



Implementation Guide Rail Carrier Shipment Information

EDI 404

**Carload Bill of Lading
Canada to Mexico
General Merchandise and
Dangerous Goods**

Version 008030

Connection to CN

CN has a secure MFT server <https://mftedi.cn.ca/> or we can push to an FTP server if you require. CN also connects with all major VAN's (Value Added Networks) and interconnects can be made available.

CN Contact

The **EDI Onboarding team** email address is EDIMGR@cn.ca. You can also visit us at www.cn.ca.

Canadian National Railway - Electronic Commerce Basic EDI 404 (Rail Bill of Lading) Requirements

Introduction

This guide is for shippers whose shipments originate in Canada and are destined to Mexico. There are three components to the customs documentation, in addition to the normal shipment documentation requirements:

1. Canadian Export Requirements
2. US In-transit Requirements
3. Mexican Import Requirements

Canadian Export Requirements

CN & Canada Border Services Agency (CBSA) requires the following information to be available on the Bill of Lading:

1. Equipment initial/number
2. Actual shipper name, address, city, province/state
3. Final (ultimate) consignee name, address, city, province/state
4. Total number of pieces and package type
5. Complete and accurate description of goods
6. Total weight and unit of measure
7. Complete route to Mexican destination
8. Proof of report for Canada Customs: B13A Export Declaration time stamp number, or Canadian Automated Export Declaration (CAED) number, or Summary Reporting number

US In transit Requirements

In addition to the above information, the US government requires the following:

9. Invoice value and currency
10. Country of origin of the goods
11. Seal numbers
12. Harmonized Tariff Schedule (HTS) code (minimum 6-digit)
13. Other government agencies documents or permits as required.
14. US Customs Broker for filing of FDA prior notification.

Mexican Import Requirements – new for version 8030:

In addition to the above information, the Mexican government requires that all shipments have the following information which now includes the new Carta Porte requirements:

15. Importer name, address, city, province/state, if different than the consignee
16. Mexican Customs broker name, address, city, state, postal code, country
17. US Forwarder name, address, city, state, postal code, country, if not the same as the Mexican Customs broker
18. UNSPSC Commodity Code per the SAT Catalogue
19. Mexican Customs Tariff Rate Code
20. UN/NA Identification Code for dangerous goods/hazardous materials
21. Mexico Hazardous Packaging Type Code
22. Complete Commodity Description – quantity, SAT commodity description, weight unit measure, weight, and package type
23. Shipper's 24-hour contact information
24. Mexico Material Type Code
25. Mexico Packaging Type Code

26. Federal Taxpayer's Identification Number for the Shipper, Consignee, Party to receive freight bill/Party to be billed, and Importer.

Freight Payment Options

There are two options for the payment of freight into Mexico:

1. Single invoice for the entire move, where provided for in your contract.
2. Rule 11, whereby more than one invoice is sent per movement. For a rule 11 shipment the following information is required, and is shown in the example in this document:
 - a. Rule 11 indicator in the BX03
 - b. Rule 11 indicator in the R2 segment
 - c. Rule 11 Payer of Freight indicated in the N1*11 group.
 - d. Rule 11 Split information contained in the BL segment.

Canadian National Railway - Electronic Commerce Basic EDI 404 (Rail Bill of Lading) Requirements

The enclosed documentation covers information required to handle carload traffic for both general merchandise and dangerous goods from a Canadian origin to a Mexican destination.

On this version 8030, there is a new requirement in the R2 segment that when there are multiple R2 segments present, the R203 (junction) is required on each, except for the final R2 segment.

Canadian National Railway - Electronic Commerce Canada to Mexico EDI 404 (Rail Bill of Lading) Requirements

CN recommends EDI shippers to be within 2 versions of the current EDI Standard X12 Standard
Version/Release 8030/RAIL

Sample EDI Transmission with required data for the EDI 404 Transaction Set on traffic of
general merchandise to a Mexican destination.

EDI 404 with mandatory transborder data highlighted in bold red.

ISA*00* *00* *ZZ*GENERIC *02*CN *231115*1228*U*00803*000040058*1*P*:
GS*SR*GENERIC*CN*20231115*1228*31656*X*008030
ST*404*151228438
BX*00*R*11*1257*CN*K*B*N***14*N*2
BNX*A**S
M3*R*20231115*1228*CT
N9*BM*1257**20231115*1228
N9*PO*X80016
N9*2K*FDA**20231009*0934
N9*CED*ZZ1234202311051234567
N9*HS*340319
N7*CN*123456*75080*N*****RR
M7*1234*5678
M12*62
REF*UNC*50221302
N9*MTC*1107100100
N9*MPC*NC
N9*MMT*01
N10*1*Barley Malt, Not Roasted*****K*75080**CLD*CA
N10****J*340319*265166*****CA**USD
F9**TAYLOR*BC
D9**MOLINO*VL
N1*SH*GENERIC CARLOAD INC
N3*123 MAIN ST
N4*TAYLOR*BC*V0C 2K0*CA
PER*SP*JOHN DOE*TE*5555551234*EM*JOHN.DOE@GENCAR.com
REF*TJ*123456789
N1*CN*MEXICAN COMPANY INC
N3*AVENIDA SAN JUAN NO.1C.P. 94452
N4*MOLINO*VL*94452*MX
REF*TJ*123456789
N1*XU*LIVINGSTON INTERNATIONAL

