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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 7 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.
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. 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 6 – 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-NN-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 – 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).

Example payload:

```
{
  "grantType": "key",
  "secret": "cx0Swic2lkIjoiSFZBekN20XQ1e1hybUZoRWdzWTNUS1ZqZThs"
}
```

Example response:

```
{  
  "status": "ok",  
  "accessToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJodHRwczovL3B0bHByb2RhcgkuYXp1cmV3ZWJzaXRlc3ZlbnQyLnR5cy5uZXQiLCJzdwIiOiJzdGV2ZWgiLCJhdWQiOiJodHRwczovL3B0bHByb2RhcgkuYXp1cmV3ZWJzaXRlc3ZlbnQyLnR5cy5uZXQiLCJpYXQiOjE2NzkxMDcxMktsImV4cCI6MTY3OTAxMDcxOSwic2lkIjoiaSFBZBekN2OXQ1elhybUZorWdzWTNUS1ZqZThsNkUzRV9YSg04TGhVSgNyMmtuZnFkNXI1LTJBMW9fZTI5REREaSI6Imh0dHBzOi8vcHRSL3VzZXJJZCI6InN0ZXZlaCJ9.0_j8eBG09Ximp2DGwpBknftc-mw06pRsBn0uChrWdos"  
}
```

The value returned in the field **accessToken** is then sent as the **Bearer Token** in the header of all calls to the Public API for the next 4 hours.

Section 7 – Peninsula’s Exceptions to eBOL Specifications

The specifications of the eBOL are directed by the Digital LTL Council and NMFTA. The current standard as of the time of Peninsula’s adoption is version 2.1.0, which is the version our API supports. Swagger documentation can be found at <https://digitaltl.nmfta.org/api-documentation/v2.1.0>.

Below are the deviations Peninsula Truck Lines has made to the Digital Council’s specifications.

General:

- Addresses in Mexico are not allowed (origin, destination, billTo, customsBroker)

Dates:

- Date and time fields cannot be before the API submission date and time
- Ending date/time cannot be before Starting date/time

Dimensions:

- Height cannot exceed 96”
- 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”

Monetary:

- COD not allowed
- US currency only
- Full value insurance cannot be more than \$250,000

Hazardous:

- HazMat classes 1.1, 1.2, 1.3, 1.5, 2.3, 4.3, 6.1, or 6.2 are not allowed
- UnnaNumber, class, and packingGroup will be searched for in the hazardousDescription and description fields when not provided for a hazmat line item
- The customer is responsible for including hazardous information in DOT acceptable format

Handling Units:

- The following substitutions have been made to Handling Unit Type and Piece Type, which display on the BOL and DR:
 - BOX to BX
 - CAS to CS
 - PAL to PAIL
 - PAT to PLT
 - ROL to RL
 - TBN to TOTE
 - TRU to TL
 - TBE to TUBE
 - WRP to SWP
- shipmentTotals-handlingUnits must match the total of commodities-handlingUnits-count fields

Weight:

- weightUnit must be consistent in all objects, either all Pounds or all Kilograms
- grossWeight in shipmentTotals must equal the sum of all weight fields in commodities, plus tareWeight
- hazardousDetails weight must not exceed the lineItems weight it is nested within
- The sum of all handlingUnits weights must equal the sum of all lineItems weights, AND both must equal shipmentTotals netWeight

Section 8 – 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, a valid JSON payload with a request for a BOL will generate a Bill of Lading. Valid Production payloads will be assigned PRO numbers beginning with “98”. Payloads that fail validation will not be assigned PRO numbers and will have information about the error(s) in the information section of the response.

If isTest 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. **Do not use isTest in conjunction with a Sandbox key.**

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

Or review the eBOL Payload Definitions addendum on the Peninsula Truck Lines website, found here: <https://www.peninsulatruck.com/resources-document-library/#etab-apisdocumentation>

