

eBOL API Guide

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Considerations

Terms of Use

https://tools.averitt.com/public/documents/Averitt_BOL_Terms.pdf

HTTP verbs

The Averitt eBol API is based on the DSDC eBol specification 2.1.0: <https://digitalltl.nmfta.org/api-documentation/v2.1.0>. Averitt only supports the creation (POST) of an eBOL and not the Update (PUT) and Delete (DELETE) of the eBol.

The eBOL API follows standard HTTP and REST conventions in its use of HTTP verbs. Only the **POST** is used for this service.

Verb	Usage
POST	Used to create BOLs.

API Key

Requests to create a BOL require authentication using an API key as a URI query parameter. See example request below.

BOL Create Syntax/Example

https://api.averittexpress.com/shipment/bols/v2?api_key=1234567890

Syntax Element	Description
https://	The api requires the https protocol.
api.averittexpress.com	This is the host for all of the Averitt Express rest based API's.
/shipment/bols/v2	This is the path to the BOL Create API.
api_key=	This is a required parameter. The api_key is specific to the user and is used for authentication.

Example HTTP & CURL Requests

```
POST /shipment/bols/v2?api_key=1234567890 HTTP/1.1
Content-Type: application/json
Accept: application/json
Content-Length: 2886
Host: api.averittexpress.com
```

```
{
  "bol" : {
    "requestedPickupDate" : null,
    "function" : null,
    "isTest" : true,
    "requestorRole" : "Shipper",
    "specialInstructions" : null
  },
  "version" : "v2.1.0",
  "images" : null,
  "notifications" : null,
  "referenceNumbers" : {
    "pro" : null,
    "quoteId" : null,
    "shipmentId" : null,
    "masterBol" : "MBL98472587",
    "trailerId" : null,
    "manifestId" : null,
    "bol" : null,
    "po" : null,
    "additionalReferences" : null
  },
  "payment" : {
    "terms" : "Prepaid"
  },
  "commodities" : {
    "lineItemLayout" : "Stacked",
    "handlingUnits" : [ {
      "count" : 1,
      "type" : "SKD",
      "tareWeight" : null,
      "weight" : 1500,
      "weightUnit" : null,
      "length" : null,
      "width" : null,
      "height" : null,
      "dimensionsUnit" : null,
      "stackable" : null,
      "lineItems" : [ {
        "description" : "stuff",
        "weight" : 1500,

```

```

    "weightUnit" : null,
    "pieces" : 1,
    "packagingType" : "SKD",
    "classification" : "50",
    "nmfc" : null,
    "nmfcSub" : null,
    "hazardous" : false,
    "hazardousDescription" : null,
    "hazardousDetails" : null
  } ]
} ]
},
"shipmentTotals" : {
  "grossWeight" : null,
  "netWeight" : null,
  "weightUnit" : null,
  "handlingUnits" : 1,
  "linearLength" : null,
  "dimensionsUnit" : null,
  "cube" : null,
  "cubeDimensionsUnit" : null,
  "declaredValue" : null,
  "currency" : null
},
"accessorials" : null,
"origin" : {
  "account" : "0005231",
  "locationId" : null,
  "name" : "Closets Closets Closets",
  "address1" : "12 S. Closets Place",
  "address2" : "ste 3",
  "city" : "Winchester",
  "stateProvince" : "VA",
  "postalCode" : "22601",
  "country" : "USA",
  "contact" : {
    "phone" : "5552226666",
    "phoneExt" : null,
    "name" : null,
    "email" : null
  }
},
"destination" : {
  "account" : null,
  "locationId" : null,
  "name" : "Closets Closets Closets",
  "address1" : "12 S. Closets Place",
  "address2" : "ste 3",
  "city" : "Los Angeles",
  "stateProvince" : "CA",
  "postalCode" : "90001",

```

```
"country" : "USA",
"contact" : {
  "phone" : "5552226666",
  "phoneExt" : null,
  "name" : null,
  "email" : null
}
},
"billTo" : {
  "account" : null,
  "locationId" : null,
  "name" : "Closets Closets Closets",
  "address1" : "12 S. Closets Place",
  "address2" : "ste 3",
  "city" : "Los Angeles",
  "stateProvince" : "CA",
  "postalCode" : "90001",
  "country" : "USA",
  "contact" : {
    "phone" : "5552226666",
    "phoneExt" : null,
    "name" : null,
    "email" : null
  }
},
"customsBroker" : null
}
```

```
$ curl 'https://api.averittexpress.com/shipment/bols/v2?api_key=1234567890' -i -X POST \
\
  -H 'Content-Type: application/json' \
  -H 'Accept: application/json' \
  -d '{
"bol" : {
  "requestedPickupDate" : null,
  "function" : null,
  "isTest" : true,
  "requestorRole" : "Shipper",
  "specialInstructions" : null
},
"version" : "v2.1.0",
"images" : null,
"notifications" : null,
"referenceNumbers" : {
  "pro" : null,
  "quoteId" : null,
  "shipmentId" : null,
  "masterBol" : "MBL98472587",
  "trailerId" : null,
  "manifestId" : null,
```

```

    "bol" : null,
    "po" : null,
    "additionalReferences" : null
  },
  "payment" : {
    "terms" : "Prepaid"
  },
  "commodities" : {
    "lineItemLayout" : "Stacked",
    "handlingUnits" : [ {
      "count" : 1,
      "type" : "SKD",
      "tareWeight" : null,
      "weight" : 1500,
      "weightUnit" : null,
      "length" : null,
      "width" : null,
      "height" : null,
      "dimensionsUnit" : null,
      "stackable" : null,
      "lineItems" : [ {
        "description" : "stuff",
        "weight" : 1500,
        "weightUnit" : null,
        "pieces" : 1,
        "packagingType" : "SKD",
        "classification" : "50",
        "nmfc" : null,
        "nmfcSub" : null,
        "hazardous" : false,
        "hazardousDescription" : null,
        "hazardousDetails" : null
      } ]
    } ]
  } ]
},
"shipmentTotals" : {
  "grossWeight" : null,
  "netWeight" : null,
  "weightUnit" : null,
  "handlingUnits" : 1,
  "linearLength" : null,
  "dimensionsUnit" : null,
  "cube" : null,
  "cubeDimensionsUnit" : null,
  "declaredValue" : null,
  "currency" : null
},
"accessorials" : null,
"origin" : {
  "account" : "0005231",
  "locationId" : null,

