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Peninsula Truck Lines Shipment Tracking API Implementation Guide

v 3.1

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Section 1 - General

The Peninsula Truck Lines Shipment Tracking API provides customers with the ability to retrieve the status of a shipment via web services. 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 just one method, **Get**.

Section 2 – Creating a Web Account

You must have a Peninsula Truck Lines web account to use the Public Shipment Tracking API. Below are the 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 the 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 1 – 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 of the person you are creating the key for in the Target User ID field.
5. Choose the type of key you want to create 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 API is accessed at the URL <https://api.peninsulatruck.com/api/track/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://www.peninsulatruck.com/#/api-keys>.

Prior to making a call to a Public API, the user's API key must be validated as shown in Section 8 – Validating the API key. This validation will provide an authenticated Bearer Token, which is valid for 4 hours of use with the Public API. 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
- Fields and arrays listed as **required** must be present or the API call will return an error
- There are no nested arrays in this API - all arrays appear as part of the main body of the payload or response
- 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 sent in the response will be in the YYYY-MM-DD format
- Time components are sent as a 12-hour clock with “am” or “pm” immediately following (with no space between the time and the am/pm designation)
- Phone numbers are sent as NNN-NNN-NNNN, 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 5 – 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 higher volume license key is required, please email IT support at itsupport@peninsulatruck.com.

Section 6 – Aggregator License Information

The Aggregator license functionality will be available in a future release

Aggregators need to contact IT support at 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 7 – 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": "cx0Swic2lkIjoiSFZBekN2OXQ1e1hybUZoRwdzWTNUS1ZqZThs"
}
```

Example response:

```
{
  "status": "ok",
  "accessToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJodHRwczovL3B0bHByb2RhcGkuYXp1cmV3ZWJzaXR1cy5uZXQiLCJpYXQ1OjE2NzkxMDcxMTk5ImV4cCI6MTY3OTAxMDcxOjoiSFZBekN2OXQ1e1hybUZoRwdzWTNUS1ZqZThsNkUzRV9YSg04TGhVSGNyMmtuNzFkNXI1LTJBMW9fZTI5REREReSI6Imh0dHBzOi8vcHRsL3VzZXJJZCI6InN0ZXZlaCJ9.0_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 8 – API Function GET

Call

A **GET** call to the URL <https://api.peninsulatruck.com/api/track/v3.1/<Pro#>> with a valid **Bearer Token** will return the status of the requested PRO Number. No JSON payload is required for this request. If the PRO Number is found, a response including the **Main Body** fields and the **shipmentLog** array will be returned.

If the PRO Number is not known, other values associated with the shipment can be entered in its place for a cross-reference lookup. Searchable options include ILProNumber, BOL or PO Number. If a single shipment associated with the search value is found, it will be returned as though the correct ProNumber had been entered (with all **Main Body** fields and the **shipmentLog** array). If multiple shipments are found, the **Main Body** and **shipmentLog** array will be empty and the **shipment** array will be returned showing all shipments that are returned for your cross-reference value. The desired PRO Number can be chosen from that list and another call to the tracking API with that value will return the status of that shipment.

When the error “**Freight bill record not found**” is returned, it means the system does not have record of a shipment on that PRO Number or any other shipments that it can find through the cross-reference lookup that are associated with your customer.

Response

Section	Field	Type	Details	Example Data
Main body	bol	STRING	BOL #	904126
	cartageAgent	STRING		667092576
	consignee	STRING		123456
	consigneeAddress1	STRING		123 Main St
	consigneeAddress2	STRING		
	consigneeCity	STRING		Seattle
	consigneeCSZ	STRING		Seattle, WA 98101
	consigneeName	STRING		Consignee Name
	consigneeState	STRING		WA
	consigneeZip	STRING		98101
	destinationTerminalCode	STRING		POR
	destinationTerminalName	STRING		Portland
	ilProNumber	STRING		1615971
	originTerminalCode	STRING		AUB
	originTerminalName	STRING		Auburn
	ourCompanyName	STRING		PENINSULA TRUCK LINES, INC.
	ourFaxNumber	STRING		253-929-2041
	ourMailingAddress1	STRING		33455 6 th Ave S, Suite 2A
	ourMailingAddress2	STRING		
	ourMailingCity	STRING		Federal Way
	ourMailingCSZ	STRING		Federal Way, WA 98003
	ourMailingState	STRING		WA
	ourMailingZip	STRING		98003
	ourPhoneNumber	STRING		253-929-2000
	ourProNumber	STRING		5531167048
	ourTollFreeNumber	STRING		800-942-9909
	printDateTime	STRING		2023-02-22 11:40am
	proDate	STRING		2023-02-06
	proNumber	STRING		53245334
	proStatus	STRING		TENDERED TO TDC FREIGHT ON 2023-02-07 ON THEIR PRO 544236211
	purchaseOrderNumber	STRING		Per John
	shipper	STRING		456789
	shipperAddress1	STRING		10 11th St
	shipperAddress2	STRING		

