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 for submitting electronic Bills of Lading. It follows the NMFTA's digital council eBOL format and supports data sharing with OD and any carrier using the standardized eBOL. The API connects to our billing system, enabling the creation of shipping labels and Bills of Lading. Users can either receive a PRO number or provide one they already have. After submission, users can also modify the eBOL data.

For more information on all our API services, visit the Shipping API Integrations Page at ODFL.com.

Testing

We offer a QA environment for onboarding and testing purposes. To get started, visit the Shipping API Integrations Page and click "Email an Expert" for help.

Authentication

To use this service, you need an ODFL.com account with a username and password. This will give you access to your account data. To register, visit ODFL.com and click "Sign Up".

If you have questions about your OD account, we're available to help Monday–Friday, 7 a.m.–8 p.m. ET.
- Telephone: 1-800-235-5569
- Email: Internet.CustomerService@odfl.com

Bearer Token

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

Utilize the session token obtained during Authentication as Authorization.

- Type: Bearer Token

Base Path

Create

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

Modify

Can only be done for pros that have had eBoL data submitted by create.

Perform a PUT to:

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

Delete

Send the pro number to be deleted as a parameter on this endpoint. There is no body for this request.

Perform a DELETE to:

Environment	URL
QA	https://apiq.odfl.com/BOL/v3.1/eBOL/deleteBolPro?proNumber=
Production	https://api.odfl.com/BOL/v3.1/eBOL/deleteBolPro?proNumber=

Create & Modify Fields

Required

Name	Type	Description
bol.requestedPickupDate	ISO-8601	The requested pickup date -"2025-01-15" <u>or</u> "2025-01-15T10:30:00.000" -YYYY-MM-DD <u>or</u> 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. - 2.1.0
commodities.lineItemLayout	String	The layout of the commodities shipped. (See Values)
commodities.handlingUnits.count	Integer	Number of the handling units being described.
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

Name	Type	Description
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. -"12345-1234" (5 digits + 4 - USA) -"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.
destination.postalCode	String	The address zip code of the destination location. -"12345-1234" (5 digits + 4 - USA) -"12345" (5 digits - USA/MEX) -"A1A1A1" (6 characters - CAN) -"A1A1A" (5 characters - CAN)
destination.country	String	Three letter country code for the destination location. (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. -"12345-1234" (5 digits + 4 - USA) -"12345" (5 digits - USA/MEX) -"A1A1A1" (6 characters - CAN) -"A1A1A" (5 characters - CAN)
billTo.country	String	Three letter country code for the billTo location. (See Values)

Name	Type	Description
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. -Avery or Zebra
images.shippingLabels.quantity	Integer	Specifies the quantity of pages desired. -Required when images.includeShippingLabels is true.
images.shippingLabels.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 images.email.includeBoL and/or images.email.includeLabels is true
commodities.handlingUnits.lineItems.hazardousDescription	String	Detailed description of the hazardous item. - Required when hazardous flag is true -"UN/NA#, Proper Name, (Technical Name *if applicable*), Hazardous Class, Packing Group *if applicable*"
commodities.handlingUnits.lineItems.hazardousDetails.weight	Integer	Total weight of hazardous material covered by one description. - Required when hazardous flag is true
commodities.handlingUnits.lineItems.hazardousDetails.class	String	Hazardous material class. - Required when hazardous flag is true
commodities.handlingUnits.lineItems.hazardousDetails.unnaNumber	String	Indicates Proper Identification Number (UN or NA) corresponding to the Proper Shipping Name. - Required when hazardous flag is true -UN or NA followed by 4 digits
commodities.handlingUnits.lineItems.hazardousDetails.propername	String	Proper shipping name of the hazardous material. - Required when hazardous flag is true
commodities.handlingUnits.lineItems.hazardousDetails.technicalName	String	Technical name for the hazardous material. - DOT requirement if applicable -Not all hazardous items will have a technical name.
commodities.handlingUnits.lineItems.hazardousDetails.packingGroup	String	Hazmat Packing Group number. -DOT requirement if applicable -Not all hazmat items have a packing group.
commodities.handlingUnits.lineItems.hazardousDetails.contractNumber	String	The contract number of the hazardous materials. - DOT requirement if applicable
accessorials.codes	Array	The list of services requested for the shipment. (See Values)