```

```
"name" : "Closets Closets Closets",
"address1" : "12 S. Closets Place",
"address2" : "ste 3",
"city" : "Winchester",
"stateProvince" : "VA",
"postalCode" : "22601",
"country" : "USA",
"contact" : {
  "phone" : "5552226666",
  "phoneExt" : null,
  "name" : null,
  "email" : null
}
},
"destination" : {
  "account" : null,
  "locationId" : null,
  "name" : "Closets Closets Closets",
  "address1" : "12 S. Closets Place",
  "address2" : "ste 3",
  "city" : "Los Angeles",
  "stateProvince" : "CA",
  "postalCode" : "90001",
  "country" : "USA",
  "contact" : {
    "phone" : "5552226666",
    "phoneExt" : null,
    "name" : null,
    "email" : null
  }
},
"billTo" : {
  "account" : null,
  "locationId" : null,
  "name" : "Closets Closets Closets",
  "address1" : "12 S. Closets Place",
  "address2" : "ste 3",
  "city" : "Los Angeles",
  "stateProvince" : "CA",
  "postalCode" : "90001",
  "country" : "USA",
  "contact" : {
    "phone" : "5552226666",
    "phoneExt" : null,
    "name" : null,
    "email" : null
  }
},
"customsBroker" : null
}'
```

Request Body

```
{
  "bol" : {
    "requestedPickupDate" : null,
    "function" : null,
    "isTest" : true,
    "requestorRole" : "Shipper",
    "specialInstructions" : null
  },
  "version" : "v2.1.0",
  "images" : null,
  "notifications" : null,
  "referenceNumbers" : {
    "pro" : null,
    "quoteId" : null,
    "shipmentId" : null,
    "masterBol" : "MBL98472587",
    "trailerId" : null,
    "manifestId" : null,
    "bol" : null,
    "po" : null,
    "additionalReferences" : null
  },
  "payment" : {
    "terms" : "Prepaid"
  },
  "commodities" : {
    "lineItemLayout" : "Stacked",
    "handlingUnits" : [ {
      "count" : 1,
      "type" : "SKD",
      "tareWeight" : null,
      "weight" : 1500,
      "weightUnit" : null,
      "length" : null,
      "width" : null,
      "height" : null,
      "dimensionsUnit" : null,
      "stackable" : null,
      "lineItems" : [ {
        "description" : "stuff",
        "weight" : 1500,
        "weightUnit" : null,
        "pieces" : 1,
        "packagingType" : "SKD",
        "classification" : "50",
        "nmfc" : null,
        "nmfcSub" : null,
        "hazardous" : false,
      }
    ]
  }
}
```

```

        "hazardousDescription" : null,
        "hazardousDetails" : null
    } ]
} ]
},
"shipmentTotals" : {
    "grossWeight" : null,
    "netWeight" : null,
    "weightUnit" : null,
    "handlingUnits" : 1,
    "linearLength" : null,
    "dimensionsUnit" : null,
    "cube" : null,
    "cubeDimensionsUnit" : null,
    "declaredValue" : null,
    "currency" : null
},
"accessorials" : null,
"origin" : {
    "account" : "0005231",
    "locationId" : null,
    "name" : "Closets Closets Closets",
    "address1" : "12 S. Closets Place",
    "address2" : "ste 3",
    "city" : "Winchester",
    "stateProvince" : "VA",
    "postalCode" : "22601",
    "country" : "USA",
    "contact" : {
        "phone" : "5552226666",
        "phoneExt" : null,
        "name" : null,
        "email" : null
    }
},
"destination" : {
    "account" : null,
    "locationId" : null,
    "name" : "Closets Closets Closets",
    "address1" : "12 S. Closets Place",
    "address2" : "ste 3",
    "city" : "Los Angeles",
    "stateProvince" : "CA",
    "postalCode" : "90001",
    "country" : "USA",
    "contact" : {
        "phone" : "5552226666",
        "phoneExt" : null,
        "name" : null,
        "email" : null
    }
}

```

```

},
"billTo" : {
  "account" : null,
  "locationId" : null,
  "name" : "Closets Closets Closets",
  "address1" : "12 S. Closets Place",
  "address2" : "ste 3",
  "city" : "Los Angeles",
  "stateProvince" : "CA",
  "postalCode" : "90001",
  "country" : "USA",
  "contact" : {
    "phone" : "5552226666",
    "phoneExt" : null,
    "name" : null,
    "email" : null
  }
},
"customsBroker" : null
}

```

Response Body

The payload returned includes reference numbers for the created BOL and any additional comments, warnings OR an error message if the request was not successful. Averitt's request will accept a Spec version 2.1.0 and hence will also consume previous versions: 2.0.1 and 2.0.0. The response version will match what the version in the request - hence our response object format version can be either 2.1.0, 2.0.1, or 2.0.0. Averitt does not support every feature of the standard specification. A warning will be provided in the messageStatus.information array when request data is provided that Averitt does not support.