	shipperCity	STRING		Des Moines
	shipperCSZ	STRING		DES MOINES, WA 98198
	shipperName	STRING		Shipper Name
	shipperState	STRING		WA
	shipperZip	STRING		98198
"shipments" Array	shipments		'shipments' definition	'shipments': []
	proNumber	STRING		53245334 / FM
	proDate	STRING		2023-02-20
	deliveryDate	STRING		2023-02-22
	shipper	STRING		Shipper
	consignee	STRING		Consignee
	pieces	NUMERIC		57
	weight	NUMERIC		300
	amount	NUMERIC		259.32
	bol	STRING		00830700
	purchaseOrderNumber	STRING		5521456
"shipmentLog" Array	shipmentLog		'shipmentLog' definition	'shipmentLog': []
	date	STRING		44979
	time	STRING		4:00pm
	activity	STRING		PICKUP
	location	STRING		AUBURN
Footer	apiStart	STRING	System time call initiated	44920.59863
	apiTime	STRING	Length of call	0.032
	status	STRING		
	statusMsg	STRING		
	statusNbr	NUMERIC		

Example

Call (as cURL):

```
curl --location 'https://api.peninsulatruck.com/api/track/v3.1/123456' \
```

```
--
```

```
header 'Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJodHRwczovL3B0bHB5b2RhcGkuYXp1cmV3ZWJzaXRlcj5uZXQilCJzdWIiOiJzdGV2ZWgiLCJhdWQiOiJodHRwczovL3B0bHB5b2RhcGkuYXp1cmV3ZWJzaXRlcj5uZXQilCjYXQiOiJlZ2NzkwMDcxMTksImV4cCI6MTY3OTAxMDcxOSwic2lkIjoiaSFBekN2OXQ1elhybUZorWdzWTNUS1ZqZThsNkUzRV9YSG04TGhVSGNyMmtuNzFkNXI1LTJBMW9fZTI5REREaSI6Imh0dHBzOj8vCHRSL3VzZXJJZCI6In0ZXZlaCJ9.0_j8eBG09Ximp2DGwpBknftc-mwO6pRsBn0uChrWdos' \
```

```
--data ''
```

Response when one shipment is found:

```
{
  "bol": "",
  "cartageAgent": "",
  "consignee": "Consignee Number",
  "consigneeAddress1": "Address 1",
  "consigneeAddress2": "",
  "consigneeCity": "PORTLAND",
  "consigneeCSZ": "PORTLAND, OR 97210",
  "consigneeName": "Consignee Name",
  "consigneeState": "OR",
  "consigneeZip": "97210",
  "destinationTerminalCode": "POR",
  "destinationTerminalName": "PORTLAND",
  "ilProNumber": "",
  "originTerminalCode": "EVE",
  "originTerminalName": "EVERETT",
  "ourCompanyName": "PENINSULA TRUCK LINES, INC.",
  "ourFaxNumber": "253-929-2041",
  "ourMailingAddress1": "33455 6th Ave S",
  "ourMailingAddress2": "Suite 2A",
  "ourMailingCity": "Federal Way",
  "ourMailingCSZ": "Federal Way, WA 98003",
  "ourMailingState": "WA",
  "ourMailingZip": "98003",
  "ourPhoneNumber": "253-929-2000",
  "ourProNumber": "132663085",
  "ourTollFreeNumber": "800-942-9909",
  "printDateTime": "2023-02-22 09:40am",
  "proDate": "2023-02-03",
  "proNumber": "123456789",
  "proStatus": "DELIVERED ON 2023-02-17",
  "purchaseOrderNumber": "",
  "shipper": "Shipper Number",
  "shipperAddress1": "Address 1",
  "shipperAddress2": "",
  "shipperCity": "BELLEVUE",
  "shipperCSZ": "BELLEVUE, WA 98004",
  "shipperName": "Shipper Name",
  "shipperState": "WA",
  "shipperZip": "98004",
  "podImage": "1",
  "shipments": [],
  "shipmentLog": [
    {
      "date": "2023-01-06",
      "time": "10:14am",
      "activity": "DOCK",
      "location": "PORTLAND, OR"
    }
  ],
  {
```

```

        "date": "2023-01-06",
        "time": "10:16am",
        "activity": "DEL MFST",
        "location": "PORTLAND, OR"
    }
],
"apiStart": "2023-03-31 09:40:22.522",
"apiTime": 0.047,
"system": "Production",
"statusNbr": 200,
"status": "ok",
"statusMsg": ""
}