N3*P.O. BOX 3789*270 C STREET
N4*BLAINE*WA*98231-378*US
N1*11*GENERIC CARLOAD INC
N3*123 MAIN ST
N4*TAYLOR*BC*V0C 2K0*CA
REF*TJ*123456789
BL*RD****TAYLOR*BC***LAREDO*TX**CN*KCS
N1*11*MEXICAN COMPANY INC
N3*AV JAIME BALMES 8 PISO 9 INT 901-904 COL LOS MORALES
N4*MEXICO*DF*11510*MX
REF*TJ*123456789
BL*RC****LAREDO*TX***MOLINO*VL**KCSM
N1*XR*MA. SARA MYRTHALA ESPINOSA GONZALEZ
N3*MATAMOROS 508 ALTOS
N4*NUEVO LAREDO*TM*88000*MX
N1*FW*TRANS AMERICA STORAGE&FORWARDING CO INC
N3*8600 SAN LORENZO DRIVE*TEJAS IND. PARK II
N4*LAREDO*TX*78045-870*US
N1*IM*MEXICAN COMPANY INC
N3*AV JAIME BALMES 8 PISO 9 INT 901-904 COL LOS MORALES
N4*MEXICO*DF*11510*MX
REF*TJ*123456789
R2*CN*R*JACKN
R2*KCS*1*LAREDO
R2*KCSM*2
LX*1
L5*1*MALT*2083110*T
L0*1***75080*N***1*CLD
MEA*AI*VOL*250.6041*CR***15
MEA**VWT*0.7167*KC***15
X1***C*****1*265166.00
XH*USD*N*FCB
SE*69*151228438
GE*1*31656
IEA*1*000040058

ISA Segment: Interchange Control Header

**ISA*00* *00* *ZZ*GENERIC *02*CN
 *231115*1228*U*00803*000040058*1*P*:**

Ref. Des.	Name	Data Element	Attributes	
ISA01	Authorization Information Qualifier	I01	ID	2/2
ISA02	Authorization Information (Ten spaces)	I02	AN	10/10
ISA03	Security Information Qualifier	I03	ID	2/2
ISA04	Security Information (Ten spaces)	I04	AN	10/10
ISA05	Interchange ID Qualifier	I05	ID	2/2
ISA06	Interchange Sender ID (GENERIC - fill out field with spaces)	I06	AN	15/15
ISA07	Interchange ID Qualifier (If RR SCAC use 02)	I05	ID	2/2
ISA08	Interchange Receiver ID (CN- fill out field with spaces)	I07	AN	15/15
ISA09	Interchange Date (YYMMDD)	I08	DT	6/6
ISA10	Interchange Time (HHMM)	I09	TM	4/4
ISA11	Repetition Separator (Suggest “^”)	I65		1/1
ISA12	Interchange Control Version Number (Value 00803)	I11	ID	5/5
ISA13	Interchange Control Number (a control number assigned by sender)	I12	N0	9/9
ISA14	Acknowledgment Requested	I13	ID	1/1

	(0 = none requested) (1= requested)			
ISA15	Usage Indicator (P = Production) (T = Test)	I14	ID	1/1
ISA16	Component Element Separator (Suggest “:”)	I15		1/1

GS Segment: Functional Group Header

GS*SR*GENERIC*CN*20231115*1228*31656*X*008030

Ref. Des.	Name	Data Element	Attributes	
GS01	Functional Identifier Code (SR = Rail Carrier Shipment Information)	479	ID	2/2
GS02	Application Sender's Code (Customer's sender ID)	142	AN	2/15
GS03	Application Receiver's Code (CN = Canadian National)	124	AN	2/15
GS04	Date (CCYYMMDD)	373	DT	8/8
GS05	Time (HHMM)	337	TM	4/6
GS06	Group Control Number (Assigned number originated and maintained by the sender)	28	N0	1/9
GS07	Responsible Agency Code (X = Accredited Standards Committee X12)	455	ID	1/2
GS08	Version / Release / Industry Identity	480	AN	1/12

ST Segment: Transaction Set Header

To indicate the start of a transaction set and to assign a control number.