Example of a successful response (HTTP Status 201)

```

{
  "version" : "v2.1.0",
  "transactionDate" : "2025-08-13T12:58:24.711",
  "referenceNumbers" : {
    "pro" : "1158005494",
    "shipmentConfirmationNumber" : "N/A"
  },
  "scac" : "AVRT",
  "images" : null,
  "termsAndConditions" :
  "http://tools.averitt.com/public/documents/Averitt_BOL_Terms.pdf",
  "messageStatus" : {
    "status" : "PASS",
    "code" : "10000000",
    "message" : "Request is successful with no exceptions.",
  }
}

```

```
"resolution" : null,  
"information" : [ ]  
},  
"resultStatusCodes" : [ ]  
}
```

Request Fields

Path	Type/Required	Description
<code>bol</code>	Object Required	Information about a BOL
<code>bol.isTest</code>	Boolean Required	Indicates whether or not the submitted request is intended to be a test or not. (true or false).
<code>bol.requestedPickupDate</code>	String Required	The intended Ship Date. NOTE this does not serve as a Pickup Request. Valid Formats: YYYY-MM-DDTHH:mm:ss.sss (ISO 8601). E.g. 2022-11-20T00:00:00.000
<code>bol.requestorRole</code>	String Required	Identifies the party making the request. I.e. Shipper, Consignee, Third Party.
<code>bol.specialInstructions</code>	String Optional	Used for special Instructions.
<code>version</code>	String Required	Indicates which minor version of the Digital LTL Council Bill of Lading spec you are consuming. Averitt supports: 2.0.0, 2.0.1, or 2.1.0. Preceding v is OK.
<code>commodities</code>	Object Required	Information containing handling units, line item layout
<code>commodities.lineItemLayout</code>	String Required	Indicates if the Handling Unit/Line Item relationship : i.e. Nested, Stacked. Should always be Stacked.
<code>commodities.handlingUnits[]</code>	Array Required	Information containing handling units & line items
<code>commodities.handlingUnits[].count</code>	Number Required	Number of handling units being described
<code>commodities.handlingUnits[].type</code>	String Required by standard eBOL but not used	Type of the handling units being described Valid Values: See the Handling Unit Types at the bottom of this document.
<code>commodities.handlingUnits[].tareWeight</code>	Number Not Used	Weight of the skids/pallets/slips used in the shipment.

Path	Type/Required	Description
<code>commodities.handlingUnits[].weight</code>	Number Required by standard eBOL but not used	Total weight for the specified handling units.
<code>commodities.handlingUnits[].weightUnit</code>	String Not Used	The unit of measurement for weight. Always Pounds (Imperial).
<code>commodities.handlingUnits[].length</code>	Number Must be a positive number if width or height contain positive values	The length of the handling units being described.
<code>commodities.handlingUnits[].width</code>	Number Must be a positive number if length or height contain positive values	The width of the handling units being described.
<code>commodities.handlingUnits[].height</code>	Number Must be a positive number if length or width contain positive values	The height of the handling units being described.
<code>commodities.handlingUnits[].dimensionsUnit</code>	String Not Used	The unit of measurement for dimensions. Defaults to Inches (Imperial) if not passed.
<code>commodities.handlingUnits[].stackable</code>	Boolean Not Used	Identifies whether or not the freight being described can be stacked on one another.
<code>commodities.handlingUnits[].lineItems[]</code>	Array Required	Shipment line items
<code>commodities.handlingUnits[].lineItems[].description</code>	String Required	Description of the freight being described.
<code>commodities.handlingUnits[].lineItems[].weight</code>	Number Required	Total weight for the specified lineItem.
<code>commodities.handlingUnits[].lineItems[].weightUnit</code>	String Not Used	The unit of measurement for weight. Always Pounds (Imperial).
<code>commodities.handlingUnits[].lineItems[].pieces</code>	Number Required	Number of individual pieces for the line item being described.

Path	Type/Required	Description
commodities.handlingUnits[].lineItems[].packagingType	String Not Used	Packaging type for the individual pieces of the line item being described. Valid Values: See the Packaging Types at the bottom of this document.
commodities.handlingUnits[].lineItems[].classification	String Required	Classification of the line item being described. Valid Values: See the Classification Codes at the bottom of this document.
commodities.handlingUnits[].lineItems[].nmfc	String Optional	NMFC code of the freight being described.
commodities.handlingUnits[].lineItems[].nmfcSub	String Optional	The Sub value for the NMFC of the freight being described.
commodities.handlingUnits[].lineItems[].hazardous	Boolean Required	Identifies whether or not the freight being described contains hazardous materials.
commodities.handlingUnits[].lineItems[].hazardousDescription	String Not Used	Conditionally required when 'hazardous' is 'true'. Provides a detailed description of the hazardous item.
commodities.handlingUnits[].lineItems[].hazardousDetails	Object Not Used	Hazardous details
commodities.handlingUnits[].lineItems[].hazardousDetails.weight	String Not Used	Total weight of hazardous material covered by one description.
commodities.handlingUnits[].lineItems[].hazardousDetails.class	String Not Used	Class that the hazardous material is categorized by.
commodities.handlingUnits[].lineItems[].hazardousDetails.unnaNumber	String Not Used	Proper Identification Number (UN or NA) corresponding to the Proper Shipping Name
commodities.handlingUnits[].lineItems[].hazardousDetails.propername	String Not Used	Proper shipping name for the hazardous material. From DOT regulations 172.101
commodities.handlingUnits[].lineItems[].hazardousDetails.technicalName	String Not Used	Technical name for the hazardous material. Not all hazardous items will have a technical name. From DOT regulations 172.101
commodities.handlingUnits[].lineItems[].hazardousDetails.packingGroup	String Not Used	Hazmat Packing Group number. Not all hazmat items have a packing group
commodities.handlingUnits[].lineItems[].hazardousDetails.contractNumber	String Not Used	The contract number with the hazardous materials contact
payment	Object Required	Payment

Path	Type/Required	Description
payment.terms	String Required	Freight Billing Terms for the shipment. I.e. Prepaid, Collect, Third Party
origin	Object Required	Origin
origin.account	String Required	Company's account number/id for the origin.
origin.name	String Required	Company name associated with the origin location.
origin.address1	String Required	Primary Address line for the origin location
origin.address2	String Optional	Secondary Address line for the origin location
origin.city	String Required	City Name for the origin location
origin.stateProvince	String Required	Two letter state/province code for the origin location. Valid Values: See the State Province Codes at the bottom of this document.
origin.postalCode	String Required	The 5-digit for MX and USA (or 6-characters for Canada) zip code for the origin location. For USA, can pass 12345-1234 formatted zip but only first 5 digits are captured.
origin.country	String Required	Three letter country code for the origin location. Values: CAN - Canada, USA - United States & MEX - Mexico
origin.country	String Required	Three letter country code for the origin location. Values: CAN - Canada, USA - United States & MEX - Mexico
origin.contact	Object Required	Object containing contact details for the shipper.
origin.contact.phone	String Required	Ten digit phone number, without country code and/or dashes, for the origin location's contact person. Valid Formats: ##### (10 digits - Area code + phone)
origin.contact.phoneExt	String Not Used	Phone extension for the origin location's contact person.

