

API Implementation Guide — BillOfLading

Release	1.0
Date	10/12/2021
Document Owner	XPO Less-Than-Truckload IT Service Governance Team
API Name	BillOfLading
API Description	The set of operations offered by this API allow management of bills of lading (BOL); creation of various shipping-related labels, and sharing of BOL and labels via email.
Document Purpose	This document details the use the bill of lading operations. Each operation will show the request and/or response interfaces for the operation, describing mandatory and optional elements. They will also specify values permitted for a field, any formatting constraints, as well as any errors that may be encountered.
Operation Descriptions	<p>createBillOfLading: Create a new Bill of Lading</p> <p>updateBillOfLading: Change an existing Bill of Lading.</p> <p>cancelBillOfLading: Cancel an existing Bill of Lading – in effect, this cancels the pickup request associated with the BOL.</p> <p>getBillOfLading: Retrieve information about an existing Bill of Lading.</p> <p>listSubmittedBillsOfLading: Get a summarized list of existing bills of lading.</p> <p>getBillOfLadingPdf: Get a PDF image of a Bill of Lading</p> <p>createPapsLabelPdf: Create an Adobe .PDF file of a PAPS label for printing.</p> <p>createShippingLabelPdf: Create a shipping label for printing.</p> <p>emailBillOfLadingPdf: Email a Bill of Lading (to a specified email address, or the address on the BOL).</p> <p>emailPapsLabelPdf: Email a PAPS label to a an email address or the email address on the BOL</p> <p>emailShippingLabelPdf: Email a shipping label to a an email address or the email address on the BOL</p>

Table of Contents

1	Introduction.....	4
1.1	Purpose	4
1.2	Scope.....	4
2	BOL Execution.....	4
2.1	Production Environment	4
3	createBillOfLading	5
3.1	Description.....	5
3.2	Request Elements	5
3.3	Response Elements	27
3.4	createBillOfLading Samples	27
4	updateBillOfLading	30
4.1	Description.....	30
4.2	Request Elements	30
4.3	Response Elements	52
4.4	updateBillOfLading Samples	52
5	cancelBillOfLading.....	55
5.1	Description.....	55
5.2	Request Elements	55
5.3	CancelBillOfLading Samples.....	56
5.3.1	Standard cancel Bill of Lading.....	56
6	GetBillOfLading	56
6.1	Description.....	56
6.2	Request Elements	56
6.3	Response Elements	56
6.4	getBillofLading Samples	76
7	ListSubmittedBillsOfLading	80
7.1	Description.....	80
7.2	Request Elements	80
7.3	Response Elements	81
7.4	ListSubmittedBillsOfLading Samples	95
8	getBillOfLadingPdf.....	98
8.1	Description.....	98
8.2	Request Elements	98
8.3	Response Elements	98
8.4	getBillofLadingPdf Samples.....	99
9	createPAPSLabelPdf.....	99
9.1	Description.....	99
9.2	Request Elements	99
9.3	Response Elements	100
9.4	Create PAPSLabel PDF Samples	100
10	createShippingLabelPdf	100
10.1	Description.....	100

- 10.2 Request Elements 101
- 10.3 Response Elements 101
- 10.4 CreateShippingLabelPdf Samples..... 101
- 11 emailBillofLadingPdf 102
 - 11.1 Description 102
 - 11.2 Request Elements 102
 - 11.3 Response Elements 102
 - 11.4 emailBillofLading PDF Samples 102
- 12 emailPapsLabelPdf 103
 - 12.1 Description 103
 - 12.2 Request Elements 103
 - 12.3 Response Elements 103
 - 12.4 emailPaps Label PDF Samples 104
- 13 emailShippingLabelPdf..... 104
 - 13.1 Description 104
 - 13.2 Request Elements 105
 - 13.3 Response Elements 105
 - 13.4 emailShipping Label PDF Samples 105
- 14 Document Revision History 106

1 Introduction

1.1 Purpose

The purpose of this document is to provide a technical guide for the Bill of Lading JSON API service.

For information on general XPO LTL API setup, including security; health check; rate limits; discovering API options; response structures; and test mode, see the API Help Center on [LTL.XPO.com](https://ltl.xpo.com).

Test Mode

Bill of Lading API operations have a test mode, so you can perform testing. This is a mandatory field . If set to Y, then the request will be routed to a test system (the requests will not be forwarded to a service center). If set to N, then the request will be routed to production.

To test, please follow this format by indicating Y in a testMode parameter. *This parameter is mandatory:*

<https://api.ltl.xpo.com/billoflading/1.0/billsouflading?testMode=Y>

For calls to the production environment, set the testMode to N.

1.2 Scope

This document covers the execution environment, operation definitions, input and output descriptions, and sample inputs and outputs.

2 BOL Execution

2.1 Production Environment

Endpoint

Production: <https://api.ltl.xpo.com/billoflading/1.0/billsouflading?testMode=N>

Endpoint Resource Value

Operation Name	URI Prefix	API Method
createBillOfLading	/billsouflading	POST
updateBillOfLading	/billsouflading/{bollInstId}	PUT
cancelBillOfLading	/billsouflading/{bollInstId}/cancel	PUT
getBillOfLading	/billsouflading/{bollInstId}/requester	GET

listSubmittedBillsOfLading	/billsoflading/requester	GET
getBillOfLadingPdf	/billsoflading/{bolInstId}/pdf	GET
createPapsLabelPdf	/billsoflading/{bolInstId}/papslabels/pdf	POST
createShippingLabel	/billsoflading/{bolInstId}/shippinglabels/pdf	POST
emailBillOfLadingPdf	/billsoflading/{bolInstId}/papslabels/email	POST
emailPapsLabelPdf	/billsoflading/{bolInstId}/papslabels/email	POST
/billsoflading/{bolInstId}/shippinglabels/email	POST	/billsoflading/{bolInstId}/shippinglabels/email

3 createBillOfLading

3.1 Description

This operation is used to create a bill of lading (BOL).

Business rules:

- Consignee information must be entered: company name, address, city, state or province, postal code.
- Shipper information must be entered: company name, address, city, state or province, postal code, phone number.
- If any Bill-to information is entered, all Bill-to address information and bill-to company name must be entered.
- At least one commodity must be entered.
- Additional services (accessorials) entered may indicate whether they will be paid prepaid or collect. If not supplied, then this value will be taken from the BOL chargeToCd.
- COD details are required if COD service is requested.
- If a PRO identifier is provided, it must be a valid PRO.
- Customs Broker information is only allowed if the shipment is crossing international borders. If any broker information is provided, all broker information must be provided.

Post-conditions:

- If the operation was successful, BOL identifier information will be returned with pickup request information (if applicable). A link to access the BOL information will be returned.
- An email is sent to the requestor if “sendBolEmail” is set to true.

3.2 Request Elements

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol	Object				Information about the Bill of Lading to be created
bol.additionalService	Object	0 to many			Any known accessorial charges.
bol.additionalService .accsrIcode	string		DCF : Container Station Delivery DID: Inside Delivery DLG: Liftgate Delivery DNC: Destination Notification DSH: Saturday or Holiday Delivery DST: Storage at Destination GUR: XPO Logistics Guaranteed OCF: Container Station Pickup OIP: Inside Pickup OLG: Origin Liftgate RSD: Residential Delivery RSO: Residential Pickup XFZ: Freezable Protection Service		
bol.additionalService .prepaidOrCollect	string		Valid values are: P or C.		If not supplied, then the system defaults to the value of the BOL.chargeToCd. Freezable service does not designate P or C.
bol.billToCust	object			If any information is entered here,	Bill-to customer information.

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
				Company name, and all address information must be provided.	
bol.billToCust.acctInstId	String				Customer account ID
bol.billToCust.acctMAdCd	String				Customer business key
bol.billToCust.address	Object				Bill-to customer address
bol.billToCust.address.addressTypeCd	String		Ex: work, headquarters, admin offices, billing, etc.		What type of address it is
bol.billToCust.address.name	String				Primary name
bol.billToCust.address.careOfName	String				Applies to mailing address of a person, where the address is actually in another entity's name
bol.billToCust.address.addressLine1	String				Address that includes building number and street name
bol.billToCust.address.addressLine2	String				Additional address information such as Suite number
bol.billToCust.address.postOfficeBox	String				Post office box number
bol.billToCust.address.cityName	String				City name
bol.billToCust.address.stateCd	String		Ex: OR for Oregon		State code
bol.billToCust.address.countryCd	String		Ex: CN for Canada		Country code
bol.billToCust.address.postalCd	String		97201		Postal code or ZIP code

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.billToCust.address.usZip4	String				4-digit extension to the U.S. ZIP code
bol.billToCust.contactInfo	Object				
bol.billToCust.contactInfo.companyName	String				Company name of the contact person
bol.billToCust.contactInfo.email	Object				E-mail address of the contact person
bol.billToCust.contactInfo.email.emailAddress	String				
bol.billToCust.contactInfo.email.emailTypeCd	String				
bol.billToCust.contactInfo.fullName	String				Contact person's full name
bol.billToCust.contactInfo.phone	Object				Phone number
bol.billToCust.contactInfo.phone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency		Phone Type
bol.billToCust.contactInfo.phone.countryCd	integer		US Country code is 1		Country code of the phone number
bol.billToCust.contactInfo.phone.extension	integer				Additional digits to reach a party after dialing the standard phone number.
bol.billToCust.contactInfo.phoneNbr	String				Phone number. This may include various delimiters such as – and/or ().
bol.bolDateTime	dateTime				Original document date
bol.bolDocNm	String				BOL document identifier. Hybrid field containing BOL create timestamp, consignee name and Unique reference ID.
bol.bolDocVer	String				Version of the BOL

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.bolInstld	String				Identifier for the BOL
bol.chargeToCd	String		P – prepaid: shipper responsible for all charges; C – collect: consignee responsible for all charges.		Identifies who is responsible for shipment charges – either the shipper or the consignee, or the responsibility may be split between both parties.
bol.cod	Object			Fields marked “Y” are required if COD is requested	COD remittance information
bol.cod.paymentTypeCd	String		Prepaid or Collect	Y	COD Fee payment type
bol.cod.remit	Object				Remit to customer information
bol.cod.remit.acctInstld	String				Remit to customer account ID
bol.cod.remit.acctMaidCd	String				Remit to customer business key
bol.cod.remit.addresses	Object			Y	Remit to customer address
bol.cod.remit.addresses.addressTypeCd	String		Ex: work, headquarters, admin offices, billing, etc.		What type of address it is
bol.cod.remit.addresses.name	String			Y	Primary name
bol.cod.remit.addresses.careOfName	String				Applies to mailing address of a person, where the address is actually in another entity’s name
bol.cod.remit.addresses.addressLine1	String			Y	Address that includes building number and street name
bol.cod.remit.addresses.addressLine2	String				Additional address information such as Suite number

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.cod.remit.address.postOfficeBox	String				Post office box number
bol.cod.remit.address.cityName	String			Y	City name
bol.cod.remit.address.stateCd	String		Ex: OR for Oregon		State code
bol.cod.remit.address.countryCd	String		Ex: CN for Canada		Country code
bol.cod.remit.address.postalCd	String		97201		Postal code or ZIP code
bol.cod.remit.address.usZip4	String				4-digit extension to the U.S. ZIP code
bol.cod.remitAmount	Object				
bol.cod.remitAmount.amt	decimal			Y	
bol.cod.remitAmount.currencyCd	String				ISO 3 letter currency code
bol.cod.acceptCheckType	String		CustomerCheck, CertifiedCheck, CashiersCheck, MoneyOrder	Y	Type of check to be accepted.
bol.commodityLine	Object	0 to many		At least one required	Commodity information for the BOL including any hazmat information
bol.commodityLine.pieceCnt	integer			Y	Number of commodity items
bol.commodityLine.packaging	Object				Packaging information
bol.commodityLine.packaging.packageCd	String				
bol.commodityLine.packaging.packageCd.packageWeight	Object				

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.commodityLine.packaging.packageCd.packageWeight.weight	decimal		Must be less than 100,000 lbs.	Y	
bol.commodityLine.packaging.packageCd.packageWeight.weightUom	String			Y	
bol.commodityLine.packaging.packageDimensions	Object				
bol.commodityLine.packaging.packageDimensions.length	decimal				
bol.commodityLine.packaging.packageDimensions.width	decimal				
bol.commodityLine.packaging.packageDimensions.height	decimal				
bol.commodityLine.packaging.packageDimensions.dimensionsUom	String				
bol.commodityLine.grossWeight	Object				Total weight for package and item together
bol.commodityLine.grossWeight.weight	Decimal				
bol.commodityLine.grossWeight.weightUom	String				
bol.commodityLine.tareWeight	Object				Weight of the commodity without packaging
bol.commodityLine.tareWeight.weight	decimal				
bol.commodityLine.tareWeight.weightUom	String				
bol.commodityLine.volume	Object				
bol.commodityLine.volume.volume	decimal				

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.commodityLine.volume.volumeUom	String				
bol.commodityLine.description	string			Y	Commodity description
bol.commodityLine.nmfcClass	string				NMFC class
bol.commodityLine.nmfcItemCd	string			9999##-9# or 9999##	NMFC code
bol.commodityLine.freezableInd	boolean		Y = can be damaged by freezing		Indicates whether shipment requires special handling to prevent freezing during harsh weather
bol.commodityLine.hazmatInd	boolean				Indicates whether the commodity contains hazardous materials
bol.commodityLine.hazmatInfo	Object				
bol.commodityLine.hazmatInfo.countryCd	String				
bol.commodityLine.hazmatInfo.hazardousCd	String			Y for Hazmat	UN/NA Hazardous codes Identification number
bol.commodityLine.hazmatInfo.desc	String				
bol.commodityLine.chemicalCharacteristics	Object				
bol.commodityLine.chemicalCharacteristics.chemProperShippingName	String				HazMat proper shipping name
bol.commodityLine.chemicalCharacteristics.chemTechnicalName1	String				
bol.commodityLine.chemicalCharacteristics.chemTechnicalName2	String				
bol.commodityLine.chemicalCharacteristics	String				

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
cs.chemTechnicalName3					
bol.commodityLine.chemicalCharacteristics.classPrimary	String				
bol.commodityLine.chemicalCharacteristics.classSecondary	String				
bol.commodityLine.chemicalCharacteristics.classTertiary	String				
bol.commodityLine.chemicalCharacteristics.contentWeight	decimal				
bol.commodityLine.chemicalCharacteristics.contentWeightUOM	String				
bol.commodityLine.chemicalCharacteristics.reportableQuantityInd	boolean				
bol.commodityLine.chemicalCharacteristics.reportQuantityWeight	decimal				
bol.commodityLine.chemicalCharacteristics.reportQuantityWeightUOM	String				
bol.commodityLine.chemicalCharacteristics.packagingGroupCd	String				
bol.commodityLine.chemicalCharacteristics.specialProvision	String				
bol.commodityLine.chemicalCharacteristics.emergencyGuideBookName	String				
bol.commodityLine.chemicalCharacteristics.hotInd	boolean				
bol.commodityLine.chemicalCharacteristics.residueInd	boolean				

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.commodityLine.chemicalCharacteristics.poisonousInd	boolean				
bol.commodityLine.chemicalCharacteristics.notOtherwiseSpecifiedInd	boolean				
bol.commodityLine.chemicalCharacteristics.limitedQuantityInd	boolean				
bol.commodityLine.chemicalCharacteristics.toxicInhalationInd	boolean				
bol.commodityLine.chemicalCharacteristics.passengerAircraftForbidInd	boolean				
bol.commodityLine.chemicalCharacteristics.commercialAircraftForbidInd	boolean				
bol.commodityLine.chemicalCharacteristics.massivePollutantInd	boolean				
bol.commodityLine.chemicalCharacteristics.oilContainedInd	boolean				
bol.commodityLine.chemicalCharacteristics.temperatureUOM	String				
bol.commodityLine.chemicalCharacteristics.flashPointTemperature	decimal				
bol.commodityLine.chemicalCharacteristics.emergencyTemperature	decimal				
bol.commodityLine.chemicalCharacteristics.controlTemperature	String				
bol.commodityLine.emergencyContactName	String				
bol.commodityLine.emergencyContactPhone	Object				Contact person's phone number

