

Motor Carrier Load Tender

XML: Motor Carrier Load Tender



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Document Information

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TECHNICAL SPECIFICATION FOR XML LOAD TENDER BOOKNG
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Revision History

Version	Date	Author	Changes
1.0	11/08/2021	Sam Dzanic	Create Document
1.1	11/22/2021	Sam Dzanic	Inserted Sample File
1.2	2/24/2022	KITCRYA	Changing table for new fields
2.0	5/18/2023	Sam Dzanic	Added EmptyPickup Location
3.0	11/20/2023	KITCRYA	Added Tractor

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1. Introduction

This document is intended for business and technical personnel engaged in establishing an electronic connection with C.H. Robinson for the purpose of receiving Load Tender/Load Booking from Navisphere.

2. XML Structure

- Min (Use) and Max (Use) refers to the minimum and maximum occurrence of the field it describes. Min usage of zero indicates an optional field.
- Length indicates number of characters in each field.
- Required describes if the element is mandatory (M), Optional (O) or Conditional (C)
- Type describes what kind of data a certain element holds such as Variable Character, Enum
- Attributes are indicated in [brackets] and will be below the field it is located in.
- In the appendix there is a Enum.XSD with possible values for attributes

3.Load Tender/ Load Booking

This transaction set can be used to allow shippers or other interested parties to offer (tender) a shipment to a motor carrier including detailed scheduling, equipment requirements, commodities, and shipping instructions pertinent to a load tender.

XML documents must contain a root element. The **CHRLoadTender** element is the root element for the Load Tender Booking XML message.

Note: On our website there is an excel copy of this table, a test file, and XSD which will be easier for a BA or developer to work with.

Field Name	Type / Length	Min - Max	M/O /C	Sample Data	Notes
CHRLoadTender					
Header					
SenderCode	Varchar	10	M	CHR0000	CHR + Branch Number
CarrierCode	Varchar 2-15	2 - 10	M	T5534	C.H. Robinson unique ID assigned to Carrier
DateTime	DateTime	20	M	20220225T003917.626Z	Date/Time Stamp Updated type to DateTime v1.2
TransactionID	Varchar	15	M	10000000001	Unique identification number for this transaction
Contact					
Name	Varchar	0-256	O	Jane Doe	CHR Representative Name assigned to this load
Email	Varchar	0-256	O	Jode@CHRobinson.com	CHR Representative Email assigned to this load
Phone	Varchar	0-256	O	9529524433	CHR Representative Phone assigned to this load
LoadNumber	Integer	9	M	376443323	C.H. Robinson Unique Identifier for Load
SCAC	Varchar	0-6	O	RBTW	United States Department of Transportation assigned carrier code or mutually defined code
PrepaidCollect	Varchar	2	O	PP/CC	PP=Prepaid CC=Collect

Purpose	Enum / 3	44263	M	New/Update/Cancel	This will indicate if the load tender was resent(04), cancel(01) or new (00).
LoadDetails					
MoveType	Enum/6	3 to 4	M	IDL IPU OIDL OIPU LTL TL	Describes shipment or part of shipment Import/ Export Pickup/Deliver OIDL - Delivery Order International OIPU - Pickup Order International IDL - Delivery Order Domestic IPU - Pickup Order Domestic TL- Truckload LTL- Less Than Truckload
Notes					
Note type="LOAD"	Varchar	0-256	O		notes relevant to the load
Note type="LOAD"	Varchar	0-256	O		notes relevant to the load
CustomerName	Varchar	0-256	O	CHROBINSON	Customer name if applicable. Used for Shipper Agent Loads
OriginLocation	Varchar	2-15	O	W1046085	CHR Assigned Location code (W-Code) for Origin
DestinationLocation	Varchar	2-15	O	W1043432	CHR Assigned Location code (W-Code) for Destination
Parties					
Party type="BT SH NP ETC"	ENUM	2	M		BT - Bill To SH - Shipper CN - Consignee SF - Ship From ST - Ship To NP - Notify Party
ID	Varchar	2-15	M	C8147730	CHR Assigned Location Party Code (C-Code)
ReferenceNumber	Varchar	1-256	O	12345	
Name	Varchar	2-256	M	Golf Carts International	Party Name