Path	Type/Required	Description
origin.contact.name	String Optional	Name of the origin location's contact person.
origin.contact.email	String Optional	Email address of the origin location's contact person.
destination	Object Required	Destination
destination.account	String Required	Company's account number/id for the destination.
destination.name	String Required	Company name associated with the destination location.
destination.address1	String Required	Primary Address line for the destination location
destination.address2	String Optional	Secondary Address line for the destination location
destination.city	String Required	City Name for the destination location
destination.stateProvince	String Required	Two letter state/province code for the destination location. Valid Values: See the State Province Codes at the bottom of this document.
destination.postalCode	String Required	The 5-digit for MX and USA (or 6-characters for Canada) zip code for the destination location. For USA, can pass 12345-1234 formatted zip but only first 5 digits are captured.
destination.country	String Required	Three letter country code for the destination location. Values: CAN - Canada, USA - United States & MEX - Mexico
destination.contact	Object Required	Object containing contact details for the consignee.
destination.contact.phone	String Required	Ten digit phone number, without country code and/or dashes, for the destination location's contact person. Valid Formats: ##### (10 digits - Area code + phone)
destination.contact.phoneExt	String Not Used	Phone extension for the destination location's contact person.

Path	Type/Required	Description
destination.contact.name	String Optional	Name of the destination location's contact person.
destination.contact.email	String Optional	Email address of the destination location's contact person.
billTo	Object Required	Bill-To
billTo.account	String Required	Company's account number/id for the bill-to.
billTo.name	String Required	Company name associated with the bill-to location.
billTo.address1	String Required	Primary Address line for the bill-to location
billTo.address2	String Optional	Secondary Address line for the bill-to location
billTo.city	String Required	City Name for the bill-to location
billTo.stateProvince	String Required	Two letter state/province code for the bill-to location. Valid Values: See the State Province Codes at the bottom of this document.
billTo.postalCode	String Required	The 5-digit for MX and USA (or 6-characters for Canada) zip code for the bill-to location. For USA, can pass 12345-1234 formatted zip but only first 5 digits are captured.
billTo.country	String Required	Three letter country code for the bill-to location. Values: CAN - Canada, USA - United States & MEX - Mexico
billTo.contact	Object Required	Object containing contact details for the bill-to.
billTo.contact.phone	String Required	Ten digit phone number, without country code and/or dashes, for the bill-to location's contact person. Valid Formats: ##### (10 digits - Area code + phone)
billTo.contact.phoneExt	String Not Used	Phone extension for the destination location's contact person.

Path	Type/Required	Description
billTo.contact.name	String Optional	Name of the bill-to location's contact person.
billTo.contact.email	String Optional	Email address of the bill-to location's contact person.
images	Object Not Used	Shipment images
images.includeBol	Boolean Not Used	Indicates whether or not you want an image of the populated BOL returned in the response. Default is false.
images.includeShippingLabels	Boolean Not Used	Indicates whether or not you want image(s) of the shipping labels returned in the response. Default is false.
images.shippingLabels	Object Not Used	Shipping Labels
images.shippingLabels.format	String Not Used	Specifies the printer format type for the labels. Required when images.includeShippingLabels is true. Valid Values: See the Shipping Label Formats at the bottom of this document.
images.shippingLabels.quantity	Number Not Used	Specifies the quantity of pages desired. Required when images.includeShippingLabels is true.
images.shippingLabels.position	Number Not Used	Specifies the starting position for the shipping labels. Required when images.shippingLabel is Avery.
images.email	Object Not Used	Email addresses to send images
images.email.includeBol	Boolean Not Used	Used to request the bill of lading PDF to be sent to one or more email addresses.
images.email.includeLabels	Boolean Not Used	Used to request the shipping labels PDF to be sent to one or more email addresses.
images.email.addresses[]	Array Not Used	Provide one or more email addresses to receive the bol and/or shipping labels PDF.
notifications	Array Not Used	Include if you want notifications of shipment movements by text message or email
notifications[].phoneNumber	String Not Used	Phone number of contact for updates about shipment movements.

Path	Type/Required	Description
notifications[].email	String Not Used	Email address of contact for updates about shipment movements.
referenceNumbers	Object Optional	Shipment reference numbers
referenceNumbers.pro	String Optional	Shipper's pre-assigned PRO number for the requested carrier. If not provided, one will be auto assigned by the carrier.
referenceNumbers.quoteId	String Optional	Quote (estimate) number provided by the carrier after submitting a rate quote request.
referenceNumbers.shipmentId	String Optional	Shipment Id (SID) number for the shipment.
referenceNumbers.masterBol	String Optional	Master Bill of Lading number for the shipment.
referenceNumbers.trailerId	String Optional	When passed, indicates that the shipment is associated to a specific, spotted trailer.
referenceNumbers.manifestId	String Optional	When passed, indicates that the shipment is associated to a manifest that includes multiple shipments, possibly across multiple spotted trailers.
referenceNumbers.bol[]	Array Optional	Additional BOLs
referenceNumbers.po[]	Array Optional	A place for Purchase Order numbers
referenceNumbers.po[].number	String Optional	The Purchase Order number.
referenceNumbers.po[].pieces	Number Optional	Total pieces associated with the Purchase Order
referenceNumbers.po[].weight	Number Optional	Total weight associated with the Purchase Order
referenceNumbers.po[].weightUnit	Number Optional	The unit of measurement for weight. Defaults to Pounds (Imperial) if not passed. Valid Values: Pounds or Kilograms
referenceNumbers.po[].palletized	Boolean Optional	Indicates whether or not the pieces associated with the purchase order are on a pallet/slip/skid or not. Values: true, false

