages.Value</b>	String	Always	Message value.
<b>WSInvoiceSummary.Messages.Type</b>	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and 3 for Null.



## 2.25 SaveQuote

### 2.25.1 URL

Method: POST  
URL: /SaveQuote.aspx

### 2.25.2 Description

Saves a rated shipment as a Quote.

### 2.25.3 Input

```
{
  "BookingReferenceNumber": null,
  "BookingReferenceNumberType": 2,
  "Origin": {
    "Description": null,
    "Street": null,
    "StreetExtra": null,
    "PostalCode": "16508",
    "City": "Erie",
    "State": null,
    "Country": {
      "Code": "US",
      "Name": "United States",
      "UsesPostalCode": true
    },
    "SpecialInstructions": null,
    "GeneralInfo": null,
    "Direction": null,
    "Email": null,
    "Contact": null,
    "Phone": null,
    "Fax": null,
    "Mobile": null,
    "ContactComment": null
  },
  "Destination": {
    "Description": null,
    "Street": null,
    "StreetExtra": null,
    "PostalCode": "12345",
    "City": "Erie",
    "State": null,
    "Country": {
      "Code": "US",
      "Name": "United States",
      "UsesPostalCode": true
    }
  },
}
```



```
    "SpecialInstructions": null,
    "GeneralInfo": null,
    "Direction": null,
    "Email": null,
    "Contact": null,
    "Phone": null,
    "Fax": null,
    "Mobile": null,
    "ContactComment": null
  },
  "ReferenceNumber": null,
  "PurchaseOrder": null,
  "ShipperBOL": null,
  "OverrideApiRatingDates": false,
  "DisableApiBookingNotifications": false,
  "CustomReferences": null,
  "ShipmentDate": "2018-03-12T10:09:19.6570095-04:00",
  "EarliestPickup": {
    "Time": "08:00"
  },
  "LatestPickup": {
    "Time": "17:00"
  },
  "EarliestDelivery": null,
  "LatestDelivery": null,
  "Items": [{
    "Weight": 1000.0,
    "PackagingQuantity": 1,
    "SaidToContain": 1,
    "Height": 40.0,
    "Width": 48.0,
    "Length": 48.0,
    "Stackable": false,
    "HazardousMaterial": false,
    "DeclaredValue": 100.0,
    "Description": "Test Type",
    "Comment": "",
    "NationalMotorFreightClassification": "",
    "HarmonizedTariffSchedule": "",
    "Packaging": {
      "Key": 258,
      "PackageName": "Pallets",
      "DefaultLength": 0.0,
      "DefaultHeight": 0.0,
      "DefaultWidth": 0.0
    },
    "FreightClass": {
      "FreightClass": 77.5
    }
  }
],
  "Accessorials": null,
  "DeclineAdditionalInsuranceIfApplicable": true,
  "HazardousMaterialShipment": false,
```



```
"HazardousMaterialContactName": null,
"HazardousMaterialContactPhone": null,
"HazardousMaterialContactMobile": null,
"HazardousMaterialContactEmail": null,
"AvailableRates": null,
"SelectedRate": {
  "CarrierKey": "63",
  "CarrierName": "Con Way",
  "CarrierScac": "CNWY",
  "BilledWeight": 1000.0,
  "RatedWeight": 1000.0,
  "RatedCubicFeet": 53.3333333333333333333333333333,
  "TransitTime": 1,
  "EstimatedDeliveryDate": "2018-02-26T17:00:00-05:00",
  "ServiceMode": 0,
  "FreightCharges": 178.9452000000,
  "FuelCharges": 45.30892464000000,
  "AccessorialCharges": 0.0,
  "ServiceCharges": 0.0,
  "TotalCharges": 224.25412464000000,
  "Mileage": 0.0,
  "MileageSourceKey": 0,
  "MileageSourceDescription": null,
  "BillingDetails": [{
    "ReferenceNumber": "",
    "ReferenceType": 2,
    "BillingCode": "DILTL",
    "Description": "LTL FREIGHT",
    "Category": 0,
    "AmountDue": 178.9452000000
  }, {
    "ReferenceNumber": "",
    "ReferenceType": 2,
    "BillingCode": "FS",
    "Description": "FUEL",
    "Category": 1,
    "AmountDue": 45.30892464000000
  }
],
  "GuarOptions": [],
  "SelectedGuarOption": null
},
"BookedRate": null,
"ReturnConfirmations": null
}
```

SaveQuote Request

Field	Type	Required/ Optional	Description
WSShipment2	Complex	Required	
WSShipment2 .BookingReferenceNumber	String		Ignored on request.

<b>WSShipment2 .BookingReferenceNumberType</b>	String		Ignored on request.
<b>WSShipment2 .Origin</b>	Complex	Required	Origin location information
<b>WSShipment2 .Origin .Description</b>	String	Required	Name or description of location. Maximum length 50 characters.
<b>WSShipment2 .Origin .Street</b>	String	Required	Street name. Maximum length 50 characters.
<b>WSShipment2 .Origin .StreetExtra</b>	String	Optional	Street name extra. Maximum length 50 characters.
<b>WSShipment2 .Origin .PostalCode</b>	String	Required	Postal code. Maximum length 10 characters.
<b>WSShipment2 .Origin .City</b>	String	Required	City. Maximum length 50 characters
<b>WSShipment2 .Origin .State</b>	String	Required	State. Maximum length 50 characters
<b>WSShipment2 .Origin .Country</b>	Complex	Required	Use one of the countries retrieved from service. See section 2.4 or 2.6.
<b>WSShipment2 .Origin .Country.Code</b>	String	Required	Country code.
<b>WSShipment2 .Origin .Country.Name</b>	String	Optional	Country name.
<b>WSShipment2 .Origin .Country.UsesPostalCode</b>	Boolean	Required	Indicates that country uses postal code.
<b>WSShipment2 .Origin .SpecialInstructions</b>	String	Optional	Maximum length 500 characters.
<b>WSShipment2 .Origin .GeneralInfo</b>	String	Optional	For location. Maximum length 2000 characters.
<b>WSShipment2 .Origin .Direction</b>	String	Optional	To Location. Maximum length 1000 characters.
<b>WSShipment2 .Origin .Email</b>	String	Optional	Maximum length 100 characters.
<b>WSShipment2 .Origin .Contact</b>	String	Required	Contact person. Maximum length 50 characters.
<b>WSShipment2 .Origin .Phone</b>	String	Required	Maximum length 50 characters.
<b>WSShipment2 .Origin .Fax</b>	String	Optional	Maximum length 50 characters.
<b>WSShipment2 .Origin .Mobile</b>	String	Optional	Maximum length 50 characters.
<b>WSShipment2 .Origin .ContactComment</b>	String	Optional	Maximum length 200 characters.
<b>WSShipment2 .Destination</b>	Complex	Required	Destination location information
<b>WSShipment2 .Destination .Description</b>	String	Required	Name or description of location. Maximum length 50 characters.



<b>WSShipment2. Destination .Street</b>	String	Required	Street name. Maximum length 50 characters.
<b>WSShipment2. Destination .StreetExtra</b>	String	optional	Street name extra. Maximum length 50 characters.
<b>WSShipment2. Destination .PostalCode</b>	String	Required	Postal code. Maximum length 10 characters.
<b>WSShipment2. Destination .City</b>	String	Required	City. Maximum length 50 characters
<b>WSShipment2. Destination .State</b>	String	Required	State. Maximum length 50 characters
<b>WSShipment2. Destination .Country</b>	Complex	Required	Use one of the countries retrieved from service. See section 2.4 or 2.6.
<b>WSShipment2. Destination .Country.Code</b>	String	Required	Country code.
<b>WSShipment2. Destination .Country.Name</b>	String	Optional	Country name.
<b>WSShipment2. Destination .Country.UsesPostalCode</b>	Boolean	Optional	Indicates that country uses postal code.
<b>WSShipment2. Destination .SpecialInstructions</b>	String	Optional	Maximum length 500 characters.
<b>WSShipment2. Destination .GeneralInfo</b>	String	Optional	For location. Maximum length 2000 characters.
<b>WSShipment2. Destination .Direction</b>	String	Optional	To location. Maximum length 2000 characters.
<b>WSShipment2. Destination .Email</b>	String	Optional	Maximum length 100 characters.
<b>WSShipment2. Destination .Contact</b>	String	Required	Contact person. Maximum length 50 characters.
<b>WSShipment2. Destination .Phone</b>	String	Required	Maximum length 50 characters.
<b>WSShipment2. Destination .Fax</b>	String	Optional	Maximum length 50 characters.
<b>WSShipment2. Destination .Mobile</b>	String	Optional	Maximum length 50 characters.
<b>WSShipment2. Destination .ContactComment</b>	String	Optional	Maximum length 200 characters.
<b>WSShipment2.ReferenceNumber</b>	String	Optional	Shipper reference number. Maximum length 50 characters.
<b>WSShipment2.PurchaseOrder</b>	String	Optional	Purchase Order Number. Maximum length 50 characters.
<b>WSShipment2 .ShipperBOL</b>	String		Ignored on request.