```

Response when multiple shipments are found (searching for 99512):

```

{
    "bol": "",
    "cartageAgent": "",
    "consignee": "",
    "consigneeAddress1": "",
    "consigneeAddress2": "",
    "consigneeCity": "",
    "consigneeCSZ": "",
    "consigneeName": "",
    "consigneeState": "",
    "consigneeZip": "",
    "destinationTerminalCode": "",
    "destinationTerminalName": "",
    "ilProNumber": "",
    "originTerminalCode": "",
    "originTerminalName": "",
    "ourCompanyName": "",
    "ourFaxNumber": "",
    "ourMailingAddress1": "",
    "ourMailingAddress2": "",
    "ourMailingCity": "",
    "ourMailingCSZ": "",
    "ourMailingState": "",
    "ourMailingZip": "",
    "ourPhoneNumber": "",
    "ourProNumber": "99512",
    "ourTollFreeNumber": "",
    "printDateTime": "2023-02-22 07:38am",
    "proDate": "",
    "proNumber": "",
    "proStatus": "",
    "purchaseOrderNumber": "",
    "shipper": "",
    "shipperAddress1": "",
    "shipperAddress2": "",

```

```

"shipperCity": "",
"shipperCSZ": "",
"shipperName": "",
"shipperState": "",
"shipperZip": "",
"podImage": "1",
"shipments": [
  {
    "proNumber": "123456789",
    "proDate": "2023-02-27",
    "deliveryDate": "",
    "shipper": "Shipper, City, State, Zip",
    "consignee": "Consignee, City, State, Zip",
    "piece": 1,
    "weight": 385,
    "amount": 91.00,
    "bol": "A123456",
    "purchaseOrderNumber": "99512"
  },
  {
    "proNumber": "987654321",
    "proDate": "2023-02-16",
    "deliveryDate": "2023-02-17",
    "shipper": " Shipper, City, State, Zip",
    "consignee": "Consignee, City, State, Zip",
    "piece": 2,
    "weight": 1205,
    "amount": 259.32,
    "bol": "123456",
    "purchaseOrderNumber": "99512"
  },
  {
    "proNumber": "115155577822",
    "proDate": "2023-02-15",
    "deliveryDate": "2023-02-16",
    "shipper": " Shipper, City, State, Zip",
    "consignee": " Consignee, City, State, Zip",
    "piece": 1,
    "weight": 527,
    "amount": 155.44,
    "bol": "F654321",
    "purchaseOrderNumber": "99512"
  }
],
"shipmentLog": [],
"apiStart": "2023-02-28 07:38:03.100",
"apiTime": 0.531,
"system": "Production",
"statusNbr": 200,
"status": "ok",
"statusMsg": ""
}

```

Section 9 – 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.

The successful responses from the Sandbox are pre-generated and not based on the data submitted in your payload.

There are 3 sample responses:

1. Tracking Shipments Against A Master PO - A tracking response for data that has matched multiple shipments (such as Master PO).
2. Third Party Tracking Result - A tracking response for a PRO you were not party to.
3. Standard Tracking Result - A standard tracking response.

The sandbox API will cycle through these responses (in order) for every successful response submitted.