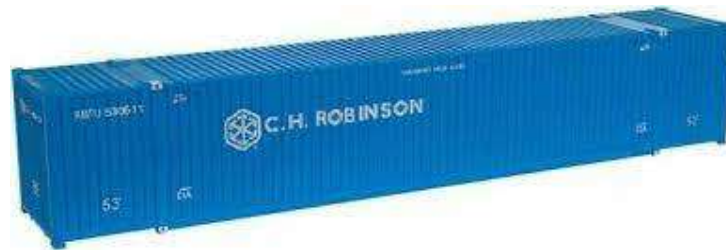


# Motor Carrier Load Tender

**XML: Motor Carrier Load Tender**



**Version: 2.0**

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## Document Information

Document Name: MESSAGE IMPLEMENTATION GUIDE  
TECHNICAL SPECIFICATION FOR XML LOAD TENDER BOOKNG  
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Prepared By: C.H. Robinson  
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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    |

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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<br>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<br>Pickup/Deliver OIDL - Delivery Order International<br>OIPU - Pickup Order International<br>IDL - Delivery Order Domestic<br>IPU - Pickup Order Domestic<br>TL- Truckload<br>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<br>SH - Shipper<br>CN - Consignee<br>SF - Ship From<br>ST - Ship To<br>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 |   | <a href="mailto:Jon.Smith@Chrobins.com">Jon.Smith@Chrobins.com</a> |  |
| 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<br>MB - Master Bill of Lading<br>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<br>Rear   | Container Loading Instructions;  |

|   |          |       |   |                          |  |
|---|----------|-------|---|--------------------------|--|
| SealNumber                                  | Varchar  | 0-256 | O | G2382564                 |  |
| 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 | <a href="mailto:Jane.Doe@CHR.com">Jane.Doe@CHR.com</a> |                                     |
|                  | Phone  | Varchar  | 2-256 | O | 8887-942-6552 ext 5                                    |                                     |
| ReferenceNumbers |  |          |       | O |  |                                     |
|                  | ReferenceNumber<br>type="DO PU DIST GL VERF" | ENUM     |       | O | 2143321  | See XSD for complete Enum list      |
|                  | ReferenceNumber<br>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<br>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/<br>Dangerous Goods Code identifying<br>the hazardous material identification<br>number as required by Title 49 of<br>the code of Federal Regulations;<br>UN/NA stands for United<br>Nations/North America |
| IMOCODE                       | Varchar | 0-256 | C |  | IMO list of Hazardous Materials/<br>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 | <a href="mailto:Anna.Doe@chr.com">Anna.Doe@chr.com</a> |   |
| 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"<br>ChargeAmount="400.0">Description | Varchar | 0-256 | C | 330.3 | see Enum list for charge codes   |
| Charge ChargeCode="400 405 FUE DET ETC"<br>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](mailto: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](mailto: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`