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.commodityLine.emergencyContactPhone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency		Phone Type
bol.commodityLine.emergencyContactPhone.countryCd	integer		US Country code is 1		Country code of the phone number
bol.commodityLine.emergencyContactPhone.extension	integer				Additional digits to reach a party after dialing the standard phone number.
bol.commodityLine.emergencyContactPhone.phoneNbr	String				Phone number. This may include various delimiters such as – and/or ().
bol.consignee	Object				
bol.consignee.acctInstId	String			Y	Consignee Account ID
bol.consignee.acctMAdCd	String			Y	Consignee Business key
bol.consignee.address	Object				Remit to customer address
bol.consignee.address.addressTypeCd	String		Ex: work, headquarters, admin offices, billing, etc.		What type of address it is
bol.consignee.address.name	String				Primary name
bol.consignee.address.careOfName	String				Applies to mailing address of a person, where the address is actually in another entity's name
bol.consignee.address.addressLine1	String			Y	Address that includes building number and street name
bol.consignee.address.addressLine2	String				Additional address information such as Suite number
bol.consignee.address.postOfficeBox	String				Post office box number
bol.consignee.address.cityName	String			Y	City name

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.consignee.address.stateCd	String		Ex: OR for Oregon	Y	State code
bol.consignee.address.countryCd	String		Ex: CN for Canada		Country code
bol.consignee.address.postalCd	String		97201	Y	Postal code or ZIP code
bol.consignee.address.usZip4	String				4-digit extension to the U.S. ZIP code
bol.consignee.contactInfo	Object				
bol.consignee.contactInfo.companyName	String			Y	Company name of the contact person
bol.consignee.contactInfo.email	Object				Contact email address
bol.consignee.contactInfo.email.emailAddress	String				
bol.consignee.contactInfo.email.emailTypeCd	String				
bol.consignee.contactInfo.fullName	String				Consignee's full name
bol.consignee.contactInfo.phone	Object			Y	Consignee's phone number
bol.consignee.contactInfo.phone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency		
bol.consignee.contactInfo.phone.countryCd	Integer		US is 1.		Country code of the full phone number.
bol.consignee.contactInfo.phone.extension	Integer		23		Additional digits to reach a party after dialing the standard phone number.
bol.consignee.contactInfo.phone.phoneNbr	String		503-555-5555		

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.customsBroker	Object				Customs broker name and address for international shipments. Only used for shipments that cross international borders.
bol.customsBroker.	brokerIns tld				This is an internal identifier to the customs broker that this shipment party uses for a shipment that will cross a border.
bol.customsBroker.b rokerBusinessKey					This is a business key that identifies the customs broker that this shipment party uses for a shipment that will cross a border.
bol.customsBroker.a ddress	Object				Customs broker address
bol.customsBroker.a ddress.addressType Cd	String		Ex: work, headquarters, admin offices, billing, etc.		What type of address it is
bol.customsBroker.a ddress.name	String				Primary name
bol.customsBroker.a ddress.careOfName	String				Applies to mailing address of a person, where the address is actually in another entity's name
bol.customsBroker.a ddress.addressLine 1	String				Address that includes building number and street name
bol.customsBroker.a ddress.addressLine 2	String				Additional address information such as Suite number
bol.customsBroker.a ddress.postOfficeBo x	String				Post office box number
bol.customsBroker.a ddress.cityName	String				City name
bol.customsBroker.a ddress.stateCd	String		Ex: OR for Oregon		State code
bol.customsBroker.a ddress.countryCd	String		Ex: CN for Canada		Country code
bol.customsBroker.a ddress.postalCd	String		97201		Postal code or ZIP code

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.customsBroker.address.usZip4	String				4-digit extension to the U.S. ZIP code
bol.customsBroker.contactInfo	Object				Customs broker contact information
bol.customsBroker.contactInfo.companyName	String				Custom's broker's company name
bol.customsBroker.contactInfo.email	Object				Custom's broker's email address
bol.customsBroker.contactInfo.email.emailAddr	String				
bol.customsBroker.contactInfo.email.emailTypeCd	String				
bol.customsBroker.contactInfo.fullName	String				Customs broker's full name
bol.customsBroker.contactInfo.phone	Object				
bol.customsBroker.contactInfo.phone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency		
bol.customsBroker.contactInfo.phone.countryCd	Integer		US is 1.		Country code of the full phone number.
bol.customsBroker.contactInfo.phone.extension	Integer		23		Additional digits to reach a party after dialing the standard phone number.
bol.customsBroker.contactInfo.phone.phoneNbr	String		503-555-5555		
bol.declaredValueAmount	Object				The liability of a shipment is based on the NMFC class of the shipment, but a US shipper can choose to request excess liability coverage from the carrier, for which they pay an extra charge. This field contains the shipment's total declared value as per the shipper.

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.declaredValueAmount.amt	decimal				The liability of a shipment is based on the NMFC class of the shipment, but a US shipper can choose to request excess liability coverage from the carrier, for which they pay an extra charge. This field contains the shipment's total declared value as per the shipper.
bol.declaredValueAmount.currencyCd	String				ISO 3 letter currency code
bol.declaredValueAmountPerLb	Object				For Canadian shippers only
bol.declaredValueAmountPerLb.amt	decimal				
bol.declaredValueAmountPerLb.currencyCd	String				ISO 3 letter currency code
bol.emergencyContactName	String				
bol.emergencyContactPhone	Object				
bol.emergencyContactPhone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency		
bol.emergencyContactPhone.countryCd	Integer		US is 1.		Country code of the full phone number.
bol.emergencyContactPhone.extension	Integer		23		Additional digits to reach a party after dialing the standard phone number.
bol.emergencyContactPhone.phoneNbr	String		503-555-5555		
bol.excessLiabilityChargeInit	String				If a Canadian shipper chooses to pay excess liability charges for a shipment, the shipper must provide their initials designating their agreement.
bol.pickupInfo	Object			Items marked "Y" are	If Pickup Request should also be created then supply the

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
				required for a pickup request	basic Pickup Request information
bol.pickupInfo.pkupDate	Date			Y	Date of pickup
bol.pickupInfo.pkupTime	Time			Y	Time of pickup
bol.pickupInfo.dockCloseTime	Time			Y	Time when the dock closes at the pickup location
bol.pickupInfo.contact	String			Y	Pickup contact information
bol.pickupInfo.contact.companyName	String			Y	Company name of the contact person
bol.pickupInfo.contact.email	Object				Contact email address
bol.pickupInfo.contact.email.emailAddr	String				
bol.pickupInfo.contact.email.emailTypeCd	String				
bol.pickupInfo.contact.fullName	String			Y	Contact full name
bol.pickupInfo.contact.phone	Object			Y	Contact phone number
bol.pickupInfo.contact.phone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency		
bol.pickupInfo.contact.phone.countryCd	Integer		US is 1.		Country code of the full phone number.
bol.pickupInfo.contact.phone.extension	Integer		23		Additional digits to reach a party after dialing the standard phone number.
bol.pickupInfo.contact.phone.phoneNbr	String		503-555-5555		

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.pickupInfo.pkupCallSeq	Integer				Call sequence number of the pickup request.
bol.pickupInfo.pkupCallDate	time				Date when the pickup request was called in.
bol.pickupInfo.pkupInstId	String				Unique identifier of the pickup request
bol.pickupInfo.pkupTermSic	String				ServiceCenter(SIC) responsible for the pickup
bol.proTypeCd	String				
bol.proNbr	String				Pro Number. This number can be supplied by the Shipper if they have XPO LTL supplied Pro Numbers. When input this Pro Number will be used. If not supplied and autoAssignPro is set to True then system will generate one and assign after the BoL is submitted. If not supplied and autoAssignPro is set to false then DSR will supply one.
bol.remarks	String				BOL remarks
bol.requester	Object				
bol.requester.requester	Object				
bol.requester.requester.fullName	String				Full name is a concatenation of title, first, middle and last name. This is a denorm attribute.
bol.requester.requester.firstName	String				First name of the person
bol.requester.requester.middleName	String				Either middle name or middle initial
bol.requester.requester.lastName	String				Last name or surname of the person

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.requester.requester.salutation	String		Ex: Dr. Mr., Ms., Mrs., etc.		Prefix used with the name
bol.requester.requester.title	String				Title as appropriate, including job role, professional title, etc.
bol.requester.requester.address	Object	0 to many			Various addresses for the person, including business, home, etc.
bol.requester.requester.address.addressTypeCd	String		Ex: work, headquarters, admin offices, billing, etc.		What type of address it is
bol.requester.requester.address.name	String				Primary name
bol.requester.requester.address.careOfName	String				Applies to mailing address of a person, where the address is actually in another entity's name
bol.requester.requester.address.addressLine1	String				Address that includes building number and street name
bol.requester.requester.address.addressLine2	String				Additional address information such as Suite number
bol.requester.requester.address.postOfficeBox	String				Post office box number
bol.requester.requester.address.cityName	String				City name
bol.requester.requester.address.stateCd	String		Ex: OR for Oregon		State code
bol.requester.requester.address.countryCd	String		Ex: CN for Canada		Country code
bol.requester.requester.address.postalCd	String		97201		Postal code or ZIP code
bol.requester.requester.address.usZip4	String				4-digit extension to the U.S. ZIP code
bol.requester.requester.contactInfo	Object				Email addresses, chat handles, phone numbers and preferences

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.requester.requester.contactInfo.contactFirstName	String				This field will be populated when the ContactInfo type is used as the contact reference instead of the ContactType which has full person information. If the full ContactType is present, then this field need not be populated.
bol.requester.requester.contactInfo.contactLastName	String				
bol.requester.requester.contactInfo.contactTitle	String				
bol.requester.requester.contactInfo.emailAddress	Object	0 to many			Email address to communicate with the contact.
bol.requester.requester.contactInfo.emailAddress.emailAddr	String				
bol.requester.requester.contactInfo.emailAddress.emailTypeCd	String				
bol.requester.requester.contactInfo.telephone	Object	0 to many			Full telephone number with country code, extension, etc., used to communicate with the contact person.
bol.requester.requester.contactInfo.telephone.phoneTypeCd	String				Daytime, evening, mobile, home, emergency
bol.requester.requester.contactInfo.telephone.countryCd	Integer		Ex: US country code is 1		Country code of the whole phone number
bol.requester.requester.contactInfo.telephone.extension	Integer				Additional digits to reach a party after dialing the phone number
bol.requester.requester.contactInfo.telephone.phoneNbr	String		(503)555-5555		Might include various delimiters such as – or ().
bol.requester.requester.contactInfo.chatIMAddress	Object	0 to many			IM addresses – Google chat, Microsoft, chatter, etc.
bol.requester.requester.contactInfo.chatIMAddress.name	String				

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.requester.requester.contactInfo.chatMAddress.value	String				
bol.requester.requester.contactInfo.contactWebSiteURL	Object				Web URL. Usually applies to where a contact is a non-person entity, such as a business.
bol.requester.requester.contactInfo.contactWebSiteURL.name	String				
bol.requester.requester.contactInfo.contactWebSiteURL.value	String				
bol.requester.requester.preferredLanguage	String				Preferred language that should be used to communicate with the person.
bol.requester.role	String		S = shipper, C = Consignee, 3 = Thirdparty		Role of the requestor
bol.requester.userId	String				Web customer profile ID
bol.requester.userTypeCd	String				Set to E for electronic
bol.sendBolEmail	Boolean				Indicates if the email should be sent once the BOL is created. If true then email will be sent to Requester email address
bol.shipper	Object				Shipper party address information
bol.shipper.acctInstId	String				Shipper account ID
bol.shipper.acctMadCd	String				Shipper MAD code
bol.shipper.address	Object				Shipper address information
bol.shipper.address.addressTypeCd	String		Ex: work, headquarters, admin offices, billing, etc.		What type of address it is

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.shipper.address.name	String			Y	Primary name
bol.shipper.address.careOfName	String				Applies to mailing address of a person, where the address is actually in another entity's name
bol.shipper.address.addressLine1	String			Y	Address that includes building number and street name
bol.shipper.address.addressLine2	String				Additional address information such as Suite number
bol.shipper.address.postOfficeBox	String				Post office box number
bol.shipper.address.cityName	String			Y	City name
bol.shipper.address.stateCd	String		Ex: OR for Oregon	Y	State code
bol.shipper.address.countryCd	String		Ex: CN for Canada		Country code
bol.shipper.address.postalCd	String		97201	Y	Postal code or ZIP code
bol.shipper.address.usZip4	String				4-digit extension to the U.S. ZIP code
bol.shipper.contactInfo	Object				
bol.shipper.contactInfo.companyName	String				Company name of the contact person
bol.shipper.contactInfo.email	Object				Contact email address
bol.shipper.contactInfo.email.emailAddr	String				
bol.shipper.contactInfo.email.emailTypeCd	String				

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.shipper.contactInfo.fullName	String				Full name
bol.shipper.contactInfo.phone	Object				Shipper contact phone info
bol.shipper.contactInfo.phone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency		Phone Type
bol.shipper.contactInfo.phone.countryCd	integer		US Country code is 1		Country code of the phone number
bol.shipper.contactInfo.phone.extension	integer				Additional digits to reach a party after dialing the standard phone number.
bol.shipper.contactInfo.phone.phoneNbr	String				Phone number. This may include various delimiters such as – and/or ().
bol.supRef	Object				Additional customer supplemental references included in the BOL.
bol.supRef.purchaseOrderNbr	String	0 or more			Purchase order number
bol.supRef.shipperRefNbr	String				Shipper's reference number
bol.supRef.otherRefs	Object	0 or more		Fields marked "Y" are required for "other" reference numbers	
bol.supRef.otherRefs.reference	String			Y	
bol.supRef.otherRefs.referenceDescr	String			Y	
bol.supRef.otherRefs.referenceTypeCd	String				PO, lading number, etc.
bol.supRef.otherRefs.referenceCode	String			Y	

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
autoAssignPro	Boolean		True or False		True - If Pro Number should be automatically assigned by XPO LTL. False - If manually entering the Pro or supplied by DSR

3.3 Response Elements

Element	Type	Cardinality	Valid Values or Sample Values	Description
bolInfo	Object			Bill of Lading and pickup request identification details
bolInfo.bolInstId	String			Unique identifier of the Bill of Lading
bolInfo.pkupInstId	String			Unique identifier of the pickup request
bolInfo.pkupTermnISic	String			Service Center (SIC) responsible for pickup
bolInfo.pkupCallDate	Date			Date when the pickup request was called in
bolInfo.pkupCallSeq	Integer			Call sequence number of the pickup request
bolInfo.link	Object	0 to many		Hypermedia links
bolInfo.link.rel	anyURI			A relative link to the URI
bolInfo.link.uri	anyURI			The URI to the response
bolInfo.link.method	String		GET, PUT, POST, etc.	Http method

