



# Carrier Freight Details and Invoice

**XML: Carrier Freight Details and Invoice**

**Version: 1.1**

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## Document Information

Document Name: MESSAGE IMPLEMENTATION GUIDE TECHNICAL SPECIFICATION FOR XML INVOICE  
MESSAGE  
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## Revision History

Version	Date	Author	Changes
1.0	10-30-2021	Ryan Kitchel	Create Document
1.1	3-10-2022	Ryan Kitchel	Update for changes to XML file format

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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 sending an outbound Invoice XML EDI message.

## 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.Invoice

An invoice message can be sent from a carrier to CH Robinson after delivery of a load to assist in facilitating payment.

#### 1. Invoice

XML documents must contain a root element. The **Invoices** element is the root element for the Invoice 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
Invoices					
Invoice					
InvoiceHeader					
TransactionID	Varchar / 1-9	1-1	M	10000000001	Unique identification number similia to ISA control number in X12
Invoice type	Enum / 3-10	3-10	M	NEW	Accepted values below New
CHRloadNumber	Varchar / 9-10	1-1	M	312345678	CHR Load # from XML Tender or paper tender
NetAmountDue	Enum + Varchar / 1-12	1-1	M	PaymentMethod='CC' CurrencyCode='USD'>15 3.41	Field includes 2 attributes for payment method (PP prepaid, CC collect) and currency code (USD)
NetAmountDue [Paymentmethod]	Enum / 2-2	1-1	M		PP for prepaid or CC for collect
NetAmountDue [CurrencyCode]	Enum / 2-3	1-1	M		2 or 3 char currency code
CarrierCode	Varchar / 256	0-1	O	T12345	CHR T-Code found in Booking/Tender File
SCAC	Varchar / 4-6	0-1	O	RBTW	For non-USA Carriers, this can be CH Robinson defined SCAC Code
ProNumber	Varchar / 256	0-1	O	123456	PRO number if applicable

InvoiceNumber	Varchar / 256	0-1	O	654321INV	Invoice Number
ReferenceNumbers		0-1			
ReferenceNumber	Varchar /256	0-1	O	type="ShipID">123456	Includes 1 attribute for type reference number.
ReferenceNumber [type]	Enum / 3	0-1	O		
InvoiceDetail					
InvoiceDate	Date / 10-10	1-1	M	2021-08-14	Date Stamp YYYY-MM-DD
ShipDateTim e	DateTime / 19-19	0-1	O	2021-08-10T13:00:00	Date Time Stamp YYYY-MM-DDTHH:MM:SS
DeliveryDateTime	DateTime / 19-19	0-1	O	2021-08-12T14:00:00	Date Time Stamp YYYY-MM-DDTHH:MM:SS
Parties		1-1	M		
Party [type]	Enum / 2-3	1-256	M	BT	We require 1 Party for BT, other values below are optional BT - Bill To SH - Shipper CN - Consignee SF - Ship From ST - Ship To NP - Notify Party
ID	Varchar / 256	1-256	M		For Billto this is bill to ID. For other types this is External location ID
Name	Varchar / 256	1-256	M	CHR Test	
Address	Varchar / 256	1-256	M		
AddressLineOne	Varchar / 256	1-256	M	123 Test Street	
AddressLineTwo	Varchar / 256	0-256	O		
City	Varchar / 256	1-256	M	Test City	
StateOrProvince	Varchar / 256	1-256	M	MN	
Country	Varchar / 256	1-256	M	USA	
PostalCode	Varchar / 256	1-256	M	11111	
DetentionCharg	Enum	0-256	O	Qualifier="0N">>true	Use to denote if detention is charged by this party

ed					
Contact		0-256	O		
Name	Varchar / 256	0-256	O	John Doe	
Email	Varchar / 256	0-256	O	<a href="mailto:JD@Chrobinson.com">JD@Chrobinson.com</a>	
Phone	Varchar / 256	0-256	O	123-456-789	
Equipment	Varchar / 256	0-1	O		
EquipmentNumber	Varchar / 256	0-1	O	AAAA1231239	Container Number
DescriptionCode	Varchar / 256	0-1	O		
Type	Varchar / 256	0-1	O	M2G0	ISO Container Code
Weight	Varchar / 256	0-1	O	qualifier="G">200.22	
Weight[qualifier]		0-1	O		
					Attributes are below C- Centimeters E-Feet N-Inches X-Meters
Dimensions	Varchar / 256	0-1	O		
Length	Varchar / 256	0-1	O	UOM="E">53.00	
Length[dimensionUoM]	Enum /1	0-1	O		
Width	Varchar / 256	0-1	O	UOM="E">53.00	
Width[dimensionUoM]	Enum /1	0-1	O		
Height	Varchar / 256	0-1	O	UOM="E">53.00	
Height[dimensionUoM]	Enum /1	0-1	O		
ReferenceNumbers		0-1	O		
ReferenceNumber	Varchar / 256	0-25	O	type="BM">836721234	

					Standard Codes Accepted. Send everything your system records. BOL - Bill of Lading BN - Booking MB - Master bill of Lading BM - Booking Number CN - Carrier Reference Number
ReferenceNumber[type]	Enum / 1-3	0-25	O		
Charges		1-1	M		
Charge		1-256	M		
Commodity	Varchar / 256	1-256	O	code="A101">Gadgets 51x44x60	Commodity description
Commodity[code]	Varchar / 256		M		Commodity code
Weight		1-256	M	UOM="K" qualifier="G">100.11	
Weight[UOM]	Enum / 1		M		L - Pounds K - Kilos
Weight[qualifier]	Enum / 1		M		G - Gross
FreightRate	Varchar / 0 -9	1-256	M	qualifier="FR">1	
FreightRate[qualifier]	Enum / 1-256		M		Standard Codes accepted FR - Flat Rate PL - Per Load
FreightClass	Varchar / 256	0-256	O		
Quantity	Varchar / 1-7	1-256	M	PackagingCode="PCS">1	Standard codes accepted PCS - Pieces BOX - Box
Quantity[packagingcode]	Enum / 2-3		M		
Amount	Varchar / 1-256	0-256	O	ChargeCode="400">123 .11	
Amount[chargecode]	Enum / 3		M		Standard codes accepted 400 - Line Haul 405 - Fuel Surcharge



ReceivedBy	Varchar / 256	0-256	O	John Doe	
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## 4. Appendices

### Useful Contacts

For questions send an email to [chrobinsoncarrieredi@chrobinson.com](mailto:chrobinsoncarrieredi@chrobinson.com)

To start the setup process please reach out to your CH Robinson representative.

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