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 9 – Example Payload

Call (as cURL):

```
curl --location 'https://api.peninsulatruck.com/api/ebol/v3.1' \
--header 'xaggregatorcode: <Aggregator Token>' \
--header 'Content-Type: application/json' \
--header 'Authorization: ..... ' \
--data ' {
  "version": "v2.1.0",
  "bol": {
    "requestedPickupDate": "YYYY-MM-DDTHH:MM:SS.SSSS",
    "function": "Create",
    "isTest": null,
    "requestorRole": "",
    "specialInstructions": null
  },
  "images": {
    "includeBol": null,
    "includeShippingLabels": null,
    "shippingLabels": {
      "format": "",
      "quantity": null,
      "position": null
    },
    "email": {
      "includeBol": null,
      "includeLabels": null,
      "addresses": []
    }
  },
  "notifications": [
    {
      "phoneNumber": null,
      "email": null
    }
  ],
  "referenceNumbers": {
    "pro": null,
    "quoteId": null,
    "shipmentId": null,
    "masterBol": null,
    "trailerId": null,
    "manifestId": null,
    "bol": [],
    "po": [
      {
        "number": null,
        "pieces": null,
        "weight": null,
        "weightUnit": "",
        "palletized": null,
        "additionalShipperInfo": null
      }
    ]
  },
}
```

```

"additionalReferences": [
  {
    "name": null,
    "value": null
  }
],
"payment":{
  "terms": ""
},
"commodities":{
  "lineItemLayout": "",
  "handlingUnits": [
    {
      "count": null,
      "type": "",
      "tareWeight": null,
      "weight": null,
      "weightUnit": "",
      "length": null,
      "width": null,
      "height": null,
      "dimensionsUnit": "",
      "stackable": null,
      "lineItems": [
        {
          "description": "",
          "weight": null,
          "weightUnit": "",
          "pieces": null,
          "packagingType": "",
          "classification": "",
          "nmfc": "",
          "nmfcSub": "",
          "hazardous": null,
          "hazardousDescription": "",
          "hazardousDetails":{
            "weight": null,
            "weightUnit": "",
            "class": null,
            "unnaNumber": "",
            "properName": "",
            "technicalName": "",
            "packingGroup": "",
            "contractNumber":""
          }
        }
      ]
    }
  ]
},
"shipmentTotals":{
  "grossWeight": null,
  "netWeight": null,
  "weightUnit": "",
  "handlingUnits": null,
  "linearLength": null,
  "dimensionsUnit": "",
  "cube": null,
  "cubeDimensionsUnit": "",
  "declaredValue": "",
  "currency":""
},
"accessorials":{
  "codes": [
    ""
  ],
  "hazardousDetails":{
    "emergencyContact": {
      "name": "",
      "phone": null
    }
  },
  "cod":{
    "amount": null,
    "currency": null,

```

```

"terms": null,
"customerCheckAcceptable": null,
"remitTo":{
  "name": null,
  "address1": null,
  "address2": null,
  "city": null,
  "stateProvince": null,
  "postalCode": null,
  "country": null
}
},
"sortAndSegregateDetails":{
  "pieces": null
},
"fullValueCoverageDetails":{
  "monetaryValue": null,
  "currency": null
},
"markDetails":{
  "pieces": null
},
"limitedAccessType":{
  "origin": "",
  "destination":""
},
"timeCriticalDetails": {
  "type": "",
  "date":{
    "start": null,
    "end": null
  }
},
"appointmentDetails":{
  "pickup":{
    "start": null,
    "end": null
  },
  "delivery":{
    "start": null,
    "end": null
  }
}
},
"origin":{
  "account": "",
  "locationId": "",
  "name": "",
  "address1": "",
  "address2": "",
  "city": "",
  "stateProvince": "",
  "postalCode": "",
  "country": "",
  "contact":{
    "phone": null,
    "phoneExt": null,
    "name": null,
    "email": null
  }
},
"destination":{
  "account": "",
  "locationId": null,
  "name": "",
  "address1": "",
  "address2": null,
  "city": "",
  "stateProvince": "",
  "postalCode": "",
  "country": "",
  "contact":{
    "phone": null,
    "phoneExt": null,
    "name": null,
    "email": null
  }
}

```

```

    }
  },
  "billTo": {
    "account": "",
    "locationId": "",
    "name": "",
    "address1": "",
    "address2": null,
    "city": "",
    "stateProvince": "",
    "postalCode": "",
    "country": "",
    "contact": {
      "phone": null,
      "phoneExt": null,
      "name": null,
      "email": null
    }
  },
  "customsBroker": {
    "type": "",
    "name": "",
    "address1": "",
    "address2": "",
    "city": "",
    "stateProvince": "",
    "postalCode": "",
    "country": "",
    "contact": {
      "phone": null,
      "phoneExt": null,
      "name": null,
      "email": null
    }
  }
}

```

Section 10 – 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.

Or review the eBOL Payload Definitions addendum on the Peninsula Truck Lines website, found here:

<https://www.peninsulatruck.com/resources-document-library/#etab-apisdocumentation>

Response

See Section 8 for a breakdown of field definitions in the response.

Section 11 – 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, deletion via API is not 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 8.

Section 12 – 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.

When calling the Sandbox, DO NOT set isTest = true.

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)*

Section 13 – Using isTest

The isTest flag can be set to true, and used in conjunction with a **Production** API Key, to test your payload in Peninsula's Production environment. This flag can be used when deeper testing of responses is required than what is offered through the Sandbox.

Unlike the Sandbox, which points at a test environment, when the isTest Boolean is set true the API will respond specifically to the data within your payload. This means that your API Key will need access to the customerNumber included in your payload, otherwise you will receive an authentication error.

Section 14 – Accessorials

Accessorial Code	Description
APTD	Appointment required at delivery
APTP	Appointment required at pickup
EXPD	Expedited Service
FVC	Full value coverage
GTD_AM	Guaranteed service - by Morning
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)
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 Crititcal Service

Section 15 – Limited Access Types

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
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
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
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

Section 16 – Handling Unit/Packaging Types

See Section for Peninsula’s exceptions to the Digital Council’s Handling Units.

Handling Unit	Description
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
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
HGH	Hogshead
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
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