Address				O		
AddressLineOne	Varchar	2-256	M		14701 Charlson Rd	
AddressLineTwo	Varchar	2-256	O		Building C Door 5	
City	Varchar	2-256	M		Eden Prairie	
StateOrProvince	ENUM	2-256	M		Minnesota	
Country	ENUM		O		USA	
PostalCode	Varchar	2-256	O		55347	
Contact						
Name	Varchar	2-256	O		Jon Smith	
Email	Varchar	2-256	O		Jon.Smith@Chrobins.com	
Phone	Varchar	2-256	O		952-942-6552 ext 5	
ReferenceNumbers						
ReferenceNumber type="BM MB BN ETC"	ENUM		O		B232214111	See XSD for complete Enum list
ReferenceNumber type="BM MB BN ETC"	ENUM		O		IMP211002204	BM - Bill of Lading MB - Master Bill of Lading BN - Booking Number
Equipment				O		
SSL	Varchar		O			
VoyageNumber	Varchar	2-256	O		E322	
Vessel	Varchar		O			
VesselName	Varchar	2-256	O		BOMAR SPRING	
VesselID	Varchar	2-256	O		9316359	Lloyds vessel ID
SSLName	Varchar	2-256	O		MAERSK	
CutOffDateTime	DateTime	20	O		2021-10-25T02:38:58	Date Time Stamp YYYY-MM-DDTHH:MM:SS
ContainerNumber	Varchar	9-15	O		TRHU1723209	
ContainerType	ENUM	2-20	O		22G0	ISO container Type
ContainerLength	Integer		O		20	
ContainerNotes	Varchar	0-256	O			
LoadType	ENUM	0-256	O		Sideloader Doors Rear	Container Loading Instructions;

SealNumber	Varchar	0-256	O	G2382564	
TractorNumber	Varchar	0-256	O	ME123456	
VerifiedGrossMass	Varchar		O		
Weight	Varchar	0-256	O	43684	Verified gross mass of container (VGM)
VerifiedBy	Varchar	0-257	O	John Smith	
Method	Varchar	0-256	O		
Date	DateTime	20	O	2021-10-25T02:38:58	Date Time Stamp YYYY-MM-DDTHH:MM:SS
GrossWeight unit="LBS KGS"	Varchar	0-256	O	43684	
TotalQuantity PackagingCode="ENUM"	Varchar	0-4	O	PCS	See XSD for complete Enum list
Temperature	Varchar	0-4	O	33.4	
MinTemperature unit="C F"	ENUM		O	F	F = Fahrenheit C=Celsius
MaxTemperature unit="C F" ENUM		O	F	F = Fahrenheit C=Celsius	
HazmatFlag TRUE FALSE	ENUM	0-5	O	TRUE	Label load as Hazmat or non Hazardous Material
MTPickupLocationName	Varchar	0-256	O	CHICAGO BNSF - Corwith	Where to pickup Empty Container
MTReturnLocationName	Varchar	0-256	O	MSP BNSF Railway Depot	Where to return Empty Container
MTReturnDate	DateTime	20	O	2023-04-01	Date container to be returned
Notes			O		
Note type="COVR"	Varchar	0-256	O		notes relevant to the equipment
Note type="COVR"	Varchar	0-256	O		notes relevant to the equipment
Stops			O		
Stop type="LD UL DT RT DR"	ENUM	2	M	LD	LD = Loading UL = Unload
StopNumber	ENUM	1-2	M	1	Stop Number assigned to location
Location type="P D DT OT DP OP RD RO SF ST"	ENUM	2	M	DT	P = Pick D=Drop
ID	Varchar	2-15	M	W68927804	CHR Assigned Location code (W-Code)
Name	Varchar	0-256	M	CUTTING EDGE PTY LTD	
StopDateTime					

