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# Peninsula Truck Lines Digital LTL Council eBOL API Implementation Guide

v 3.1

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## Section 1 – General

The Peninsula Truck Lines Public eBOL API provides customers with the ability to create, update, and delete an industry standard electronic Bill of Lading. A secure HTTPS call is made by the customer’s application and processed by the Public API, which then returns a JSON response. The API supports three methods: POST (create), PUT (update), and DELETE.

The specifications of the eBOL are directed by the Digital LTL Council and NMFTA. Documentation for all versions of eBOL can be found at <https://digitaltl.nmfta.org/#>. Swagger documentation specific to v2.1.0 can be found at <https://digitaltl.nmfta.org/api-documentation/v2.1.0>. See Section 9 for Peninsula’s exceptions to the Council’s specification.

## Section 2 – Creating a Web Account

You must have a Peninsula Truck Lines web account to use the Public eBOL API. Steps for creating a web account:

1. Go to the Peninsula Truck Lines website: <https://peninsulatruck.com/>
2. Click the Sign In button in the upper right-hand corner, from the PTL Site login pop up, click the “Don’t have an account?” link.
3. You will be presented with the Account Registration form that when submitted is the first step in creating your web account.
4. You will receive an email with a subject line of "**Verify your email**" that comes from PTL Site Backend <no-reply@auth0user.net> with a button you need to click to verify their email (orange button labeled VERIFY YOUR ACCOUNT).
5. After clicking the VERIFY YOUR ACCOUNT button you will see a page indicating your email has been verified.
6. After verifying your email you will receive an email with a subject line of "**Peninsula Truck Lines User Account**" that comes from Peninsula Truck Lines Customer Service <noreply@peninsulatruck.com> indicating your account is pending approval.
7. Customer Service will approve the pending account within 24 hours. Once approved, you will receive an email with the subject line of “Peninsula Truck Lines Web Access” from [custserv@peninsulatruck.com](mailto:custserv@peninsulatruck.com).
8. At this point your web account is ready for use.

## Section 3 – Managing API Keys

API keys are managed through the Peninsula Truck Lines website. If you do not currently have a web account, see Section 2 – Creating a Web Account for the steps to complete this prerequisite.

1. Log into the website.
2. Click the down arrow to the right of your login name in the upper right-hand corner and select “My API Keys”.
3. Click the “New API Key” button.
4. In the “Create API Key” pop up, enter the user ID in the Target User ID field.
5. Choose the type of key you want to create (Production or Sandbox) in the API Environment drop down.
6. Click the “Create” button.
7. The newly created key will display in the My API Keys section showing the User ID, Environment, Created Date and Expiration Date.
8. Click the “Reveal” button to see the API key.
9. Each API key is valid for one year. A new key must be created after a prior key has expired.
10. To delete an API key, click the trash can icon on the far right and choose the “Delete API Key” button in the confirmation window pop up.

## Section 4 – Accessing the Public API

The Public eBOL API is accessed at the URL <https://api.peninsulatruck.com/api/ebol/v3.1/>. The API requires the use of an assigned API key specific to each user. API keys are created as instructed in Section – 3 Managing API Keys and can be accessed through our website at <https://api.peninsulatruck.com/#/api-keys>.

Prior to making a call to the Public eBOL API, the user's API key must be validated as described in Section 8 – Validating the API key. This validation will provide an authenticated Bearer Token, which is valid for 4 hours. When the token expires, the API key must be validated again and a new token issued to allow continued use.