<b>WSShipment2 .CustomerReferences</b>	Complex (multiple)	Optional	Custom customer reference. Zero or more. NOTE: if account has required references in setup, they are required here.
<b>WSShipment2 .CustomerReferences .Name</b>	String	Required	Maximum length 50 characters.
<b>WSShipment2 .CustomerReferences .Value</b>	String	Optional	Required if field is marked as required or account setup requires field. Maximum length 50 characters.
<b>WSShipment2 .CustomerReferences .Required</b>	Boolean	Required	True or False.
<b>WSShipment2 .ShipmentDate</b>	DateTime	Required	Value must be between 1/1/1753 and 12/31/9999
<b>WSShipment2 .EarliestPickup</b>	Complex	Required	Use one of the times retrieved from service. See section 2.5 or 2.6.
<b>WSShipment2.EarliestPickup .Time</b>	String	Required	
<b>WSShipment2 .LatestPickup</b>	Complex	Required	Use one of the times retrieved from service. See section 2.5 or 2.6.
<b>WSShipment2 .LatestPickup .Time</b>	String	Required	
<b>WSShipment2 .EarliestDelivery</b>	Complex	Required	Use one of the times retrieved from service. See section 2.5 or 2.6.
<b>WSShipment2 .EarliestDelivery .Time</b>	String	Required	
<b>WSShipment2 .LatestDelivery</b>	Complex	Required	Use one of the times retrieved from service. See section 2.5 or 2.6.
<b>WSShipment2 .LatestDelivery .Time</b>	String	Required	
<b>WSShipment2 .Items</b>	Complex (multiple)	Required	One or more.
<b>WSShipment2 .Items .Weight</b>	Decimal	Required	Value between 0 and 99999999.9999 in pounds (lb).
<b>WSShipment2 .Items .PackagingQuantity</b>	Int	Required	Must be greater than zero.
<b>WSShipment2 .Items .SaidToContain</b>	Int	Optional	Must be greater than or equal to zero. Also known as piece count.
<b>WSShipment2 .Items .Length</b>	Decimal	Required	Value between 0 and 9999.9999 in inches (in).
<b>WSShipment2 .Items .Width</b>	Decimal	Required	Value between 0 and 9999.9999 in inches (in).





<b>WSShipment2 .Items .Height</b>	Decimal	Required	Value between 0 and 9999.9999 in inches (in).
<b>WSShipment2 .Items .Stackable</b>	Boolean	Required	True or false.
<b>WSShipment2 .Items .HazardousMaterial</b>	Boolean	Optional	True or false. If shipment is set to Hazardous Material and no items are marked as such, all items will be flagged as hazmat.
<b>WSShipment2 .Items .DeclaredValue</b>	Decimal	Optional	Value between 0 and 999999999999999.9999 in USD (\$).
<b>WSShipment2 .Items .Description</b>	String	Required	Item description. Maximum length 100 characters.
<b>WSShipment2 .Items .Comment</b>	String		Ignored on request.
<b>WSShipment2 .Items .NationalMotorFreight Classification</b>	String	Optional	NMFC. Maximum length 50 characters.
<b>WSShipment2 .Items .HarmonizedTariffSchedule</b>	String	Optional	HTS. Maximum length 50 characters.
<b>WSShipment2 .Items .Packaging</b>	Complex	Required	Use one of the package options retrieved from service. See section 2.3 or 2.6.
<b>WSShipment2 .Items .Packaging .Key</b>	Long	Required	
<b>WSShipment2 .Items .Packaging .PackageName</b>	String	Optional	
<b>WSShipment2 .Items .Packaging .DefaultLength</b>	Decimal	Optional	
<b>WSShipment2 .Items .Packaging .DefaultWidth</b>	Decimal	Optional	
<b>WSShipment2 .Items .Packaging .DefaultHeight</b>	Decimal	Optional	
<b>WSShipment2 .Items .FreightClass</b>	Complex	Optional	Use one of the freight class options retrieved from service. See section 2.2 or 2.6. NOTE: Freight Class Required for LessThanTruckload shipments.
<b>WSShipment2 .Items .FreightClass .FreightClass</b>	Double	Required	



<b>WSShipment2 .Accessorials</b>	Complex (multiple)	Optional	Zero or more. Use one of the accessorial service options retrieved from service. See section 2.1 or 2.6.
<b>WSShipment2 .Accessorials .ServiceCode</b>	String	Required	
<b>WSShipment2 .Accessorials .ServiceDescription</b>	String	Optional	
<b>WSShipment2 .Accessorials .BillingCode</b>	String	Optional	
<b>WSShipment2 .DeclineAdditionalInsurance IfApplicable</b>	Boolean	Required	True or False. Only applies if customer setup has additional insurance enabled.
<b>WSShipment2 .HazardousMaterialShipment</b>	Boolean	Required	True or False.
<b>WSShipment2 .HazardousMaterialContact Name</b>	String	Optional	Maximum length 50 characters. NOTE: Required if HazardousmaterialShipment = True.
<b>WSShipment2 .HazardousMaterialContact Phone</b>	String	Optional	Maximum length 50 characters. NOTE: Required if HazardousmaterialShipment = True.
<b>WSShipment2 .HazardousMaterialContact Mobile</b>	String	Optional	Maximum length 50 characters.
<b>WSShipment2 .HazardousMaterialContact Email</b>	String	Optional	Maximum length 50 characters.
<b>WSShipment2 .AvailableRates</b>	Complex (multiple)		Ignored on request.
<b>WSShipment2 .SelectedRate</b>	Complex (multiple)	Required	Use one of the available rates returned from rate service call. See section 2.16.
<b>WSShipment2 .SelectedRate .CarrierKey</b>	String	Required	As returned.
<b>WSShipment2 .SelectedRate .CarrierName</b>	String	Optional	Ignored.
<b>WSShipment2 .SelectedRate .CarrierScac</b>	String	Required	As returned.
<b>WSShipment2 .SelectedRate .BilledWeight</b>	Decimal	Required	As returned.



<b>WSShipment2</b> <b>.SelectedRate .RatedWeight</b>	Decimal	Conditional	As returned.
<b>WSShipment2</b> <b>.SelectedRate</b> <b>.RatedCubicFeet</b>	Decimal	Conditional	As returned.
<b>WSShipment2</b> <b>.SelectedRate .TransitTime</b>	Int	Required	As returned.
<b>WSShipment2</b> <b>.SelectedRate</b> <b>.EstimatedDeliveryDate</b>	DateTime	Required	As returned.
<b>WSShipment2</b> <b>.SelectedRate .ServiceMode</b>	Enum	Required	As returned.
<b>WSShipment2</b> <b>.SelectedRate</b> <b>.FreightCharges</b>	Decimal	Required	As returned.
<b>WSShipment2</b> <b>.SelectedRate .FuelCharges</b>	Decimal	Required	As returned.
<b>WSShipment2</b> <b>.SelectedRate</b> <b>.AccessorialCharges</b>	Decimal	Required	As returned.
<b>WSShipment2</b> <b>.SelectedRate</b> <b>.ServiceCharges</b>	Decimal	Required	As returned.
<b>WSShipment2</b> <b>.SelectedRate .TotalCharges</b>	Decimal	Required	As returned.
<b>WSShipment2</b> <b>.SelectedRate .Mileage</b>	Decimal	Required	As returned.
<b>WSShipment2</b> <b>.SelectedRate</b> <b>.MileageSourceKey</b>	Long	Required	As returned.
<b>WSShipment2</b> <b>.SelectedRate</b> <b>.MileageSourceDescription</b>	String	Optional	
<b>WSShipment2</b> <b>.SelectedRate .BillingDetails</b>	Complex (multiple)		Ignored on request.
<b>WSShipment2</b> <b>.SelectedRate .GuarOptions</b>	Complex (multiple)		Ignored on request.



