

API Reference

Electronic Bill Of Lading Service

API Version: 2.0.1

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API

1. CARRIER API STANDARDS

1.1 POST /bol/v1/app/

REQUEST

REQUEST BODY - application/json

{
Objects and/or attributes that are required are indicated by a ****red asterisk**** *. For those that are conditionally required, it will be indicated within their description, including the condition in which they are required.

```
bol* {  
  requestedPickupDate* string  The intended Ship Date. NOTE this does not serve as a Pickup Request  
  
                                Valid Formats:  
                                * YYYY-MM-DDTHH:mm:ss.sss (ISO 8601)  
  
  function*                  string  The intent for the submitted request.  
  
                                Valid Values:  
                                * Create - Used for initial creation  
  
  isTest*                    boolean Indicates whether or not the submitted request is intended to be a test or not.  
  requestorRole*             string  Identifies the party making the request.  
  
                                Valid Values: See Requestor_Roles schema at the bottom of this page.  
  specialInstructions         string  Special delivery instructions that need to be followed for the shipment's delivery.  
}  
version*                     string  Indicates which minor version of the Digital LTL Council Bill  
                                of Lading spec you are consuming  
  
                                Valid values: v1.0 or v1.1  
  
  images {  
    includeBol                boolean Indicates whether or not you want an image of the populated BOL returned in  
                                the response.  
  
                                Default is false.  
    includeShippingLabels     boolean Indicates whether or not you want image(s) of the shipping labels returned in  
                                the response.  
  
                                Default is false.  
    shippingLabels {  
      format      string  Specifies the printer format type for the labels.  
  
                                Required when images.includeShippingLabels is true.  
  
                                Valid Values: See the Shipping_Label_Formats schema at the bottom of this page.  
      quantity    integer Specifies the quantity of pages desired.  
  
                                Required when images.includeShippingLabels is true.  
      position    integer Specifies the starting position for the shipping labels.  
  
                                Required when images.shippingLabel is Avery.  
  
                                Valid Values:  
                                * 1 - 6  
    }  
    email {  
      includeBol    boolean  Used to request the bill of lading PDF to be sent to one or more email addresses  
      includeLabels boolean  Used to request the shipping labels PDF to be sent to one or more email addresses  
      addresses     [string]  
    }  
  }  
  notifications [{  
    Array of object:
```

```

    phoneNumber string Phone number of contact for updates about shipment movements
    email        string Email address of contact for updates about shipment movements
  }]
  referenceNumbers {
    pro string Shipper's pre-assigned PRO number for the requested carrier. If not provided, one will be
    auto assigned by the carrier.
    quoteId string Quote (estimate) number provided by the carrier after submitting a rate quote request.
    shipmentId string Shipment Id (SID) number for the shipment.
    masterBol string Master Bill of Lading number for the shipment.
    bol [string]
    po [{
      Array of object:
        number string The Purchase Order number.
        pieces integer Total pieces associated with the Purchase Order
        weight integer Total weight associated with the Purchase Order
        palletized boolean Indicates whether or not the pieces associated with the purchase order are
        on a pallet/slip/skid or not.
        additionalShipperInfo string Additional information from shipper per line item
      }]
    additionalReferences [{
      Array of object:
        name string Indicates the name of the reference number being provided.
        value string Additional reference number that correlates to the additional reference name.
      }]
  }
  payment* {
    terms* string Freight Billing Terms for the shipment

    Valid Values: See the Payment_Terms schema at the bottom of this page.
  }
  commodities* {
    lineItemLayout* string Valid values: Nested or Stacked

    Nested: Indicates if the Handling Unit/Line Item relationship is known. If this
    value is used, each Line Item associated to a Handling Unit is conditionally
    required to be passed within that Handling Unit's object.

    Stacked: Indicates if the Handling Unit/Line Item relationship is not known. If
    this value is used, Line Items may be passed within any Handling Unit object.
  }
  handlingUnits* [{
    Array of object:
      count* integer Number of handling units being described
      type* string Type of the handling units being described

      Valid Values: See the Handling_Unit_Types schema at the bottom of
      this page
      tareWeight integer Weight of the skids/pallets/slips used in the shipment.
      weight* integer Total weight for the specified handling units.
      weightUnit string The unit of measurement for weight. Defaults to Pounds (Imperial) if
      not passed.

      Valid Values: Pounds or Kilograms
      length integer The length of the handling units being described.
      width integer The width of the handling units being described.
      height integer The height of the handling units being described.
      dimensionsUnit string The unit of measurement for dimensions. Defaults to Inches
      (Imperial) if not passed.

      Valid Values: Inches or Centimeters
      stackable boolean Identifies whether or not the freight being described can be stacked
      on one another.

      Default is false.
  }