3.4 createBillOfLading Samples

```
Request URL:
https://api.ltl.xpo.com/billoflading/1.0/billssoflading?testMode=N

Request message:
{
  "bol": {
    "requester": {
      "role": "S"
    },
    "consignee": {
      "address": {
        "careOfName": "Ace Team",
        "addressLine1": "1234 Nowhere St",
        "cityName": "Portland",
        "stateCd": "OR",
        "countryCd": "US",
        "postalCd": "97209"
      },
      "contactInfo": {
        "companyName": "Testing Co",
        "email": {
          "emailAddr": "alfred.nice@abc.com"
        }
      }
    }
  }
}
```

```
    },
    "phone": {
      "phoneNbr": "503-4506085"
    }
  }
},
"shipper": {
  "address": {
    "careOfName": "Nice Team",
    "addressLine1": "1234 Nowhere St",
    "cityName": "Portland",
    "stateCd": "SK",
    "countryCd": "CN",
    "postalCd": "S3N2A8"
  },
  "contactInfo": {
    "companyName": "Testing Co",
    "email": {
      "emailAddr": "alfred.nice@abc.com"
    },
    "phone": {
      "phoneNbr": "503-5551212"
    }
  }
},
"billToCust": {
  "address": {
    "careOfName": "Web Team",
    "addressLine1": "1234 Nowhere St",
    "cityName": "Portland",
    "stateCd": "OR",
    "countryCd": "US",
    "postalCd": "97209"
  },
  "contactInfo": {
    "companyName": "Testing Co",
    "email": {
      "emailAddr": "alfred.nice@abc.com"
    },
    "phone": {
      "phoneNbr": "503-5551212"
    }
  }
},
"commodityLine": [
  {
    "pieceCnt": 10,
    "packaging": {
      "packageCd": "PLT"
    },
    "grossWeight": {
      "weight": 100
    },
    "desc": "commodity desc",
    "nmfcClass": "100",
    "nmfcItemCd": "9999",
    "hazmatInd": true
  }
],
```

```
"remarks": "Emergency Remarks",
"emergencyContactName": "Emergency Contact Name",
"emergencyContactPhone": {
  "phoneNbr": "503-5551212"
},
  "chargeToCd": "P",
"additionalService": [
  {
    "accsrlCode": "OIP",
    "prepaidOrCollect": "P"
  }
],
"cod": {
  "paymentTypeCd": "P",
  "remit": {
    "address": {
      "name": "Testing Co",
      "careOfName": "Nice Team",
      "addressLine1": "1234 Nowhere St",
      "cityName": "Portland",
      "stateCd": "OR",
      "countryCd": "US",
      "postalCd": "97006"
    }
  },
  "remitAmount": {
    "amt": 20
  },
  "acceptCheckType": "CashiersCheck"
},
"suppRef": {
  "otherRefs": [
    {
      "referenceCode": "000",
      "reference": "Other Number",
      "referenceDescr": "Other Description",
      "referenceTypeCd": "Other"
    }
  ]
},
"pickupInfo": {
  "pkupDate": "2017-10-06T12:00:00-07:00",
  "pkupTime": "2017-10-06T12:00:00-07:00",
  "dockCloseTime": "2017-10-06T13:00:00-07:00",
  "contact": {
    "companyName": "XPO , inc",
    "fullName": "erin, yap",
    "phone": {
      "phoneNbr": "503-5551212"
    }
  }
},
"declaredValueAmt": {
  "amt": 20
},
"declaredValueAmtPerLb": {
  "amt": 20
},
"excessLiabilityChargeInit": "ABC"
},
```

```
    "autoAssignPro": true
  }

  Response message:
  {
    "code": "201",
    "transactionTimestamp": 1507669461137,
    "data": {
      "bolInfo": {
        "bolInstId": "4659194715665",
        "pkupTrmnlSic": "XRZ",
        "pkupCallDate": 1507618800000,
        "pkupCallSeq": 1
      }
    }
  }
}
```

4 updateBillOfLading

4.1 Description

This operation is used to update an existing bill of lading (BOL).

Business rules:

- If the BOL was created through XML test mode, it cannot be canceled.
- The timeframe that a A BOL can be updated is generally within minutes, although there are various factors that may affect it. A BOL cannot be updated once it is picked up.
- Consignee information must be entered: company name, address, city, state or province, postal code.
- Shipper information must be entered: company name, address, city, state or province, postal code, phone number.
- If any Bill-to information is entered, all Bill-to address information and bill-to company name must be entered.
- At least one commodity must be entered.
- Additional services (accessorials) entered may indicate whether they will be paid prepaid or collect. If not supplied, then this value will be taken from the BOL chargeToCd.
- COD details are required if COD service is requested.
- If a PRO identifier is provided, it must be a valid PRO.
- Customs Broker information is only allowed if the shipment is crossing international borders. If any broker information is provided, all broker information must be provided.

Post-conditions:

- If the operation was successful, BOL identifier information will be returned with pickup request information (if applicable). A link to access the BOL information will be returned.
- An email is sent to the requestor if "sendBolEmail" is set to true.

4.2 Request Elements

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bolInstId	String			Y	Identifier for the BOL being updated
bol	Object				Information about the Bill of Lading to be updated
bol.additionalService	Object	0 to many			Any known accessorial charges.
bol.additionalService.accsrCode	string		DCF : Container Station Delivery DID: Inside Delivery DLG: Liftgate Delivery DNC: Destination Notification DSH: Saturday or Holiday Delivery DST: Storage at Destination GUR: XPO Logistics Guaranteed OCF: Container Station Pickup OIP: Inside Pickup OLG: Origin Liftgate RSD: Residential Delivery RSO: Residential Pickup XFZ: Freezable Protection Service		
bol.additionalService.prepaidOrCollect	string		Valid values are: P or C.		If not supplied, then default to BOL Request chargeToCd. Freezable service does not designate P or C.

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.billToCust	object			If any information is entered here, Company name, and all address information must be provided.	Only one bill-to is supplied on the BOL. Until the BOL is bill-entered and the customers matched it is unknown whether the bill-to is associated with shipper or consignee.
bol.billToCust.acctInstId	String				Customer account ID
bol.billToCust.acctMAdCd	String				Customer business key
bol.billToCust.address	Object				Bill-to customer address
bol.billToCust.address.addressTypeCd	String		Ex: work, headquarters, admin offices, billing, etc.		What type of address it is
bol.billToCust.address.name	String				Primary name
bol.billToCust.address.careOfName	String				Applies to mailing address of a person, where the address is actually in another entity's name
bol.billToCust.address.addressLine1	String				Address that includes building number and street name
bol.billToCust.address.addressLine2	String				Additional address information such as Suite number
bol.billToCust.address.postOfficeBox	String				Post office box number
bol.billToCust.address.cityName	String				City name
bol.billToCust.address.stateCd	String		Ex: OR for Oregon		State code
bol.billToCust.address.countryCd	String		Ex: CN for Canada		Country code

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.billToCust.address.postalCd	String		97201		Postal code or ZIP code
bol.billToCust.address.usZip4	String				4-digit extension to the U.S. ZIP code
bol.billToCust.contactInfo	Object				
bol.billToCust.contactInfo.companyName	String				Company name of the contact person
bol.billToCust.contactInfo.email	Object				E-mail address of the contact person
bol.billToCust.contactInfo.email.emailAddr	String				
bol.billToCust.contactInfo.email.emailTypeCd	String				
bol.billToCust.contactInfo.fullName	String				Contact person's full name
bol.billToCust.contactInfo.phone	Object				Phone number
bol.billToCust.contactInfo.phone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency		Phone Type
bol.billToCust.contactInfo.phone.countryCd	integer		US Country code is 1		Country code of the phone number
bol.billToCust.contactInfo.phone.extension	integer				Additional digits to reach a party after dialing the standard phone number.
bol.billToCust.contactInfo.phoneNbr	String				Phone number. This may include various delimiters such as – and/or ().
bol.bolDateTime	dateTime				Original document date
bol.bolDocNm	String				BOL document identifier. Hybrid field containing BOL create timestamp, consignee name and Unique reference ID.

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.bolDocVer	String				Version of the BOL
bol.chargeToCd	String		P – prepaid: shipper responsible for all charges; C – collect: consignee responsible for all charges.		Identifies who is responsible for shipment charges – either the shipper or the consignee, or the responsibility may be split between both parties.
bol.cod	Object			Fields marked “Y” are required if COD is requested	COD remittance information
bol.cod.paymentTypeCd	String		Prepaid or Collect	Y	COD Fee payment type
bol.cod.remit	Object				Remit to customer information
bol.cod.remit.acctInstId	String				Remit to customer account ID
bol.cod.remit.acctMtdCd	String				Remit to customer business key
bol.cod.remit.address	Object			Y	Remit to customer address
bol.cod.remit.address.addressTypeCd	String		Ex: work, headquarters, admin offices, billing, etc.		What type of address it is
bol.cod.remit.address.name	String			Y	Primary name
bol.cod.remit.address.careOfName	String				Applies to mailing address of a person, where the address is actually in another entity’s name
bol.cod.remit.address.addressLine1	String				Address that includes building number and street name
bol.cod.remit.address.addressLine2	String				Additional address information such as Suite number

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.cod.remit.address.postOfficeBox	String				Post office box number
bol.cod.remit.address.cityName	String			Y	City name
bol.cod.remit.address.stateCd	String		Ex: OR for Oregon		State code
bol.cod.remit.address.countryCd	String		Ex: CN for Canada		Country code
bol.cod.remit.address.postalCd	String		97201		Postal code or ZIP code
bol.cod.remit.address.usZip4	String				4-digit extension to the U.S. ZIP code
bol.cod.remitAmount	Object				
bol.cod.remitAmount.amt	decimal			Y	
bol.cod.remitAmount.currencyCd	String				ISO 3 letter currency code
bol.cod.acceptCheckType	String		CustomerCheck, CertifiedCheck, CashiersCheck, MoneyOrder	Y	Type of check to be accepted
bol.commodityLine	Object	0 to many			Commodity information for the BOL including any hazmat information
bol.commodityLine.pieceCnt	integer			Y	Number of commodity items
bol.commodityLine.packaging	Object			Y	Packaging information
bol.commodityLine.packaging.packageCd	String				
bol.commodityLine.packaging.packageCd.packageWeight	Object				

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.commodityLine.packaging.packageCd.packageWeight.weight	decimal		Must be less than 100,000 lbs.	Y	
bol.commodityLine.packaging.packageCd.packageWeight.weightUom	String			Y	
bol.commodityLine.packaging.packageDimensions	Object				
bol.commodityLine.packaging.packageDimensions.length	decimal				
bol.commodityLine.packaging.packageDimensions.width	decimal				
bol.commodityLine.packaging.packageDimensions.height	decimal				
bol.commodityLine.packaging.packageDimensions.dimensionsUom	String				
bol.commodityLine.grossWeight	Object				Total weight for package and item together
bol.commodityLine.grossWeight.weight	Decimal				
bol.commodityLine.grossWeight.weightUom	String				
bol.commodityLine.tareWeight	Object				Weight of the commodity without packaging
bol.commodityLine.tareWeight.weight	decimal				
bol.commodityLine.tareWeight.weightUom	String				
bol.commodityLine.volume	Object				
bol.commodityLine.volume.volume	decimal				

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.commodityLine.volume.volumeUom	String				
bol.commodityLine.description	string			Y	Commodity description
bol.commodityLine.nmfcClass	string				
bol.commodityLine.nmfcItemCd	string			9999##-9# or 9999##	NMFC code
bol.commodityLine.freezableInd	boolean		Y = can be damaged by freezing		Indicates whether shipment requires special handling to prevent freezing during harsh weather
bol.commodityLine.hazmatInd	boolean				Indicates whether the commodity contains hazardous materials
bol.commodityLine.hazmatInfo	Object				
bol.commodityLine.hazmatInfo.countryCd	String				
bol.commodityLine.hazmatInfo.hazardousCd	String			Y for Hazmat	UN/NA Hazardous codes Identification number
bol.commodityLine.hazmatInfo.desc	String				
bol.commodityLine.chemicalCharacteristics	Object				
bol.commodityLine.chemicalCharacteristics.chemProperShippingName	String				
bol.commodityLine.chemicalCharacteristics.chemTechnicalName1	String				
bol.commodityLine.chemicalCharacteristics.chemTechnicalName2	String				
bol.commodityLine.chemicalCharacteristics	String				

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
cs.chemTechnicalName3					
bol.commodityLine.chemicalCharacteristics.classPrimary	String				
bol.commodityLine.chemicalCharacteristics.classSecondary	String				
bol.commodityLine.chemicalCharacteristics.classTertiary	String				
bol.commodityLine.chemicalCharacteristics.contentWeight	decimal				
bol.commodityLine.chemicalCharacteristics.contentWeightUOM	String				
bol.commodityLine.chemicalCharacteristics.reportableQuantityInd	boolean				
bol.commodityLine.chemicalCharacteristics.reportQuantityWeight	decimal				
bol.commodityLine.chemicalCharacteristics.reportQuantityWeightUOM	String				
bol.commodityLine.chemicalCharacteristics.packagingGroupCd	String				
bol.commodityLine.chemicalCharacteristics.specialProvision	String				
bol.commodityLine.chemicalCharacteristics.emergencyGuideBookName	String				
bol.commodityLine.chemicalCharacteristics.hotInd	boolean				
bol.commodityLine.chemicalCharacteristics.residueInd	boolean				

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.commodityLine.chemicalCharacteristics.poisonousInd	boolean				
bol.commodityLine.chemicalCharacteristics.notOtherwiseSpecifiedInd	boolean				
bol.commodityLine.chemicalCharacteristics.limitedQuantityInd	boolean				
bol.commodityLine.chemicalCharacteristics.toxicInhalationInd	boolean				
bol.commodityLine.chemicalCharacteristics.passengerAircraftForbidInd	boolean				
bol.commodityLine.chemicalCharacteristics.commercialAircraftForbidInd	boolean				
bol.commodityLine.chemicalCharacteristics.massivePollutantInd	boolean				
bol.commodityLine.chemicalCharacteristics.oilContainedInd	boolean				
bol.commodityLine.chemicalCharacteristics.temperatureUOM	String				
bol.commodityLine.chemicalCharacteristics.flashPointTemperature	decimal				
bol.commodityLine.chemicalCharacteristics.emergencyTemperature	decimal				
bol.commodityLine.chemicalCharacteristics.controlTemperature	String				
bol.commodityLine.emergencyContactName	String				
bol.commodityLine.emergencyContactPhone	Object				Contact person's phone number

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.commodityLine.emergencyContactPhone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency		Phone Type
bol.commodityLine.emergencyContactPhone.countryCd	integer		US Country code is 1		Country code of the phone number
bol.commodityLine.emergencyContactPhone.extension	integer				Additional digits to reach a party after dialing the standard phone number.
bol.commodityLine.emergencyContactPhone.phoneNbr	String				Phone number. This may include various delimiters such as – and/or ().
bol.consignee	Object				
bol.consignee.acctInstId	String				Consignee Account ID
Bol.consignee.acctMsdCd	String				Consignee Business key
bol.consignee.address	Object				Remit to customer address
bol.consignee.address.addressTypeCd	String		Ex: work, headquarters, admin offices, billing, etc.		What type of address it is
bol.consignee.address.name	String				Primary name
bol.consignee.address.careOfName	String				Applies to mailing address of a person, where the address is actually in another entity's name
bol.consignee.address.addressLine1	String			Y	Address that includes building number and street name
bol.consignee.address.addressLine2	String				Additional address information such as Suite number
bol.consignee.address.postOfficeBox	String				Post office box number
bol.consignee.address.cityName	String			Y	City name

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.consignee.address.stateCd	String		Ex: OR for Oregon	Y	State code
bol.consignee.address.countryCd	String		Ex: CN for Canada		Country code
bol.consignee.address.postalCd	String		97201	Y	Postal code or ZIP code
bol.consignee.address.usZip4	String				4-digit extension to the U.S. ZIP code
bol.consignee.contactInfo	Object				
bol.consignee.contactInfo.companyName	String			Y	Company name of the contact person
bol.consignee.contactInfo.email	Object				Contact email address
bol.consignee.contactInfo.email.emailAddress	String				
bol.consignee.contactInfo.email.emailTypeCd	String				
bol.consignee.contactInfo.fullName	String				Consignee's full name
bol.consignee.contactInfo.phone	Object			Y	Consignee's phone number
bol.consignee.contactInfo.phone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency		
bol.consignee.contactInfo.phone.countryCd	Integer		US is 1.		Country code of the full phone number.
bol.consignee.contactInfo.phone.extension	Integer		23		Additional digits to reach a party after dialing the standard phone number.
bol.consignee.contactInfo.phone.phoneNbr	String		503-555-5555		

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.customsBroker	Object				Customs broker name and address for international shipments
bol.customsBroker.	brokerInstId				This is an internal identifier to the customs broker that this shipment party uses for a shipment that will cross a border.
bol.customsBroker.brokerBusinessKey					This is a business key that identifies the customs broker that this shipment party uses for a shipment that will cross a border.
bol.customsBroker.address	Object				Customs broker address
bol.customsBroker.address.addressTypeCd	String		Ex: work, headquarters, admin offices, billing, etc.		What type of address it is
bol.customsBroker.address.name	String				Primary name
bol.customsBroker.address.careOfName	String				Applies to mailing address of a person, where the address is actually in another entity's name
bol.customsBroker.address.addressLine1	String				Address that includes building number and street name
bol.customsBroker.address.addressLine2	String				Additional address information such as Suite number
bol.customsBroker.address.postOfficeBox	String				Post office box number
bol.customsBroker.address.cityName	String				City name
bol.customsBroker.address.stateCd	String		Ex: OR for Oregon		State code
bol.customsBroker.address.countryCd	String		Ex: CA for Canada		Country code
bol.customsBroker.address.postalCd	String		97201		Postal code or ZIP code

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.customsBroker.address.usZip4	String				4-digit extension to the U.S. ZIP code
bol.customsBroker.contactInfo	Object				Customs broker contact information
bol.customsBroker.contactInfo.companyName	String				Custom's broker's company name
bol.customsBroker.contactInfo.email	Object				Custom's broker's email address
bol.customsBroker.contactInfo.email.emailAddr	String				
bol.customsBroker.contactInfo.email.emailTypeCd	String				
bol.customsBroker.contactInfo.fullName	String				Customs broker's full name
bol.customsBroker.contactInfo.phone	Object				
bol.customsBroker.contactInfo.phone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency		
bol.customsBroker.contactInfo.phone.countryCd	Integer		US is 1.		Country code of the full phone number.
bol.customsBroker.contactInfo.phone.extension	Integer		23		Additional digits to reach a party after dialing the standard phone number.
bol.customsBroker.contactInfo.phone.phoneNbr	String		503-555-5555		
bol.declaredValueAmount	Object				The liability of a shipment is based on the NMFC class of the shipment, but a US shipper can choose to request excess liability coverage from the carrier, for which they pay an extra charge. This field contains the shipment's total declared value as per the shipper.