<b>WSShipment2</b> <b>.SelectedRate</b> <b>.SelectedGuarOption</b>	Complex	Optional	Use one of the GuarOptions BillingDetails within SelectedRate
<b>WSShipment2</b> <b>.SelectedRate</b> <b>.SelectedGuarOption</b> <b>.ReferenceNumber</b>	String	Required	As returned.
<b>WSShipment2</b> <b>.SelectedRate</b> <b>.SelectedGuarOption</b> <b>.ReferenceNumberType</b>	Enum	Required	DetailReferenceType: 0 for Shipment, 1 for ServiceTicket, or 2 for Miscellaneous. As returned.
<b>WSShipment2</b> <b>.SelectedRate</b> <b>.SelectedGuarOption</b> <b>.BillingCode</b>	String	Required	As returned
<b>WSShipment2</b> <b>.SelectedRate</b> <b>.SelectedGuarOption</b> <b>.Category</b>	Enum	Required	ChargeCodeCategory: 0 for Freight, 1 for Fuel, 2 for Accessorial, or 3 for Service. As returned.
<b>WSShipment2</b> <b>.SelectedRate</b> <b>.SelectedGuarOption</b> <b>.Description</b>	String	Required	Billing Code description. As returned
<b>WSShipment2</b> <b>.SelectedRate</b> <b>.SelectedGuarOption</b> <b>.AmountDue</b>	Decimal	Required	Billing amount. As returned
<b>WSShipment2 .BookedRate</b>	Complex (multiple)		Ignored on request.
<b>WSShipment2</b> <b>.ReturnConfirmations</b>	Complex (multiple)		Ignored on request.
<b>WSShipment2 .Messages</b>	Complex (multiple)		Ignored on request.

#### 2.25.4 Output

```
{
  "BookingReferenceNumber": "123",
  "BookingReferenceNumberType": 2,
  "Origin": {
```



```
    "Description": null,
    "Street": null,
    "StreetExtra": null,
    "PostalCode": "16508",
    "City": "Erie",
    "State": null,
    "Country": {
      "Code": "US",
      "Name": "United States",
      "UsesPostalCode": true
    },
    "SpecialInstructions": null,
    "GeneralInfo": null,
    "Direction": null,
    "Email": null,
    "Contact": null,
    "Phone": null,
    "Fax": null,
    "Mobile": null,
    "ContactComment": null
  },
  "Destination": {
    "Description": null,
    "Street": null,
    "StreetExtra": null,
    "PostalCode": "12345",
    "City": "Erie",
    "State": null,
    "Country": {
      "Code": "US",
      "Name": "United States",
      "UsesPostalCode": true
    },
    "SpecialInstructions": null,
    "GeneralInfo": null,
    "Direction": null,
    "Email": null,
    "Contact": null,
    "Phone": null,
    "Fax": null,
    "Mobile": null,
    "ContactComment": null
  },
  "ReferenceNumber": null,
  "PurchaseOrder": null,
  "ShipperBOL": null,
  "OverrideApiRatingDates": false,
  "DisableApiBookingNotifications": false,
  "CustomReferences": null,
  "ShipmentDate": "2018-03-12T10:09:19.6570095-04:00",
  "EarliestPickup": {
    "Time": "08:00"
  },
  "LatestPickup": {
```



```

        "Time": "17:00"
    },
    "EarliestDelivery": null,
    "LatestDelivery": null,
    "Items": [{
        "Weight": 1000.0,
        "PackagingQuantity": 1,
        "SaidToContain": 1,
        "Height": 40.0,
        "Width": 48.0,
        "Length": 48.0,
        "Stackable": false,
        "HazardousMaterial": false,
        "DeclaredValue": 100.0,
        "Description": "Test Type",
        "Comment": "",
        "NationalMotorFreightClassification": "",
        "HarmonizedTariffSchedule": "",
        "Packaging": {
            "Key": 258,
            "PackageName": "Pallets",
            "DefaultLength": 0.0,
            "DefaultHeight": 0.0,
            "DefaultWidth": 0.0
        },
        "FreightClass": {
            "FreightClass": 77.5
        }
    }
],
"Accessorials": null,
"DeclineAdditionalInsuranceIfApplicable": true,
"HazardousMaterialShipment": false,
"HazardousMaterialContactName": null,
"HazardousMaterialContactPhone": null,
"HazardousMaterialContactMobile": null,
"HazardousMaterialContactEmail": null,
"AvailableRates": null,
"SelectedRate": {
    "CarrierKey": "63",
    "CarrierName": "Con Way",
    "CarrierScac": "CNWY",
    "BilledWeight": 1000.0,
    "RatedWeight": 1000.0,
    "RatedCubicFeet": 53.333333333333333333333333333333,
    "TransitTime": 1,
    "EstimatedDeliveryDate": "2018-02-26T17:00:00-05:00",
    "ServiceMode": 0,
    "FreightCharges": 178.9452000000,
    "FuelCharges": 45.30892464000000,
    "AccessorialCharges": 0.0,
    "ServiceCharges": 0.0,
    "TotalCharges": 224.25412464000000,
    "Mileage": 0.0,

```



```
"MileageSourceKey": 0,
"MileageSourceDescription": null,
"BillingDetails": [{
  "ReferenceNumber": "",
  "ReferenceType": 2,
  "BillingCode": "DILTL",
  "Description": "LTL FREIGHT",
  "Category": 0,
  "AmountDue": 178.9452000000
}, {
  "ReferenceNumber": "",
  "ReferenceType": 2,
  "BillingCode": "FS",
  "Description": "FUEL",
  "Category": 1,
  "AmountDue": 45.30892464000000
}
],
"GuarOptions": [],
"SelectedGuarOption": null
},
"BookedRate": {
  "CarrierKey": "63",
  "CarrierName": "Con Way",
  "CarrierScac": "CNWY",
  "BilledWeight": 1000.0,
  "RatedWeight": 1000.0,
  "RatedCubicFeet": 53.333333333333333333333333333333,
  "TransitTime": 1,
  "EstimatedDeliveryDate": "2018-02-26T17:00:00-05:00",
  "ServiceMode": 0,
  "FreightCharges": 178.9452000000,
  "FuelCharges": 45.30892464000000,
  "AccessorialCharges": 0.0,
  "ServiceCharges": 0.0,
  "TotalCharges": 224.25412464000000,
  "Mileage": 0.0,
  "MileageSourceKey": 0,
  "MileageSourceDescription": null,
  "BillingDetails": [{
    "ReferenceNumber": "",
    "ReferenceType": 2,
    "BillingCode": "DILTL",
    "Description": "LTL FREIGHT",
    "Category": 0,
    "AmountDue": 178.9452000000
  }, {
    "ReferenceNumber": "",
    "ReferenceType": 2,
    "BillingCode": "FS",
    "Description": "FUEL",
    "Category": 1,
    "AmountDue": 45.30892464000000
  }
]
```



```

    ],
    "GuarOptions": [],
    "SelectedGuarOption": null
  },
  "ReturnConfirmations": null,
  "Messages": null,
  "ContainsErrorMessage": false
}

```

### SaveQuote Response

Field	Type	Returned	Description
WSShipment2	Complex	Always	
WSShipment2 .BookingReferenceNumber	String	Conditional	Present unless errors in processing. See message for errors.
WSShipment2 .BookingReferenceNumberType	String	Conditional	Present unless errors in processing. See message for errors.
WSShipment2 .Origin	Complex	Always	
WSShipment2 .Origin .Description	String	Always	As submitted.
WSShipment2 .Origin .Street	String	Always	As submitted.
WSShipment2 .Origin .StreetExtra	String	Always	As submitted.
WSShipment2 .Origin .PostalCode	String	Always	As submitted.
WSShipment2 .Origin .City	String	Always	As submitted.
WSShipment2 .Origin .State	String	Always	As submitted.
WSShipment2 .Origin .Country	Complex	Always	
WSShipment2 .Origin .Country.Code	String	Always	As submitted.
WSShipment2 .Origin .Country.Name	String	Conditional	If submitted.
WSShipment2 .Origin .Country.UsesPostalCode	Boolean	Always	As submitted.
WSShipment2 .Origin .SpecialInstructions	String	Conditional	If submitted.
WSShipment2 .Origin .GeneralInfo	String	Conditional	If submitted.





<b>WSShipment2.Origin .Direction</b>	String	Conditional	If submitted.
<b>WSShipment2.Origin .Email</b>	String	Conditional	If submitted.
<b>WSShipment2.Origin .Contact</b>	String	Always	As submitted.
<b>WSShipment2.Origin .Phone</b>	String	Always	As submitted.
<b>WSShipment2.Origin .Fax</b>	String	Conditional	If submitted.
<b>WSShipment2.Origin .Mobile</b>	String	Conditional	If submitted.
<b>WSShipment2.Destination</b>	Complex	Always	
<b>WSShipment2. Destination .Description</b>	String	Always	As submitted.
<b>WSShipment2. Destination .Street</b>	String	Always	As submitted.
<b>WSShipment2. Destination .StreetExtra</b>	String	Always	As submitted.
<b>WSShipment2. Destination .PostalCode</b>	String	Always	As submitted.
<b>WSShipment2. Destination .City</b>	String	Always	As submitted.
<b>WSShipment2. Destination .State</b>	String	Always	As submitted.
<b>WSShipment2. Destination .Country</b>	Complex	Always	
<b>WSShipment2. Destination .Country.Code</b>	String	Always	As submitted.
<b>WSShipment2. Destination .Country.Name</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .Country.UsesPostalCode</b>	Boolean	Conditional	As submitted.
<b>WSShipment2. Destination .SpecialInstructions</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .GeneralInfo</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .Direction</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .Email</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .Contact</b>	String	Always	As submitted.



