OLD DOMINION FREIGHT LINE, INC.
BILL OF LADING API DEVELOPMENT GUIDE

Helping The World Keep Promises®

Contents

Getting Started

Overview

The eBoL Standard API is a REST service which allows for the submission of electronic Bills of Lading. This format aligns with the NMFTA's digital council eBOL. This format feeds data to not only OD but any carrier set up to use the standardized eBOL. This will connect to our billing system and allow the data to be used to generate shipping label and/or bill of lading documents. Users can receive a PRO number or provide one that they already possess. The API also allows the user to modify the eBOL data after it has been submitted.

You can find more information on all the API services we provide on our Shipping API Integrations page at ODFL.com.

Testing

We provide a QA environment for use while Onboarding to new services or when testing is required.

When you're ready to begin, visit Shipping API Integrations and click **Email an Expert** for assistance.

Authentication

To use this service, you will need an ODFL.com account with a username and password. This grants you access to data for your specific accounts. Visit our website at ODFL.com and click Sign Up to register.

Have questions about your OD account? We're here to help, Monday-Friday, 7 a.m. – 8 p.m. ET:

- Telephone: 1-800-235-5569
- Email: Internet.CustomerService@odfl.com

Request

Obtain a session token by making a GET request to:

Environment	URL
QA	https://apiq.odfl.com/auth/v1.0/token
Production	https://api.odfl.com/auth/v1.0/token

- Authorization Type: Basic Auth
- Username: Provide your ODFL.com Username
- Password: Provide your ODFL.com Password

Response

Code	Message	Notes
200	OK	A session token and expiration are returned. Session tokens expire one hour after issue.
400	Invalid Credentials	The OD Username or Password you've provided is incorrect or your account is disabled. Contact API@odfl.com for assistance.
503	Service Unavailable	Verify that the URL and Authorization Type is correct. If the problem persists, please notify us at: API@odfl.com.

Request

Authorization

Provide the session token obtained during Authentication as Authorization:

- Type: Bearer Token

Base Path

Perform a POST to:

Environment	URL
QA	https://apiq.odfl.com/BOL/v3.1/eBOL/bol-external-per-standards
Production	https://api.odfl.com/BOL/v3.1/eBOL/bol-external-per-standards

Fields

Required

Name	Type	Description
bol.requestedPickupDate	ISO-8601	The requested pickup date -"2025-01-15" or "2025-01-15T10:30:00.000" -YYYY-MM-DD or YYYY-MM-DDTHH:mm:ss.sss -Value in PickupDate does not generate a pickup request. -Use our Pickup API to request pickup.
bol.function	String	The intent for the submitted request. (See Values)
bol.isTest	Boolean	The value should always be 'False' when calling to the production environment. -Use OD's QA environment instead of 'True'.
bol.requestorRole	String	Identifies the party making the request. (See Values)
version	String	Which minor version of the Digital LTL Council Bill of Lading spec being used. - v2.0.1
commodities.lineItemLayout	String	The layout of the commodities shipped. (See Values)
commodities.handlingUnits.count	Integer	Number of the handling units being described.

Name	Type	Description
commodities.handlingUnits.type	String	Types of the handling units being described. (See Values)
commodities.handlingUnits.weight	Integer	Total weight for the specified handling units.
commodities.handlingUnits.lineItems.description	String	Description of the freight.
commodities.handlingUnits.lineItems.weight	Integer	Total weight for the specified line Item.
commodities.handlingUnits.lineItems.pieces	Integer	Number of individual pieces for the line item being described.
commodities.handlingUnits.lineItems.packagingType	String	Packaging type for the individual pieces of the line item being described. (See Values)
commodities.handlingUnits.lineItems.classification	String	The shipment item class. (See Values)
commodities.handlingUnits.lineItems.hazardous	Boolean	Indicates whether the shipment is hazardous materials. -True or false
payment.terms	String	The freight payment terms (See Values)
origin.name	String	Company name associated with the origin location
origin.address1	String	Line1 of the origin location address
origin.city	String	City of the origin location address
origin.stateProvince	String	Two letter state/province code for the origin location address.
origin.postalCode	String	The address zip/postal code of the origin location. -"12345" (5 digits - USA/MEX) -"A1A1A1" (6 characters - CAN) -"A1A1A" (5 characters - CAN)
origin.country	String	Three letter country code for the origin location. (See Values)
origin.contact.phone	String	The origin telephone number -"9995551212" 10 digits (Area code + phone)
destination.name	String	Company name associated with the destination location.
destination.address1	String	Line1 of the destination location address.
destination.city	String	City of the destination location address.
destination.stateProvince	String	Two letter state/province code for the destination location.