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.declaredValueAmount.amt	decimal				The liability of a shipment is based on the NMFC class of the shipment, but a US shipper can choose to request excess liability coverage from the carrier, for which they pay an extra charge. This field contains the shipment's total declared value as per the shipper.
bol.declaredValueAmount.currencyCd	String				ISO 3 letter currency code
bol.declaredValueAmountPerLb	Object				For Canadian shippers only
bol.declaredValueAmountPerLb.amt	decimal				
bol.declaredValueAmountPerLb.currencyCd	String				ISO 3 letter currency code
bol.emergencyContactName	String				
bol.emergencyContactPhone	Object				
bol.emergencyContactPhone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency		
bol.emergencyContactPhone.countryCd	Integer		US is 1.		Country code of the full phone number.
bol.emergencyContactPhone.extension	Integer		23		Additional digits to reach a party after dialing the standard phone number.
bol.emergencyContactPhone.phoneNbr	String		503-555-5555		
bol.excessLiabilityChargeInit	String				If a Canadian shipper chooses to pay excess liability charges for a shipment, the shipper must provide their initials designating their agreement.
bol.pickupInfo	Object			Items marked "Y" are	If Pickup Request should also be created then supply the

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
				required for a pickup request	basic Pickup Request information
bol.pickupInfo.pkupDate	Date			Y	Date of pickup
bol.pickupInfo.pkupTime	Time			Y	Time of pickup
bol.pickupInfo.dockCloseTime	Time			Y	Time when the dock closes at the pickup location
bol.pickupInfo.contact	String			Y	Pickup contact information
bol.pickupInfo.contact.companyName	String			Y	Company name of the contact person
bol.pickupInfo.contact.email	Object				Contact email address
bol.pickupInfo.contact.email.emailAddr	String				
bol.pickupInfo.contact.email.emailTypeCd	String				
bol.pickupInfo.contact.fullName	String			Y	Contact full name
bol.pickupInfo.contact.phone	Object			Y	Contact phone number
bol.pickupInfo.contact.phone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency		
bol.pickupInfo.contact.phone.countryCd	Integer		US is 1.		Country code of the full phone number.
bol.pickupInfo.contact.phone.extension	Integer		23		Additional digits to reach a party after dialing the standard phone number.
bol.pickupInfo.contact.phone.phoneNbr	String		503-555-5555		

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.pickupInfo.pkupCallSeq	Integer				Call sequence number of the pickup request.
bol.pickupInfo.pkupCallDate	time				Date when the pickup request was called in.
bol.pickupInfo.pkupInstId	String				Unique identifier of the pickup request
bol.pickupInfo.pkupTermnSic	String				ServiceCenter(SIC) responsible for the pickup
bol.proTypeCd	String				
bol.proNbr	String				Pro Number. This number can be supplied by the Shipper if they have XPO LTL supplied Pro Numbers. When input this Pro Number will be used. If not supplied and autoAssignPro is set to True then system will generate one and assign after the BoL is submitted. If not supplied and autoAssignPro is set to false then DSR will supply one.
bol.remarks	String				BOL remarks
bol.requester	Object				
bol.requester.requester	Object				
bol.requester.requester.fullName	String				Full name is a concatenation of title, first, middle and last name. This is a denorm attribute.
bol.requester.requester.firstName	String				First name of the person
bol.requester.requester.middleName	String				Either middle name or middle initial
bol.requester.requester.lastName	String				Last name or surname of the person

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.requester.requester.salutation	String		Ex: Dr. Mr., Ms., Mrs., etc.		Prefix used with the name
bol.requester.requester.title	String				Title as appropriate, including job role, professional title, etc.
bol.requester.requester.address	Object	0 to many			Various addresses for the person, including business, home, etc.
bol.requester.requester.address.addressTypeCd	String		Ex: work, headquarters, admin offices, billing, etc.		What type of address it is
bol.requester.requester.address.name	String				Primary name
bol.requester.requester.address.careOfName	String				Applies to mailing address of a person, where the address is actually in another entity's name
bol.requester.requester.address.addressLine1	String				Address that includes building number and street name
bol.requester.requester.address.addressLine2	String				Additional address information such as Suite number
bol.requester.requester.address.postOfficeBox	String				Post office box number
bol.requester.requester.address.cityName	String				City name
bol.requester.requester.address.stateCd	String		Ex: OR for Oregon		State code
bol.requester.requester.address.countryCd	String		Ex: CN for Canada		Country code
bol.requester.requester.address.postalCd	String		97201		Postal code or ZIP code
bol.requester.requester.address.usZip4	String				4-digit extension to the U.S. ZIP code
bol.requester.requester.contactInfo	Object				Email addresses, chat handles, phone numbers and preferences

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.requester.requester.contactInfo.contactFirstName	String				This field will be populated when the ContactInfo type is used as the contact reference instead of the ContactType which has full person information. If the full ContactType is present, then this field need not be populated.
bol.requester.requester.contactInfo.contactLastName	String				
bol.requester.requester.contactInfo.contactTitle	String				
bol.requester.requester.contactInfo.emailAddress	Object	0 to many			Email address to communicate with the contact.
bol.requester.requester.contactInfo.emailAddress.emailAddr	String				
bol.requester.requester.contactInfo.emailAddress.emailTypeCd	String				
bol.requester.requester.contactInfo.telephone	Object	0 to many			Full telephone number with country code, extension, etc., used to communicate with the contact person.
bol.requester.requester.contactInfo.telephone.phoneTypeCd	String				Daytime, evening, mobile, home, emergency
bol.requester.requester.contactInfo.telephone.countryCd	Integer		Ex: US country code is 1		Country code of the whole phone number
bol.requester.requester.contactInfo.telephone.extension	Integer				Additional digits to reach a party after dialing the phone number
bol.requester.requester.contactInfo.telephone.phoneNbr	String		(503)555-5555		Might include various delimiters such as – or ().
bol.requester.requester.contactInfo.chatIMAddress	Object	0 to many			IM addresses – Google chat, Microsoft, chatter, etc.
bol.requester.requester.contactInfo.chatIMAddress.name	String				

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.requester.requester.contactInfo.chatMAddress.value	String				
bol.requester.requester.contactInfo.contactWebSiteURL	Object				Web URL. Usually applies to where a contact is a non-person entity, such as a business.
bol.requester.requester.contactInfo.contactWebSiteURL.name	String				
bol.requester.requester.contactInfo.contactWebSiteURL.value	String				
bol.requester.requester.preferredLanguage	String				Preferred language that should be used to communicate with the person.
bol.requester.role	String		S = shipper, C = Consignee, 3 = Thirdparty		Role of the requestor
bol.requester.userId	String				Web customer profile ID
bol.requester.userTypeCd	String				Set to E for electronic
bol.sendBolEmail	Boolean				Indicates if the email should be sent once the BOL is created. If true then email will be sent to Requester email address
bol.shipper	Object				Shipper party address information
bol.shipper.acctInstId	String				Shipper account ID
bol.shipper.acctMadCd	String				Shipper MAD code
bol.shipper.address	Object				Shipper address information
bol.shipper.address.addressTypeCd	String		Ex: work, headquarters, admin offices, billing, etc.		What type of address it is

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.shipper.address.name	String			Y	Primary name
bol.shipper.address.careOfName	String				Applies to mailing address of a person, where the address is actually in another entity's name
bol.shipper.address.addressLine1	String			Y	Address that includes building number and street name
bol.shipper.address.addressLine2	String				Additional address information such as Suite number
bol.shipper.address.postOfficeBox	String				Post office box number
bol.shipper.address.cityName	String			Y	City name
bol.shipper.address.stateCd	String		Ex: OR for Oregon	Y	State code
bol.shipper.address.countryCd	String		Ex: CN for Canada		Country code
bol.shipper.address.postalCd	String		97201	Y	Postal code or ZIP code
bol.shipper.address.usZip4	String				4-digit extension to the U.S. ZIP code
bol.shipper.contactInfo	Object				
bol.shipper.contactInfo.companyName	String				Company name of the contact person
bol.shipper.contactInfo.email	Object				Contact email address
bol.shipper.contactInfo.email.emailAddr	String				
bol.shipper.contactInfo.email.emailTypeCd	String				

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bol.shipper.contactInfo.fullName	String				Full name
bol.shipper.contactInfo.phone	Object				Shipper contact phone info
bol.shipper.contactInfo.phone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency		Phone Type
bol.shipper.contactInfo.phone.countryCd	integer		US Country code is 1		Country code of the phone number
bol.shipper.contactInfo.phone.extension	integer				Additional digits to reach a party after dialing the standard phone number.
bol.shipper.contactInfo.phone.phoneNbr	String				Phone number. This may include various delimiters such as – and/or ().
bol.supRef	Object				Additional customer supplemental references included in the BOL.
bol.supRef.purchaseOrderNbr	String	0 or more			Purchase order number
bol.supRef.shipperRefNbr	String				Shipper's reference number
bol.supRef.otherRefs	Object	0 or more		Fields marked "Y" are required for "other" reference numbers	
bol.supRef.otherRefs.reference	String			Y	
bol.supRef.otherRefs.referenceDescr	String			Y	
bol.supRef.otherRefs.referenceTypeCd	String				PO, lading number, etc.
bol.supRef.otherRefs.referenceCode	String			Y	

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
autoAssignPro	Boolean		True or False		True - If Pro Number should be automatically assigned by XPO LTL. False - If manually entering the Pro or supplied by DSR

4.3 Response Elements

Element	Type	Cardinality	Valid Values or Sample Values	Description
bolInfo	Object			Bill of Lading and pickup request identification details
bolInfo.bolInstId	String			Unique identifier of the Bill of Lading
bolInfo.pkupInstId	String			Unique identifier of the pickup request
bolInfo.pkupTermnlSic	String			Service Center (SIC) responsible for pickup
bolInfo.pkupCallDate	Date			Date when the pickup request was called in
bolInfo.pkupCallSeq	Integer			Call sequence number of the pickup request
bolInfo.link	Object	0 to many		Hypermedia links
bolInfo.link.rel	anyURI			A relative link to the URI
bolInfo.link.uri	anyURI			The URI to the response
bolInfo.link.method	String		GET, PUT, POST, etc.	Http method

4.4 updateBillOfLading Samples

```

Request URL:
https://api.ltl.xpo.com/billoflading/1.0/billsoflading/4647997373795?testMode=N

Request message:
{
  "bol": {
    "bolInstId": 4659211460970,
    "requester": {
      "role": "S"
    },
    "consignee": {
      "address": {
        "careOfName": "Web Team",
        "addressLine1": "1234 Nowhere St",
        "addressLine2": "Apt301",
        "cityName": "Portland",
        "stateCd": "OR",
        "countryCd": "US",
        "postalCd": "97209"
      },
      "contactInfo": {
        "companyName": "Testing Co",

```

```
        "email": {
          "emailAddr": "alfred.nice@abc.com"
        },
        "phone": {
          "phoneNbr": "503-5551212"
        }
      }
    },
    "shipper": {
      "address": {
        "careOfName": "Web Team",
        "addressLine1": "1234 Nowhere St",
        "cityName": "Portland",
        "stateCd": "OR",
        "countryCd": "US",
        "postalCd": "97209"
      },
      "contactInfo": {
        "companyName": "Testing Co",
        "email": {
          "emailAddr": "alfred.nice@abc.com"
        },
        "phone": {
          "phoneNbr": "503-5551212"
        }
      }
    },
    "billToCust": {
      "address": {
        "careOfName": "Web Team",
        "addressLine1": "1234 Nowhere St",
        "cityName": "Portland",
        "stateCd": "OR",
        "countryCd": "US",
        "postalCd": "97209"
      },
      "contactInfo": {
        "companyName": "Testing Co",
        "email": {
          "emailAddr": "alfred.nice@abc.com"
        },
        "phone": {
          "phoneNbr": "503-5551212"
        }
      }
    },
    "commodityLine": [
      {
        "pieceCnt": 9999,
        "packaging": {
          "packageCd": "PLT"
        },
        "grossWeight": {
          "weight": 99999
        }
      },
      {
        "desc": "commodity desc",
        "nmfcClass": "100",
        "nmfcItemCd": "",
        "hazmatInd": false
      }
    ]
  }
}
```

```
    }
  ],
  "remarks": "Emergency Remarks",
  "emergencyContactName": "Emergency Contact Name",
  "emergencyContactPhone": {
    "phoneNbr": "503-5551212`"
  },
  "chargeToCd": "P",
  "additionalService": [
    {
      "accsrlCode": "GUR",
      "prepaidOrCollect": "P"
    }
  ],
  "cod": {
    "paymentTypeCd": "P",
    "remit": {
      "address": {
        "name": "Testing Co",
        "careOfName": "Web Team",
        "addressLine1": "1234 Nowhere St",
        "cityName": "Portland",
        "stateCd": "OR",
        "countryCd": "US",
        "postalCd": "97209"
      }
    },
    "remitAmount": {
      "amt": 20
    },
    "acceptCheckType": "CashiersCheck"
  },
  "suppRef": {
    "otherRefs": [
      {
        "referenceCode": "000",
        "reference": "Other Number",
        "referenceDescr": "Other Description",
        "referenceTypeCd": "Other"
      },
      {
        "reference": "Shipper Number",
        "referenceTypeCd": "ShippersNumber"
      },
      {
        "reference": "Purchase Number",
        "referenceTypeCd": "PurchaseOrder"
      }
    ]
  },
  "pickupInfo": {
    "pkupDate": "2017-10-27T12:00:00-07:00",
    "pkupTime": "2017-10-27T12:00:00-07:00",
    "dockCloseTime": "2017-10-27T13:00:00-07:00",
    "contact": {
      "companyName": "ABC inc",
      "fullName": "eric, j yap",
      "phone": {
        "phoneNbr": "503-9879999"
      }
    }
  }
}
```

```

    },
    "declaredValueAmt": {
      "amt": 20
    },
    "declaredValueAmtPerLb": {
      "amt": 20
    },
    "excessLiabilityChargeInit": "SC"
  },
  "autoAssignPro": false
}

Response message:
{
  "code": "200",
  "transactionTimestamp": 1507671179849,
  "data": {
    "bolInfo": {
      "bolInstId": "4659219960970"
    }
  }
}
}

```

5 cancelBillOfLading

5.1 Description

This operation is used to remove a bill of lading from your records. This operation is typically used for removing BOLs that are not expected to be used.

Business rules:

- A BOL cannot be canceled once it is picked up.
- If a BOL was created as part of a pickup request, the BOL cannot be canceled. Please cancel the pickup request instead.
- If the BOL was created through XML test mode, it cannot be canceled.
- Identifier for the bill of lading (bolInstId) must be entered.