<b>WSShipment2. Destination .Phone</b>	String	Always	As submitted.
<b>WSShipment2. Destination .Fax</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .Mobile</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .ContactComment</b>	String	Conditional	If submitted.
<b>WSShipment2. ReferenceNumber</b>	String	Conditional	If submitted.
<b>WSShipment2. PurchaseOrder</b>	String	Conditional	If submitted.
<b>WSShipment2 .ShipperBOL</b>	String	Conditional	If applicable to account.
<b>WSShipment2 .CustomerReferences</b>	Complex (multiple)	Conditional	If submitted.
<b>WSShipment2 .CustomerReferences .Name</b>	String	Always	As submitted.
<b>WSShipment2 .CustomerReferences .Value</b>	String	Conditional	If submitted.
<b>WSShipment2 .CustomerReferences .Required</b>	Boolean	Always	As submitted.
<b>WSShipment2 .DesiredShipmentDate</b>	DateTime	Always	As submitted.
<b>WSShipment2 .EarliestPickup</b>	Complex	Always	As submitted.
<b>WSShipment2. EarliestPickup .Time</b>	String	Always	
<b>WSShipment2 .LatestPickup</b>	Complex	Always	As submitted
<b>WSShipment2 .LatestPickup .Time</b>	String	Always	
<b>WSShipment2 .EarliestDelivery</b>	Complex	Always	As submitted.
<b>WSShipment2 .EarliestDelivery .Time</b>	String	Always	
<b>WSShipment2 .LatestDelivery</b>	Complex	Always	As submitted.
<b>WSShipment2 .LatestDelivery .Time</b>	String	Always	
<b>WSShipment2 .Items</b>	Complex (multiple)	Always	



WSShipment2 .Items .Weight	Decimal	Always	As submitted.
WSShipment2 .Items .PackagingQuantity	Int	Always	As submitted.
WSShipment2 .Items .SaidToContain	Int	Conditional	As submitted.
WSShipment2 .Items .Length	Decimal	Always	As submitted.
WSShipment2 .Items .Width	Decimal	Always	As submitted.
WSShipment2 .Items .Height	Decimal	Always	As submitted.
WSShipment2 .Items .Stackable	Boolean	Always	As submitted.
WSShipment2 .Items .HazardousMaterials	Boolean	Always	As submitted.
WSShipment2 .Items .DeclaredValue	Decimal	Always	As submitted.
WSShipment2 .Items .Description	String	Always	As submitted.
WSShipment2 .Items .Comments	String	Conditional	
WSShipment2 .Items .NationalMotorFreight Classification	String	Conditional	If submitted.
WSShipment2 .Items .HarmonizedTariffSchedule	String	Conditional	If submitted.
WSShipment2 .Items .Packaging	Complex	Always	
WSShipment2 .Items .Packaging .Key	Long	Always	
WSShipment2 .Items .Packaging .PackageName	String	Conditional	
WSShipment2 .Items .Packaging .DefaultLength	Decimal	Conditional	
WSShipment2 .Items .Packaging .DefaultWidth	Decimal	Conditional	
WSShipment2 .Items .Packaging .DefaultHeight	Decimal	Conditional	
WSShipment2 .Items .FreightClass	Complex	Conditional	If submitted.
WSShipment2 .Items .FreightClass .FreightClass	Double	Always	



<b>WSShipment2 .Accessorials</b>	Complex (multiple)	Conditional	If submitted.
<b>WSShipment2 .Accessorials .ServiceCode</b>	String	Always	
<b>WSShipment2 .Accessorials .ServiceDescription</b>	String	Conditional	As submitted
<b>WSShipment2 .Accessorials .BillingCode</b>	String	Conditional	As submitted
<b>WSShipment2 .DeclineAdditionalInsurance IfApplicable</b>	Boolean	Always	As submitted.
<b>WSShipment2 .HazardousMaterialShipment</b>	Boolean	Always	As submitted.
<b>WSShipment2 .HazardousMaterialContact Name</b>	String	Always	As submitted.
<b>WSShipment2 .HazardousMaterialContact Phone</b>	String	Always	As submitted.
<b>WSShipment2 .HazardousMaterialContact Mobile</b>	String	Conditional	If submitted.
<b>WSShipment2 .HazardousMaterialContact Email</b>	String	Conditional	If submitted.
<b>WSShipment2 .AvailableRates</b>	Complex (multiple)	Conditional	Zero or more rates available for shipment configuration. Can be null in case of errors.
<b>WSShipment2 .AvailableRates .CarrierKey</b>	String	Always	For service mode Truckload = "[Contract]"
<b>WSShipment2 .AvailableRates .CarrierName</b>	String	Always	For service mode Truckload = "[Contract]"
<b>WSShipment2 .AvailableRates .CarrierScac</b>	String	Conditional	If present for carrier.
<b>WSShipment2 .AvailableRates .BilledWeight</b>	Decimal	Conditional	Present for service mode LessThanTruckload, SmallPackage
<b>WSShipment2 .AvailableRates .RatedWeight</b>	Decimal	Conditional	Present for service mode LessThanTruckload



WSShipment2 .AvailableRates .RatedCubicFeet	Decimal	Conditional	Present for service mode LessThanTruckload
WSShipment2 .AvailableRates .TransitTime	Int	Conditional	Present for service mode LessThanTruckload, SmallPackage
WSShipment2 .AvailableRates .EstimatedDeliveryDate	DateTime	Conditional	Present for service mode LessThanTruckload, SmallPackage.
WSShipment2 .AvailableRates .ServiceMode	Enum	Always	ServiceMode: 0 for LessThanTruckload, 1 for Truckload, 2 for Air, 3 for Rail, 4 for SmallPackage or 5 for NotApplicable
WSShipment2 .AvailableRates .FreightCharges	Decimal	Always	
WSShipment2 .AvailableRates .FuelCharges	Decimal	Always	
WSShipment2 .AvailableRates .AccessorialCharges	Decimal	Always	
WSShipment2 .AvailableRates .ServiceCharges	Decimal	Always	
WSShipment2 .AvailableRates .TotalCharges	Decimal	Always	Sum total of Freight, Fuel, Accessorial and Service charges.
WSShipment2 .AvailableRates .Mileage	Decimal	Conditional	If available
WSShipment2 .AvailableRates .MileageSourceKey	Long	Conditional	If available
WSShipment2 .AvailableRates .MileageSourceDescription	String	Conditional	If available
WSShipment2 .AvailableRates .BillingDetails	Complex (multiple)	Always	One or more charge billing detail breakdown
WSShipment2 .AvailableRates .BillingDetails .ReferenceNumber	String		Ignored on rate response.



WSShipment2 .AvailableRates .BillingDetails .ReferenceNumberType	Enum		DetailReferenceType: 0 for Shipment, 1 for ServiceTicket, or 2 for Miscellaneous. Ignored on rate response.
WSShipment2 .AvailableRates .BillingDetails .BillingCode	String	Always	
WSShipment2 .AvailableRates .BillingDetails .Category	Enum	Always	ChargeCodeCategory: 0 for Freight, 1 for Fuel, 2 for Accessorial, or 3 for Service.
WSShipment2 .AvailableRates .BillingDetails .Description	String	Always	Billing Code description.
WSShipment2 .AvailableRates .BillingDetails .AmountDue	Decimal	Always	Billing amount
WSShipment2 .AvailableRates .GuarOptions	Complex (multiple)	Conditional	One or more charge billing detail breakdown. Present if available
WSShipment2 .AvailableRates .GuarOptions .ReferenceNumber	String		Ignored on response.
WSShipment2 .AvailableRates .GuarOptions .ReferenceNumberType	Enum		DetailReferenceType: 0 for Shipment, 1 for ServiceTicket, or 2 for Miscellaneous. Ignored on response.
WSShipment2 .AvailableRates .GuarOptions .BillingCode	String	Always	
WSShipment2 .AvailableRates .GuarOptions .Category	Enum	Always	ChargeCodeCategory: 0 for Freight, 1 for Fuel, 2 for Accessorial, or 3 for Service.
WSShipment2 .AvailableRates .GuarOptions .Description	String	Always	Billing Code description.
WSShipment2 .AvailableRates .GuarOptions .AmountDue	Decimal	Always	Billing amount
WSShipment2 .AvailableRates .SelectedGuarOption	Complex	Conditional	As submitted
WSShipment2 .SelectedRate	Complex (multiple)	Always	As submitted