Name	Type	Description
accessorials.hazardousDetails.emergencyContact.name	String	Name of the contact person in case of hazardous materials-related issue. - Required when hazardous flag is true
accessorials.hazardousDetails.emergencyContact.phone	String	Phone number of the contact person in case of hazardous materials-related issue. - Required when hazardous flag is true -"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.customerCheckAcceptable	*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.*

Name	Type	Description
Continued-accessorials.cod.remitTo.stateProvince		*-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.sortAndSegregate 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.

Name	Type	Description
		-"2025-01-15" <u>or</u> "2025-01-15T10:30:00.000" -YYYY-MM-DD <u>or</u> 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" <u>or</u> "2025-01-15T10:30:00.000" -YYYY-MM-DD <u>or</u> 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" <u>or</u> "2025-01-15T10:30:00.000" -YYYY-MM-DD <u>or</u> 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" <u>or</u> "2025-01-15T10:30:00.000" -YYYY-MM-DD <u>or</u> 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" <u>or</u> "2025-01-15T10:30:00.000" -YYYY-MM-DD <u>or</u> 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" <u>or</u> "2025-01-15T10:30:00.000" -YYYY-MM-DD <u>or</u> 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
bol.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

Name	Type	Description
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 the contact for tracking updates about shipment movements.
notifications.email	String	Email address of the contact for tracking updates about shipment movements.
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. -If sent but has no value, send as null
referenceNumbers.quoteId	String	Quote (estimate) number provided by the carrier after submitting a rate quote request. -Value should not contain a tariff prefix and/or hyphen. -10 digits -If sent but has no value, send as null
referenceNumbers.shipmentId	String	Shipment ID (SID) number for the shipment. -If sent but has no value, send as null
referenceNumbers.masterBol	String	Master Bill of Lading number for the shipment. -If sent but has no value, send as null
referenceNumbers.trailerId	String	Indicates the spotted trailer a shipment is loaded on. -If sent but has no value, send as null
referenceNumbers.manifestId	String	Indicates that the shipment is associated to a manifest that includes multiple shipments, possibly across multiple spotted trailers. -If sent but has no value, send as null
referenceNumbers.bol	Array	An array to contain bill of lading numbers. -Values in the array should be strings. -Multiple BOL numbers can be sent.
referenceNumbers.po	Array	An array to contain purchase order numbers and information related to those numbers.
referenceNumbers.po.number	String	The Purchase Order number. -Multiple PO numbers can be sent.
referenceNumbers.po.pieces	Integer	Total pieces associated with the Purchase Order.
referenceNumbers.po.weight	Integer	Total weight associated with the Purchase Order.

Name	Type	Description
referenceNumbers.po.weightUnit	String	The unit of measurement for weight. Defaults to Pounds (Imperial) if not passed. (See Values)
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.additionalReferences .name	String	Indicates the specific user type and/or type. (See Values) -Does not appear on OD BOL document.
referenceNumber.additionalReferences .value	String	Indicates the name of the specific user. -LOAD will be the only value displayed on OD BOL document.
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 -Must be false if lineItems.hazardous is true
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.dimensions Unit	String	The unit of measurement for dimensions. (See Values) -Defaults to Inches (Imperial) if not passed.
commodities.handlingUnits.lineItems.w eightUnit	String	The unit of measurement for weight. (See Values) -Defaults to Pounds (Imperial) if not passed.
commodities.handlingUnits.lineItems.n mfc	String	The handling unit NMFC code of the freight.
commodities.handlingUnits.lineItems.n mfcSub	String	The handling unit NMFC sub value of the freight.
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).