Post-conditions:

- The BOL will not be available for viewing
- Standard success or fail status code will be received.

5.2 Request Elements

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bolInstId	String			Y	Identifier for the BOL being cancelled.
requesterId	String				Registered user identifier

5.3 CancelBillOfLading Samples

5.3.1 Standard cancel Bill of Lading

```

Request URL:
https://api.ltl.xpo.com/billoflading/1.0/billsoflading/4647997373795/cancel?testMode=N

Request message:
{
  "bolInstId": "4647997373795"
}

Response message:
{
  "code": "200",
  "transactionTimestamp": 1507675675146
}

```

6 GetBillOfLading

6.1 Description

This operation retrieves details for a given Bill of Lading identifier (bolInstancelid).

Mandatory data includes:

- A valid bolInstId.

Post-conditions:

- If the input data is valid and the Bill of Lading record exists, the system will send back the Bill of Lading data in the response.
- If the Bill of Lading doesn't exist for the input identifier, the system will return an error message.

6.2 Request Elements

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bolInstId	String			Y	The Bill of Lading Identifier

6.3 Response Elements

Element	Type	Cardinality	Valid Values or Sample Values	Description
billOfLading	Object	0 or more		
billOfLading.additionalService	Object	0 or more		Any known accessorial charges
billOfLading.additionalService.accessorialCode	string		DCF : Container Station Delivery DID: Inside Delivery DLG: Liftgate Delivery DNC: Destination Notification DSH: Saturday or Holiday Delivery DST: Storage at Destination GUR: XPO Logistics Guaranteed OCF: Container Station Pickup OIP: Inside Pickup OLG: Origin Liftgate RSD: Residential Delivery RSO: Residential Pickup XFZ: Freezable Protection Service	Service Accessorial Code
billOfLading.additionalService.prepaidOrCollect	String		valid values are: P or C. If not supplied, then default to BOL Request chargeToCd	Prepaid or collect charges.
billOfLading.billToCustomer	object			

Element	Type	Cardinality	Valid Values or Sample Values	Description
billOfLading.billToCustomer.acctInstId	String			
billOfLading.billToCustomer.acctMadCd	String			
billOfLading.billToCustomer.address	Object			
billOfLading.billToCustomer.address.addressTypeCd	String		Ex: work, headquarters, admin offices, billing, etc.	
billOfLading.billToCustomer.address.name	String			
billOfLading.billToCustomer.address.careOfName	String			
billOfLading.billToCustomer.address.addressLine1	String			Includes building number and street name
billOfLading.billToCustomer.address.addressLine2	String			Includes other location information such as suite number
billOfLading.billToCustomer.postOfficeBox	String			
billOfLading.billToCustomer.cityName	String			
billOfLading.billToCustomer.stateCd	String		Ex: OR for Oregon	
billOfLading.billToCustomer.countryCd	String		Ex: CN for Canada	
billOfLading.billToCustomer.postalCd	String		97201	
billOfLading.billToCustomer.usZip4	String			
billOfLading.contactInfo	Object			

Element	Type	Cardinality	Valid Values or Sample Values	Description
billOfLading.billToCustomer.contactInfo.companyName	String			
billOfLading.billToCustomer.contactInfo.email	Object			
billOfLading.billToCustomer.contactInfo.email.emailAddr	String			
billOfLading.billToCustomer.contactInfo.email.emailTypeCd	String			
billOfLading.billToCustomer.contactInfo.fullName	String			
billOfLading.billToCustomer.contactInfo.phone	Object			
billOfLading.billToCustomer.contactInfo.phone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency	
billOfLading.billToCustomer.contactInfo.phone.countryCd	String		US Country code is 1	
billOfLading.billToCustomer.contactInfo.phone.extension	String			
billOfLading.billToCustomer.contactInfo.phoneNbr	String			
billOfLading.bolDateTime	Date Time			Original document date
billOfLading.bolDocNm	String			
billOfLading.bolDocVer	String			
billOfLading.bolInstId	String			
billOfLading.chargeTypeCd	String		P – prepaid: shipper responsible for all charges; C – collect:	

Element	Type	Cardinality	Valid Values or Sample Values	Description
			consignee responsible for all charges.	
billOfLading.cod	Object			
billOfLading.cod.paymentTypeCd	String			
billOfLading.cod.rem it	Object			
billOfLading.cod.rem it.acctInstId	String			
billOfLading.cod.rem it.acctMadCd	String			
billOfLading.cod.rem it.address	Object			
billOfLading.cod.rem it.address.addressTypeCd	String		Ex: work, headquarters, admin offices, billing, etc.	
billOfLading.cod.rem it.address.name	String			
billOfLading.cod.rem it.address.careOfName	String			
billOfLading.cod.rem it.address.addressLine1	String			
billOfLading.cod.rem it.address.addressLine2.	String			
billOfLading.cod.rem it.address.postOfficeBox	String			
billOfLading.cod.rem it.address.cityName	String		Portland	The city name part of the address
billOfLading.cod.rem it.address.stateCd	String		Ex: OR for Oregon	The standard postal abbreviation for the state.

Element	Type	Cardinality	Valid Values or Sample Values	Description
billOfLading.cod.rem it.address.countryCd	String		Ex: CN for Canada	The standard postal abbreviation for the country.
billOfLading.cod.rem it.address.postalCd	String			
billOfLading.cod.rem it.address.usZip4	String			
billOfLading.cod.rem itAmount	Object			
billOfLading.cod.rem itAmount.amt	decimal			
billOfLading.cod.rem itAmount.currencyCd	String			
billOfLading.cod.acceptCheckType	String		CustomerCheck, CertifiedCheck, CashiersCheck, MoneyOrder	
billOfLading.cod.commodityLine	Object	0 to many		
billOfLading.cod.commodityLine.pieceCount	Integer			The number of loose pieces from the commodity items.
billOfLading.cod.commodityLine.packaging	Object			
billOfLading.cod.commodityLine.packaging.packageCd	String			
billOfLading.cod.commodityLine.packaging.packageCd.packageWeight	Object			
billOfLading.cod.commodityLine.packaging.packageCd.packageWeight.weight	Decimal		500	The numeric weight.
billOfLading.cod.commodityLine.packaging.packageCd.packageWeight.weightUom	String		LBS	The unit of measurement for the weight (LBS or KGS). Default is LBS

Element	Type	Cardinality	Valid Values or Sample Values	Description
billOfLading.cod.commodityLine.packaging.packageDimensions	Object			
billOfLading.cod.commodityLine.packaging.packageDimensions.length	Decimal			***not used ***
billOfLading.cod.commodityLine.packaging.packageDimensions.width	Decimal			***not used ***
billOfLading.cod.commodityLine.packaging.packageDimensions.height	Decimal			***not used ***
billOfLading.cod.commodityLine.packaging.packageDimensions.dimensionsUom	String			***not used ***
billOfLading.cod.commodityLine.grossWeight	Object			
billOfLading.cod.commodityLine.grossWeight.weight	Decimal		500	The numeric weight
billOfLading.cod.commodityLine.grossWeight.weightUom	String		LBS	The unit of measurement for the weight (LBS or KGS). Default is LBS
billOfLading.cod.commodityLine.tareWeight	Object			
billOfLading.cod.commodityLine.tareWeight.weight	Decimal		500	The numeric weight of the commodity without packaging.
billOfLading.cod.commodityLine.tareWeight.	String		LBS	The unit of measurement for the weight (LBS or KGS). Default is LBS
billOfLading.cod.commodityLine.volume	Object			
billOfLading.cod.commodityLine.volume.volume	Decimal			***not used ***
billOfLading.cod.commodityLine.volume.volumeUOM	String			***not used ***

Element	Type	Cardinality	Valid Values or Sample Values	Description
billOfLading.cod.commodityLine.desc	String			
billOfLading.cod.commodityLine.nmfcClass	String			
billOfLading.cod.commodityLine.nmfcitemCd	String			
billOfLading.cod.commodityLine.freezeableInd	Boolean		Y = can be damaged by freezing	Indicates whether the shipment requires special handling to prevent freezing during harsh weather
billOfLading.cod.commodityLine.hazmatInd	Boolean			Indicates whether a hazardous material commodity is being carried on a shipment.
billOfLading.cod.commodityLine.hazmatInfo	Object			
billOfLading.cod.commodityLine.hazmatInfo.countryCd	String		US	The standard postal abbreviation for the country
billOfLading.cod.commodityLine.hazmatInfo.hazardousCd	String		UN/NA	Hazardous codes
billOfLading.cod.commodityLine.hazmatInfo.desc	String			
billOfLading.cod.commodityLine.chemicalCharacteristics	Object			
billOfLading.cod.commodityLine.chemicalCharacteristics.chemProperShippingName	String			
billOfLading.cod.commodityLine.chemicalCharacteristics.chemTechnicalName1	String			
billOfLading.cod.commodityLine.chemicalCharacteristics.chemTechnicalName2	String			
billOfLading.cod.commodityLine.chemicalCharacteristics.chemTechnicalName3	String			

Element	Type	Cardinality	Valid Values or Sample Values	Description
billOfLading.commodityLine.chemicalCharacteristics.classPrimary	String			
billOfLading.commodityLine.chemicalCharacteristics.classSecondary	String			
billOfLading.commodityLine.chemicalCharacteristics.classTertiary	String			
billOfLading.commodityLine.chemicalCharacteristics.contentWeight	Decimal			
billOfLading.commodityLine.chemicalCharacteristics.contentWeightUOM	String			
billOfLading.commodityLine.chemicalCharacteristics.reportableQuantityInd	boolean			
billOfLading.commodityLine.chemicalCharacteristics.reportQuantityWeight	decimal			
billOfLading.commodityLine.chemicalCharacteristics.reportQuantityWeightUOM	String			
billOfLading.commodityLine.chemicalCharacteristics.packagingGroupCd	String			
billOfLading.commodityLine.chemicalCharacteristics.specialProvision	String			
billOfLading.commodityLine.chemicalCharacteristics.emergencyGuideBookName	String			
billOfLading.commodityLine.chemicalCharacteristics.hotInd	boolean			
billOfLading.commodityLine.chemicalCharacteristics.residueInd	boolean			

Element	Type	Cardinality	Valid Values or Sample Values	Description
billOfLading.commodityLine.chemicalCharacteristics.poisonousInd	boolean			
billOfLading.commodityLine.chemicalCharacteristics.notOtherwiseSpecifiedInd	boolean			
billOfLading.commodityLine.chemicalCharacteristics.limitedQuantityInd	boolean			
billOfLading.commodityLine.chemicalCharacteristics.toxicInhalationInd	boolean			
billOfLading.commodityLine.chemicalCharacteristics.passengerAircraftForbidInd	boolean			
billOfLading.commodityLine.chemicalCharacteristics.commercialAircraftForbidInd	boolean			
billOfLading.commodityLine.chemicalCharacteristics.massivePollutantInd	boolean			
billOfLading.commodityLine.chemicalCharacteristics.oilContainedInd	boolean			
billOfLading.commodityLine.chemicalCharacteristics.temperatureUOM	String			
billOfLading.commodityLine.chemicalCharacteristics.flashPointTemperature	decimal			
billOfLading.commodityLine.chemicalCharacteristics.emergencyTemperature	decimal			
billOfLading.commodityLine.chemicalCharacteristics.controlTemperature	String			
billOfLading.commodityLine.emergencyContactName	String			

Element	Type	Cardinality	Valid Values or Sample Values	Description
billOfLading.commodityLine.emergencyContactPhone	Object			Contact person's phone number
billOfLading.commodityLine.emergencyContactPhone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency	Phone Type
billOfLading.commodityLine.emergencyContactPhone.countryCd	integer		US Country code is 1	Country code of the phone number
billOfLading.commodityLine.emergencyContactPhone.extension	integer		Additional digits to reach a party after dialing the standard phone number.	
billOfLading.commodityLine.emergencyContactPhone.phoneNbr	String			Phone number. This may include various delimiters such as – and/or ().
billOfLading.cod.consignee	Object			
billOfLading.cod.consignee.acctInstId	String			Consignee Account ID
billOfLading.cod.consignee.acctMadCd	String			Consignee Business key
billOfLading.consignee.address	Object			Remit to customer address
billOfLading.consignee.address.addressTypeCd	String		Ex: work, headquarters, admin offices, billing, etc.	What type of address it is
billOfLading.consignee.address.name	String			Primary name
billOfLading.consignee.address.careOfName	String			Applies to mailing address of a person, where the address is actually in another entity's name
billOfLading.consignee.address.addressLine1	String			Address that includes building number and street name

Element	Type	Cardinality	Valid Values or Sample Values	Description
billOfLading.consignee.address.addressLine2	String			Additional address information such as Suite number
billOfLading.consignee.address.postOfficeBox	String			Post office box number
billOfLading.consignee.address.cityName	String			City name
billOfLading.consignee.address.stateCd	String		Ex: OR for Oregon	State code
billOfLading.consignee.address.countryCd	String		Ex: CN for Canada	Country code
billOfLading.consignee.address.postalCd	String		97201	Postal code or ZIP code
billOfLading.consignee.address.usZip4	String			4-digit extension to the U.S. ZIP code
billOfLading.consignee.contactInfo	Object			
billOfLading.consignee.contactInfo.companyName	String			Company name of the contact person
billOfLading.consignee.contactInfo.email	Object			Contact email address
billOfLading.consignee.contactInfo.email.emailAddr	String			
billOfLading.consignee.contactInfo.email.emailTypeCd	String			
billOfLading.consignee.contactInfo.fullName	String			Consignee's full name
billOfLading.consignee.contactInfo.phone	Object			Consignee's phone number
billOfLading.consignee.contactInfo.phone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency	

Element	Type	Cardinality	Valid Values or Sample Values	Description
billOfLading.consignee.contactInfo.phone.countryCd	Integer		US is 1.	Country code of the full phone number.
billOfLading.consignee.contactInfo.phone.extension	Integer		23	Additional digits to reach a party after dialing the standard phone number.
billOfLading.consignee.contactInfo.phone.phoneNbr	String		503-555-5555	
billOfLading.customsBroker	Object			Customs broker name and address for international shipments
billOfLading.customsBroker.brokerInstld	String			This is an internal identifier to the customs broker that this shipment party uses for a shipment that will cross a border.
billOfLading.customsBroker.brokerBusinessKey	String			This is a business key that identifies the customs broker that this shipment party uses for a shipment that will cross a border.
billOfLading.customsBroker.address	Object			Customs broker address
billOfLading.customsBroker.address.addressTypeCd	String		Ex: work, headquarters, admin offices, billing, etc.	What type of address it is
billOfLading.customsBroker.address.name	String			Primary name
billOfLading.customsBroker.address.careOfName	String			Applies to mailing address of a person, where the address is actually in another entity's name
billOfLading.customsBroker.address.addressLine1	String			Address that includes building number and street name
billOfLading.customsBroker.address.addressLine2	String			Additional address information such as Suite number
billOfLading.customsBroker.address.postOfficeBox	String			Post office box number
billOfLading.customsBroker.address.cityName	String			City name

Element	Type	Cardinality	Valid Values or Sample Values	Description
billOfLading.customsBroker.address.stateCd	String		Ex: OR for Oregon	State code
billOfLading.customsBroker.address.countryCd	String		Ex: CN for Canada	Country code
billOfLading.customsBroker.address.postalCd	String		97201	Postal code or ZIP code
billOfLading.customsBroker.address.usZip4	String			4-digit extension to the U.S. ZIP code
billOfLading.customsBroker.contactInfo	Object			Customs broker contact information
billOfLading.customsBroker.contactInfo.companyName	String			Custom's broker's company name
billOfLading.customsBroker.contactInfo.email	Object			Custom's broker's email address
billOfLading.customsBroker.contactInfo.email.emailAddr	String			
billOfLading.customsBroker.contactInfo.email.emaiTypeCd	String			
billOfLading.customsBroker.contactInfo.fullName	String			Customs broker's full name
billOfLading.customsBroker.contactInfo.phone	Object			
billOfLading.customsBroker.contactInfo.phone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency	
billOfLading.customsBroker.contactInfo.phone.countryCd	Integer		US is 1.	Country code of the full phone number.
billOfLading.customsBroker.contactInfo.phone.extension	Integer		23	Additional digits to reach a party after dialing the standard phone number.
billOfLading.customsBroker.contactInfo.phone.phoneNbr	String		503-555-5555	

Element	Type	Cardinality	Valid Values or Sample Values	Description
billOfLading.declaredValueAmount	Object			The liability of a shipment is based on the NMFC class of the shipment, but a US shipper can choose to request excess liability coverage from the carrier, for which they pay an extra charge. This field contains the shipment's total declared value as per the shipper.
billOfLading.declaredValueAmount.amt	decimal			The liability of a shipment is based on the NMFC class of the shipment, but a US shipper can choose to request excess liability coverage from the carrier, for which they pay an extra charge. This field contains the shipment's total declared value as per the shipper.
billOfLading.declaredValueAmount.currencyCd	String			ISO 3 letter currency code
billOfLading.declaredValueAmtPerLb	Object			For Canadian shippers only
billOfLading.declaredValueAmountPerLb.amt	decimal			
billOfLading.declaredValueAmtPerLb.currencyCd	String			ISO 3 letter currency code
billOfLading.emergencyContactName	String			
billOfLading.emergencyContactPhone	Object			
billOfLading.emergencyContactPhone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency	
billOfLading.emergencyContactPhone.countryCd	Integer		US is 1.	Country code of the full phone number.
billOfLading.emergencyContactPhone.extension	Integer		23	Additional digits to reach a party after dialing the standard phone number.