<b>WSShipment2 .BookedRate</b>	Complex (multiple)	Conditional	Present if no error in processing. See messages for errors
<b>WSShipment2 . BookedRate .CarrierKey</b>	String	Always	For service mode Truckload = "[Contract]"
<b>WSShipment2 . BookedRate .CarrierName</b>	String	Always	For service mode Truckload = "[Contract]"
<b>WSShipment2 . BookedRate .CarrierScac</b>	String	Conditional	If present for carrier.
<b>WSShipment2 . BookedRate .BilledWeight</b>	Decimal	Conditional	Present for service mode LessThanTruckload, SmallPackage
<b>WSShipment2 .BookedRate .RatedWeight</b>	Decimal	Conditional	Present for service mode LessThanTruckload
<b>WSShipment2 . BookedRate .RatedCubicFeet</b>	Decimal	Conditional	Present for service mode LessThanTruckload
<b>WSShipment2 . BookedRate .TransitTime</b>	Int	Conditional	Present for service mode LessThanTruckload, SmallPackage
<b>WSShipment2 .BookedRate .EstimatedDeliveryDate</b>	DateTime	Conditional	Present for service mode LessThanTruckload, SmallPackage.
<b>WSShipment2 . BookedRate .ServiceMode</b>	Enum	Always	ServiceMode: 0 for LessThanTruckload, 1 for Truckload, 2 for Air, 3 for Rail, 4 for SmallPackage or 5 for NotApplicable
<b>WSShipment2 . BookedRate .FreightCharges</b>	Decimal	Always	
<b>WSShipment2 . BookedRate .FuelCharges</b>	Decimal	Always	
<b>WSShipment2 . BookedRate .AccessorialCharges</b>	Decimal	Always	
<b>WSShipment2 . BookedRate .ServiceCharges</b>	Decimal	Always	
<b>WSShipment2 . BookedRate .TotalCharges</b>	Decimal	Always	Sum total of Freight, Fuel, Accessorial and Service charges.
<b>WSShipment2 . BookedRate .Mileage</b>	Decimal	Conditional	If available
<b>WSShipment2 . BookedRate .MileageSourceKey</b>	Long	Conditional	If available
<b>WSShipment2 . BookedRate .MileageSourceDescription</b>	String	Conditional	If available
<b>WSShipment2 . BookedRate .BillingDetails</b>	Complex (multiple)	Always	One or more charge billing detail breakdown



<b>WSShipment2 . BookedRate .BillingDetails .ReferenceNumber</b>	String		Ignored on rate response.
<b>WSShipment2 . BookedRate .BillingDetails .ReferenceNumberType</b>	Enum		DetailReferenceType: 0 for Shipment, 1 for ServiceTicket, or 2 for Miscellaneous. Ignored on rate response.
<b>WSShipment2 . BookedRate .BillingDetails .BillingCode</b>	String	Always	
<b>WSShipment2 . BookedRate .BillingDetails .Category</b>	Enum	Always	ChargeCodeCategory: 0 for Freight, 1 for Fuel, 2 for Accessorial, or 3 for Service.
<b>WSShipment2 . BookedRate .BillingDetails .Description</b>	String	Always	Billing Code description.
<b>WSShipment2 . BookedRate .BillingDetails .AmountDue</b>	Decimal	Always	Billing amount
<b>WSShipment2 . BookedRate .GuarOptions</b>	Complex (multiple)	Conditional	One or more charge billing detail breakdown. As submitted
<b>WSShipment2 . BookedRate .GuarOptions .ReferenceNumber</b>	String	Always	
<b>WSShipment2 . BookedRate .GuarOptions .ReferenceNumberType</b>	Enum	Always	DetailReferenceType: 0 for Shipment, 1 for ServiceTicket, or 2 for Miscellaneous.
<b>WSShipment2 . BookedRate .GuarOptions .BillingCode</b>	String	Always	
<b>WSShipment2 . BookedRate .GuarOptions .Category</b>	Enum	Always	ChargeCodeCategory: 0 for Freight, 1 for Fuel, 2 for Accessorial, or 3 for Service.
<b>WSShipment2 . BookedRate .GuarOptions .Description</b>	String	Always	Billing Code description.
<b>WSShipment2 . BookedRate .GuarOptions .AmountDue</b>	Decimal	Always	Billing amount
<b>WSShipment2 . BookedRate .SelectedGuarOption</b>	Complex	Conditional	One or more charge billing detail breakdown. Present if request had SelectedRate with SelectedGuarOption
<b>WSShipment2 . BookedRate .SelectedGuarOption .ReferenceNumber</b>	String	Always	
<b>WSShipment2 . BookedRate .SelectedGuarOption .ReferenceNumberType</b>	Enum	Always	DetailReferenceType: 0 for Shipment, 1 for ServiceTicket, or 2 for Miscellaneous.





<b>WSShipment2 . BookedRate .SelectedGuarOption .BillingCode</b>	String	Always	
<b>WSShipment2 . BookedRate .SelectedGuarOption .Category</b>	Enum	Always	ChargeCodeCategory: 0 for Freight, 1 for Fuel, 2 for Accessorial, or 3 for Service.
<b>WSShipment2 . BookedRate .SelectedGuarOption .Description</b>	String	Always	Billing Code description.
<b>WSShipment2 . BookedRate .SelectedGuarOption .AmountDue</b>	Decimal	Always	Billing amount
<b>WSShipment2 .ReturnConfirmations</b>	Complex (multiple)	Conditional	If no errors, will contain bill of lading (and small package shipping label for SmallPackage service mode).
<b>WSShipment2 .ReturnConfirmations .DocType</b>	Enum	Always	DocumentType: 0 for Pdf, 1 for Html, 2 for Png or 3 for Gif.
<b>WSShipment2 .ReturnConfirmations .DocImage</b>	Byte[]	Always	Document content in binary.
<b>WSShipment2 .ReturnConfirmations .Html</b>	String	Conditional	Currently Ignored. May be available as bill of lading in html format.
<b>WSShipment2 .ReturnConfirmations .Name</b>	String	Always	Document name.
<b>WSShipment2. ContainsErrorMessage</b>	Boolean	Always	True if Messages contains at least one error message. False otherwise.
<b>WSShipment2 .Messages</b>	Complex (multiple)	Conditional	Zero or more errors if present. Can be null.
<b>WSShipment2 .Messages .Value</b>	String	Always	Error message.
<b>WSShipment2 .Messages .Type</b>	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and 3 for Null.



## 2.27 ConvertQuoteToShipment

### 2.27.1 URL

Method: POST  
URL: /ConvertQuoteToShipment.aspx

### 2.27.2 Description

Converts the quote with the specified Quote Number into a shipment.

### 2.27.3 Input

```
{  
    "quoteNumber"  
}
```

#### ConvertQuoteToShipment Request

Field	Type	Required/ Optional	Description
quoteNumber	String	Always	The reference number of the quote to turn into a shipment.