Path	Type/Required	Description
referenceNumbers.po[].additionalShipperInfo	String Optional	Additional information from shipper per line item.
referenceNumbers.additionalReferences[]	Array Optional	Additional reference numbers
referenceNumbers.additionalReferences[].name	String Optional	Indicates the name of the reference number being provided. For example, add 'tradingPartnerId' here to specify a trading partner id.
referenceNumbers.additionalReferences[].value	String Optional	Additional reference number that correlates to the additional reference name. For example, if 'tradingPartnerId' is provided as the name, then the value would be the actual trading partner id.
shipmentTotals	Object Optional	A place to collect various units of shipment totals
shipmentTotals.grossWeight	Number Not Used	Total weight of the entire shipment, including handling units (tare weight).
shipmentTotals.netWeight	Number Not Used	Total weight of the entire shipment, not including handling units (tare weight).
shipmentTotals.weightUnit	String Not Used	The unit of measurement for weight. Always Pounds (Imperial).
shipmentTotals.handlingUnits	Number Optional	Handling unit count for the entire shipment
shipmentTotals.linearLength	Number Not Used	Linear length for the entire shipment
shipmentTotals.dimensionsUnit	String Not Used	The unit of measurement for dimensions. Defaults to Inches (Imperial) if not passed. Valid Values: Inches or Centimeters
shipmentTotals.cube	Number Not Used	Cubic volume of the entire shipment (total length X total width X total height).
shipmentTotals.cubeDimensionsUnit	String Not Used	The unit of measurement for cubic dimensions. Defaults to Feet (Imperial) if not passed.
shipmentTotals.declaredValue	Number Not Used	Total monetary value of the shipment in USD (sometimes needed for cross-border moves).

Path	Type/Required	Description
shipmentTotals.currency	String Not Used	Optional attribute to indicate currency of declaredValue. Defaults to USD. Valid values: See the Currencies schema at the bottom of this document.
accessorials	Object Optional	A place for accessorials
accessorials.codes	Array Optional	An array to hold the list of services requested for the shipment. Valid Values: See the Accessorial Codes at the bottom of this document.
accessorials.hazardousDetails	Object Optional	Required if accessorial codes list contains HAZ and/or if any commodity line item's hazardous flag is set to true.
accessorials.hazardousDetails.emergencyContact	Object Optional	Required if accessorial codes list contains HAZ and/or if any commodity line item's hazardous flag is set to true.
accessorials.hazardousDetails.emergencyContact.name	String Optional	Full name of who should be contacted in the case of a hazardous materials-related issue.
accessorials.hazardousDetails.emergencyContact.phone	String Optional	Phone number of who should be contacted in the case of a hazardous materials-related issue. Valid Formats: ##### (10 digits - Area code + phone)
accessorials.cod	Object Not Used	Required when accessorial code COD is present in the accessorials.codes list.
accessorials.cod.amount	String Not Used	Amount to be received for the COD. Valid Formats: ##.## (2 decimal places only)
accessorials.cod.currency	String Not Used	Optional attribute to indicate currency of COD. Defaults to USD.
accessorials.cod.terms	String Not Used	Payment terms associated with the COD. Valid Values: Prepaid, Collect
accessorials.cod.customerCheckAcceptable	Boolean Not Used	Indicates whether or not a customer check or cash is acceptable.
accessorials.cod.remitTo	Object Not Used	Required when accessorial code COD is present in the accessorials.codes list.
accessorials.cod.remitTo.name	String Not Used	Name of the remit to company.

Path	Type/Required	Description
accessorials.cod.remitTo.address1	String Not Used	Primary Address line of the remit to company.
accessorials.cod.remitTo.address2	String Not Used	Secondary Address of the remit to company.
accessorials.cod.remitTo.city	String Not Used	City Name of the remit to company.
accessorials.cod.remitTo.stateProvince	String Not Used	Two letter state/province code of the remit to company. Valid Values: See the State Province Codes at the bottom of this document.
accessorials.cod.remitTo.postalCode	String Not Used	The 5-digit for MX and USA (or 6-characters for Canada) zip code for the remitt-to location. For USA, can pass 12345-1234 formated zip but only first 5 digits are captured.
accessorials.sortAndSegregatedDetails	Object Not Used	Required when accessorial code SRT is present in the accessorial.codes list.
accessorials.sortAndSegregatedDetails.pieces	Number Not Used	Number of pieces in a shipment to be sorted/segregated
accessorials.fullValueCoverageDetails	Object Not Used	Required when accessorial code FVC is present in the accessorial.codes list.
accessorials.fullValueCoverageDetails.monetaryValue	String Not Used	Value of the cargo. Valid Formats: ##.## (2 decimal places only)
accessorials.fullValueCoverageDetails.currency	String Not Used	Optional attribute to indicate currency of monetaryValue. Defaults to USD.
accessorials.markDetails	Object Not Used	Required when accessorial code MARK is present in the accessorial.codes list.
accessorials.markDetails.pieces	Number Not Used	Required when accessorial code MARK is present in the accessorial.codes list.
accessorials.limitedAccessType	Object Not Used	Optional attribute to indicate the limited access type when accessorial code LTDAP or LTDAD is present in the accessorial.codes list.
accessorials.limitedAccessType.origin	String Not Used	Optional attribute to indicate the limited access type when accessorial code LTDAP is present in the accessorial.codes list.
accessorials.limitedAccessType.destination	String Not Used	Optional attribute to indicate the limited access type when accessorial code LTDAD is present in the accessorial.codes list.