Name	Type	Description
destination.postalCode	String	The address zip code of the destination location.
destination.country	String	Three letter country code for the destination locati on. (See Values)
destination.contact.phone	String	The destination telephone number -"9995551212" 10 digits (Area code + phone)
billTo.name	String	Company name associated with the billTo location
billTo.address1	String	Primary Address line for the billTo location.
billTo.city	String	City Name for the billTo location.
billTo.stateProvince	String	Two letter state/province code for the billTo location.
billTo.postalCode	String	The address zip code of the billTo location.
billTo.country	String	Three letter country code for the billTo location. (See Values)
billTo.contact.phone	String	The billTo telephone number. -"9995551212" 10 digits (Area code + phone)

Conditionally Required

Name	Type	Description
images.ShippingLabels.format	String	Specifies the printer format type for the labels. -Required when images.includeShippingLabels is true.
images. Shipping Labels. quantity	Integer	Specifies the quantity of pages desired. -Required when images.includeShippingLabels is true.
images. Shipping Labels. Position	Integer	Specifies the starting position for shipping labels. -Required when images.shippingLabel is Avery. -Valid Values: 1-6
images.email.addresses	Array	Provide one or more email addresses to receive the bol and/or shipping labels PDF. -Required when email.includeBoL and/or images.email.includeLabels is true

accessorials.hazardousDetails.emerge ncyContact.name	String	Name of the contact person in case of hazardous materials-related issue. -Required if accessorial codes list contains HAZ and/or if any commodity line item's hazardous flag
accessorials.hazardousDetails.emerge ncyContact.phonenumber	String	Phone number of the contact person in case of hazardous materials-related issue. -Required if accessorial codes list contains HAZ and/or if any commodity line item's hazardous flag -"9995551212" 10 digits (Area code + phone)
accessorials.cod.amount	*String*	*Amount to be received for the COD.* *-Required when accessorial code COD is present in the accessorial.codes list.* **-OD does not support COD.**
accessorials.cod.currency	*String*	*Optional attribute to indicate currency of COD. (See Values)* *-Required when accessorial code COD is present in the accessorial.codes list.* *-Defaults to USD* **-OD does not support COD.**
accessorials.cod.terms	*String*	*Payment terms associated with the COD. (See Values)* *-Required when accessorial code COD is present in the accessorial.codes list.* **-OD does not support COD.**
accessorials.cod.customerCheckAcce ptable	*Boolean*	*Indicates if a customer check or cash is acceptable.* *-Required when accessorial code COD is present in the accessorial.codes list.* *-True or false* **-OD does not support COD.**
accessorials.cod.remitTo.name	*String*	*Name of the remit to company.* *-Required when accessorial code COD is present in the accessorial.codes list.* **-OD does not support COD.**
accessorials.cod.remitTo.address1	*String*	*Primary Address line of the remit to company.* *-Required when accessorial code COD is present in the accessorial.codes list.* **-OD does not support COD.**
accessorials.cod.remitTo.address2	*String*	*Secondary Address of the remit to company.* *-Required when accessorial code COD is present in the accessorial.codes list.* **-OD does not support COD.**
accessorials.cod.remitTo.city	*String*	*City Name of the remit to company.* *-Required when accessorial code COD is present in the accessorial.codes list.* **-OD does not support COD.**