## Section 5 – Notes on JSON Transmission

- The order that fields appear in the body of the JSON payload or response does not matter, however the nested structure of objects and arrays must be respected
- Fields and arrays listed as **required** must be present or the API call will return an error
- All arrays allow for multiple entries inside the array
- Each entry in the array will represent a single element of the array, with all associated fields for that element
- Each array may appear only one time in the payload
- Dates will be in the YYYY-MM-DDTHH:mm:ss.sss format and can be sent with or without time
- Time components are sent in Military time, as a 24-hour clock
- Phone numbers can be sent as NNN-NNN-NNNN or NNNNNNNNNN, without a leading 1 or 0
- String fields **are** case sensitive with restrictions as noted in the section for that field
- Generalized documentation on JSON standards can be found at <https://www.json.org/>
- A Bearer Token (received by validating your API key) is required in the header of all calls - if the Bearer Token value is not included, the API call will be rejected via error 401

## Section 6 – API Volume Limits

A regular API key will allow up to 20 transactions a minute and are capped at 5,000 transactions per day. If a high-volume license key is required, please email IT support at [itsupport@peninsulatruck.com](mailto:itsupport@peninsulatruck.com).

## Section 7 – Aggregator License Information

*The Aggregator license functionality will be available in a future release*

Aggregators need to contact IT support at [itsupport@peninsulatruck.com](mailto:itsupport@peninsulatruck.com) to be issued an Aggregator token. This token must be included in the header of all API calls in a custom header field named **xaggregatorcode**. This token will track volume limits individually by customer, rather than collectively, for all traffic coming through the aggregator.

## Section 8 – Validating the API Key

To receive a validated Bearer Token, allowing use of the Public API for up to 4 hours, a call must be made to the URL <https://api.peninsulatruck.com/api/auth/token>. The body of this call will be a JSON payload with 2 fields, **grantType** (which will have the value of "key") and **secret** (which will have the user's API key to validate).



- Width cannot exceed 93”
- Widths greater than or equal to 50” are limited to a maximum length of 144”
- Widths less than 50” are limited to a maximum length of 324”
- The payload contents for CREATE and UPDATE are checked for consistency. Failing the following tests will trigger rejection of the payload and return errors in the response:
  - If provided, the values for the various **weightUnit** fields in the **commodities{}** and **shipmentTotals{}** objects of the payload must be consistent
  - If provided, the value of **shipmentTotals-handlingUnits** must match the sum of the various **commodities-handlingUnits-count** fields
  - The sum of the various **commodities-handlingUnits-weight** fields must match the sum of the various **commodities-handlingUnits-linItems-weight** fields and both must match the value of **shipmentTotals-netWeight** if it is provided
  - If provided, the value of **shipmentTotals-grossWeight** must match the sum of the various **commodities-handlingUnits-weight** fields plus the sum of the various **commodities-handlingUnits-tareWeight** fields
  - If provided, the value of **commodities-handlingUnits-linItems-hazardousDetails-weight** must not exceed the value of the **commodities-handlingUnits-linItems-weight** that it is nested within
  - If there is content in **commodities-handlingUnits-linItems-hazardousDescription** or in the **commodities-handlingUnits-linItems-hazardousDetails{}** object, then **commodities-handlingUnits-linItems-Hazardous** must be set to **true**
  - If any hazardous material is detected in the **commodities{}** object, the code **HAZ** must be present in the **accessorials-codes[]** array
  - If the code **HAZ** is present in the **accessorials-codes[]** array, there must be at least 1 line item that contains hazardous material information in the **commodities{}** object
  - If there is data in **accessorials-sortAndSegregateDetails-pieces**, the code **SRT** must be present in the **accessorials-codes[]** array
  - If there is data in **accessorials-fullValueCoverage-monetaryValue**, the code **FVC** must be present in the **accessorials-codes[]** array
  - If there is data in **accessorials-markDetails-pieces**, the code **MARK** must be present in the **accessorials-codes[]** array
  - If there is data in **accessorials-limitedAccessType-origin**, the code **LTDAP** must be present in the **accessorials-codes[]** array
  - If there is data in **accessorials-limitedAccessType-destination**, the code **LTDAD** must be present in the **accessorials-codes[]** array
  - If there is data in the **accessorials-timeCriticalDetails{}** object, the code **TCS** must be present in the **accessorials-codes[]** array
  - If there is data in the **accessorials-appointmentDetails-pickup{}** object, the code **APTP** must be present in the **accessorials-codes[]** array
  - If there is data in the **accessorials-appointmentDetails-delivery{}** object, the code **APTD** must be present in the **accessorials-codes[]** array
  - None of the date or time fields in the payload can contain a date earlier than today or a time before the API submission time, if the associated date is today
  - Date ranges must be consistent if present (ending date/time cannot be before starting date/time)
  - The hazmat values for **unnaNumber**, **class**, and **packingGroup** will be searched for in the **hazardousDescription** (primary) and **description** (secondary) fields if they are not provided for a hazmat line item and those values will be checked against an internal Peninsula database that will cause a rejection if we do not transport that particular hazardous material