Path	Type/Required	Description
accessorials.timeCriticalDetails	Object Not Used	Optional attribute to indicate the type of delivery required for the requested Time Critical Service. Required when accessorials.code list include TCS.
accessorials.timeCriticalDetails.type	String Not Used	Type of delivery required for the requested Time Critical Service. Required when accessorials.code list include TCS. Valid Values: See the Time Critical Types at the bottom of this document.
accessorials.timeCriticalDetails.date	Object Not Used	Time Critical Date
accessorials.timeCriticalDetails.date.start	String Not Used	The date (with or without time) the shipment is requested to be delivered. Required when timeCriticalDetails.type is populated with any valid value. YYYY-MM-DDTHH:mm:ss.sss (ISO 8601)
accessorials.timeCriticalDetails.date.end	String Not Used	The end date (with or without time) of the requested delivery window. Required when the timeCriticalDetails.type is Delivery Window. Valid Formats: YYYY-MM-DDTHH:mm:ss.sss (ISO 8601)
accessorials.appointmentDetails	Object Not Used	Appointment Details
accessorials.appointmentDetails.pickup	Object Not Used	Pickup Appointment Details
accessorials.appointmentDetails.pickup.start	String Not Used	Starting appointment date (with or without time) the shipment is requested to be picked up. Required when accessorials.code list include APTP. Valid Formats: YYYY-MM-DDTHH:mm:ss.sss (ISO 8601)
accessorials.appointmentDetails.pickup.end	String Not Used	Ending appointment date (with or without time) the shipment is requested to be picked up. Valid Formats: YYYY-MM-DDTHH:mm:ss.sss (ISO 8601)
accessorials.appointmentDetails.delivery	Object Not Used	Delivery Appointment Details
accessorials.appointmentDetails.delivery.start	String Not Used	Starting appointment date (with or without time) the shipment is requested to be delivered. Required when accessorials.code list include APTD. Valid Formats: YYYY-MM-DDTHH:mm:ss.sss (ISO 8601)

Path	Type/Required	Description
<code>accessorials.appointmentDetails.delivery.end</code>	String Not Used	Ending appointment date (with or without time) the shipment is requested to be delivered. Valid Formats: YYYY-MM-DDTHH:mm:ss.sss (ISO 8601)
<code>customsBroker</code>	Object Not Used	Customs Broker
<code>customsBroker.type</code>	String Not Used	Used to identify a customs broker that is involved in a cross-border freight move. Valid Values: Import or Export (Import: customs broker handling the destination-side of the cross-border freight move. Export: customs broker handling the origin-side of the cross-border freight move.
<code>customsBroker.name</code>	String Not Used	Company name associated with the customsBroker location.
<code>customsBroker.address1</code>	String Not Used	Primary Address line for the customsBroker location
<code>customsBroker.address2</code>	String Not Used	Secondary Address line for the customsBroker location
<code>customsBroker.city</code>	String Not Used	City Name for the customsBroker location
<code>customsBroker.stateProvince</code>	String Not Used	Two letter state/province code for the customsBroker location. Valid Values: See the State Province Codes at the bottom of this document.
<code>customsBroker.postalCode</code>	String Not Used	The 5-digit for MX and USA (or 6-characters for Canada) zip code for the customsBroker location. For USA, can pass 12345-1234 formatted zip but only first 5 digits are captured.
<code>customsBroker.country</code>	String Not Used	Three letter country code for the customsBroker location.
<code>customsBroker.contact</code>	String Not Used	Object containing contact details for the customsBroker.
<code>customsBroker.contact.phone</code>	Object Not Used	Ten digit phone number, without country code and/or dashes, for the customsBroker location's contact person.
<code>customsBroker.contact.phoneExt</code>	String Not Used	Phone extension for the customsBroker location's contact person.

Path	Type/Required	Description
customsBroker.contact.name	String Not Used	Name of the customsBroker location's contact person.
customsBroker.contact.email	String Not Used	Email address of the customsBroker location's contact person.

Response Fields

Path	Type	Description
version	String	Indicates which version of the Digital LTL Council Bill of Lading spec was returned
transactionDate	String	The date associated with this electronic bill of lading transaction.
referenceNumbers	Object	Shipment reference numbers
referenceNumbers.pro	String	Shipper's pre-assigned PRO number for the requested carrier. If one was not provided in the request, one will be auto assigned by the carrier.
referenceNumbers.shipmentConfirmationNumber	String	Number provided by the carrier to acknowledge they accepted the BOL.
scac	String	4-letter, Standard Carrier Alpha Code, returned by the carrier. For Averitt:'AVRT'.
images	Object	Shipment images
images.bol	String	Base 64 encoded PDF of the populated Bill Of Lading
images.shippingLabels	String	Base 64 encoded PDF of the populated shipping labels
termsAndConditions	String	Link to Averitt's terms and conditions: http://tools.averitt.com/public/documents/Averitt_BOL_Terms.pdf
messageStatus	Object	Status Details
messageStatus.status	String	Indicates the status of the request. PASS - Request is successful with no exceptions. FAIL - Request is unsuccessful due to some exception. WARNING - Request is successful with some exception.
messageStatus.code	String	Indicates response detail code.
messageStatus.message	String	Provides information pertaining to the response code.

Path	Type	Description
<code>messageStatus.resolution</code>	String	Provides guidance pertaining to the response code.
<code>messageStatus.information[]</code>	Array	Additional message status information
<code>messageStatus.information[].items</code>	Object	
<code>messageStatus.information[].items.code</code>	String	
<code>messageStatus.information[].items.type</code>	String	
<code>messageStatus.information[].items.message</code>	String	
<code>messageStatus.information[].example[]</code>	Array	
<code>resultStatusCodes[]</code>	Array	Numerical codes describing any logical status outcomes.

HTTP status codes

Status code	Meaning
201 Created	The eBOL has been created successfully
400 Bad Request	The data submitted is not acceptable and the request cannot be processed.
404 Not Found	Some of the data submitted is not found or resulted in other necessary information not being found.
500 Internal Server Error	There was an unexpected error processing the request.

Warnings

Warnings are returned when part of the request cannot be fulfilled.

Nevertheless, the BOL is created.