accessorials.cod.remitTo.stateProvince	*String*	*Two letter state/province code of the remit to company.* *-Required when accessorial code COD is present in the accessorial.codes list.* **-OD does not support COD.**
accessorials.cod.remitTo.postalCode	*String*	*The address zip code of the of the remit to company.* *-Required when accessorial code COD is present in the accessorial.codes list.* **-OD does not support COD.**
accessorials.cod.remitTo.country	*String*	*Three letter country code of the remit to company.* *(See Values)* *-Required when accessorial code COD is present in the accessorial.codes list.* **-OD does not support COD.**
accessorials.sortAnd Segregate Details.pieces	Integer	Number of pieces in a shipment to be sorted and segregated. -Required when accessorial code SRT is present in the accessorial.codes list.
accessorials.fullValueCoverageDetails.monetaryValue	String	Value of the cargo -Required when accessorial code FVC is present in the accessorial.codes list. -"500.50" (2 decimal places only)
accessorials.fullValueCoverageDetails.currency	String	Optional attribute to indicate currency of monetary value. (See Values) -Required when accessorial code FVC is present in the accessorial.codes list. -Defaults to USD
accessorials.markDetails.pieces	Integer	Number of pieces in a shipment. -Required when accessorial code MARK is present in the accessorial.codes list.
accessorials.limitedAccessType.origin	String	To indicate the limited access type at the origin when accessorial code LTDAP is present. (See Values) -Required when accessorial code LTDAP is present in the accessorial.codes list.
accessorials.limitedAccessType.destination	String	To indicate the limited access type at the destination when accessorial code LTDAD is present. (See Values) -Required when accessorial code LTDAD is present in the accessorial.codes list.
accessorials.timeCriticalDetails.type	String	To indicate type of delivery "Time Critical Service" (See Values) -Required when accessorials.code list include TCS.

accessorials.timeCriticalDetails.date.start	ISO-8601	The start date (with or without time) of the requested delivery window. -Required when accessorials.code list include TCS. -"2025-01-15" or "2025-01-15T10:30:00.000" -YYYY-MM-DD or YYYY-MM-DDTHH:mm:ss.sss
accessorials.timeCriticalDetails.date.end	ISO-8601	The end date (with or without time) of the requested delivery window. -Required when accessorials.code list include TCS. -"2025-01-15" or "2025-01-15T10:30:00.000" -YYYY-MM-DD or YYYY-MM-DDTHH:mm:ss.sss
accessorials.appointmentDetails.pickup.start	ISO-8601	The start date (with or without time) of the requested shipment pickup window. -Required when accessorials.code list include APTP. -"2025-01-15" or "2025-01-15T10:30:00.000" -YYYY-MM-DD or YYYY-MM-DDTHH:mm:ss.sss
accessorials.appointmentDetails.pickup.end	ISO-8601	The end date (with or without time) of the requested shipment pickup window. -Required when accessorials.code list include APTP. -"2025-01-15" or "2025-01-15T10:30:00.000" -YYYY-MM-DD or YYYY-MM-DDTHH:mm:ss.sss
accessorials.appointmentDetails.delivery.start	ISO-8601	The start date (with or without time) of the requested shipment pickup window. -Required when accessorials.code list include APTD. -"2025-01-15" or "2025-01-15T10:30:00.000" -YYYY-MM-DD or YYYY-MM-DDTHH:mm:ss.sss
accessorials.appointmentDetails.delivery.end	ISO-8601	The end date (with or without time) of the requested shipment pickup window. -Required when accessorials.code list include APTD. -"2025-01-15" or "2025-01-15T10:30:00.000" -YYYY-MM-DD or YYYY-MM-DDTHH:mm:ss.sss
customsBroker.contact.phone	String	The Customs Broker telephone number. -Required when adding customsBroker -"9995551212" 10 digits (Area code + phone)