	RequestedShipDateTime	DateTime	16	O	2022/02/28T07:00	
	ShipNoLaterThanDateTime	DateTime	16	O	2022/02/28T15:00	
	RequestedDeliverDateTime	DateTime	16	O	2022/02/28T07:00	
	DeliverNoLaterThanDateTime	DateTime	16	O	2022/02/28T15:00	
	Address			M		
	AddressLineOne	Varchar	2-256	M	16-18 MURRAY ROAD SOUTH	
	AddressLineTwo	Varchar	2-256	O	Suite 300	
	City	Varchar	2-256	M	Welshpool	
	StateOrProvince	ENUM	2-256	O	WA	
	Country	ENUM	2-257	O	Australia	
	PostalCode	Varchar	2-256	O	6106	
	Contact			O		
	Name	Varchar	2-256	O	Jane Doe	
	Email	Varchar	2-256	O	Jane.Doe@CHR.com	
	Phone	Varchar	2-256	O	8887-942-6552 ext 5	
	ReferenceNumbers			O		
	ReferenceNumber type="DO PU DIST GL VERF	ENUM		O	2143321	See XSD for complete Enum list
	ReferenceNumber type="DO PU DIST GL VERF	ENUM		O	423223222	See XSD for complete Enum list
	RequestedDateTime	DateTime	20	C	2021-10-25T02:38:58	Date Time Stamp YYYY-MM-DDTHH:MM:SS
	LatestDateTime	DateTime	20	C	2021-10-25T02:38:58	Date Time Stamp YYYY-MM-DDTHH:MM:SS
	Commodities			O		
	Commodity			O		
	LineItem	Varchar	0-256	C	1	
	PurchaseOrderNumber	Varchar	0-256	O	4242234	
	Quantity PackagingCode="ENUM	ENUM	0-256	O	CTN	See XSD for complete Enum list
	Pallet			O		

PalletQuantity	Varchar	0-256	C	8	
PalletHeight	Varchar	0-256	C	3	
PalletWidth	Varchar	0-256	C	3	
Weight unit="LBS KGS"	ENUM	3	M	LBS	LBS= Pounds KGS = Kilograms
Volume unit="CFT CCM"	ENUM	3	C	CCM	CFT = Cubic Feet CCM = Cubic Centimeters
FreightClass	ENUM	0-256	O		
Description	Varchar	0-256	O	copper wire	
SKU	Varchar	0-256	O	7453332	
Value	Varchar	0-256	O	36000	
Hazardous			C		
UNCode	ENUM	0-256	C	UN3481	UN list of Hazardous Materials/ Dangerous Goods Code identifying the hazardous material identification number as required by Title 49 of the code of Federal Regulations; UN/NA stands for United Nations/North America
IMOCODE	Varchar	0-256	C		IMO list of Hazardous Materials/ Dangerous Goods
Class	ENUM		C		
ProperName	Varchar	0-256	C	Lithium Ion Battery	
Description	Varchar	0-256	C	Lithium Ion Battery	
Contact			O		Hazardous Material Contact
Name	Varchar	2-256	O	Anna Doe	
Email	Varchar	2-256	O	Anna.Doe@chr.com	
Phone	Varchar	2-256	O	8887-942-6552 ext 5	
Notes			O		
Note type="ENUM">note</Note	Varchar	0-256	O		notes relevant to the commodity
Note type="ENUM">note 2</Note	Varchar	0-256	O		notes relevant to the commodity
Financials			O		

Charges			C		
Charge ChargeCode="400 405 FUE DET ETC" ChargeAmount="400.0">Description	Varchar	0-256	C	330.3	see Enum list for charge codes
Charge ChargeCode="400 405 FUE DET ETC" ChargeAmount="400.0">Description	Varchar	0-256	C	546	
TotalCharges	Varchar	0-256	C	876.3	
CurrencyCode	ENUM	2-3	C	USD	see Enum list for Currency codes

4. Appendices

Useful Contacts

For questions send an email to chrobinsoncarriedi@chrobinson.com

To start the setup process please reach out to your CHR or TMC rep.

For questions about your existing connection (FTP/AS2) or support for a live setup please email eBizHelpDesk@chrobinson.com

Appendix A: SFTP Information (Pull)

Username and password will be provided (if applicable).

PRODUCTION Information

- FTP Address `sftp.prod.chrobinson.com`
- Port `22`
- Outbound Folder `To_CHR`
- Inbound Folder `From_CHR`

TEST Information

- FTP Address `sftp-test.chrobinson.com`
- Port `22`
- Outbound Folder `To_CHR`
- Inbound Folder `From_CHR`