For instance, if there are unsupported accessorials,

```
HTTP/1.1 201 Created
Content-Type: application/json
Content-Length: 820

{
  "version" : "v2.1.0",
  "transactionDate" : "2025-08-13T12:57:53.178",
  "referenceNumbers" : {
    "pro" : "1158005492",
    "shipmentConfirmationNumber" : "N/A"
  },
  "scac" : "AVRT",
  "images" : null,
  "termsAndConditions" :
"http://tools.averitt.com/public/documents/Averitt_BOL_Terms.pdf",
  "messageStatus" : {
    "status" : "WARNING",
    "code" : "",
    "message" : "Request is successful with some warnings.",
    "resolution" : null,
    "information" : [ {
      "code" : "N/A",
      "type" : "WARNING",
      "message" : "Limited access pickup is currently not supported by Averitt."
    }, {
      "code" : "N/A",
      "type" : "WARNING",
      "message" : "Limited access delivery is currently not supported by Averitt."
    } ]
  },
  "resultStatusCodes" : [ "200" ]
}
```

or payment terms are not valid.

```
HTTP/1.1 201 Created
Content-Type: application/json
Content-Length: 689

{
  "version" : "v2.1.0",
```

```
"transactionDate" : "2025-08-13T12:57:09.263",
"referenceNumbers" : {
  "pro" : "1158005484",
  "shipmentConfirmationNumber" : "N/A"
},
"scac" : "AVRT",
"images" : null,
"termsAndConditions" :
"http://tools.averitt.com/public/documents/Averitt_BOL_Terms.pdf",
"messageStatus" : {
  "status" : "WARNING",
  "code" : "",
  "message" : "Request is successful with some warnings.",
  "resolution" : null,
  "information" : [ {
    "code" : "N/A",
    "type" : "WARNING",
    "message" : "Third Party payment terms is not supported. JSON Attribute:
payment.terms"
  } ]
},
"resultStatusCodes" : [ "200" ]
}
```

Errors

400 Bad Request errors are returned if, for example,

an invalid time critical service is requested,

```
HTTP/1.1 400 Bad Request
Content-Type: application/json
Content-Length: 639

{
  "version" : "v2.1.0",
  "transactionDate" : "2025-08-13T12:56:19.585",
  "referenceNumbers" : null,
  "scac" : "AVRT",
  "images" : null,
  "termsAndConditions" :
"http://tools.averitt.com/public/documents/Averitt_BOL_Terms.pdf",
  "messageStatus" : {
    "status" : "FAIL",
    "code" : "10000297",
    "message" : "Unsupported timeCriticalType for carrier Time critical service,
Deliver On or After Date, is not available at this time.",
    "resolution" : "The carrier you selected does not support the
timeCriticalDetails.type <TIME CRITICAL TYPE>",
    "information" : null
  },
  "resultStatusCodes" : [ "300" ]
}
```

or when special instructions are too long.

```
HTTP/1.1 400 Bad Request
Content-Type: application/json
Content-Length: 560

{
  "version" : "v2.1.0",
  "transactionDate" : "2025-08-13T12:55:36.836",
  "referenceNumbers" : null,
  "scac" : "AVRT",
  "images" : null,
  "termsAndConditions" :
"http://tools.averitt.com/public/documents/Averitt_BOL_Terms.pdf",
  "messageStatus" : {
    "status" : "FAIL",
    "code" : "N/A",
    "message" : "Special Instructions is invalid.",
    "resolution" : "Please limit Special Instructions to a maximum of 140 characters."
  }
}
```

```
JSON Attribute: bol.specialInstructions",
  "information" : null
},
"resultStatusCodes" : [ "300" ]
}
```

404 Not Found errors are returned if, for instance,
a required attribute and value are missing.

```
HTTP/1.1 404 Not Found
Content-Type: application/json
Content-Length: 538

{
  "version" : "v2.1.0",
  "transactionDate" : "2025-08-13T12:55:19.525",
  "referenceNumbers" : null,
  "scac" : "AVRT",
  "images" : null,
  "termsAndConditions" :
"http://tools.averitt.com/public/documents/Averitt_BOL_Terms.pdf",
  "messageStatus" : {
    "status" : "FAIL",
    "code" : "N/A",
    "message" : "Commodity, lineItemLayout, is required.",
    "resolution" : "Specify either Stacked or Nested. JSON Attribute:
commodities.lineItemLayout",
    "information" : null
  },
  "resultStatusCodes" : [ "300" ]
}
```

or a hazmat line item description is missing.

```
HTTP/1.1 404 Not Found
Content-Type: application/json
Content-Length: 610

{
  "version" : "v2.1.0",
  "transactionDate" : "2025-08-13T12:55:59.640",
  "referenceNumbers" : null,
  "scac" : "AVRT",
  "images" : null,
  "termsAndConditions" :
"http://tools.averitt.com/public/documents/Averitt_BOL_Terms.pdf",
  "messageStatus" : {
    "status" : "FAIL",
```

```
"code" : "N/A",
"message" : "Line Item Hazardous Description is required when hazardous is set to
true.",
"resolution" : "Provide a hazardous description. JSON Attribute:
commodities.handlingUnits[0..n].lineItems[0..n].hazardousDetails",
"information" : null
},
"resultStatusCodes" : [ "300" ]
}
```

Codes

Accessorial Codes

Code	Description	Note
APTD	Appointment required at delivery	
APTP	Appointment required at pickup	Not Supported
COD	Collect on delivery	Not Supported
EXPD	Expedited Service	Not Supported
FVC	Full value coverage	
GTD_AM	Guaranteed service - by Morning	Not supported
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	Not supported
LFTD	Lift gate required at delivery	
LFTP	Lift gate required at pickup	Not supported
LTDAD	Limited access delivery	Not supported
LTDAP	Limited access pickup	Not supported
MARK	Marked or tagged	Not supported
MNC	Must notify consignee	
OVR	Over dimension/excessive length	
PPD	Perishables (food)	Not supported
PSC	Protective from cold	Not supported
PSH	Protective from heat	Not supported
PSN	Poisonous material	Not supported
REP	Residential pickup	
RES	Residential delivery	
SRT	Sort and segregate	Not supported

Code	Description	Note
SS	Single Shipment	Not supported
TCS	Time Critical Service	Not supported

Handling Unit Types

Type	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

Type	Description
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

Type	Description
VPK	Van Pack
WRP	Wrapped

Limited Access Types (Currently Not Supported)