Name	Type	Description
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.
origin.account	String	Company's OD 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 OD 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 OD account number/id for the billTo.
billTo.locationID	*String*	*Company's locationID for the billTo.* *-OD does not support this feature*

Name	Type	Description
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. -"12345-1234" (5 digits + 4 - USA) -"12345" (5 digits - USA/MEX) -"A1A1A1" (6 characters - CAN) -"A1A1A" (5 characters - CAN)
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	Description
function	Create	
	Modify	
requestorRole	Shipper	
	Consignee	
	Third Party	
commodities.lineItemLayout	Nested	Indicates if the handlingUnit / lineItem relationship is known. If this value is used, each lineItem associated to a handlingUnit is conditionally required to be passed within that handlingUnit object.
	Stacked	Indicates if the handlingUnit / lineItem relationship is not known. If this value is used, lineItem maybe passed within any handlingUnit object.
Country	CAN	Canada
	MEX	Mexico
	USA	United States
accessorials.timeCriticalDetails.type	Deliver On Date	
	Deliver On or After Date	
	Deliver By Date	
	Delivery Window	
commodities.handlingUnits. lineItems.classification	50	
	55	
	60	
	65	
	70	
	77.5	
	85	
	92.5	
	100	
	110	

Field Name	Valid Values	Description
	125	
	150	
	175	
	200	
	250	
	300	
	400	
	500	
	Not Required	
payment.Terms	Prepaid	Shipper is paying for the freight
	Collect	Consignee is paying for the freight
	Third Party **-OD does not support "Third Party" as a payment term.**	If the third party is associated to the shipper, send prepaid with the third party information in the billTo sections. If the third party is associated to the consignee, send collect with the third party information in the billTo sections. If the shipment is a true third party, send either prepaid or collect with the third party information in the billTo sections.
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
Continued- commodities.handlingUnits.type,	CAN	Can

Field Name	Valid Values	Description
commodities.handlingUnits.lineItems .packagingType	CBY	Carboy
	CAR	Carrier
	CTN	Carton
	CAS	Case
	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
	HGH	Hogshead
	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
Continued-	OTH	Other

Field Name	Valid Values	Description
commodities.handlingUnits.type, *commodities.handlingUnits.lineItems* *.packagingType*	PKG	Package
	PCK	Packed
	PAL	Pail
	PAT	Pallet
	PCS	Piece
	PLN	Pipe Line
	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	
additionalReferences.name	Customer	Recommended for Auto Billing.

Field Name	Valid Values	Description
	Integration	Recommended for Auto Billing.
	TMS	If applicable, recommended for Auto Billing.
	3PL	If applicable, recommended for Auto Billing.
	LOAD	
shipmentTotals.cubeDimensionsUnit	Feet	
	Meters	
limitedAccessType	Airport	
	Airport-3	Airport Cargo
	Church	
	Church-55	Place of Worship
	Club	
	Club-21	Country Club / Golf Course
	Club-60	Private Club
	Construction	
	Construction-17	Construction Site
	Fair	
	Fair-27	Fairgrounds
	Farm	
	Farm-30	Fruit Orchard
	Farm-62	Pumpkin Patch / Vegetable Patch
	Farm-87	Winery
	Hotel	
	Hotel-14	Casino
	Hotel-35	Hotel
	Hotel-41	Lodging
	Hotel-47	Motel / Inn
	Hotel-54	Parking Lot / Garage
	Hotel-65	Resort
	Hotel-66	Restaurant / Bar

Field Name	Valid Values	Description
	Mine	
	Mine-46	Mine / Quarry
	Other	
	Other-6	Book Store
	Other-7	Bowling Alley
	Other-8	Brewery
	Other-9	Business Park
	Other-12	Car Rental
	Other-13	Car Wash
	Other-19	Convenience Store
	Other-23	Daycare
	Other-24	Dealership
	Other-25	Distillery
	Other-26	Factory Outlet
	Other-28	Fast Food
	Other-31	Funeral Home
	Other-33	Gym / Fitness Center
	Other-38	Laundry / Dry Cleaner
	Other-40	Liquor Store
	Other-42	Mall
	Other-48	Native American Reservation
	Other-52	Other
	Other-67	Retail Store
	Other-68	Salon / Barber
	Other-72	Shopping Center
	Other-75	Specialty Food Store
	Other-78	Theater
	Other-80	Truck Stop
	Other-83	Vet / Kennel