## Section 10 – API Function POST (Create eBOL)

### Call

A **POST** call to the URL <https://api.peninsulatruck.com/api/ebol/v3.1> with a valid **Bearer Token** and valid JSON payload will generate a Bill of Lading. Valid payloads will be assigned PRO numbers beginning with “98” (98nnnnnnnn). Payloads that fail validation will not be assigned PRO numbers and will have any information about the error(s) detected in the **information** section of the response. If the **isTest** value in the payload is set to **true**, a test/temporary Pro number will be assigned, any PDFs returned will be watermarked as Test data, and the BOL information will not be saved.

For additional information about valid values, field definitions or data samples, check the Digital Council’s Swagger Page: <https://digitaltlnmfta.org/api-documentation/v2.1.0>.

Section	Field	Type	Req'd	Example Data
Main Body	version	STRING	Yes	v2.1
BOL Object	bol		Yes	"bol": {}
	requestedPickupDate	STRING	Yes	2025-07-07T12:00:00.000
	function	STRING	Yes	create
	isTest	BOOLEAN	No	true/false
	requestorRole	STRING	Yes	Third Party
	specialInstructions	STRING	No	Check in with dock manager upon arrival
Images Object	images		No	"images": {}
	includeBol	BOOLEAN	No	true/false
	includeShippingLabels	BOOLEAN	No	true/false
Images / ShippingLabels Object	shippingLabels	STRING	No	"shippingLabels": {}
	format	STRING	No	Avery
	quantity	INTEGER	No	1,
	position	INTEGER	No	6
Images / Email Object	email	STRING	No	"email": {}
	includeBol	BOOLEAN	No	true/false
	includeLabels	BOOLEAN	No	true/false
Images / Email / Addresses Array	addresses		No	"addresses": []
	-- No Label --	STRING	No	john@harvey.com, jake@email.com
Notifications Array	notifications		No	"notifications": [{}]
	phoneNumber	STRING	No	5551112222
	email	STRING	No	d@m.com
ReferenceNumbers Object	referenceNumbers		No	"referenceNumbers": {}
	pro	STRING	No	789452224
	quoteld	STRING	No	W265749
	shipmentId	STRING	No	SID9991121
	masterBol	STRING	No	MBL121212
	trailerId	STRING	No	2954113
	manifestId	STRING	No	Manifest 12