Element	Type	Cardinality	Valid Values or Sample Values	Description
billOfLading.emergencyContactPhoneNumberNbr	String		503-555-5555	
billOfLading.excessLiabilityChargeInit	String			If a Canadian shipper chooses to pay excess liability charges for a shipment, the shipper must provide their initials designating their agreement.
billOfLading.pickupInfo	Object			If Pickup Request should also be created then supply the basic Pickup Request information
billOfLading.pickupInfo.pkupDate	Date			Date of pickup
billOfLading.pickupInfo.pkupTime	Time			Time of pickup
billOfLading.pickupInfo.dockCloseTime	Time			Time when the dock closes at the pickup location
billOfLading.pickupInfo.contact	String			Pickup contact information
billOfLading.pickupInfo.contact.companyName	String			Company name of the contact person
billOfLading.pickupInfo.contact.email	Object			Contact email address
billOfLading.pickupInfo.contact.email.emailAddr	String			
billOfLading.pickupInfo.contact.email.emailTypeCd	String			
billOfLading.pickupInfo.contact.fullName	String			Contact full name
billOfLading.pickupInfo.contact.phone	Object			Contact phone number
billOfLading.pickupInfo.contact.phone.phoneNumberTypeCd	String		Daytime, Evening, Mobile, Home, Emergency	

Element	Type	Cardinality	Valid Values or Sample Values	Description
billOfLading.pickupInfo.contact.phone.countryCd	Integer		US is 1.	Country code of the full phone number.
billOfLading.pickupInfo.contact.phone.extension	Integer		23	Additional digits to reach a party after dialing the standard phone number.
billOfLading.pickupInfo.contact.phone.phoneNbr	String		503-555-5555	
billOfLading.pickupInfo.pkupCallSeq	Integer			Call sequence number of the pickup request.
billOfLading.pickupInfo.pkupCallDate	time			Date when the pickup request was called in.
billOfLading.pickupInfo.pkupInstId	String			Unique identifier of the pickup request
billOfLading.pickupInfo.pkupTrmnlSic	String			ServiceCenter(SIC) responsible for the pickup
billOfLading.proTypeCd	String			
billOfLading.proNbr	String			Pro Number.
billOfLading.remarks	String			BOL remarks
billOfLading.requester	Object			
billOfLading.requester.requester	Object			
billOfLading.requester.requester.fullName	String			Full name is a concatenation of title, first, middle and last name. This is a denorm attribute.
billOfLading.requester.requester.firstName	String			First name of the person
billOfLading.requester.requester.middleName	String			Either middle name or middle initial

Element	Type	Cardinality	Valid Values or Sample Values	Description
billOfLading.requester.requester.lastName	String			Last name or surname of the person
billOfLading.requester.requester.salutation	String		Ex: Dr. Mr., Ms., Mrs., etc.	Prefix used with the name
billOfLading.requester.requester.title	String			Title as appropriate, including job role, professional title, etc.
billOfLading.requester.requester.address	Object	0 to many		Various addresses for the person, including business, home, etc.
billOfLading.requester.requester.address.addressTypeCd	String		Ex: work, headquarters, admin offices, billing, etc.	What type of address it is
billOfLading.requester.requester.address.name	String			Primary name
billOfLading.requester.requester.address.careOfName	String			Applies to mailing address of a person, where the address is actually in another entity's name
billOfLading.requester.requester.address.addressLine1	String			Address that includes building number and street name
billOfLading.requester.requester.address.addressLine2	String			Additional address information such as Suite number
billOfLading.requester.requester.address.postOfficeBox	String			Post office box number
billOfLading.requester.requester.address.cityName	String			City name
billOfLading.requester.requester.address.stateCd	String		Ex: OR for Oregon	State code
billOfLading.requester.requester.address.countryCd	String		Ex: CN for Canada	Country code
billOfLading.shipper.address.postalCd	String		97201	Postal code or ZIP code
billOfLading.shipper.address.usZip4	String			4-digit extension to the U.S. ZIP code

Element	Type	Cardinality	Valid Values or Sample Values	Description
billOfLading.shipper.contactInfo	Object			
billOfLading.shipper.contactInfo.companyName	String			Company name of the contact person
billOfLading.shipper.contactInfo.email	Object			Contact email address
billOfLading.shipper.contactInfo.email.emailAddr	String			
billOfLading.shipper.contactInfo.email.typeCd	String			
billOfLading.shipper.contactInfo.fullName	String			Full name
billOfLading.shipper.contactInfo.phone	Object			Shipper contact phone info
billOfLading.shipper.contactInfo.phone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency	Phone Type
billOfLading.shipper.contactInfo.phone.countryCd	integer		US Country code is 1	Country code of the phone number
billOfLading.shipper.contactInfo.phone.extension	integer			Additional digits to reach a party after dialing the standard phone number.
billOfLading.shipper.contactInfo.phone.phoneNbr	String			Phone number. This may include various delimiters such as – and/or ().
billOfLading.suppRef	Object			Additional customer supplemental references included in the BOL.
billOfLading.suppRef.purchaseOrderNbr	String	0 or more		Purchase order number
billOfLading.suppRef.shippersRefNbr	String			Shipper's reference number
billOfLading.suppRef.otherRefs	Object	0 or more		

Element	Type	Cardinality	Valid Values or Sample Values	Description
billOfLading.suppRef.otherRefs.reference	String			
billOfLading.suppRef.otherRefs.referenceDescr	String			
billOfLading.suppRef.otherRefs.referenceTypeCd	String			PO, lading number, etc.
billOfLading.suppRef.otherRefs.referenceCode	String			
autoAssignPro	Boolean		True or False	True - If Pro Number should be automatically assigned by XPO LTL. False - If manually entering the Pro or supplied by DSR

6.4 getBillOfLading Samples

Request URL:

<https://api.ltl.xpo.com/billoflading/1.0/billoflading/4654050586413/requester?testMode=N>

Response message:

```
{
  "code": "200",
  "transactionTimestamp": 1507227085492,
  "data": {
    "billOfLading": {
      "additionalService": [
        {
          "accsrlCode": "OIP",
          "prepaidOrCollect": "P"
        }
      ],
      "billToCust": {
        "acctInstId": "0",
        "address": {
          "careOfName": "Web Team",
          "addressLine1": "1234 Nowhere St",
          "cityName": "Portland",
          "stateCd": "OR",
          "countryCd": "US",
          "postalCd": "97209",
          "usZip4": ""
        }
      },
      "contactInfo": {
        "companyName": "Testing Co",
        "email": {
          "emailAddr": "alfred.nice@abc.com"
        },
        "phone": {
          "phoneNbr": "503-5551212"
        }
      }
    },
    "bollInstId": "4654050586413",
    "chargeToCd": "P",
    "cod": {
      "paymentTypeCd": "P",
      "remit": {
        "address": {
          "name": "Testing Co",
          "careOfName": "Web Team",
          "addressLine1": "1234 Nowhere St",
          "cityName": "Portland",
          "stateCd": "OR",
          "countryCd": "US",
          "postalCd": "97006",
          "usZip4": ""
        }
      }
    }
  }
}
```

```
    },
    "remitAmount": {
      "amt": 20
    },
    "acceptCheckType": "CashiersCheck"
  },
  "commodityLine": [
    {
      "pieceCnt": 10,
      "packaging": {
        "packageCd": "PLT"
      },
      "grossWeight": {
        "weight": 100
      },
      "desc": "commodity desc",
      "nmfcClass": "100",
      "nmfcItemCd": "9999",
      "hazmatInd": true
    }
  ],
  "consignee": {
    "acctInstId": "0",
    "address": {
      "careOfName": "Web Team",
      "addressLine1": "1234 Nowhere St",
      "cityName": "Portland",
      "stateCd": "OR",
      "countryCd": "US",
      "postalCd": "97209",
      "usZip4": ""
    },
    "contactInfo": {
      "companyName": "Testing Co",
      "email": {
        "emailAddr": "alfred.nice@abc.com"
      },
      "phone": {
        "phoneNbr": "503-4506085"
      }
    }
  },
  "customsBroker": {
    "address": {
      "careOfName": "",
      "addressLine1": "",
      "cityName": "",
      "stateCd": "",
      "countryCd": "US",
      "postalCd": "",
      "usZip4": ""
    },
    "contactInfo": {
      "companyName": "",

```

```
        "email": {
            "emailAddr": ""
        },
        "phone": {
            "phoneNbr": ""
        }
    },
    "declaredValueAmt": {
        "amt": 20
    },
    "declaredValueAmtPerLb": {
        "amt": 20
    },
    "emergencyContactName": "Emergency Contact Name",
    "emergencyContactPhone": {
        "extension": 0,
        "phoneNbr": "503-5551212"
    },
    "excessLiabilityChargeInit": "ABC",
    "pickupInfo": {
        "contact": {
            "companyName": "XPO , inc",
            "fullName": "eric, jc b yao",
            "phone": {
                "phoneNbr": "503-9879999"
            }
        }
    },
    "proNbr": "",
    "requester": {
        "requester": {
            "fullName": "eric, jc b yao",
            "address": [
                {
                    "name": "XPO , inc",
                    "addressLine1": "123 main st unit 99 "
                }
            ],
            "contactInfo": {
                "emailAddress": [
                    {
                        "emailAddr": "yi.yao@abc.com"
                    }
                ],
                "telephone": [
                    {
                        "phoneNbr": "503-5551212"
                    }
                ]
            }
        }
    },
    "role": "S"
},
```

```
"shipper": {
  "acctInstId": "0",
  "address": {
    "careOfName": "Web Team",
    "addressLine1": "1234 Nowhere St",
    "cityName": "Portland",
    "stateCd": "OR",
    "countryCd": "US",
    "postalCd": "97209",
    "usZip4": ""
  },
  "contactInfo": {
    "companyName": "Testing Co",
    "email": {
      "emailAddr": "alfred.nice@abc.com"
    },
    "phone": {
      "phoneNbr": "503-5551212"
    }
  },
  "suppRef": {
    "otherRefs": [
      {
        "referenceCode": "OOO",
        "reference": "OTHER NUMBER",
        "referenceDescr": "Other Description",
        "referenceTypeCd": "other"
      }
    ]
  }
}
```

7 ListSubmittedBillsOfLading

7.1 Description

This operation request message to retrieve a list of Bills of Lading for a given requester id.

Mandatory data includes:

- Requester Id

Business Rules:

N/A

Postconditions:

- The system returns a list of the customer's bills of lading, according to the fields requested by the customer. See getBillOfLading for the fields available in the response.

7.2 Request Elements

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
requesterId	String			Y	Registered user identifier.
listInfo	Object				
listInfo.numberOfRows	Integer		5		Page size---number of rows
listInfo.startAt	Integer		1		Start at row number.
listInfo.sortFields	Object	0 to many			List of fields to use for sorting
listInfo.sortFields.sortByFieldName	String				Name of the column for sorting
listInfo.sortFields.sortOrder	String		Asc or desc		Ascending or descending sort order
listInfo.fields	String				List of fields to include in response—if not populated, this will return all fields specified in the response type.
listInfo.totalRowCount	Integer				The first response will populate this with the total query row count.

7.3 Response Elements

Note that the fields returned will be based on the requested list of fields (listInfo.fields).

Element	Type	Cardinality	Valid Values or Sample Values	Description
requesterId	String			
bol	Object	0 or more		
listInfo.bol.additionalService	Object	0 or more		Any known accessorial charges
listInfo.bol.additionalService.acsrCode	String		DCF : Container Station Delivery DID: Inside Delivery DLG: Liftgate Delivery DNC: Destination Notification DSH: Saturday or Holiday Delivery DST: Storage at Destination GUR: XPO Logistics Guaranteed OCF: Container Station Pickup OIP: Inside Pickup OLG: Origin Liftgate RSD: Residential Delivery RSO: Residential Pickup XFZ: Freezable Protection Service	Service Accessorial Code
listInfo.bol.additionalService.prepaidOrCollect	String		valid values are: P or C.	Prepaid or collect charges.
bol.billToCust	Object			
bol.billToCust.acctInstId	String			
bol.billToCust.acctMadCd	String			
bol.billToCust.address	Object			
bol.billToCust.address.addressTypeCd	String		Ex: work, headquarters,	

Element	Type	Cardinality	Valid Values or Sample Values	Description
			admin offices, billing, etc.	
bol.billToCust.address.name	String			
bol.billToCust.address.careOfName	String			
bol.billToCust.address.addressLine1	String			Includes building number and street name
bol.billToCust.address.addressLine2	String			Includes other location information such as suite number
bol.billToCust.address.postOfficeBox	String			
bol.billToCust.address.cityName	String			
bol.billToCust.address.stateCd	String		Ex: OR for Oregon	
bol.billToCust.address.countryCd	String		Ex: CN for Canada	
bol.billToCust.address.postalCd	String		97201	
bol.billToCust.address.usZip4	String			
bol.billToCust.contactInfo	Object			
bol.billToCust.contactInfo.companyName	String			
bol.billToCust.contactInfo.email	Object			
bol.billToCust.contactInfo.email.emailAddr	String			
bol.billToCust.contactInfo.email.emailTypeCd	String			
bol.billToCust.contactInfo.fullName	String			
bol.billToCust.contactInfo.phone	Object			
bol.billToCust.contactInfo.phone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency	
bol.billToCust.contactInfo.phone.countryCd	integer		US Country code is 1	
bol.billToCust.contactInfo.phone.extension	integer			
bol.billToCust.contactInfo.phone.phoneNbr	String			

Element	Type	Cardinality	Valid Values or Sample Values	Description
bol.bolDateTime	dateTime			Original document date
bol.bolDocNm	String			
bol.bolDocVer	String			
bol.bolInstld	String			
bol.chargeToCd	String		P – prepaid: shipper responsible for all charges; C – collect: consignee responsible for all charges.	
bol.cod	Object			
bol.cod.paymentTypeCd	String		Prepaid or Collect	
bol.cod.remit	Object			
bol.cod.remit.acctInstld	String			
bol.cod.remit.acctMadCd	String			
bol.cod.remit.address	Object			
bol.cod.remit.address.addressTypeCd	String		Ex: work, headquarters, admin offices, billing, etc.	
bol.cod.remit.address.name	String			
bol.cod.remit.address.careOfName	String			
bol.cod.remit.address.addressLine1	String			
bol.cod.remit.address.addressLine2	String			
bol.cod.remit.address.postOfficeBox	String			
bol.cod.remit.address.cityName	String			
bol.cod.remit.address.stateCd	String		Ex: OR for Oregon	
bol.cod.remit.address.countryCd	String		Ex: CN for Canada	
bol.cod.remit.address.postalCd	String		97201	
bol.cod.remit.address.usZip4	String			
bol.cod.remitAmount	Object			
bol.cod.remitAmount.amt	decimal			