Field Name	Valid Values	Description
	Park	
	Park-4	Amusement Park
	Park-5	Aquarium
	Park-10	Camp
	Park-11	Campground / RV Park
	Park-15	Cemetery
	Park-53	Park
	Park-64	Recreational
	Park-73	Ski Resort
	Park-76	Sports Venue
	Park-77	State / National Park
	Park-88	Zoo
	Port	
	Port-22	Cruise Line Terminal
	Port-29	Ferry
	Port-43	Marina
	Port-57	Port
	School	
	School-34	Hospital
	School-36	Junior College
	School-39	Library / Museum
	School-44	Medical Facility
	School-50	Nursing Home / Assisted Living
	School-56	Police / Fire / Rescue
	School-61	Public Transit Station
	School-69	School
	School-70	School District Office
	School-79	Trade School
	School-81	University / College

Field Name	Valid Values	Description
	Secure	
	Secure-32	Government Site
	Secure-37	Junkyard / Landfill
	Secure-45	Military Base
	Secure-49	Nuclear Power Plant
	Secure-51	Oil / Gas
	Secure-58	Power Plant
	Secure-59	Prison / Detention Center
	Secure-63	Rail Yard
	Secure-74	Solar Power Farm
	Secure-82	Utility Site
	Secure-84	Waste Transfer Station
	Secure-85	Water Treatment Plant
	Secure-86	Wind Power Farm
	Storage	
	Storage-18	Container Freight Station
	Storage-71	Self Storage Warehouse
	Tradeshow	
	Tradeshow-16	Conference Center
	Tradeshow-20	Convention Center
accessorial.codes	APTD	Appointment required at delivery
	APTP	Appointment required at pickup
	BRO	*ODFL Brokerage Service Requested* **- Delivering Soon** *-Specific for ODFL use only*
	COD	*Collect on delivery.* **-ODFL does not support COD.**
	EXPD	Expedited Service
	FVC	ODFL Additional Cargo Liability Coverage
	GTD_AM	*Guaranteed Service -by Morning* **-OD does not support GTD_AM**

Field Name	Valid Values	Description
	GTD_NOON	Guaranteed Service -by Noon
	GTD_PM	Guaranteed Service- by End of Day
	HAD	*Hold at Destination Dock* **- Delivering Soon** *-Specific for ODFL use only*
	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
	LV1	Project MABD Service - Level 1 -Specific for ODFL use only
	LV2	Project MABD Service - Level 2 -Specific for ODFL use only
	MARK	Marked or tagged
	MNC	Must notify consignee
	OVR	Over dimension/excessive length
	PLJ	*Pallet Jack Required for Delivery* **- Delivering Soon** *-Specific for ODFL use only*
	PLU	*Pallet Jack Required for Pickup* **- Delivering Soon** *-Specific for ODFL use only*
	PPD	Perishables (food)
	PSC	Protective from cold
	PSH	Protective from heat
	PSN	Poisonous material
	REP	Residential pickup
	RES	Residential delivery
	SRT	Sort and segregate

Field Name	Valid Values	Description
	SS	Single Shipment
	TCS	Time Critical Service
accessorials.cod.currency, accessorials.fullValueCoverageDetails. currency, shipmentTotals.currency, shipmentTotals.currency,	USD	United States
	CAD	Canada
	MXN	*Mexico* **-OD currently does not support MXN currency**
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

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. - YYYY-MM-DDTHH:mm:ss.sss	string
referenceNumbers.pro	The PRO number submitted with or generated by the request.	string
referenceNumbers. shipmentConfirmationNumber	Number provided by the carrier to acknowledge they accepted the BOL. - ODFL will return null	string
scac	4-letter, Standard Carrier Alpha Code - ODFL	*string*
images.bol	A base 64 encoded pdf of the bill of lading.	string
images.shippingLabels	A base 64 encoded pdf of the shipping label.	string
termsAndConditions	Carrier's terms and conditions. - ODFL will return null	string
messageStatus.status	Indicates the status of the request. (See Response Values)	string
messageStatus.resolution	Number given to reference when requesting assistance for review.	string
messageStatus.messages	Message given with specific error codes.	string