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ReferenceNumbers / BOL Array	bol		No	"bol": []
	-- No Label --	STRING	No	BL1111111, BL1111112
ReferenceNumbers / PO Array	po		No	"po": {}
	number	STRING	No	PO9544
	pieces	INTEGER	No	12
	weight	INTEGER	No	500
	weightUnit	STRING	No	Pounds
	palletized	BOOLEAN	No	true/false
	additionalShipperInfo	STRING	No	All pieces must be labelled
ReferenceNumbers / AdditionalReferences Array	additionalReferences		No	"additionalReferences": {}
	name	STRING	No	Customer Order Number
	value	STRING	No	465-23
Payment Object	payment		Yes	"payment": {}
	terms	STRING	Yes	Prepaid
Commodities Object	commodities		Yes	"commodities": {}
	lineltemLayout	STRING	Yes	Nested
Commodities / HandlingUnits Array	handlingUnits	STRING	Yes	"handlingUnits": {}
	count	INTEGER	Yes	1
	type	STRING	Yes	PAT
	tareWeight	INTEGER	No	20
	weight	INTEGER	Yes	480
	weightUnit	STRING	No	Pounds
	length	INTEGER	No	24
	width	INTEGER	No	24
	height	INTEGER	No	36
	dimensionsUnit	STRING	No	Inches
	stackable	BOOLEAN	Yes	true/false
Commodities / HandlingUnits / Lineltems Array	lineltems		Yes	"lineltems" {}
	description	STRING	Yes	BUNDLE(S) W PIPE
	weight	INTEGER	Yes	460
	weightUnit	STRING	No	Pounds
	pieces	INTEGER	Yes	1
	packagingType	STRING	No	PAT
	classification	STRING	Yes	77.5
	nmfc	STRING	No	88500
	nmfcSub	STRING	No	6
	hazardous	BOOLEAN	Yes	true/false
	hazardousDescription	STRING	No	UN 1090, Acetone, 3, PG II
Commodities / HandlingUnits / Lineltems / HazardousDetails Object	hazardousDetails		No	"hazardousDetails": {}
	weight	INTEGER	No	460
	weightUnit	STRING	No	Pounds
	class	STRING	No	3
	unnaNumber	STRING	No	1005

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	properName	STRING	No	TNT N.O.S.
	technicalName	STRING	No	Tri-Nitro Toluene
	packingGroup	STRING	No	3
	contractNumber	STRING	No	5551432
ShipmentTotals Object	shipmentTotals		No	"shipmentTotals": {}
	grossWeight	INTEGER	No	480
	netWeight	INTEGER	No	460
	weightUnit	STRING	No	Pounds
	handlingUnits	INTEGER	No	13
	linearLength	INTEGER	No	144
	dimensionsUnit	STRING	No	Inches
	cube	INTEGER	No	240
	cubeDimensionsUnit	STRING	No	Feet
	declaredValue	INTEGER	No	65000
currency	STRING	No	USD	
Accessorials Object	accessorials		No	"accessorials": {}
Accessorials / Codes Array	codes		No	[]
	-- No Label --	STRING	No	FVC, HAZ
Accessorials / HazardousDetails Object	hazardousDetails		No	"hazardousDetails": {}
Accessorials / HazardousDetails / EmergencyContact Object	emergencyContact		No	"emergencyContact": {}
	name	STRING	No	Jim Brewer
	phone	STRING	No	8005551212
Accessorials / COD Object	cod		No	"cod": {}
	amount	DECIMAL	No	<b>Peninsula does not accept COD</b>
	currency	STRING	No	
	terms	STRING	No	
	customerCheckAcceptable	BOOLEAN	No	
Accessorials / COD / RemitTo Object	remitTo		No	"remitTo": {}
	name	STRING	No	<b>Peninsula does not accept COD</b>
	address1	STRING	No	
	address2	STRING	No	
	city	STRING	No	
	stateProvince	STRING	No	
	postalCode	STRING	No	
	country	STRING	No	
Accessorials / SortAndSegregate Object	sortAndSegregateDetail		No	"sortAndSegregateDetails": {}
	pieces	INTEGER	No	15
Accessorials / FullValueCoverageDetails Object	fullValueCoverageDetails		No	"fullValueCoverageDetails": {}
	monetaryValue	DECIMAL	No	65000.00
	currency	STRING	No	USD
	markDetails		No	"markDetails": {}