Optional

Name	Type	Description
specialInstructions	String	Special delivery instructions that need to be followed for the shipment's delivery. -Instructions included here will be printed on the Bill of Lading.
images.includeBol	Boolean	Indicates whether the image of the populated BOL should be returned in the response. -True or false -Default is false

images.includeShippingLabels	Boolean	Indicates whether the image(s) of the shipping labels should be returned in the response. -True or false -Default is false
images.email.includeBol	Boolean	Indicates to send the BOL PDF to be sent to one or more email addresses. -True or false
images.email.includeLabels	Boolean	Indicates to send the shipping labels PDF to be sent to one or more email addresses. -True or false
notifications.phoneNumber	*String*	*Phone number of contact for updates about shipment movements.* **-OD currently does not support this feature.**
notifications.email	*String*	*Email address of contact for updates about shipment movements.* **-OD currently does not support this feature.**
referenceNumbers.pro	String	Shipper's pre-assigned PRO number for the requested carrier. -If pro is not provided, one will be auto assigned by the carrier.
referenceNumbers.quoteId	String	Quote (estimate) number provided by the carrier after submitting a rate quote request
referenceNumbers.shipmentId	String	Shipment Id (SID) number for the shipment.
referenceNumbers.masterBol	String	Master Bill of Lading number for the shipment.
referenceNumbers.bol	Array	An array to contain bill of lading numbers. -Values in the array should be strings.
referenceNumbers.po	Array	An array to contain purchase order numbers and information related to those numbers.
referenceNumbers.po.number	String	The Purchase Order number.
referenceNumbers.po.pieces	Integer	Total pieces associated with the Purchase Order.
referenceNumbers.po.weight	Integer	Total weight associated with the Purchase Order.
referenceNumbers.po.palletized	Boolean	Indicates whether the pieces associated with the purchase order numbers are on a pallet/slip/skid or not. -True or false
referenceNumbers.po.additional ShipperInfo	String	Additional information from shipper per line item
referenceNumber.AdditionalReference .name	String	Indicates the name of the reference number provided. -Does not appear on OD BOL document.

referenceNumber.AdditionalReference.value	String	Additional reference number that correlates with the additional reference name. -Does not appear on OD BOL document. -If needed, please add to specialinstructions
commodities.handlingUnits.tareWeight	Integer	Weight of the skids/pallets/slips used in the shipment
commodities.handlingUnits.stackable	Boolean	Identifies if the freight can be stacked on one another. -True or false -Default is false
commodities.handlingUnits.weightUnit	String	The unit of measurement for weight. (See Values) -Defaults to Pounds (Imperial) if not passed.
commodities.handlingUnits.length	String	The length of the handling units being described.
commodities.handlingUnits.width	String	The width of the handling units being described.
commodities.handlingUnits.height	Integer	The height of the handling units being described.
commodities.handlingUnits.dimensionsUnit	String	The unit of measurement for dimensions. (See Values) -Defaults to Inches (Imperial) if not passed.
commodities.handlingUnits.lineItems.weightUnit	String	The unit of measurement for weight. (See Values) -Defaults to Pounds (Imperial) if not passed.
commodities.handlingUnits.lineItems.nmfc	String	The handling unit NMFC code of the freight.
commodities.handlingUnits.lineItems.nmfcSub	String	The handling unit NMFC sub value of the freight.
commodities.handlingUnits.lineItems.hazardousDescription	String	Detailed description of the hazardous item.
commodities.handlingUnits.lineItems.hazardousDetails.weight	Integer	Total weight of hazardous material covered by one description.
commodities.handlingUnits.lineItems.hazardousDetails.class	String	Hazardous material class.
commodities.handlingUnits.lineItems.hazardousDetails.unnaNumber	String	Indicates Proper Identification Number (UN or NA) corresponding to the Proper Shipping Name. -UN or NA followed by 4 digits
commodities.handlingUnits.lineItems.hazardousDetails.propername	String	Proper shipping name of the hazardous material.
commodities.handlingUnits.lineItems.hazardousDetails.technicalName	String	Technical name for the hazardous material. -Not all hazardous items will have a technical name.
commodities.handlingUnits.lineItems.hazardousDetails.packagingGroup	String	Hazmat Packing Group number. -Not all hazmat items have a packing group.