Element	Type	Cardinality	Valid Values or Sample Values	Description
bol.cod.remitAmount.currencyCd	String			
bol.cod.acceptCheckType	String		CustomerCheck, CertifiedCheck, CashiersCheck, MoneyOrder	
bol.commodityLine	Object	0 to many		
bol.commodityLine.pieceCnt	integer			
bol.commodityLine.packaging	Object			
bol.commodityLine.packaging.packageCd	String			
bol.commodityLine.packaging.packageCd.packageWeight	Object			
bol.commodityLine.packaging.packageCd.packageWeight.weight	decimal			
bol.commodityLine.packaging.packageCd.packageWeight.weightUom	String			
bol.commodityLine.packaging.packageDimensions	Object			
bol.commodityLine.packaging.packageDimensions.length	decimal			
bol.commodityLine.packaging.packageDimensions.width	decimal			
bol.commodityLine.packaging.packageDimensions.height	decimal			
bol.commodityLine.packaging.packageDimensions.dimensionsUom	String			
bol.commodityLine.grossWeight	Object			
bol.commodityLine.grossWeight.weight	Decimal			
bol.commodityLine.grossWeight.weightUom	String			
bol.commodityLine.tareWeight	Object			
bol.commodityLine.tareWeight.weight	decimal			
bol.commodityLine.tareWeight.weightUom	String			
bol.commodityLine.volume	Object			
bol.commodityLine.volume.volume	decimal			
bol.commodityLine.volume.volumeUom	String			

Element	Type	Cardinality	Valid Values or Sample Values	Description
bol.commodityLine.desc	string			
bol.commodityLine.nmfcClass	string			
bol.commodityLine.nmfcItemCd	string			
bol.commodityLine.freezeableInd	boolean		Y = can be damaged by freezing	Indicates whether shipment requires special handling to prevent freezing during harsh weather.
bol.commodityLine.hazmatInd	boolean			Indicates whether the commodity contains hazardous materials
bol.commodityLine.hazmatInfo	Object			
bol.commodityLine.hazmatInfo.countryCd	String			
bol.commodityLine.hazmatInfo.hazardousCd	String			UN/NA hazardous codes
bol.commodityLine.hazmatInfo.desc	String			
bol.commodityLine.chemicalCharacteristics	Object			
bol.commodityLine.chemicalCharacteristics.chemProperShippingName	String			
bol.commodityLine.chemicalCharacteristics.chemTechnicalName1	String			
bol.commodityLine.chemicalCharacteristics.chemTechnicalName2	String			
bol.commodityLine.chemicalCharacteristics.chemTechnicalName3	String			
bol.commodityLine.chemicalCharacteristics.classPrimary	String			
bol.commodityLine.chemicalCharacteristics.classSecondary	String			
bol.commodityLine.chemicalCharacteristics.classTertiary	String			
bol.commodityLine.chemicalCharacteristics.contentWeight	decimal			
bol.commodityLine.chemicalCharacteristics.contentWeightUOM	String			
bol.commodityLine.chemicalCharacteristics.reportableQuantityInd	boolean			

Element	Type	Cardinality	Valid Values or Sample Values	Description
bol.commodityLine.chemicalCharacteristics.reportQuantityWeight	decimal			
bol.commodityLine.chemicalCharacteristics.reportQuantityWeightUOM	String			
bol.commodityLine.chemicalCharacteristics.packagingGroupCd	String			
bol.commodityLine.chemicalCharacteristics.specialProvision	String			
bol.commodityLine.chemicalCharacteristics.emergencyGuideBookName	String			
bol.commodityLine.chemicalCharacteristics.hotInd	boolean			
bol.commodityLine.chemicalCharacteristics.residueInd	boolean			
bol.commodityLine.chemicalCharacteristics.poisonousInd	boolean			
bol.commodityLine.chemicalCharacteristics.notOtherwiseSpecifiedInd	boolean			
bol.commodityLine.chemicalCharacteristics.limitedQuantityInd	boolean			
bol.commodityLine.chemicalCharacteristics.toxicInhalationInd	boolean			
bol.commodityLine.chemicalCharacteristics.passengerAircraftForbidInd	boolean			
bol.commodityLine.chemicalCharacteristics.commercialAircraftForbidInd	boolean			
bol.commodityLine.chemicalCharacteristics.massivePollutantInd	boolean			
bol.commodityLine.chemicalCharacteristics.oilContainedInd	boolean			
bol.commodityLine.chemicalCharacteristics.temperatureUOM	String			
bol.commodityLine.chemicalCharacteristics.flashPointTemperature	decimal			

Element	Type	Cardinality	Valid Values or Sample Values	Description
bol.commodityLine.chemicalCharacteristics.emergencyTemperature	decimal			
bol.commodityLine.chemicalCharacteristics.controlTemperature	String			
bol.commodityLine.emergencyContactName	String			
bol.commodityLine.emergencyContactPhone	Object			
bol.commodityLine.emergencyContactPhone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency	
bol.commodityLine.emergencyContactPhone.countryCd	integer		US Country code is 1	
bol.commodityLine.emergencyContactPhone.extension	integer		Additional digits to reach the party, after the phone number	
bol.commodityLine.emergencyContactPhone.phoneNbr	String			
bol.consignee	Object			
bol.consignee.acctInstId	String			
bol.consignee.acctMadCd	String			
bol.consignee.address	Object			
bol.consignee.address.addressTypeCd	String		Ex: work, headquarters, admin offices, billing, etc.	
bol.consignee.address.name	String			Primary name
bol.consignee.address.careOfName	String			
bol.consignee.address.addressLine1	String			Building number and street name
bol.consignee.address.addressLine2	String			Additional address information such as suite number
bol.consignee.address.postOfficeBox	String			
bol.consignee.address.cityName	String			
bol.consignee.address.stateCd	String		Ex: OR for Oregon	
bol.consignee.address.countryCd	String		Ex: CN for Canada	

Element	Type	Cardinality	Valid Values or Sample Values	Description
bol.consignee.address.postalCd	String		97201	
bol.consignee.address.usZip4	String			
bol.consignee.contactInfo	Object			
bol.consignee.contactInfo.companyName	String			
bol.consignee.contactInfo.email	Object			
bol.consignee.contactInfo.email.emailAddr	String			
bol.consignee.contactInfo.email.emailTypeCd	String			
bol.consignee.contactInfo.fullName	String			
bol.consignee.contactInfo.phone	Object			
bol.consignee.contactInfo.phone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency	
bol.consignee.contactInfo.phone.countryCd	Integer		US is 1.	
bol.consignee.contactInfo.phone.extension	Integer		23	
bol.consignee.contactInfo.phone.phoneNbr	String		503-555-5555	
bol.customsBroker	Object			Customs broker name and address for international shipments
bol.customsBroker.	brokerInstId			
bol.customsBroker.brokerBusinessKey				
bol.customsBroker.address	Object			
bol.customsBroker.address.addressTypeCd	String		Ex: work, headquarters, admin offices, billing, etc.	
bol.customsBroker.address.name	String			
bol.customsBroker.address.careOfName	String			
bol.customsBroker.address.addressLine1	String			
bol.customsBroker.address.addressLine2	String			

Element	Type	Cardinality	Valid Values or Sample Values	Description
bol.customsBroker.address.postOfficeBox	String			
bol.customsBroker.address.cityName	String			
bol.customsBroker.address.stateCd	String		Ex: OR for Oregon	
bol.customsBroker.address.countryCd	String		Ex: CN for Canada	
bol.customsBroker.address.postalCd	String		97201	
bol.customsBroker.address.usZip4	String			
bol.customsBroker.contactInfo	Object			
bol.customsBroker.contactInfo.companyName	String			
bol.customsBroker.contactInfo.email	Object			
bol.customsBroker.contactInfo.email.emailAddr	String			
bol.customsBroker.contactInfo.email.emaiTypeCd	String			
bol.customsBroker.contactInfo.fullName	String			
bol.customsBroker.contactInfo.phone	Object			
bol.customsBroker.contactInfo.phone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency	
bol.customsBroker.contactInfo.phone.countryCd	Integer		US is 1.	
bol.customsBroker.contactInfo.phone.extension	Integer		23	
bol.customsBroker.contactInfo.phone.phoneNbr	String		503-555-5555	
bol.declaredValueAmount	Object			
bol.declaredValueAmount.amt	decimal			
bol.declaredValueAmount.currencyCd	String			
bol.declaredValueAmtPerLb	Object			
bol.declaredValueAmountPerLb.amt	decimal			
bol.declaredValueAmtPerLb.currencyCd	String			
bol.emergencyContactName	String			

Element	Type	Cardinality	Valid Values or Sample Values	Description
bol.emergencyContactPhone	Object			
bol.emergencyContactPhone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency	
bol.emergencyContactPhone.countryCd	Integer		US is 1.	
bol.emergencyContactPhone.extension	Integer		23	
bol.emergencyContactPhone.phoneNbr	String		503-555-5555	
bol.excessLiabilityChargeInit	String			If a Canadian shipper chooses to pay excess liability charges for a shipment, the shipper must provide their initials designating their agreement.
bol.pickupInfo	Object			Basic Pickup Request information (if pickup was requested).
bol.pickupInfo.pkupDate	Date			Date of pickup
bol.pickupInfo.pkupTime	Time			Time of pickup
bol.pickupInfo.dockCloseTime	Time			Dock close time
bol.pickupInfo.contact	Object			Pickup contact person
bol.pickupInfo.contact.companyName	String			Company name of the contact person
bol.pickupInfo.contact.email	Object			
bol.pickupInfo.contact.email.emailAddr	String			
bol.pickupInfo.contact.email.emailTypeCd	String			
bol.pickupInfo.contact.fullName	String			Full name
bol.pickupInfo.contact.phone	String			Contact phone number
bol.pickupInfo.contact.phone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency	
bol.pickupInfo.contact.phone.countryCd	Integer		US is 1.	
bol.pickupInfo.contact.phone.extension	Integer		23	
bol.pickupInfo.contact.phone.phoneNbr	String		503-555-5555	
bol.pickupInfo.pkupCallSeq	Integer			Call sequence number of the Pickup request

Element	Type	Cardinality	Valid Values or Sample Values	Description
bol.pickupInfo.pkupCallDate	Date			Date when the pickup request was called in
bol.pickupInfo.pkupInstId	String			Unique identifier of the Pickup Request
bol.pickupInfo.pkupTrmnlSic	String			Service Center (SIC) responsible for Pickup
bol.proTypeCd	String			
bol.proNbr	String			Pro Number
bol.remarks	String			BOL remarks
bol.requester	Object			
bol.requester.requester	Object			
bol.requester.requester.fullName	String			Full name is a concatenation of title, first, middle and last name.
bol.requester.requester.firstName	String			First name of the person
bol.requester.requester.middleName	String			Either middle name or middle initial.
bol.requester.requester.lastName	String			Last name or surname of the person
bol.requester.requester.salutation	String		Ex: Dr. Mr., Ms., Mrs., etc.	Prefix used with the name
bol.requester.requester.title	String			Title as appropriate, including job title, professional title, etc.
bol.requester.requester.addresses	Object	0 to many		
bol.requester.requester.addresses.addressTypeCd	String		Ex: work, headquarters, admin offices, billing, etc.	
bol.requester.requester.addresses.name	String			Primary name
bol.requester.requester.addresses.careOfName	String			Applies to mailing address, where the address is actually in another entity's name
bol.requester.requester.addresses.addressLine1	String			Building number and Street name
bol.requester.requester.addresses.addressLine2	String		Suite 4C	Additional address information
bol.requester.requester.addresses.postOfficeBox	String			
bol.requester.requester.addresses.cityName	String			Address city
bol.requester.requester.addresses.stateCd	String		Ex: OR for Oregon	State code

Element	Type	Cardinality	Valid Values or Sample Values	Description
bol.requester.requester.addresses.countryCd	String		Ex: CN for Canada	Standard postal abbreviation for a country
bol.requester.requester.addresses.postalCd	String		97201	Postal code AKA ZIP code
bol.requester.requester.addresses.usZip4	String			4 digit extension to ZIP code
bol.requester.requester.contactInfo	Object			Email addresses, chat handles, phone numbers and preferences
bol.requester.requester.contactInfo.contactFirstName	String			This field will be populated when the ContactInfo type is used as the contact reference instead of the ContactType which has full person information.
bol.requester.requester.contactInfo.contactLastName	String			
bol.requester.requester.contactInfo.contactTitle	String			
bol.requester.requester.contactInfo.emailAddress	Object	0 to many		Email address
bol.requester.requester.contactInfo.emailAddress.emailAddr	String			
bol.requester.requester.contactInfo.emailAddress.emailTypeCd	String			
bol.requester.requester.contactInfo.telephone	Object	0 to many		
bol.requester.requester.contactInfo.telephone.phoneTypeCd	String			
bol.requester.requester.contactInfo.telephone.countryCd	Integer		Ex: US country code is 1	
bol.requester.requester.contactInfo.telephone.extension	Integer			
bol.requester.requester.contactInfo.telephone.phoneNbr	String		(503)555-5555	
bol.requester.requester.contactInfo.chatIMAddress	Object	0 to many		IM addresses – Google chat, Microsoft, Chatter, etc.
bol.requester.requester.contactInfo.chatIMAddress.name	String			
bol.requester.requester.contactInfo.chatIMAddress.value	String			
bol.requester.requester.contactInfo.contactWebSiteURL	Object			Web URL. Typically applies to where a contact is a non-person entity, such as a business

Element	Type	Cardinality	Valid Values or Sample Values	Description
bol.requester.requester.contactInfo.contactWebSiteURL.name	String			
bol.requester.requester.contactInfo.contactWebSiteURL.value	String			
bol.requester.requester.preferredLanguage	String			Preferred language that should be used to communicate with the person.
bol.requester.role	String		Shipper, Consignee or Bill2	
bol.requester.userId	String			Web customer profile ID
bol.requester.userTypeCd	String		Set to E for electronic	
bol.sendBolEmail	Boolean			Indicates if the email should be sent once the BOL is created. If true then email will be sent to Requester email address
bol.shipper	Object			
bol.shipper.acctInstId	String			
bol.shipper.acctMadCd	String			
bol.shipper.address	Object			
bol.shipper.address.addressTypeCd	String		Ex: work, headquarters, admin offices, billing, etc.	
bol.shipper.address.name	String			
bol.shipper.address.careOfName	String			
bol.shipper.address.addressLine1	String			
bol.shipper.address.addressLine2	String			
bol.shipper.address.postOfficeBox	String			
bol.shipper.address.cityName	String			
bol.shipper.address.stateCd	String		Ex: OR for Oregon	
bol.shipper.address.countryCd	String		Ex: CN for Canada	
bol.shipper.address.postalCd	String		97201	
bol.shipper.address.usZip4	String			4 digit extension to US ZIP code
bol.shipper.contactInfo	Object			

Element	Type	Cardinality	Valid Values or Sample Values	Description
bol.shipper.contactInfo.companyName	String			companyName of the contact person
bol.shipper.contactInfo.email	Object			Contact email address
bol.shipper.contactInfo.email.emailAddr	String			
bol.shipper.contactInfo.email.typeCd	String			
bol.shipper.contactInfo.fullName	String			
bol.shipper.contactInfo.phone	Object			Contact phone number
bol.shipper.contactInfo.phone.phoneTypeCd	String		Daytime, Evening, Mobile, Home, Emergency	
bol.shipper.contactInfo.phone.countryCd	integer		US Country code is 1	
bol.shipper.contactInfo.phone.extension	integer			Additional digits to reach the party
bol.shipper.contactInfo.phone.phoneNbr	String			
bol.supRef	Object			Additional customer supplemental references included on the BOL
bol.supRef.purchaseOrderNumber	String	0 or more		Purchase order number
bol.supRef.shippersRefNbr	String			Shippers reference number
bol.supRef.otherRefs	Object	0 or more		Other reference number to be captured when creating the Bill of Lading. Reference type and reference is required.
bol.supRef.otherRefs.reference	String			
bol.supRef.otherRefs.referenceDescr	String			
bol.supRef.otherRefs.referenceTypeCd	String			PO, lading number, etc.
bol.supRef.otherRefs.referenceCode	String			
Link	Object	0 to many		Hypermedia links
Link.rel	anyURI			A relative link to the URI
Link.uri	anyURI			The URI to the resource
Link.method	method			HTTP method: GET, PUT,POST, etc.
listInfo	Object			
listInfo.levelOfDetail	String			

Element	Type	Cardinality	Valid Values or Sample Values	Description
listInfo.numberOfRows	Integer			Page size – number of rows
listInfo.startAt	Integer			Start at row number
listInfo.sortFields	Object			List of fields for sorting
listInfo.sortFields.sortByFieldName	String			Name of the column for sort
listInfo.sortFields.sortOrder	String		Asc = ascending; Desc = descending	
listInfo.fields	String			List of fields to include in response -if not populated, this will return all fields specified in the response type.
listInfo.totalRowCount	Integer			The first response will populate this with the total query row count.