### 2.27.4 Output

```
{  
    "BookingReferenceNumber": "SHIP123",  
    "BookingReferenceNumberType": 2,  
    "Origin": {  
        "Description": null,  
        "Street": null,  
        "StreetExtra": null,  
        "PostalCode": "16508",  
        "City": "Erie",  
        "State": null,  
        "Country": {  
            "Code": "US",  
            "Name": "United States",  
            "UsesPostalCode": true  
        },  
        "SpecialInstructions": null,  
        "GeneralInfo": null,  
        "Direction": null,  
        "Email": null,  
    },  
}
```



```
    "Contact": null,
    "Phone": null,
    "Fax": null,
    "Mobile": null,
    "ContactComment": null
  },
  "Destination": {
    "Description": null,
    "Street": null,
    "StreetExtra": null,
    "PostalCode": "12345",
    "City": "Erie",
    "State": null,
    "Country": {
      "Code": "US",
      "Name": "United States",
      "UsesPostalCode": true
    },
    "SpecialInstructions": null,
    "GeneralInfo": null,
    "Direction": null,
    "Email": null,
    "Contact": null,
    "Phone": null,
    "Fax": null,
    "Mobile": null,
    "ContactComment": null
  },
  "ReferenceNumber": null,
  "PurchaseOrder": null,
  "ShipperBOL": null,
  "OverrideApiRatingDates": false,
  "DisableApiBookingNotifications": false,
  "CustomReferences": null,
  "ShipmentDate": "2018-03-12T10:09:19.6570095-04:00",
  "EarliestPickup": {
    "Time": "08:00"
  },
  "LatestPickup": {
    "Time": "17:00"
  },
  "EarliestDelivery": null,
  "LatestDelivery": null,
  "Items": [{
    "Weight": 1000.0,
    "PackagingQuantity": 1,
    "SaidToContain": 1,
    "Height": 40.0,
    "Width": 48.0,
    "Length": 48.0,
    "Stackable": false,
    "HazardousMaterial": false,
    "DeclaredValue": 100.0,
    "Description": "Test Type",
```



```

    "Comment": "",
    "NationalMotorFreightClassification": "",
    "HarmonizedTariffSchedule": "",
    "Packaging": {
      "Key": 258,
      "PackageName": "Pallets",
      "DefaultLength": 0.0,
      "DefaultHeight": 0.0,
      "DefaultWidth": 0.0
    },
    "FreightClass": {
      "FreightClass": 77.5
    }
  },
  "Accessorials": null,
  "DeclineAdditionalInsuranceIfApplicable": true,
  "HazardousMaterialShipment": false,
  "HazardousMaterialContactName": null,
  "HazardousMaterialContactPhone": null,
  "HazardousMaterialContactMobile": null,
  "HazardousMaterialContactEmail": null,
  "AvailableRates": null,
  "SelectedRate": {
    "CarrierKey": "63",
    "CarrierName": "Con Way",
    "CarrierScac": "CNWY",
    "BilledWeight": 1000.0,
    "RatedWeight": 1000.0,
    "RatedCubicFeet": 53.333333333333333333333333333333,
    "TransitTime": 1,
    "EstimatedDeliveryDate": "2018-02-26T17:00:00-05:00",
    "ServiceMode": 0,
    "FreightCharges": 178.9452000000,
    "FuelCharges": 45.30892464000000,
    "AccessororialCharges": 0.0,
    "ServiceCharges": 0.0,
    "TotalCharges": 224.25412464000000,
    "Mileage": 0.0,
    "MileageSourceKey": 0,
    "MileageSourceDescription": null,
    "BillingDetails": [{
      "ReferenceNumber": "",
      "ReferenceType": 2,
      "BillingCode": "DILT",
      "Description": "LTL FREIGHT",
      "Category": 0,
      "AmountDue": 178.9452000000
    }, {
      "ReferenceNumber": "",
      "ReferenceType": 2,
      "BillingCode": "FS",
      "Description": "FUEL",
      "Category": 1,

```



```

        "AmountDue": 45.30892464000000
    },
    ],
    "GuarOptions": [],
    "SelectedGuarOption": null
},
"BookedRate": null,
"ReturnConfirmations": {
    "DocType": 0,
    "DocImage": "",
    "Html": "",
    "Name": ""
},
"Messages": null,
"ContainsErrorMessage": false
}

```

### ConvertQuoteToShipment Response

Field	Type	Returned	Description
WSShipment2	Complex	Always	
WSShipment2 .BookingReferenceNumber	String	Conditional	Present unless errors in processing. See message for errors.
WSShipment2 .BookingReferenceNumberType	String	Conditional	Present unless errors in processing. See message for errors.
WSShipment2 .Origin	Complex	Always	
WSShipment2 .Origin .Description	String	Always	As submitted.
WSShipment2 .Origin .Street	String	Always	As submitted.
WSShipment2 .Origin .StreetExtra	String	Always	As submitted.
WSShipment2 .Origin .PostalCode	String	Always	As submitted.
WSShipment2 .Origin .City	String	Always	As submitted.
WSShipment2 .Origin .State	String	Always	As submitted.
WSShipment2 .Origin .Country	Complex	Always	
WSShipment2 .Origin .Country.Code	String	Always	As submitted.
WSShipment2 .Origin .Country.Name	String	Conditional	If submitted.
WSShipment2 .Origin .Country.UsesPostalCode	Boolean	Always	As submitted.



<b>WSShipment2.Origin .SpecialInstructions</b>	String	Conditional	If submitted.
<b>WSShipment2.Origin .GeneralInfo</b>	String	Conditional	If submitted.
<b>WSShipment2.Origin .Direction</b>	String	Conditional	If submitted.
<b>WSShipment2.Origin .Email</b>	String	Conditional	If submitted.
<b>WSShipment2.Origin .Contact</b>	String	Always	As submitted.
<b>WSShipment2.Origin .Phone</b>	String	Always	As submitted.
<b>WSShipment2.Origin .Fax</b>	String	Conditional	If submitted.
<b>WSShipment2.Origin .Mobile</b>	String	Conditional	If submitted.
<b>WSShipment2.Destination</b>	Complex	Always	
<b>WSShipment2. Destination .Description</b>	String	Always	As submitted.
<b>WSShipment2. Destination .Street</b>	String	Always	As submitted.
<b>WSShipment2. Destination .StreetExtra</b>	String	Always	As submitted.
<b>WSShipment2. Destination .PostalCode</b>	String	Always	As submitted.
<b>WSShipment2. Destination .City</b>	String	Always	As submitted.
<b>WSShipment2. Destination .State</b>	String	Always	As submitted.
<b>WSShipment2. Destination .Country</b>	Complex	Always	
<b>WSShipment2. Destination .Country.Code</b>	String	Always	As submitted.
<b>WSShipment2. Destination .Country.Name</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .Country.UsesPostalCode</b>	Boolean	Conditional	As submitted.
<b>WSShipment2. Destination .SpecialInstructions</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .GeneralInfo</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .Direction</b>	String	Conditional	If submitted.



<b>WSShipment2. Destination .Email</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .Contact</b>	String	Always	As submitted.
<b>WSShipment2. Destination .Phone</b>	String	Always	As submitted.
<b>WSShipment2. Destination .Fax</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .Mobile</b>	String	Conditional	If submitted.
<b>WSShipment2. Destination .ContactComment</b>	String	Conditional	If submitted.
<b>WSShipment2. ReferenceNumber</b>	String	Conditional	If submitted.
<b>WSShipment2. PurchaseOrder</b>	String	Conditional	If submitted.
<b>WSShipment2 .ShipperBOL</b>	String	Conditional	If applicable to account.
<b>WSShipment2 .CustomerReferences</b>	Complex (multiple)	Conditional	If submitted.
<b>WSShipment2 .CustomerReferences .Name</b>	String	Always	As submitted.
<b>WSShipment2 .CustomerReferences .Value</b>	String	Conditional	If submitted.
<b>WSShipment2 .CustomerReferences .Required</b>	Boolean	Always	As submitted.
<b>WSShipment2 .DesiredShipmentDate</b>	DateTime	Always	As submitted.
<b>WSShipment2 .EarliestPickup</b>	Complex	Always	As submitted.
<b>WSShipment2. EarliestPickup .Time</b>	String	Always	
<b>WSShipment2 .LatestPickup</b>	Complex	Always	As submitted
<b>WSShipment2 .LatestPickup .Time</b>	String	Always	
<b>WSShipment2 .EarliestDelivery</b>	Complex	Always	As submitted.
<b>WSShipment2 .EarliestDelivery .Time</b>	String	Always	
<b>WSShipment2 .LatestDelivery</b>	Complex	Always	As submitted.



WSShipment2 .LatestDelivery .Time	String	Always	
WSShipment2 .Items	Complex (multiple)	Always	
WSShipment2 .Items .Weight	Decimal	Always	As submitted.
WSShipment2 .Items .PackagingQuantity	Int	Always	As submitted.
WSShipment2 .Items .SaidToContain	Int	Conditional	As submitted.
WSShipment2 .Items .Length	Decimal	Always	As submitted.
WSShipment2 .Items .Width	Decimal	Always	As submitted.
WSShipment2 .Items .Height	Decimal	Always	As submitted.
WSShipment2 .Items .Stackable	Boolean	Always	As submitted.
WSShipment2 .Items .HazardousMaterial	Boolean	Always	As submitted.
WSShipment2 .Items .DeclaredValue	Decimal	Always	As submitted.
WSShipment2 .Items .Description	String	Always	As submitted.
WSShipment2 .Items .Comments	String	Conditional	
WSShipment2 .Items .NationalMotorFreight Classification	String	Conditional	If submitted.
WSShipment2 .Items .HarmonizedTariffSchedule	String	Conditional	If submitted.
WSShipment2 .Items .Packaging	Complex	Always	
WSShipment2 .Items .Packaging .Key	Long	Always	
WSShipment2 .Items .Packaging .PackageName	String	Conditional	
WSShipment2 .Items .Packaging .DefaultLength	Decimal	Conditional	
WSShipment2 .Items .Packaging .DefaultWidth	Decimal	Conditional	
WSShipment2 .Items .Packaging .DefaultHeight	Decimal	Conditional	