commodities.handlingUnits.lineItems.hazardousDetails.contractNumber	String	The contract number of the hazardous materials.
shipmentTotals.grossWeight	Integer	Total weight of the entire shipment, including handling units (tare weight).
shipmentTotals.netWeight	Integer	Total weight of the entire shipment, not including handling units (tare weight).
shipmentTotals.weightUnit	String	The unit of measurement for weight. (See Values) -Defaults to Pounds (Imperial) if not passed.
shipmentTotals.handlingUnits	Integer	Handling unit count for the entire shipment.
shipmentTotals.linearLength	Integer	Linear length for the entire shipment
shipmentTotals.dimensionsUnit	String	The unit of measurement for dimensions. (See Values) -Defaults to Inches (Imperial) if not passed.
shipmentTotals.cube	Integer	Cubic volume of the entire shipment. -Total length X total width X total height
shipmentTotals.cubeDimensionsUnit	String	The unit of measurement for cubic dimensions. (See Values) -Defaults to Feet (Imperial) if not passed.
shipmentTotals.declaredValue	Integer	Total monetary value of the shipment in USD
shipmentTotals.currency	String	Indicates monetary value of the shipment. (See Values) -Defaults to USD.
accessorials.codes	Array	Array for list of services requested (See Values)
origin.account	String	Company's account number/id for the origin.
origin.locationID	*String*	*Company's locationId for the origin.* *-OD does not support this feature.*
origin.address2	String	Secondary Address line for the origin location.
origin.contact.phoneExt	String	The origin telephone extension.
origin.contact.name	String	Name of the origin location's contact person.
origin.contact.email	String	Email address of the origin location's contact person.
destination.account	String	Company's account number/id for the destination.
destination.locationID	*String*	*Company's locationID for the destination.* *-OD does not support this feature*
destination.address2	String	Secondary Address line for the destination location
destination.contact.phoneExt	String	The destination telephone extension.

destination.contact.name	String	Name of the destination location's contact person.
destination.contact.email	String	Email address of the destination location's contact person.
billTo.account	String	Company's account number/id for the billTo.
billTo.locationID	*String*	*Company's locationID for the billTo.* **-OD does not support this feature**
billTo.address2	String	Secondary Address line for the billTo location.
billTo.contact.phoneExt	String	The billTo telephone extension.
billTo.contact.name	String	Name of the billTo location's contact person.
billTo.contact.email	String	Email address of the billTo location's contact person.
customsBroker.type	String	Used to identify a customs broker that is involved in a cross-border freight move. (See Values)
customsBroker.name	String	Company name associated with the customs Broker location.
customsBroker.address1	String	Primary Address line for the customs Broker location
customsBroker.address2	String	Secondary Address line for the customs Broker location.
customsBroker.city	String	City Name for the customs Broker location
customsBroker.stateProvince	String	Two letter state/province code for the customs Broker location.
customsBroker.postalCode	String	The address zip/postal code of the Customs Broker location.
customsBroker.country	String	Three letter country code for the customs Broker location. (See Values)
customsBroker.contact.phoneExt	String	The Customs Broker telephone extension.
customsBroker.contact.name	String	Broker location's contact person.
customsBroker.contact.email	String	Email address of the customs

