



B2B XML/JSON Shipment Tracing with ETA by BOL User's Guide

The B2B XML/JSON Shipment Tracing Interface provides PITT OHIO partners with an XML or JSON output stream for a specified pro number.

URL Input

To request shipment status for a BOL, format your URL as:

<https://pittohio.com/WebServices/RestServices/api/BOLShipmentTracingETA/Get?aryBOLs=bolnumber&selMonth=MonthOfShipment&selDate=DayOfTheMonth&selYear=NumberIndicatingYearOfShipment&all=yes&irv=identifier&eta=yes&format=xml>

selMonth=

A number between 1-12 indicating the month of the shipment.

selDate=

A number between 1-31 indicating the day of the shipment.

selYear=

A number, 0 or greater, indicating the year of the shipment. For example, 2000 = 0, 2003 = 3, etc.

aryBOLs=

The BOLs to trace. Multiple BOLs can be entered as a string separated by "|". (12345|ABC123|123-456)

all=

Specifying *yes* for this parameter will cause retrieval of complete shipment history. Specifying *no* will return only the latest status. The default value is *no*. Full status information will include shipper and consignee information. *This parameter is optional.*

irv=

Is a required numeric identifier value that will be provided to you by PITT OHIO when you request use of this function. *This is a required parameter.*

eta=

Specifying *yes* for this parameter will result in the retrieval of an ETA, if available, for shipments where the current status is 'Out for delivery'. Specifying *no* will only return shipment status information. The default value is *yes*. *This parameter is optional.*

format=

Specifying *xml* for this parameter will result an XML formatted result. Specifying *json* will result in a JSON formatted result. The default value is *xml*. *This parameter is optional.*

Parameters and values are not case sensitive.

Examples of successful and unsuccessful status reports can be found on the following pages. The complete set of return codes is located at the end of the document.

Successful status lookup returns the following information.

```
<PITTOHIOshipmenttrace version="3.0">
  <prostatus pronumber="5000000000" pickupdate="" datedelivered="" estimateddelivery="2021-02-25" statuslines="6" billOfLading="NS" custOrdNo="31806">
    <currentstatus>Out for delivery</currentstatus>
    <shipperinfo>
      <shippername>A B C Company</shippername>
      <shippername2>BLDG 1</shippername2>
      <shipperaddress>000705 MAIN ST</shipperaddress>
      <shippercity>MENOMINEE</shippercity>
      <shipperstate>MI</shipperstate>
      <shipperzip>49858</shipperzip>
    </shipperinfo>
    <consigneeinfo>
      <consigneeName>XYZ COMPANY</consigneeName>
      <consigneeName2></consigneeName2>
      <consigneeaddress>001 STATE ST</consigneeaddress>
      <consigneeCity>BLACKSBURG</consigneeCity>
      <consigneeState>VA</consigneeState>
      <consigneezip>24060</consigneezip>
    </consigneeinfo>
    <shipmenthistory>
      <status description="The delivery is estimated to arrive on Feb 24 2021 at 12:31 PM" date="2021-02-24" time="12:31:15"/>
      <status description="Shipment out for delivery to consignee in Blacksburg, VA" date="2021-02-24" time="11:20:04"/>
      <status description="Shipment arrived at PITT OHIO destination terminal in Roanoke, VA" date="2021-02-24" time="08:19:00"/>
      <status description="Departed from intermediate terminal." date="2021-02-24" time="04:56:00"/>
      <status description="Shipment in transit to destination terminal" date="2021-02-23" time="20:51:00"/>
      <status description="Freight received at PITT OHIO terminal in Pittsburgh, PA" date="2021-02-23" time="07:06:00"/>
    </shipmenthistory>
  </prostatus>
</PITTOHIOshipmenttrace>
```

If a Freight Bill has not been entered into our system yet but status information is available, the successful status lookup returns the following:

```
<PITTOHIOshipmenttrace version="3.0">
  <prostatus pronumber="5000000000" pickupdate="" datedelivered="" estimateddelivery="" statuslines="4" billOfLading="" custOrdNo="">
    <currentstatus>Completed Unloading at Delivery Location</currentstatus>
    <shipperinfo>
      <shippername/>
      <shippername2/>
      <shipperaddress/>
      <shippercity/>
      <shipperstate/>
      <shipperzip/>
    </shipperinfo>
    <consigneeinfo>
      <consigneeName/>
      <consigneeName2/>
      <consigneeaddress/>
      <consigneeCity/>
      <consigneeState/>
      <consigneezip/>
    </consigneeinfo>
    <shipmenthistory>
      <status description="Completed Unloading at Delivery Location in Manteno, IL" date="2021-01-26" time="08:00:00"/>
      <status description="Arrived at Delivery Location in Manteno, IL" date="2021-01-26" time="08:00:00"/>
      <status description="Carrier departed pickup location with shipment in Philadelphia, PA" date="2021-01-25" time="08:00:00"/>
      <status description="Arrived at pickup location in Philadelphia, PA" date="2021-01-25" time="08:00:00"/>
    </shipmenthistory>
  </prostatus>
</PITTOHIOshipmenttrace>
```

Unsuccessful status lookup returns the following information (the return code and message will vary according to the reason for the failure.)

```
<PITTOHIOshipmenttrace version="3.0">
  <prostatus pronumber="5010" pickupdate="" datedelivered="" estimateddelivery="" statuslines="">
    <error>
      <errmsg>Invalid pro, or no information currently available</errmsg>
      <errorcode>-6</errorcode>
    </error>
  </prostatus>
</PITTOHIOshipmenttrace>
```

The possible return codes, and their meanings, are as follows:

Return Code	Meaning
-4	Message: Invalid pro, or no information currently available. Meaning: Bill of Lading not recognized, or pro number can't be found.
-5	Message: Database connection could not be opened. Meaning: Internal system problem.
-6	Message: No pros to process. Meaning: Incomplete URL provided; no pro numbers found.
-7	Message: Invalid irv. Please contact APIsupport@pittohio.com for valid parameter. Meaning: IRV not recognized, or IRV can't be found.

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