7.4 ListSubmittedBillsOfLading Samples

Request URL:

<https://api.ltl.xpo.com/billoflading/1.0/billsoflading/requester?testMode=N>

Response message:

```
{
  "code": "200",
  "transactionTimestamp": 1508273045744,
  "data": {
    "bol": [
      {
        "bolDocNm": "06/23/2016 - 08:35 | OLYMPIC PHARMACY V2120",
        "bolInstId": "4259995492783"
      },
      {
        "bolDocNm": "06/23/2016 - 08:40 | Wally's PHARMACY",
        "bolInstId": "4259998606968"
      },
      {
        "bolDocNm": "06/23/2016 - 08:42 | Baconator",
        "bolInstId": "4259999523432"
      },
      {
        "bolDocNm": "06/23/2016 - 08:42 | Baconator",
        "bolInstId": "4259999704389"
      },
      {
        "bolDocNm": "06/23/2016 - 08:43 | Baconator",
        "bolInstId": "4250329853448"
      }
    ]
  }
}
```

```
"bolDocNm": "06/23/2016 - 08:44 | Rodeo or Rodeo",  
"bolInstld": "4250330479916"  
},  
{  
  "bolDocNm": "06/23/2016 - 08:44 | Rodeo or Rodeo",  
  "bolInstld": "4250330697881"  
},  
{  
  "bolDocNm": "06/23/2016 - 08:45 | Movie Time",  
  "bolInstld": "4250331509108"  
},  
{  
  "bolDocNm": "06/23/2016 - 08:46 | Movie Time",  
  "bolInstld": "4250331859802"  
},  
{  
  "bolDocNm": "08/10/2016 - 07:45 | Un PRO Fessional",  
  "bolInstld": "4291767662942"  
},  
{  
  "bolDocNm": "08/24/2016 - 02:36 | Dunder Mifflin pickup",  
  "bolInstld": "4304110124906"  
},  
{  
  "bolDocNm": "09/22/2016 - 11:03 | Dunder Mifflin",  
  "bolInstld": "4329038183813"  
},  
{  
  "bolDocNm": "10/06/2016 - 11:57 | I",  
  "bolInstld": "4341166610897"  
},  
{  
  "bolDocNm": "10/06/2016 - 02:11 | formula plastics inc",  
  "bolInstld": "4341246972920"  
},  
{  
  "bolDocNm": "10/28/2016 - 03:49 | Donny Muff",  
  "bolInstld": "4360313610620"  
},  
{  
  "bolDocNm": "11/07/2016 - 08:42 | Donny Muff",  
  "bolInstld": "4368697822469"  
},  
{  
  "bolDocNm": "01/12/2017 - 05:10 | Snow Bunnies|SN#SN4444",  
  "bolInstld": "4425162424428"  
},  
{  
  "bolDocNm": "01/27/2017 - 11:07 | Dunder Mifflin",  
  "bolInstld": "4437904639738"  
},  
{  
  "bolDocNm": "02/02/2017 - 10:41 | FORM PLASTICS INC",  
  "bolInstld": "4443072863963"
```

```
  },
  {
    "bolDocNm": "04/07/2017 - 12:25 | Dunder Mifflin",
    "bolInstld": "4498431638825"
  },
  {
    "bolDocNm": "04/07/2017 - 12:28 | Apples|SN#TCTSSW BOL",
    "bolInstld": "4498433449232"
  },
  {
    "bolDocNm": "04/07/2017 - 12:38 | test no bol|SN#04172017",
    "bolInstld": "4498438986104"
  },
  {
    "bolDocNm": "04/20/2017 - 11:27 | test",
    "bolInstld": "4509628312950"
  },
  {
    "bolDocNm": "05/09/2017 - 06:59 | Dunder Mifflin|SN#139027",
    "bolInstld": "4525884150056"
  },
  {
    "bolDocNm": "05/18/2017 - 07:15 | Dunder Mifflin",
    "bolInstld": "4533669408997"
  },
  {
    "bolDocNm": "08/17/2017 - 01:08 | AMERICAN CAR SYSTEMS I",
    "bolInstld": "4612505555523"
  },
  {
    "bolDocNm": "08/17/2017 - 01:11 | test",
    "bolInstld": "4612507999970"
  },
  {
    "bolDocNm": "08/24/2017 - 03:29 | test",
    "bolInstld": "4618887566986"
  },
  {
    "bolDocNm": "09/01/2017 - 10:07 | test",
    "bolInstld": "4625356000334"
  },
  {
    "bolDocNm": "09/05/2017 - 08:54 | test",
    "bolInstld": "4655558991772"
  },
  {
    "bolDocNm": "09/07/2017 - 03:12 | test",
    "bolInstld": "4630723683386"
  },
  {
    "bolDocNm": "09/07/2017 - 03:13 | test",
    "bolInstld": "4630724300466"
  },
  },
  {
```

```

        "bolDocNm": "09/07/2017 - 03:14 | test",
        "bolInstId": "4630724874434"
    },
    {
        "bolDocNm": "09/15/2017 - 08:54 | Dunder Mifflin",
        "bolInstId": "4444408975194"
    },
    {
        "bolDocNm": "10/17/2017 - 09:45 | test",
        "bolInstId": "4665087777827"
    }
]
}

```

8 getBillOfLadingPdf

8.1 Description

This operation request message to generate PDF for an existing Bill Of Lading.

Mandatory data includes:

- A valid Bill of Lading identifier (bolInstId)
- requesterId

Post-conditions:

- If the mandatory data is provided and valid, the system will generate that particular bill of Lading with a PDF Format.

8.2 Request Elements

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bolInstId	String			Y	The Bill of Lading InstId; the concatenation of the pickup Terminal service center, call Date and call Sequence.
requesterId	String			Y	
requesterToSign	String		Y or N		Indicates if the shipper's signature should appear on the PDF.

8.3 Response Elements

Element	Type	Cardinality	Valid Values or Sample Values	Description
fileName	String		08a851b20502db80fihidm6a6a80e6.pdf	File name of the BOL .pdf
contentType	String			PDF file of the BOL

8.4 getBillofLadingPdf Samples

```

Request Message:
https://api.ltl.xpo.com/billoflading/1.0/billsoflading/4676539433277/pdf?testMode=N

Response Message:

{
  "code": "200",
  "transactionTimestamp": 1509403958145,
  "data": {
    "bolpdf": {
      "fileName": "6f7ca3dc0502d8t0l7sc7cf152b023.pdf",
      "contentType": (binary file of the PDF)
    }
  }
}

```

9 createPAPSLabelPdf

9.1 Description

This operation returns a PAPS label in PDF format.

Mandatory data includes:

- A valid Bill of Lading identifier (bollnstld)
- Number of Labels
- Label Position.

Post-conditions:

- If the mandatory data is provided and valid, the system will create a PAPS label and return with a PDF Format.

Business-rules:

- A PAPS Label cannot be printed without a pro-number assigned to the shipment or the shipment is not shipping from Canada to the U.S

9.2 Request Elements

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bollnstld	String			Y	The Bill of Lading Instld; the concatenation of the pickup Terminal service center, call Date and call Sequence.
nbrOfLabels	Integer		4	Y	Number of labels to print

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
labelPosition	Integer		1	Y	Position to start the first label

9.3 Response Elements

Element	Type	Cardinality	Valid Values or Sample Values	Description
fileName	String		edf6e35a0502db8 - uqm21m1a573f8c. pdf	File name of the PAPS label .pdf
contentType	String			Binary file of the PAPS label

9.4 CreatePAPSLabel PDF Samples

```
Request URL:
https://api.ltl.xpo.com/billoflading/1.0/billoflading/4654793529981/papslabels/pdf?testMode=N

Request Message:
{
  "nbrOfLabels": 1,
  "labelPosition": 1,
  "bolInstId": "4659999529981"
}

Response message:
{
  "code": "201",
  "transactionTimestamp": 1507230931080,
  "data": {
    "papsLabel": {
      "fileName": "edf6e35a0502db8-uqm21m1a573f8c.pdf",
      "contentType": (binary file content)
    }
  }
}
```

10 createShippingLabelPdf

10.1 Description

This operation returns a shipping label in PDF format.

Mandatory data includes:

- A valid Billof Lading Inst Id
- Number of Labels

- printerSettings
- Label Position.

Post-conditions:

- If the mandatory data is provided and valid, the shipping label in the PDF format is returned.

10.2 Request Elements

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bolInstId	String			Y	The Bill of Lading InstId; the concatenation of the pickup Terminal service center, call Date and call Sequence.
nbrOfLabels	Integer		10	Y	
printerSettings	String		Normal Printer Settings	Y	Printer settings should be one of the following: Normal Printer Settings, Alternate 1, Alternate 2, Zebra
labelPosition	Integer		1	Y	

10.3 Response Elements

Element	Type	Cardinality	Valid Values or Sample Values	Description
fileName	String		ee3176fa0502db803numgnf01976a7_10000.pdf	Filename of the shipping label .pdf
contentType	String		application/pdf	Binary file of the shipping label

10.4 CreateShippingLabelPdf Samples

```

Request URL:
https://api.ltl.xpo.com/billoflading/1.0/billsoflading/4647805197389/shippinglabels/pdf?testMode=N

Request Message:
{
  "nbrOfLabels": 10,
  "labelPosition": 1,
  "printerSettings": "Normal Printer Settings",
  "bolInstId": "4647805197389"
}
Response message:
{
  "code": "201",
  "transactionTimestamp": 1507234770711,
  "data": {

```

```

"shippingLabel": {
  "fileName": "ee3176fa0502db803numgnf01976a7_10000.pdf",
  "contentType": (binary information for the shipping label)
}
}
}

```

11 emailBillofLadingPdf

11.1 Description

This operation is used to email a PDF file of an existing Bill of Lading.

Mandatory data includes:

- A valid Bill of Lading identifier (bollnstld)

Post-conditions:

- If the mandatory data is provided the generated PDF will be sent to the given email.
- If the email address is not provided then generated PDF will be sent to the requester email address in the Bill of Lading document.

11.2 Request Elements

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
bollnstld	String		4653175455434	Y	The Bill of Lading Instld;the concatenation of the pickup Terminal service center, call Date and call Sequence.
emailld	String		Teddy.contact@testexperts.com	Y	The email address

11.3 Response Elements

Element	Type	Cardinality	Valid Values or Sample Values	Description
bollnstld	String		4653175455434	The Bill of Lading Instld;the concatenation of the pickup Terminal service center, call Date and call Sequence.

11.4 emailBillofLading PDF Samples

```

Request URL:
https://api.ltl.xpo.com/billoflading/1.0/billsoflading/4653175455434/email?testMode=N

Request Message:

```

```
{
  "emailId": "alfred.nice@abc.com",
  "bollInstId": "4653175455434"
}

Response message:
{
  "code": "201",
  "transactionTimestamp": 1507238246283,
  "data": {
    "bollInstId": "4653175455434"
  }
}
```

12 emailPapsLabelPdf

12.1 Description

This operation is used to email a PAPS label, formatted for printing.

Mandatory data includes:

- Number of Labels
- Label Position.
- emailId
- A valid Bill of Lading identifier (BollInstId).

Post-conditions:

- If the mandatory data is provided the generated PDF will be sent to the given email, and a standard response message is returned.
- If the emailId is not provided then generated PDF will be sent to the requester email address in the Bill of Lading document.

12.2 Request Elements

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
nbrOfLabels	Integer		1	Y	The number of labels to print.
emailId	String		Teddy.contact@testexperts.com	Y	The email address.
labelPosition	Integer		4	Y	
bollInstId	String		4647805197389	Y	The Bill of Lading InstId;the concatenation of the pickup Terminal service center, call Date and call Sequence.

12.3 Response Elements

Element	Type	Cardinality	Valid Values or Sample Values	Description
bolInstId	String		4647805197389	The Bill of Lading identifier

12.4 emailPaps Label PDF Samples

```

Request URL:
https://api.ltl.xpo.com/billoflading/1.0/billsoflading/4647805197389/papslabels/email?testMode=N

Request Message:
{
  "nbrOfLabels": 10,
  "emailId": "alfred.smith@abc.com",
  "labelPosition": 1,
  "bolInstId": "4647805197389"
}
Response message:
{
  "code": "201",
  "transactionTimestamp": 1507239622668,
  "data": {
    "bolInstId": "4647805197389"
  }
}

```

13 emailShippingLabelPdf

13.1 Description

This operation emails a PDF of a shipping label for an existing Bill of Lading.

Mandatory data includes:

- Number of Labels
- Email address
- Label Position.
- printerSettings
- A valid Bill of Lading Identifier

Post-conditions:

- If the mandatory data is provided the generated PDF will be sent to the given email.
- If the emailId is not provided then generated PDF will be sent to the requester email address in the Bill of Lading document.

13.2 Request Elements

Element	Type	Cardinality	Valid Values or Sample Values	Required (Y)	Description
nbrOfLabels	Integer		1	Y	The number of labels to email.
emailId	String		Teddy.contact@testexperts.com	Y	The email address.
labelPosition	Integer		4	Y	
printerSettings	String		Normal Printer Settings	Y	Printer settings should be one of the following: Normal Printer Settings, Alternate 1, Alternate 2, Zebra
bolInstId	String		4647805197389	Y	The Bill of Lading identifier

13.3 Response Elements

Element	Type	Cardinality	Valid Values or Sample Values	Description
bolInstId	String		4647805197389	The Bill of Lading identifier

13.4 emailShipping Label PDF Samples

```

Request URL:
https://api.ltl.xpo.com/billoflading/1.0/billsoflading/4647805197389/shippinglabels/email?testMode=N

Request Message:
{
  "nbrOfLabels": 10,
  "emailId": "alfred.nice@abc.com",
  "labelPosition": 1,
  "printerSettings": "Zebra",
  "bolInstId": "4647805197389"
}

Response message:
{
  "code": "201",
  "transactionTimestamp": 1507239622668,
  "data": {
    "bolInstId": "4647805197389"
  }
}

```

14 Document Revision History

API Version	Document publication date	Description of Implementation Guide Changes
1.0	11/05/17	Initial version
1.0	12/08/17	Revised content of examples
1.0	5/08/18	Corrected examples for bol.cod.acceptCheckType as follows: Personal --> CustomerCheck Certified --> CertifiedCheck Cashiers --> CashiersCheck Money Order --> MoneyOrder
1.0	10/17/18	testMode is removed from the list of inputs; it is now a mandatory parameter to be passed in the URL. 17.
1.0	4/30/19	Corrected the 'contentType' field of the "create PDF" operations (BOL, PAPS, shipping label) to include the actual content of the binary file. Updated the responses and the samples. Clarified the description of bol.additionalService.prepaidOrCollect
1.0	6/6/19	Fixed endpoint URLs https://api.ltl.xpo.com/billoflading/1.0/billsoflading?testMode=Y
1.0	7/11/19	getBillOfLadingPdf – indicated the requestorToSign flag can be set to Y to include the shipper's signature on the PDF.
1.0	10/10/21	Replaced Accessorial PFF: Protect from Freezing with XFZ: Freezable Protection Service **PFF is temporarily valid, will be deprecated on future release.
1.0	10/12/21	Replaced countryCd Valid Values or Samples Indicator for Canada from CA to CN