Values

Field Name	Valid Values	
function	Create	
	Modify	
requestorRole	Shipper	
	Consignee	
	Third Party	
commodities.lineItemLayout	Nested	Indicates if the Handling Unit/Line Item relationship is known. If this value is used, each Line Item associated to a Handling Unit is conditionally required to be passed within that Handling Unit's object.
	Stacked	Indicates if the Handling Unit/Line Item relationship is not known. If this value is used, Line Items may passed within any Handling Unit object.
Country	CAN	Canada
	MEX	Mexico
	USA	United States
accessorials.timeCriticalDetails.type	*Deliver On Date* ***-OD <u>currently</u> does not support this option – Release coming soon***	
	Deliver On or After Date	
	Deliver By Date	
	Delivery Window	
commodities.handlingUnits. lineItems.classification	50	
	55	
	60	
	65	
	70	
	77.5	
	85	
	92.5	

Continued- *commodities.handlingUnits.* *lineItems.classification*	100	
	110	
	125	
	150	
	175	
	200	
	250	
	300	
	400	
	500	
payment.Terms	Collect	
	Prepaid	
	Third Party **-OD does not support "Third Party"**	
commodities.handlingUnits.type, commodities.handlingUnits.lineItems .packagingType	BAG	Bag
	BAL	Bale
	BBL	Barrel
	BSK	Basket
	BIN	Bin
	BOX	Box
	BXT	Bucket
	BCH	Bunch
	BDL	Bundle
	CAB	Cabinet
	CAG	Cage
	CAN	Can
	CBY	Carboy
	CAR	Carrier
	CTN	Carton
	CAS	Case

Continued-commodities.handlingUnits.type, commodities.handlingUnits.lineItems.packagingType	CSK	Cask
	CHS	Chest
	COL	Coil
	CNT	Container
	COR	Cores
	CRT	Crate
	CYL	Cylinder
	DRM	Drum
	DBK	Dry Bulk
	ENV	Envelope
	FIR	Firkin
	GLD	Gaylord
	HPR	Hamper
	HRB	On Hanger or Rack in Boxes
	INT	Intermediate Bulk container
	JAR	Jar
	JCN	Jerrycan
	KEG	Keg
	KIT	Kit
	LIF	Lifts
	LBK	Liquid Bulk
	LSE	Loose
	MXD	Mixed
	OTH	Other
	PKG	Package
	PCK	Packed
	PAL	Pail
	PAT	Pallet
Continued-	PCS	Piece
	PLN	Pipe Line

commodities.handlingUnits.type, commodities.handlingUnits.lineItems.packagingType	RCK	Rack
	REL	Reel
	ROL	Roll
	SKD	Skid
	SLP	Slip Sheet
	SPL	Spool
	TNK	Tank
	TBN	Tote
	TRY	Tray
	TRU	Truckload
	TRK	Trunk
	TUB	Tub
	TBE	Tube
	UNT	Unit
	VPK	Van Pack
	WRP	Wrapped
weightUnit	Pounds	
	Kilograms	
dimensionsUnit	Inches	
	Centimeters	
shipmentTotals.cubeDimensionsUnit	Feet	
	Meters	
limitedAccessType	Airport	
	Church	
	Club	
	Construction	
	Fair	
	Farm	
Continued-limitedAccessType	Hotel	
	Other	

	Park	
	Port	
	School	
	Secure	
	Storage	
	Tradeshow	
accessorial.Codes	APTD	Appointment required at delivery
	APTP	Appointment required at pickup
	COD	*Collect on delivery.* **-OD does not support COD.**
	EXPD	Expedited Service
	FVC	Full Value Coverage
	GTD_AM	*Guaranteed Service -by Morning* **-OD does not support GTD_AM**
	GTD_NOON	Guaranteed Service -by Noon
	GTD_PM	Guaranteed Service- by End of Day
	HAZ	Hazardous material
	IDL	Inside Delivery
	INBD	In bond shipment
	IPU	Inside pickup
	LFTD	Lift gate required at delivery
	LFTP	Lift gate required at pickup
	LTDAD	Limited access delivery
	LTDAP	Limited access pickup
	MARK	Marked or tagged
	MNC	Must notify consignee
	OVR	Over dimension/excessive length
	PPD	Perishables (food)
Continued- *accessorial.Codes*	PSC	Protective from cold
	PSH	Protective from heat
	PSN	Poisonous material

