



# Multi-Modal Data: Ocean and Truckload

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# 1. Multi-Modal Data: Ocean and Truckload

This document provides information about the Ocean and Truckload shipment data elements returned in project44's Event History and Position History endpoints.

## 1.1. Unified Shipment Stop Types by Mode

Both the Event History and the Position History endpoints return data on the type of stops a shipment makes during transit.

Mode	Stop Type	Details
Ocean	PORT_OF_LOADING	Where container are loaded onto a vessel.  <b>NOTE:</b> The ORIGIN, PICKUP, RETURN, or TRANSFER stop types are often the same location as the PORT_OF_LOADING or PORT_OF_DISCHARGE. In those situations, the stop type will show either PORT_OF_LOADING or PORT_OF_DISCHARGE.
	ORIGIN	Where the empty container is filled by the shipper with the goods to be transported.
	TRANSSHIPMENT_PORT	Where the containers were discharged from an initial vessel to be loaded on another vessel. There could be multiple transshipment ports along the transit or there could be no transshipment ports - depending on the shipment.
	PORT_OF_DISHCARGE	Where the containers were discharged from the vessel.  <b>NOTE:</b> The ORIGIN, PICKUP, RETURN, or TRANSFER stop types are often the same location as the PORT_OF_LOADING or PORT_OF_DISCHARGE. In those situations, the stop type will show either PORT_OF_LOADING or PORT_OF_DISCHARGE.
	DESTINATION	Where the container is delivered to the consignee.
	UNKNOWN	An undefined stop type.
	PICKUP	Where the empty container is picked up.
	RETURN	Where the empty container is returned.
	TRANSFER	Where the land transfer stop is.
	Truck-load	ORIGIN
PICKUP		Where the empty vehicle is loaded with the shipment.
DELIVERY		Where the shipment is delivered.
TRANSFER		Where the transfer stop is.
DESTINATION		Where the shipment is finally delivered to.

## 1.2. Unified Shipment State Types by Mode

Only the Event History endpoint returns information on the state a shipment was or is currently in. The shipment's State Type is determined by specific Event Types. The accepted State Type values for Ocean and Truckload shipments are listed below with the Event Types that trigger a State Type start or stop.

Mode	State Type	Start Event	Stop Event
Ocean	SCHEDULED	TRACKING_STARTED	Any next event.
	IN_TRANSIT	DEPARTURE_FROM_STOP	ARRIVAL_AT_STOP
		GATE_OUT_EMPTY	GATE_IN_EMPTY
		GATE_OUT_FULL	GATE_IN_FULL

Mode	State Type	Start Event	Stop Event
	AT_STOP	GATE_IN_FULL ARRIVAL_AT_STOP	DEPARTURE_FROM_STOP GATE_OUT_FULL GATE_OUT_EMPTY
	COMPLETED	GATE_IN_EMPTY	N/A
	UNKNOWN	N/A	N/A
	Truck-load	SCHEDULED	TRACKING_START
Truck-load	IN_TRANSIT	DEPARTURE_FROM_STOP	ARRIVAL_AT_STOP LOAD UNLOAD
	AT_STOP	ARRIVAL_AT_STOP LOAD UNLOAD	DEPARTURE_FROM_STOP
	COMPLETED	DELIVERY TRACKING_END_BY_USER TRACKING_END_DUE_TO_TIMEOUT EXIT_FINAL_GEOFENCE	N/A

### 1.3. Unified Shipment Event Types by Mode

Below are the available Event Types for Ocean and Truckload Shipments and the descriptions for each Event Type.

Mode	Event Type	Description
Ocean	GATE_OUT_EMPTY	This event indicates the container has left the origin port of loading or origin place of receipt to be filled by the manufacturer or shipper. This event can be used to indicate tracking for a shipment has ended.
	GATE_IN_FULL	This event indicates that the container has been brought back to the origin port of loading or place of receipt to be loaded onto the ship.
	LOAD	The shipment has been loaded onto the vessel. The container has been loaded onto the ship and is now officially in transit to the next port.
	DEPARTURE_FROM_STOP	The vessel has departed from the port.
	ARRIVAL_AT_STOP	The vessel has arrived at the port.
	DISCHARGE	The shipment has been discharged from the vessel.
	GATE_OUT_FULL	The container has left the port full at the destination to be unloaded.
	DELIVERY	The cargo has been delivered to the shipper. This event can be used to indicate tracking for a shipment has ended.
	GATE_IN_EMPTY	The container has returned empty to the port.
	TRACKING_START	The shipment has been created and tracking has been initialized.
Truck-load	TRACKING_INITIATE	The shipment has been created, but tracking has not yet been initialized.
	UNLOAD_FROM_VEHICLE	The shipment is being unloaded from the vehicle at a stop.
	UNKNOWN_EQUIPMENT_IDENTIFIER	User submitted the wrong equipment identifier.
	TRACKING_START	Shipment tracking has started.
	TRACKING_END_DUE_TO_TIMEOUT	Shipment tracking has ended because the appointment window for delivery has ended.
	ARRIVAL_AT_STOP	The shipment has arrived at a stop.
	TRACKING_FAILED	Tracking has failed.
	MISSING_EQUIPMENT_IDENTIFIER	An equipment identifier has was not added during shipment creation.
IDLE	The vehicle transporting the shipment is not moving.	

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Mode	Event Type	Description
	INFO	Shipment exception. See the <code>event.description</code> for more information on this exception.
	LOAD	The shipment is being loaded onto a vehicle.
	DEPARTURE_FROM_STOP	The vehicle transporting the shipment has left the stop.
	ARRIVAL_AT_STOP	The vehicle transporting the shipment has arrived at the stop.
	DRIVER_DENY_TRACKING	The driver has not allowed tracking.
	DEPARTURE_FROM_STOP	The vehicle transporting the shipment has left the stop.
	DELIVERY	The shipment is being delivered to its final destination.
	TRACKING_END_BY_USER	Tracking of the shipment has been ended by the shipper.