<b>WSShipment2 .Items .FreightClass</b>	Complex	Conditional	If submitted.
<b>WSShipment2 .Items .FreightClass .FreightClass</b>	Double	Always	
<b>WSShipment2 .Accessorials</b>	Complex (multiple)	Conditional	If submitted.
<b>WSShipment2 .Accessorials .ServiceCode</b>	String	Always	
<b>WSShipment2 .Accessorials .ServiceDescription</b>	String	Conditional	As submitted
<b>WSShipment2 .Accessorials .BillingCode</b>	String	Conditional	As submitted
<b>WSShipment2 .DeclineAdditionalInsurance IfApplicable</b>	Boolean	Always	As submitted.
<b>WSShipment2 .HazardousMaterialShipme nt</b>	Boolean	Always	As submitted.
<b>WSShipment2 .HazardousMaterialContact Name</b>	String	Always	As submitted.
<b>WSShipment2 .HazardousMaterialContact Phone</b>	String	Always	As submitted.
<b>WSShipment2 .HazardousMaterialContact Mobile</b>	String	Conditional	If submitted.
<b>WSShipment2 .HazardousMaterialContact Email</b>	String	Conditional	If submitted.
<b>WSShipment2 .AvailableRates</b>	Complex (multiple)	Conditional	Zero or more rates available for shipment configuration. Can be null in case of errors.
<b>WSShipment2 .AvailableRates .CarrierKey</b>	String	Always	For service mode Truckload = "[Contract]"
<b>WSShipment2 .AvailableRates .CarrierName</b>	String	Always	For service mode Truckload = "[Contract]"
<b>WSShipment2 .AvailableRates .CarrierScac</b>	String	Conditional	If present for carrier.
<b>WSShipment2 .AvailableRates .BilledWeight</b>	Decimal	Conditional	Present for service mode LessThanTruckload, SmallPackage



<b>WSShipment2</b> <b>.AvailableRates</b> <b>.RatedWeight</b>	Decimal	Conditional	Present for service mode LessThanTruckload
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.RatedCubicFeet</b>	Decimal	Conditional	Present for service mode LessThanTruckload
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.TransitTime</b>	Int	Conditional	Present for service mode LessThanTruckload, SmallPackage
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.EstimatedDeliveryDate</b>	DateTime	Conditional	Present for service mode LessThanTruckload, SmallPackage.
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.ServiceMode</b>	Enum	Always	ServiceMode: 0 for LessThanTruckload, 1 for Truckload, 2 for Air, 3 for Rail, 4 for SmallPackage or 5 for NotApplicable
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.FreightCharges</b>	Decimal	Always	
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.FuelCharges</b>	Decimal	Always	
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.AccessorialCharges</b>	Decimal	Always	
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.ServiceCharges</b>	Decimal	Always	
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.TotalCharges</b>	Decimal	Always	Sum total of Freight, Fuel, Accessorial and Service charges.
<b>WSShipment2</b> <b>.AvailableRates .Mileage</b>	Decimal	Conditional	If available
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.MileageSourceKey</b>	Long	Conditional	If available
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.MileageSourceDescription</b>	String	Conditional	If available
<b>WSShipment2</b> <b>.AvailableRates</b> <b>.BillingDetails</b>	Complex (multiple)	Always	One or more charge billing detail breakdown



WSShipment2 .AvailableRates .BillingDetails .ReferenceNumber	String		Ignored on rate response.
WSShipment2 .AvailableRates .BillingDetails .ReferenceNumberType	Enum		DetailReferenceType: 0 for Shipment, 1 for ServiceTicket, or 2 for Miscellaneous. Ignored on rate response.
WSShipment2 .AvailableRates .BillingDetails .BillingCode	String	Always	
WSShipment2 .AvailableRates .BillingDetails .Category	Enum	Always	ChargeCodeCategory: 0 for Freight, 1 for Fuel, 2 for Accessorial, or 3 for Service.
WSShipment2 .AvailableRates .BillingDetails .Description	String	Always	Billing Code description.
WSShipment2 .AvailableRates .BillingDetails .AmountDue	Decimal	Always	Billing amount
WSShipment2 .AvailableRates .GuarOptions	Complex (multiple)	Conditional	One or more charge billing detail breakdown. Present if available
WSShipment2 .AvailableRates .GuarOptions .ReferenceNumber	String		Ignored on response.
WSShipment2 .AvailableRates .GuarOptions .ReferenceNumberType	Enum		DetailReferenceType: 0 for Shipment, 1 for ServiceTicket, or 2 for Miscellaneous. Ignored on response.
WSShipment2 .AvailableRates .GuarOptions .BillingCode	String	Always	
WSShipment2 .AvailableRates .GuarOptions .Category	Enum	Always	ChargeCodeCategory: 0 for Freight, 1 for Fuel, 2 for Accessorial, or 3 for Service.
WSShipment2 .AvailableRates .GuarOptions .Description	String	Always	Billing Code description.
WSShipment2 .AvailableRates .GuarOptions .AmountDue	Decimal	Always	Billing amount



<b>WSShipment2</b> <b>.AvailableRates</b> <b>.SelectedGuarOption</b>	Complex	Conditional	As submitted
<b>WSShipment2</b> <b>.SelectedRate</b>	Complex (multiple)	Always	As submitted
<b>WSShipment2 .BookedRate</b>	Complex (multiple)	Conditional	Present if no error in processing. See messages for errors
<b>WSShipment2 . BookedRate</b> <b>.CarrierKey</b>	String	Always	For service mode Truckload = "[Contract]"
<b>WSShipment2 . BookedRate</b> <b>.CarrierName</b>	String	Always	For service mode Truckload = "[Contract]"
<b>WSShipment2 . BookedRate</b> <b>.CarrierScac</b>	String	Conditional	If present for carrier.
<b>WSShipment2 . BookedRate</b> <b>.BilledWeight</b>	Decimal	Conditional	Present for service mode LessThanTruckload, SmallPackage
<b>WSShipment2 .BookedRate</b> <b>.RatedWeight</b>	Decimal	Conditional	Present for service mode LessThanTruckload
<b>WSShipment2 .</b> <b>BookedRate.</b> <b>RatedCubicFeet</b>	Decimal	Conditional	Present for service mode LessThanTruckload
<b>WSShipment2 . BookedRate</b> <b>.TransitTime</b>	Int	Conditional	Present for service mode LessThanTruckload, SmallPackage
<b>WSShipment2</b> <b>.BookedRate</b> <b>.EstimatedDeliveryDate</b>	DateTime	Conditional	Present for service mode LessThanTruckload, SmallPackage.
<b>WSShipment2 . BookedRate</b> <b>.ServiceMode</b>	Enum	Always	ServiceMode: 0 for LessThanTruckload, 1 for Truckload, 2 for Air, 3 for Rail, 4 for SmallPackage or 5 for NotApplicable
<b>WSShipment2 . BookedRate</b> <b>.FreightCharges</b>	Decimal	Always	
<b>WSShipment2 . BookedRate</b> <b>.FuelCharges</b>	Decimal	Always	
<b>WSShipment2 . BookedRate</b> <b>.AccessorialCharges</b>	Decimal	Always	
<b>WSShipment2 . BookedRate</b> <b>.ServiceCharges</b>	Decimal	Always	
<b>WSShipment2 . BookedRate</b> <b>.TotalCharges</b>	Decimal	Always	Sum total of Freight, Fuel, Accessorial and Service charges.
<b>WSShipment2 . BookedRate</b> <b>.Mileage</b>	Decimal	Conditional	If available