	REP	Residential pickup
	RES	Residential delivery
	SRT	Sort and segregate
	SS	Single Shipment
	TCS	Time Critical Service
accessorials.cod.currency, accessorials.fullValueCoverageDetails.currency, shipmentTotals.currency, shipmentTotals.currency,	USD	United States
	CAD	*Canada* **-OD <u>currently</u> does not support this option – Release coming soon**
	MXN	*Mexico* **-OD <u>currently</u> does not support this option**
customsBroker.type	Import	Customs broker handling the destination -side of the cross-border freight move
	Export	Customs broker handling the origin side of the cross-border freight move

Sample

bol-request

Request

```json
{
   "bol": {
      "function": "Create",
      "requestedPickupDate": "2025-01-15T10:30:00.000",
      "isTest": true,
      "requestorRole": "Third Party",
      "specialInstructions": "Gate code 123 to enter."
   },
   "version": "2.0.1",
   "commodities": {
      "lineItemLayout": "nested",
      "handlingUnits": [
         {
            "count": 1,
            "type": "SKD",
            "weight": 400,
            "tareWeight": 400,
            "weightUnit": "Pounds",
            "length": 48,
            "width": 48,
            "height": 48,
            "dimensionsUnit": "inches",
            "stackable": false,
            "lineItems": [
               {
                  "weight": 400,
                  "classification": "85",
                  "description": "HAZMAT",
                  "hazardous": true,
                  "pieces": 1,
                  "packagingType": "DRM",
                  "nmfc": "",
                  "nmfcSub": "",
                  "hazardousDescription": "test",
                  "hazardousDetails": {
                     "weight": 10,
                     "class": "65",
                     "unnaNumber": "test",
                     "propername": "test",
                     "technicalName": "test",
                     "packingGroup": "test",
                     "contractNumber": "test"
                  }
               }
```

```
            ]
          },
          {
            "count": 1,
            "type": "SKD",
            "weight": 500,
            "lineItems": [
              {
                "weight": 50,
                "classification": "92.5",
                "description": "test desc",
                "hazardous": false,
                "pieces": 10,
                "packagingType": "BOX"
              }
            ]
          }
      ]
    },
    "payment": {
      "terms": "Prepaid"
    },
    "origin": {
      "name": "Shipper Inc",
      "address1": "123 Shipper Street",
      "city": "DOWNEY",
      "stateProvince": "CA",
      "postalCode": "90241",
      "country": "USA",
      "contact": {
        "phone": "1234569874"
      }
    },
    "destination": {
      "name": "Consignee Co",
      "address1": "321 Consignee Court",
      "city": "Acheson",
      "stateProvince": "AB",
      "postalCode": "T7X5A6",
      "country": "CAN",
      "contact": {
        "phone": "1234569874"
      }
    },
    "billTo": {
      "name": "Shipper Inc Prepaid",
      "address1": "123 Shipper Street",
      "city": "Downey",
      "stateProvince": "CA",
      "postalCode": "90241",
      "country": "USA",
      "contact": {
        "phone": "1234569874",
        "phoneExt": "6",
```

```
        "name": "Con Tact",
        "email": "test@ebol.com"
      },
      "account": null,
      "address2": "Building 2"
    },
  "images": {
    "includeBol": true,
    "includeShippingLabels": true,
    "shippingLabels": {
      "format": "Avery",
      "quantity": 4,
      "position": 1
    },
    "email": {
      "includeBol": true,
      "includeLabels": true,
      "addresses": [
        "test@ebol.com"
      ]
    }
  },
  "notifications": [
    {
      "phoneNumber": "1234569874",
      "email": "test@ebol.com"
    }
  ],
    "referenceNumbers": {
    "quoteId": "12345678",
    "SHIP": "1234",
    "masterBol": "",
    "bol": [
      "test",
      "test"
    ],
    "po": [
      {
        "number": "PO123456",
        "pieces": 1,
        "weight": 400,
        "palletized": true,
        "additionalShipperInfo": "test"
      },
      {
        "number": "PO123456",
        "pieces": 10,
        "weight": 500,
        "palletized": true,
        "additionalShipperInfo": "test"
      }
    ],
    "additionalReferences": []
  },
```

```
"shipmentTotals": {
    "grossWeight": 900,
    "netWeight": 900,
    "weightUnit": "pounds",
    "handlingUnits": 2,
    "linearLength": 48,
    "dimensionsUnit": "inches",
    "cube": 50,
    "cubeDimensionsUnit": "feet",
    "declaredValue": 1500.20,
    "currency": "usd"
},
    "accessorials": {
        "codes": ["HAZ"],
        "hazardousDetails": {
            "emergencyContact": {
                "name": "Name",
                "phone": 1111111111
            }
        },
        "limitedAccessType": {
            "origin": null,
            "destination": null
        },
        "delivery": {
            "start": "2025-01-17T10:30:00.000",
            "end": "2025-01-17T15:30:00.000"
        }
    }
},
"customsBroker": {
    "type": "Import",
    "name": "Broker LLC",
    "address1": "987 Broker Road",
    "city": "Atlanta",
    "stateProvince": "GA",
    "postalCode": "30304",
    "country": "USA",
    "contact": {
        "phone": "1234569874",
        "phoneExt": "2",
        "name": "Bro Ker",
        "email": "test@ebol.com"
    },
    "address2": "c/o broker"
}
}
```