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Accessorials / MarkDetails Object	pieces	INTEGER	No	12
Accessorials / LimitedAccessType Object	limitedAccessType		No	"limitedAccessType": {}
	origin	STRING	No	Airport
	destination	STRING	No	Tradeshow
Accessorials / TimeCriticalDetails Object	timeCriticalDetails		No	"timeCriticalDetails": {}
	type	STRING	No	Delivery Window
Accessorials / TimeCriticalDetails / Date Object	date		No	"date": {}
	start	STRING	No	2025-07-10T08:00:00.000
	end	STRING	No	2025-07-10T12:00:00.000
Accessorials / AppointmentDetails Object	appointmentDetails		No	"appointmentDetails": {}
Accessorials / AppointmentDetails / Pickup Object	pickup		No	"pickup": {}
	start	STRING	No	2025-07-07T14:00:00.000
	end	STRING	No	2025-07-07T18:00:00.000
Accessorials / AppointmentDetails / Delivery Object	delivery		No	"delivery": {}
	start	STRING	No	2025-07-10T08:00:00.000
	end	STRING	No	"2025-07-10T12:00:00.000
Origin Object	origin		Yes	"origin": {}
	account	STRING	No	292237
	locationId	STRING	No	808
	name	STRING	Yes	Origin Name
	address1	STRING	Yes	99599 YELM HWY SE
	address2	STRING	No	Ste 3
	city	STRING	Yes	OLYMPIA
	stateProvince	STRING	Yes	WA
	postalCode	STRING	Yes	98501
country	STRING	Yes	USA	
Origin / Contact Object	contact		Yes	"contact": {}
	phone	STRING	Yes	8885551212
	phoneExt	STRING	No	100
	name	STRING	No	John Smith
	email	STRING	No	js@on.com
Destination Object	destination		Yes	"destination": {}
	account	STRING	No	654321
	locationId	STRING	No	102
	name	STRING	Yes	Destination Name
	address1	STRING	Yes	110111 YELM HWY SE
	address2	STRING	No	Unit 1
	city	STRING	Yes	OLYMPIA
	stateProvince	STRING	Yes	WA
	postalCode	STRING	Yes	98501
country	STRING	Yes	USA	

Destination / Contact Object	contact		Yes	"contact": {}
	phone	STRING	Yes	8885551212
	phoneExt	STRING	No	100
	name	STRING	No	John Berry
	email	STRING	No	jb@bc.com
BillTo Object	billTo		Yes	"billTo": {}
	account	STRING	No	123456
	locationId	STRING	No	555
	name	STRING	Yes	BillTo Name
	address1	STRING	Yes	99599 YELM HWY SE
	address2	STRING	No	Ste 3
	city	STRING	Yes	OLYMPIA
	stateProvince	STRING	Yes	WA
	postalCode	STRING	Yes	98501
	country	STRING	Yes	USA
BillTo / Contact Object	contact		Yes	"contact": {}
	phone	STRING	Yes	8885551212
	phoneExt	STRING	No	100
	name	STRING	No	John Suza
	email	STRING	No	js@bc.com
CustomsBroker Object	customsBroker		No	"customsBroker": {}
	type		No	Import
	name	STRING	No	INTERNATIONAL EXPORTS EXPEDITED
	address1	STRING	No	501 STATE ST
	address2	STRING	No	Building G
	city	STRING	No	CHICAGO
	stateProvince	STRING	No	IL
	postalCode	STRING	No	60601
country	STRING	No	USA	
CustomsBroker / Contact Object	contact		No	"contact": {}
	phone	STRING	Yes	8885551212
	phoneExt	STRING	No	515
	name	STRING	No	John Daley
	email	STRING	No	jd@bc.com

## Response

Example response to an API call:

Section	Field	Type	Example Data
Main Body	version	STRING	"2.1
	transactionDate	STRING	2025-08-20T13:46:53
	scac	STRING	PENS
	termsAndConditions	STRING	Subject to individually determined rates or contract that have been agreed upon in writing
ReferenceNumbers Object	referenceNumbers		"referenceNumbers": {}
	pro	STRING	9800000000
	shipmentConfirmationNumber	STRING	@YpOEhPkuNb.C
Images Object	images		"images": {}
	bol	STRING	JVBERi0xLjcNCiWhs8XXDQoxIDAgb2JqDQo8PC9BY3JvRm9ybSA0IDAgUiAvT...
	shippingLabels	STRING	BSiC9JbTAgNjQwIDAgUiA+Pj4+L1JvdGF0ZSAwL1RhYnMvVy9UeXBIL1BhZ2U...
MessageStatus Object	messageStatus		"messageStatus": {}
	status	STRING	PASS
	code	STRING	10000000
	message	STRING	Request is successful with no exceptions
	resolution	STRING	
MessageStatus / Information Array	information		"information": [{}]
	code	STRING	1050
	type	STRING	Notice!
	message	STRING	Sending a requested pickup date in an eBOL transmission does not create an actual pickup request
ResultStatusCodes Array	resultStatusCodes		"resultStatusCodes": []
	--No Label--	INTEGER	400, 1200

## Section 11 – API Function PUT (Update eBOL)

### Call

A **PUT** call to the URL <https://api.peninsulatruck.com/api/ebol/v3.1/<Pro#>> with a valid **Bearer Token** and valid JSON payload will update an existing Bill of Lading. If the **isTest** value in the payload is set to **true**, the update will be rejected. If the Bill of Lading has already begun the pickup process, updates via the API will not be allowed. See Section 10 for the grid of the API fields for the payload.

### Response

See Section 10 for the grid of the API fields in the response.

## Section 12 – API Function DELETE (Delete eBOL)

### Call

A **DELETE** call to the URL <https://api.peninsulatruck.com/api/ebol/v3.1/<Pro#>> with a valid **Bearer Token** will delete an existing Bill of Lading. There is no payload required for this call. If the Bill of Lading has already begun the pickup process, deletions via the API will not be allowed.

### Response

Calls returning HTTP status codes 200 or 404 will have a one sentence response body. Code 409 will return an array with elements containing information about the error in the manner detailed in Section 10.

## Section 13 – Using the Sandbox

During initial setup, and when updating your connections to the Public API, it is recommended that you make use of a Sandbox API key to validate your payloads are properly formatted, as well as returning sample responses you can use for validating logic you may have for parsing information from the API.

When using the Sandbox, the API will validate that all required fields are present and the data in each field is consistent with the type and formatting required. It will return an error response that would have been generated had you been using a Production API key.

You can use the Sandbox responses to refine your payloads and make sure they'll be acceptable when submitted to the Production API.

In addition, the Sandbox is looking for every field possible in the payload, even if not logically required for the request being submitted and will use the status fields in the footer to pass information about what appears to be missing. Missing fields are not necessarily an error, so this feedback is included along with the successful response. Additional fields included in the payload that are not used by the API are ignored and no report is returned for them.

***The successful responses from the Sandbox are pre-generated and are based on the logical action you used (CREATE / UPDATE / DELETE) and not the data submitted in your payload.***

The sample responses returned are determined by the API function you are calling:

CREATE:

1. \*\*Standard response returning BOL and Labels - Standard response that includes Base 64 encoded text for both the BOL and shipping labels.
2. Standard response - Standard response

UPDATE:

1. \*\*Standard response returning BOL and Labels - Standard response that includes Base 64 encoded text for both the BOL and shipping labels
2. Standard response
3. eBOL not found - Attempted update of a Pro that could not be found (HTTP 404)
4. Standard refusal - BOL frozen - Attempted update of a Pro that is frozen (it has already been or is in the process of being picked up, HTTP 409)

DELETE:

1. eBOL <Pro Number> deleted - Successful deletion
2. eBOL not found - Attempted deletion of a Pro that could not be found (HTTP 404)
3. Standard refusal - BOL frozen - Attempted deletion of a Pro that is frozen (it has already been or is in the process of being picked up, HTTP 409)

The Sandbox API will cycle through these responses (in order) for every payload submitted that doesn't produce an error.

*\*\* The sandbox responses which include an example PDF for Labels are structured to show what the labels would look like if the position was 2 and the quantity was 8 (which extends to a second page)*