<b>WSShipment2 . BookedRate .MileageSourceKey</b>	Long	Conditional	If available
<b>WSShipment2 . BookedRate .MileageSourceDescription</b>	String	Conditional	If available
<b>WSShipment2 . BookedRate .BillingDetails</b>	Complex (multiple)	Always	One or more charge billing detail breakdown
<b>WSShipment2 . BookedRate .BillingDetails .ReferenceNumber</b>	String		Ignored on rate response.
<b>WSShipment2 . BookedRate .BillingDetails .ReferenceNumberType</b>	Enum		DetailReferenceType: 0 for Shipment, 1 for ServiceTicket, or 2 for Miscellaneous. Ignored on rate response.
<b>WSShipment2 . BookedRate .BillingDetails .BillingCode</b>	String	Always	
<b>WSShipment2 . BookedRate .BillingDetails .Category</b>	Enum	Always	ChargeCodeCategory: 0 for Freight, 1 for Fuel, 2 for Accessorial, or 3 for Service.
<b>WSShipment2 . BookedRate .BillingDetails .Description</b>	String	Always	Billing Code description.
<b>WSShipment2 . BookedRate .BillingDetails .AmountDue</b>	Decimal	Always	Billing amount
<b>WSShipment2 . BookedRate .GuarOptions</b>	Complex (multiple)	Conditional	One or more charge billing detail breakdown. As submitted
<b>WSShipment2 . BookedRate .GuarOptions .ReferenceNumber</b>	String	Always	
<b>WSShipment2 . BookedRate .GuarOptions .ReferenceNumberType</b>	Enum	Always	DetailReferenceType: 0 for Shipment, 1 for ServiceTicket, or 2 for Miscellaneous.
<b>WSShipment2 . BookedRate .GuarOptions .BillingCode</b>	String	Always	
<b>WSShipment2 . BookedRate .GuarOptions .Category</b>	Enum	Always	ChargeCodeCategory: 0 for Freight, 1 for Fuel, 2 for Accessorial, or 3 for Service.
<b>WSShipment2 . BookedRate .GuarOptions .Description</b>	String	Always	Billing Code description.
<b>WSShipment2 . BookedRate .GuarOptions .AmountDue</b>	Decimal	Always	Billing amount
<b>WSShipment2 . BookedRate .SelectedGuarOption</b>	Complex	Conditional	One or more charge billing detail breakdown. Present if request had SelectedRate with SelectedGuarOption



<b>WSShipment2 . BookedRate .SelectedGuarOption .ReferenceNumber</b>	String	Always	
<b>WSShipment2 . BookedRate .SelectedGuarOption .ReferenceNumberType</b>	Enum	Always	DetailReferenceType: 0 for Shipment, 1 for ServiceTicket, or 2 for Miscellaneous.
<b>WSShipment2 . BookedRate .SelectedGuarOption .BillingCode</b>	String	Always	
<b>WSShipment2 . BookedRate .SelectedGuarOption .Category</b>	Enum	Always	ChargeCodeCategory: 0 for Freight, 1 for Fuel, 2 for Accessorial, or 3 for Service.
<b>WSShipment2 . BookedRate .SelectedGuarOption .Description</b>	String	Always	Billing Code description.
<b>WSShipment2 . BookedRate .SelectedGuarOption .AmountDue</b>	Decimal	Always	Billing amount
<b>WSShipment2 .ReturnConfirmations</b>	Complex (multiple)	Conditional	If no errors, will contain bill of lading (and small package shipping label for SmallPackage service mode).
<b>WSShipment2 .ReturnConfirmations .DocType</b>	Enum	Always	DocumentType: 0 for Pdf, 1 for Html, 2 for Png or 3 for Gif.
<b>WSShipment2 .ReturnConfirmations .DocImage</b>	Byte[]	Always	Document content in binary.
<b>WSShipment2 .ReturnConfirmations .Html</b>	String	Conditional	Currently Ignored. May be available as bill of lading in html format.
<b>WSShipment2 .ReturnConfirmations .Name</b>	String	Always	Document name.
<b>WSShipment2. ContainsErrorMessage</b>	Boolean	Always	True if Messages contains at least one error message. False otherwise.
<b>WSShipment2 .Messages</b>	Complex (multiple)	Conditional	Zero or more errors if present. Can be null.
<b>WSShipment2 .Messages .Value</b>	String	Always	Error message.



WSShipment2 .Messages .Type	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and 3 for Null.
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## 2.28 UpdateVendorProNumber

### 2.28.1 URL

Method: POST  
URL: /UpdateVendorProNumber.aspx

### 2.28.2 Description

Updates the PRO Number for a vendor on a shipment/quote.

### 2.28.3 Input

```
{  
    "ReferenceNumber": "shipmentNumber",  
    "VendorScac": "VendorScac",  
    "VendorProNumber": "VendorProNumber"  
}
```

#### UpdateVendorProNumber Request

Field	Type	Required/ Optional	Description
ReferenceNumber	String	Required	Refence Number for the shipment/quote.
VendorScac	String	Required	The SCAC of the Vendor whose PRO number you wish to update.
VendorProNumber	String	Required	The PRO Number to apply to the matching vendor.

### 2.28.4 Output

```
{  
    "ReferenceNumber": "shipmentNumber",  
    "VendorScac": "VendorScac",  
    "VendorProNumber": "VendorProNumber",  
    "Messages": null,  
    "ContainsErrorMessage": false  
}
```



**UpdateVendorProNumber Response**

Field	Type	Returned	Description
<b>WSVendorProNumber</b>	Complex	Always	
<b>WSVendorProNumber.ReferenceNumber</b>	String	Always	As supplied.
<b>WSVendorProNumber.VendorScac</b>	String	Always	As supplied.
<b>WSVendorProNumber.VendorProNumber</b>	String	Always	As supplied.
<b>WSVendorProNumber.ContainsErrorMessage</b>	String	Always	True if Messages contains at least one error message. False otherwise.
<b>WSVendorProNumber.Messages</b>	Complex (multiple)	Conditional	If messages are present. Can be null.
<b>WSVendorProNumber.Messages.Value</b>	String	Always	Message value.
<b>WSVendorProNumber.Messages.Type</b>	Enum	Always	MessageType is: 0 for Error, 1 for Information, 2 for Warning, and 3 for Null.





## 3. Appendix

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### 3.1 Check Call Codes

A3 = shipment returned to shipper  
A7 = refused by consignee  
A9 = shipment damaged  
AF = carrier departed pickup-up location with shipment  
AG = estimated delivery  
AH = attempted delivery  
AI = shipment has been reconsigned  
AJ = tendered for delivery  
AM = loaded on truck  
AN = diverted to air carrier  
AP = delivery not completed  
AR = rail arrival at destination intermodal ramp  
AV = available for delivery  
B6 = estimated to arrive at carrier terminal  
BA = connecting line or cartage pick-up  
BC = storage in transit  
C1 = estimated to depart terminal location  
CA = shipment cancelled  
CD = carrier departed delivery location  
CL = trailer closed out  
CP = completed loading at pick-up location  
D1 = completed unloading at delivery location  
I1 = in-gate  
J1 = delivered to connecting line  
K1 = arrived at customs  
L1 = loading  
OA = out-gate  
OO = paperwork received - did not receive shipment or equipment  
P1 = departed terminal location  
PR = U.S. customs hold at origin intermodal ramp  
R1 = received from prior carrier  
RL = rail departure from origin intermodal ramp  
S1 = trailer spotted at consignee's location  
SD = shipment delayed  
X1 = arrived at delivery location  
X2 = estimated date and/or time of arrival at consignee's location  
X3 = arrived at pick-up location  
X4 = arrived at terminal location  
X5 = arrived at delivery location loading dock  
X6 = en route to delivery location  
X8 = arrived at pick-up location loading dock  
XB = shipment acknowledged



## 3.2 Usage Suggestions (c#)

### 3.2.1 Authentication Token:

```
var tokenObj = new AuthenticationToken
{
    AccessKey = new Guid("Access Key"),
    Password = "password",
    Username = "Username",
    AccessCode = "Access Code"
};

var bytes = Encoding.UTF8.GetBytes(JsonConvert.SerializeObject(authenticationObj));
var authData = Convert.ToBase64String(bytes);
...
request.Headers.Add("eShipPlusAuth", authData);
```

### 3.2.1 Wrapper

It is recommended that you encapsulate your integration in a wrapper to assist in parsing information. This includes the creation of objects to match the request/responses from the various service calls. Libraries such as JsonConvert can assist with JSON serialization/deserialization.

### 3.2.2 Service Calls

It is suggested that messages are always checked on service calls.

```
var services = x.GetAccessorialServices();

if (services.Count() == 1 && services[0].Messages.Any())
    perform some processing here for any message
```

#### ALTERNATIVELY

```
if (services.Count() == 1 && services[0].Messages.Any(m=>m.Type ==
MessageType.Error))
    perform some processing here for error message
```



### 3.2.3 Tips and Best Practices

It is suggested that you request a separate username and password combination for use with the web service API. eShipPlus v4.x is equipped with auto-reporting so having this separation could become useful in the event you desire to retrieve shipment information that have come via the web services.

## 3.3 Additional Support

### 3.3.1 Developer Access Request page in eShipPlus web application

Additional support is available on the Developer Access Request page in eShipPlus web application (). Available here:

- Windows Form application code sample ( C# .Net 3.5)
- Email function for support

### 3.3.2 Software Application Provider

Additional support is also available by contacting Logistics Plus Inc's software development team (<http://www.logisticsplus.net>).