Response

```
// JSON Successful Response Data
{
    "version": "2.0.1",
    "transactionDate": "Tue Jul 18 11:38:26 EDT 2023",
    "referenceNumbers": {
        "pro": 77777777777,
        "shipmentConfirmationNumber": null
    },

// JSON Response Data with Validation Errors
{
    "version": null,
    "transactionDate": null,
    "referenceNumbers": null,
    "images": null,
    "messageStatus": {
        "status": "BAD_REQUEST",
        "resolution": "Reference number for the request is 1689700063830",
        "messages": [
            "Delivery end date must be after the delivery begin date."
        ],
        "codes": [
            400
        ]
    }
}

// JSON Response Data with HTML error code
{
  "timestamp": "2023-07-18T17:06:13.710+00:00",
    "status": 400,
    "error": "Bad Request",
    "path": "/bol-external-per-standards"
}

// JSON Response Data with Base Path error code
{
    "timestamp": "2023-09-11T21:10:00.503+00:00",
    "status": 404,
    "error": "Not Found",
    "path": "/bol-external-per"
}
```

Response

Fields

Field	Definition	Data Type
success	Successful HTTP requests.	flag
version	Version of the Digital LTL Council BOL.	string
transactionDate	The date and time for the response received.	string
pro	The PRO number submitted with or generated by the request.	string
resolution	Number given to reference when requesting assistance for review.	string
messages	Message given with specific error codes. See Response Codes	string
codes	Error code given for failed request. See Response Codes	string
bol	A base 64 encoded pdf of the bill of lading.	string
shippingLabels	A base 64 encoded pdf of the shipping label.	string

Response Codes

Code	Message	Details
200	Ok	Successful HTTP requests.
400	Unexpected error running rate request, please try again later. "status": "BAD_REQUEST"	If the problem persists, contact API@odfl.com.
401	Unauthorized	The authentication token is missing or expired.
404	Not Found	Base Path is incorrect.
500	Internal Server Error	If the problem persists, contact API@odfl.com.