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. - YYYY-MM-DDTHH:mm:ss.sss	string
messageStatus.codes	Error code given for failed request.	string
messageStatus.information	The code, type, and message of the response. - ODFL will return an empty list - "information": []	list
resultStatusCodes	*Numerical codes describing any logical status outcomes.* *(See Response Values)* **- Delivering Soon**	string

Flags

Code	Message	Notes
200	OK	Successful HTTP requests.
400	Bad Request	Often errors within the 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.

Values

Field Name	Values	Description
messageStatus.status	PASS	Request is successful with no exceptions.
	FAIL	Request is unsuccessful due to some exception.
	WARNING	Request is successful with some exception.
resultStatusCodes **- Delivering Soon**	*100*	*General Information*
	200	*Warning Non-Critical Error*
	300	*Failure Data Error*
	400	*Failure Formatting Error*
	500	*Failure Business Logic Error*
	600	*Failure Carrier Specific Error*
	700	*Failure Outside Ship Window*

Field Name	Values	Description
	800	*Failure No Freight - Will be re-attempted*
	900	*Failure No Freight - Pick UP Closed*
	1000	*Failure Freight Not ready*
	1100	*Failure Packaging Problem*
	1200	*Failure BoL PDF Image Not Created*
	1300	*Failure Label PDF Image not Created*
	1400	*Failure Duplicate Pro*
	1500	*Failure Unknown Reason*
	1600	*Failure Shipper Closed*
	1700	*Failure Duplicate PO*