```

```

lineItems [{
  Array of object:
    description*      string  Description of the freight being described.
    weight*           integer  Total weight for the specified lineltem.
    weightUnit        string  The unit of measurement for weight. Defaults to Pounds (Imperial) if
                                not passed.
                                Valid Values: Pounds or Kilograms
    pieces*           integer  Number of individual pieces for the line item being described.
    packagingType*    string  Packaging type for the individual pieces of the line item being
                                described.
                                Valid Values: See the Packaging_Types schema at the bottom of this
                                page
    classification*   string  Classification of the line item beind described.
                                Valid Values: See the Classification_Codes schema at the bottom of this
                                page.
    nmfc              string  NMFC code of the freight being described.
    nmfcSub           string  The Sub value for the NMFC of the freight being described.
    hazardous*        boolean  Identifies whether or not the freight being described contains hazardous
                                materials.
    hazardousDescription string  Conditionally required when 'hazardous' is 'true'. Provides a detailed
                                description of the hazardous item.
    hazardousDetails {
      weight          integer  Total weight of hazardous material covered by one description.
      class            string  Class that the hazardous material is catogorized by.
      unnaNumber       string  Proper Identification Number (UN or NA) corresponding to the Proper
                                Shipping Name
      propername       string  Proper shipping name for the hazardous material.
                                From DOT regulations 172.101
      technicalName    string  Technical name for the hazardous material. Not all hazardous items will have
                                a technical name.
                                From DOT regulations 172.101
      packingGroup     string  Hazmat Packing Group number. Not all hazmat items have a packing group
      contractNumber   string  The contract number with the hazardous materials contact
    }
  }
}]
}
shipmentTotals {
  grossWeight        integer  Total weight of the entire shipment, including handling units (tare weight).
  netWeight          integer  Total weight of the entire shipment, not including handling units (tare weight).
  weightUnit         string  The unit of measurement for weight. Defaults to Pounds (Imperial) if not
                                passed.
                                Valid Values: Pounds or Kilograms
  handlingUnits      integer  Handling unit count for the entire shipment
  linearLength       integer  Linear length for the entire shipment
  dimensionsUnit     string  The unit of measurement for dimensions. Defaults to Inches (Imperial) if not
                                passed.
                                Valid Values: Inches or Centimeters
  cube               integer  Cubic volume of the entire shipment (total length X total width X total height).
  cubeDimensionsUnit string  The unit of measurement for cubic dimensions. Defaults to Feet (Imperial) if not
                                passed.
                                Valid Values: Feet or Meters
  declaredValue      integer  Total monetary value of the shipment in USD (sometimes needed for cross-border
                                moves).
  currency           string  Optional attribute to indicate currency of declaredValue. Defaults to USD.
                                Valid values: See the Currencies schema at the bottom of this page.
}
accessorials {
  codes              [string]

```

hazardousDetails {

Required if accessorial codes list contains HAZ and/or if any commodity line item's hazardous flag is set to true.

emergencyContact {

name **string** Full name of who should be contacted in the case of a hazardous materials-related issue.

phone **string** Phone number of who should be contacted in the case of a hazardous materials-related issue.

Valid Formats:

* ##### (10 digits - Area code + phone)

}

}

cod {

Required when accessorial code COD is present in the accessorial.codes list.

amount **string** Amount to be received for the COD.

Valid Formats:

* ##.## (2 decimal places only)

currency **string** Optional attribute to indicate currency of COD. Defaults to USD.

Valid values: See the Currencies schema at the bottom of this page.

terms **string** Payment terms associated with the COD.