Type	Description
Airport	Airport
Church	Church
Club	Country Club, Social Club
Construction	Construction Site
Fair	Fair, Carnival, Flea Market
Farm	Farm, Ranch, Vinyard, Orchard
Hotel	Hotel, Motel, Inn, Resteraunt
Mine	Mine, Mill
Other	Other
Park	Amusement Park, Camp, Marina
Port	Port
School	School, University, Library
Secure	Military, Prison, Power Plant, Utility
Storage	Self Storage Unit
Tradeshow	Tradeshow, Exhibition, Expo

Packaging Types

Code	Description	Note
BAG	Bag	
BAL	Bale	
BBL	Barrel	
BSK	Basket	
BIN	Bin	Not Supported
BOX	Box	
BXT	Bucket	
BCH	Bunch	Not Supported
BDL	Bundle	
CAB	Cabinet	Not Supported

Code	Description	Note
CAG	Cage	Not Supported
CAN	Can	
CBY	Carboy	Not Supported
CAR	Carrier	Not Supported
CTN	Carton	
CAS	Case	
CSK	Cask	Not Supported
CHS	Chest	Not Supported
COL	Coil	Not Supported
CNT	Container	Not Supported
COR	Cores	Not Supported
CRT	Crate	
CYL	Cylinder	Not Supported
DRM	Drum	
DBK	Dry Bulk	Not Supported
ENV	Envelope	
FIR	Firkin	Not Supported
GLD	Gaylord	Not Supported
HPR	Hamper	Not Supported
HGH	Hogshead	Not Supported
HRB	On Hanger or Rack in Boxes	Not Supported
INT	Intermediate Bulk Container	Not Supported
JAR	Jar	Not Supported
JCN	Jerrycan	Not Supported
KEG	Keg	Not Supported
KIT	Kit	
LIF	Lifts	Not Supported
LBK	Liquid Bulk	Not Supported
LSE	Loose	
MXD	Mixed	
OTH	Other	Not Supported
PKG	Package	
PCK	Packed	Not Supported

Code	Description	Note
PAL	Pail	
PAT	Pallet	
PCS	Piece	
PLN	Pipe Line	Not Supported
RCK	Rack	
REL	Reel	
ROL	Roll	
SKD	Skid	
SLP	Slip Sheet	Not Supported
SPL	Spool	Not Supported
TNK	Tank	
TBN	Tote	
TRY	Tray	Not Supported
TRU	Truckload	Not Supported
TRK	Trunk	Not Supported
TUB	Tub	Not Supported
TBE	Tube	
UNT	Unit	Not Supported
VPK	Van Pack	Not Supported
WRP	Wrapped	Not Supported

Shipping Label Formats (Currently Not Supported)

Code	Description
Avery	3-1/3" x 4" (6 labels per sheet)
Letter	Standard letter sheet
Zebra	4" x 6" (1 label per sheet)

State Province Codes

Code	Description
AL	Alabama
AK	Alaska
AZ	Arizona
AR	Arkansas

Code	Description
CA	California
CO	Colorado
CT	Connecticut
DC	District of Columbia
DE	Delaware
FL	Florida
GA	Georgia
HI	Hawaii
ID	Idaho
IL	Illinois
IN	Indiana
IA	Iowa
KS	Kansas
KY	Kentucky
LA	Louisiana
ME	Maine
MD	Maryland
MA	Massachusetts
MI	Michigan
MN	Minnesota
MS	Mississippi
MO	Missouri
MT	Montana
NE	Nebraska
NV	Nevada
NH	New Hampshire
NJ	New Jersey
NM	New Mexico
NY	New York
NC	North Carolina
ND	North Dakota
OH	Ohio
OK	Oklahoma

Code	Description
OR	Oregon
PA	Pennsylvania
PR	Puerto Rico
RI	Rhode Island
SC	South Carolina
SD	South Dakota
TN	Tennessee
TX	Texas
UT	Utah
VT	Vermont
VA	Virginia
WA	Washington
WV	West Virginia
WI	Wisconsin
WY	Wyoming
AB	Alberta
BC	British Columbia
MB	Manitoba
NB	New Brunswick
NL	Newfoundland and Labrador
NS	Nova Scotia
NT	Northwest Territories
NU	Nunavut
ON	Ontario
PE	Prince Edward Island
QC	Quebec
SK	Saskatchewan
YT	Yukon
CMX	Mexican Federal District
AGU	Aguascalientes
BCN	Baja California
BCS	Baja California Sur
CAM	Campeche

Code	Description
COA	Coahuila
COL	Colima
CHP	Chiapas
CHH	Chihuahua
DUR	Durango
GUA	Guanajuato
GRO	Guerrero
HID	Hidalgo
JAL	Jalisco
MEX	Mexico
MIC	Michoacan
MOR	Morelos
NAY	Nayarit
NLE	Nuevo Leon
OAX	Oaxaca
PUE	Puebla
QUE	Queretaro
ROO	Quintana Roo
SLP	San Luis Potosi
SIN	Sinaloa
SON	Sonora
TAB	Tabasco
TAM	Tamaulipas
TLA	Tlaxcala
VER	Veracruz
YUC	Yucatan
ZAC	Zacatecas

Time Critical Types

Code	Description	Note
Deliver On Date	Freight can only be delivered on the specified start date.	
Deliver On or After Date	Freight can only be delivered on or after the specified start date.	Not Supported
Deliver By Date	Freight can only be delivered up to, and including, the specified start date.	
Delivery Window	Freight can only be delivered between the specified start and end dates.	

Currencies

Code	Description
CAD	Canadian Dollar
MXN	Mexican Peso
USD	U.S. Dollar

Classification Codes

Code
50
55
60
65
70
77.5
85
92.5
100
110
125
150
175

Code
200
250
300
400
500

Result Status Code (Only showing ones that Averitt uses)

Code	Description
200	Warning Non-Critical Error
300	Failure Data Error
400	Failure Formatting Error
1400	Failure Duplicate Pro Error
1500	Failure Unknown Reason Error