Sample

Request

```
{
  "bol": {
    "function": "Create",
    "requestedPickupDate": "2025-08-27T10:30:00.000",
    "isTest": false,
    "requestorRole": "Third Party",
    "specialInstructions": "Gate code 123 to enter."
  },
  "version": "2.1.0",
  "commodities": {
    "lineItemLayout": "nested",
    "handlingUnits": [
      {
        "count": 2,
        "type": "SKD",
        "weight": 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",
```

```json
                    "nmfc": "",
                    "nmfcSub": "",
                    "hazardousDescription": "UN1993, flammable liquids, n.o.s. (flammable liquids), 3, PG III",
                    "hazardousDetails": {
                        "weight": 50,
                        "class": "3",
                        "unnaNumber": "UN1993",
                        "propername": " flammable liquids, n.o.s.",
                        "technicalName": "flammable liquids",
                        "packingGroup": "III",
                        "contractNumber": "test"
                    }
                }
            ]
        },
        {
            "count": 1,
            "type": "SKD",
            "weight": 500,
            "lineItems": [
                {
                    "weight": 75,
                    "classification": "92.5",
                    "description": "test desc",
                    "hazardous": false,
                    "pieces": 10,
                    "packagingType": "BOX"
                },
                {
                    "weight": 425,
                    "nmfc": "174610",
                    "nmfcSub": "03",
                    "classification": "250",
                    "description": "test desc",
                    "hazardous": false,
                    "pieces": 10,
                    "packagingType": "BOX"
                }
            ]
        }
    ]
},
"payment": {
    "terms": "Prepaid"
},
"origin": {
    "name": "Shipper Inc",
    "address1": "C/O Distribution Center",
    "address2": "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": {
                        "account": null,
                        "name": "Shipper Inc Prepaid",
                        "address1": "123 Shipper Street",
                        "address2": "Building 2",
                        "city": "Downey",
                        "stateProvince": "CA",
                        "postalCode": "90241",
                        "country": "USA",
                        "contact": {
                            "phone": "1234569874",
                            "phoneExt": "6",
                            "name": "Con Tact",
                            "email": "test@ebol.com"
                        }
                    },
                    "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": {
                        "pro": "11111111111",
                        "quoteId": "12345678",
                        "trailerID": "1111",
                        "manifestId": "2222",
                        "shipmentId": "3333",
                        "masterBol": "4444",
                        "bol": [
                            "BOL123",
                            "88888888"
                        ],
                        "po": [
                            {
                                "number": "PO123456",
                                "pieces": 1,
                                "weight": 400,
```

```
          "weightUnit": "",
          "palletized": true,
          "additionalShipperInfo": "test"
        },
        {
          "number": "PO654321",
          "pieces": 10
        }
      ],
      "additionalReferences": [
        {
          "name": "Customer",
          "value": "CustomerName"
        },
        {
          "name": "Integration",
          "value": "IntegrationName"
        },
        {
          "name": "TMS",
          "value": "TMSName"
        },
        {
          "name": "3PL",
          "value": "ThirdPartyLogisticsName"
        },
        {
          "name": "LOAD",
          "value": "12345"
        }
      ]
    },
    "shipmentTotals": {
      "grossWeight": 1300,
      "netWeight": 1300,
      "weightUnit": "pounds",
      "handlingUnits": 3,
      "linearLength": 8,
      "dimensionsUnit": "inches",
      "cube": 50,
      "cubeDimensionsUnit": "feet",
      "declaredValue": 1500.20,
      "currency": "USD"
    },
    "accessorials": {
      "codes": [
        "HAZ",
        "FVC",
        "MARK",
        "TCS",
        "APTP",
        "APTD"
      ],
      "hazardousDetails": {
        "emergencyContact": {
          "name": "Name",
          "phone": 1111111111
        }
      },
      "fullValueCoverageDetails": {
        "monetaryValue": "500.50",
```

```
          "currency": "USD"
      },
      "markDetails": {
          "pieces": 4
      },
      "timeCriticalDetails": {
          "type": "Delivery Window",
          "date": {
              "start": "2025-01-17T10:30:00.000",
              "end": "2025-01-17T15:30:00.000"
          }
      },
      "appointmentDetails": {
          "pickup": {
              "start": "2025-01-15",
              "end": "2025-01-15"
          },
          "delivery": {
              "start": "2025-01-17T10:30:00.000"
          }
      }
  },
  "customsBroker": {
      "type": "Import",
      "name": "Broker LLC",
      "address1": "C/O Broker",
      "address2": "987 Broker Road",
      "city": "Atlanta",
      "stateProvince": "GA",
      "postalCode": "30304",
      "country": "USA",
      "contact": {
          "phone": "1234569874",
          "phoneExt": "2",
          "name": "Bro Ker",
          "email": "test@ebol.com"
      }
  }
}
```

Response

```
// JSON Successful Response Data
{
    "version": "2.1.0",
    "transactionDate": "2024-10-22T13:05:40.342",
    "referenceNumbers": {
        "pro": 77777777777,
        "shipmentConfirmationNumber": null
    },
    "images": {
        "bol": null,
        "shippingLabels": null
    },
    "termsAndConditions": null,
    "messageStatus": {
```

```
            "status": "PASS",
            "resolution": null,
            "message": "",
            "code": "",
            "information": []
        }
}

// JSON Response Data with Validation Errors
{
    "version": "2.1.0",
    "transactionDate": "2024-10-22T13:04:07.842",
    "referenceNumbers": null,
    "images": null,
    "termsAndConditions": null,
    "messageStatus": {
        "status": "FAIL",
        "resolution": "Reference number for the request is 1234567891011",
        "message": "invalid accessorials.codes.  See API documentation for valid values.",
        "code": "400",
        "information": []
    }
}

// JSON Response Data with HTML error code
{
    "timestamp": "2024-08-21T18:16:46.980+00:00",
    "status": 400,
    "error": "Bad Request",
    "path": "/bol-external-per-standards"
}

// JSON Response Data with Base Path error code
{
    "timestamp": "2024-08-21T18:17:16.048+00:00",
    "status": 404,
    "error": "Not Found",
    "path": "/bol-external-per-standards"
}
```