Valid Values:

* Prepaid

* Collect

customerCheckAcceptable **boolean** Indicates whether or not a customer check or cash is acceptable.

remitTo {

Required when accessorial code COD is present in the accessorial.codes list.

name **string** Name of the remit to company.

address1 **string** Primary Address line of the remit to company.

address2 **string** Secondary Address of the remit to company.

city **string** City Name of the remit to company.

stateProvince **string** Two letter state/province code of the remit to company.

Valid Values: See the State_Province_Codes schema at the bottom of this page.

postalCode **string** The 5-digit (or 6-characters for Canada) zip code of the remit to company.

Valid formats:

* 12345 (5 digits - USA/MEX)

* A1A1A1 (6 characters - CAN)

* A1A1A (5 characters - CAN)

country **string** Three letter country code of the remit to company.

Valid Values: See the Country_Codes schema at the bottom of this page.

}

}

sortAndSegregateDetails {

Required when accessorial code SRT is present in the accessorial.codes list.

pieces **integer** Number of pieces in a shipment to be sorted/segregated

}

fullValueCoverageDetails {

Required when accessorial code FVC is present in the accessorial.codes list.

monetaryValue **string** Value of the cargo.

Valid Formats:

* ##.## (2 decimal places only)

currency **string** Optional attribute to indicate currency of monetaryValue. Defaults to USD.

Valid values: See the Currencies schema at the bottom of this page.

}

markDetails {

Required when accessorial code MARK is present in the accessorial.codes list.

pieces **integer** Number of pieces in a shipment requiring marking or tagging

}

limitedAccessType {

Optional attribute to indicate the limited access type when accessorial code LTDAP or LTDAD is present in the accessorial.codes list.

```

origin      string  Optional attribute to indicate the limited access type when accessorial code LTDAP is present
                  in the accessorial.codes list.

                  Valid Values: See the Limited_Acess_Types schema at the bottom of this page.

destination string  Optional attribute to indicate the limited access type when accessorial code LTDAD is present
                  in the accessorial.codes list.

                  Valid Values: See the Limited_Acess_Types schema at the bottom of this page.
}
timeCriticalDetails {
  type string  Type of delivery required for the requested Time Critical Service.

                  Required when accessorials.code list include TCS.

                  Valid Values: See the Time_Critical_Types schema at the bottom of this page.

  date {
    start string  The date (with or without time) the shipment is requested to be delivered.

                  Required when timeCriticalDetails.type is populated with any valid value.

                  Valid Formats:
                  * YYYY-MM-DDTHH:mm:ss.sss (ISO 8601)

    end string  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)
  }
}
appointmentDetails {
  pickup {
    start string  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)

    end string  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)
  }
  delivery {
    start string  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)

    end string  Ending appointment date (with or without time) the shipment is requested to be delivered.

                  Valid Formats:
                  * YYYY-MM-DDTHH:mm:ss.sss (ISO 8601)
  }
}
}
origin* {
  account      string  Company's account number/id for the origin.
  locationId    string  Company's location id for the origin
  name*         string  Company name associated with the origin location.
  address1*     string  Primary Address line for the origin location
  address2      string  Secondary Address line for the origin location
  city*         string  City Name for the origin location
  stateProvince* string  Two letter state/province code for the origin location.

                  Valid Values: See the State_Province_Codes schema at the bottom of this page.

  postalCode*   string  The 5-digit (or 6-characters for Canada) zip code ofor the origin location.

                  Valid formats:

```

		* 12345 (5 digits - USA/MEX) * A1A1A1 (6 characters - CAN) * A1A1A (5 characters - CAN)
country*	string	Three letter country code for the origin location.
		Valid Values: See the Country_Codes schema at the bottom of this page.
contact* { Object containing contact details for the shipper.		
phone*	string	Ten digit phone number, without country code and/or dashes, for the origin location's contact person.
		Valid Formats: * ##### (10 digits - Area code + phone)
phoneExt	string	Phone extensionfor the origin location's contact person.
name	string	Name of the origin location's contact person.
email	string	Email address of the origin location's contact person.
}		
}		
destination* {		
account	string	Company's account number/id for the destination.
locationId	string	Company's location id for the destination
name*	string	Company name associated with the destination location.
address1*	string	Primary Address line for the destination location
address2	string	Secondary Address line for the destination location
city*	string	City Name for the destination location
stateProvince*	string	Two letter state/province code for the destination location.
		Valid Values: See the State_Province_Codes schema at the bottom of this page.
postalCode*	string	The 5-digit (or 6-characters for Canada) zip code ofor the destination location.
		Valid formats: * 12345 (5 digits - USA/MEX) * A1A1A1 (6 characters - CAN) * A1A1A (5 characters - CAN)
country*	string	Three letter country code for the destination location.
		Valid Values: See the Country_Codes schema at the bottom of this page.
contact* { Object containing contact details for the destination.		
phone*	string	Ten digit phone number, without country code and/or dashes, for the destination location's contact person.
		Valid Formats: * ##### (10 digits - Area code + phone)
phoneExt	string	Phone extensionfor the destination location's contact person.
name	string	Name of the destination location's contact person.
email	string	Email address of the destination location's contact person.
}		
}		
billTo* {		
account	string	Company's account number/id for the billTo.
locationId	string	Company's location id for the billTo.
name*	string	Company name associated with the billTo location.
address1*	string	Primary Address line for the billTo location
address2	string	Secondary Address line for the billTo location
city*	string	City Name for the billTo location
stateProvince*	string	Two letter state/province code for the billTo location.
		Valid Values: See the State_Province_Codes schema at the bottom of this page.
postalCode*	string	The 5-digit (or 6-characters for Canada) zip code ofor the billTo location.
		Valid formats: * 12345 (5 digits - USA/MEX) * A1A1A1 (6 characters - CAN) * A1A1A (5 characters - CAN)
country*	string	Three letter country code for the billTo location.

Valid Values: See the Country_Codes schema at the bottom of this page.

contact* {

Object containing contact details for the billTo.

phone* **string** Ten digit phone number, without country code and/or dashes, for the billTo location's contact person.

Valid Formats:

* ##### (10 digits - Area code + phone)

phoneExt **string** Phone extensionfor the billTo location's contact person.

name **string** Name of the billTo location's contact person.

email **string** Email address of the billTo location's contact person.

}

}
customsBroker {

type **string** 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

name **string** Company name associated with the customsBroker location.

address1 **string** Primary Address line for the customsBroker location

address2 **string** Secondary Address line for the customsBroker location

city **string** City Name for the customsBroker location

stateProvince **string** Two letter state/province code for the customsBroker location.

Valid Values: See the State_Province_Codes schema at the bottom of this page.

postalCode **string** The 5-digit (or 6-characters for Canada) zip code ofor the customsBroker location.

Valid formats:

* 12345 (5 digits - USA/MEX)

* A1A1A1 (6 characters - CAN)

* A1A1A (5 characters - CAN)

country **string** Three letter country code for the customsBroker location.

Valid Values: See the Country_Codes schema at the bottom of this page.

contact {

Object containing contact details for the customsBroker.

phone* **string** Ten digit phone number, without country code and/or dashes, for the customsBroker location's contact person.

Valid Formats:

* ##### (10 digits - Area code + phone)

phoneExt **string** Phone extensionfor the customsBroker location's contact person.

name **string** Name of the customsBroker location's contact person.

email **string** Email address of the customsBroker location's contact person.

}

}

}

RESPONSE

STATUS CODE - 200: Successful response

RESPONSE MODEL - application/json

{

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 {

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.

shipmentConfirmationNumber **string** Number provided by the carrier to acknowledge they accepted the BOL.

}

```

images {
  bol          string  Base 64 encoded PDF of the populated Bill Of Lading
  shippingLabels string  Base 64 encoded PDF of the populated shipping labels
}
messageStatus {
  Object containing message status details.

  status      string  Indicates the status of the request. <br><br>
                    PASS - Request is successful with no exceptions.<br>
                    FAIL - Request is unsuccessful due to some exception.<br>
                    WARNING - Request is successful with some exception.

  code        string  Indicates response detail code.
  message     string  Provides information pertaining to the response code.
  resolution  string  Provides guidance pertaining to the response code.
  information [{
    Array of object:
    code      string
    type      string
    message   string
  }]
}

```