ST*404*151228438

Ref. Des.	Name	Data Element	Attributes	
ST01	Transaction Set Identifier Code (404 = Rail Carrier Shipment Information (Bill of Lading))	143	ID	3/3
ST02	Transaction Set Control Number (Sequential control number generated by Customer)	329	AN	4/9

BX Segment: General Shipment Information

BX*00*R*11*1257*CN*K*B*N*14*N*2**

Ref. Des.	Name	Data Element	Attributes	
BX01	Transaction Set Purpose Code (00=Original)	353	ID	2/2
BX02	Transportation Method/Type Code (R=Rail)	91	ID	1/2
BX03	Shipment Method of Payment (11=rule 11)	146	ID	2/2
BX04	Shipment Identification number (1257)	145	AN	1/30
BX05	Standard Carrier Alpha Code	140	ID	2/4
BX06	Weight Unit Code (K=Kilograms)	188	ID	1/1
BX07	Shipment Qualifier (B=Bill of Lading for Individual Shipment)	147	ID	1/1
BX08	Section Seven Code (N=not in effect)	226	ID	1/1
BX11	Customs Documentation Handling Code (14=Proforma and B13 entered)	501	ID	2/2
BX12	Confidential Billing Request Code (N=not applicable)	199	ID	1/1
BX13	Goods and Services Tax Reason Code	714	ID	1/1

(2=Outbounds Goods and Services Tax Declaration to USA only)

BNX Segment: Rail Shipment Information

BNX*AS**

Ref. Des.	Name	Data Element	Attributes	
BNX01	Shipment Weight Code (A=Weight Agreement)	460	ID	1/1
BNX03	Billing Code (S=Single Shipment Billing)	11	ID	1/1

M3 Segment: Release

Indicates whether shipment is to be released for movement when the transmission is received or will be released at a future date.

M3*R*20231115*1228*CT

Ref. Des.	Name	Data Element	Attributes	
M301	Release Code	132	ID	1/1
M302	Release Date (CCYYMMDD)	373	DT	8/8
M303	Release Time (HHMM, 24-hour clock)	337	TM	4/8
M304	Time Code (CT = central time)	623	ID	2/2

N9 Segment: Extended Reference Information

Allows Reference Numbers to be sent to CN. At least one N9 segment containing a Bill of Lading number must be included. This number will be included on all other documents such as Freight Invoice and remittance/Payment. The complete list of qualifiers (N901 data element 128) is lengthy. Your CN EDI Customer Consultant can provide you with the appropriate qualifier to identify the reference number correctly.

N9*BM*125720231115*1228**
N9*PO*X80016
N9*2K*FDA20231009*0934**
N9*CED*ZZ1234202311051234567
N9*HS*340319

Ref. Des.	Name	Data Element	Attributes
N901	Reference Number Qualifier (BM=Bill of Lading No) (PO=Purchase Order No) (CED=CBSA Export Declaration Number) (2K=FDA Product type)	128	ID 2/3

(HS=harmonized system code)

N902 Reference Number 127 AN 1/30

If N901=BM, only 15 characters are allowed max.

If N901=2K then N902 will be FDA

If N901=CED then N902 will be one of the following:

1. Canadian Automated Export Declaration (CAED)***note** BX11 value will be **14**
N9*CED*12X543SC123420050312345
2. G7 EDI Export Reporting ***note** BX11 value will be **14**
N9*CED*SC123420050312345
3. Summary Reporting ID number ***note** BX11 value will be **16**
N9*CED*SUM1234
4. Form B13A Export Declaration
Stamp Machine or Manual Customs Stamp ***note** BX11 value will be **14**
N9*CED*200503171300497000235
5. No Declaration Required (NDR) ***note** BX11 value will be **30**
N9*CED*NO DECLARATION IS REQUIRED

N904 Date (YYYYMMDD) 373 DT 8/8

N905 Time (HHMM) 337 TM 4/8

N7 Segment: Equipment Details

N7*CN*123456*75080*N***RR**

Ref. Des.	Name	Data Element	Attributes
N701	Equipment Initial	206	AN 1/4
N702	Equipment Number	207	AN 1/15
N703	Weight	81	R 1/10
N704	Weight Qualifier (N=Actual net weight)	187	ID 1/2
N711	Equipment Description Code (RR=Rail Car)	40	ID 2/2

M7 Segment: Seal Numbers

M7*1234*5678

Ref. Des.	Name	Data Element	Attributes
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M701	Seal Number	225	AN 2/15
M702	Seal Number	225	AN 2/15

M12 Segment: In-bond Identifying Information

M12*62

Ref. Des.	Name	Data Element	Attributes
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M1201	Customs Entry Type Code (62=Transportation Exportation (T&E) bond)	581	ID 2/3
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REF Segment: Reference Information

Within N7/REF Loop

REF*UNC*50221302

Ref. Des.	Name	Data Element	Attributes
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REF01	Reference Identification Qualifier (UNC=United Nations Standard Products and Service Code UNSPSC)	128	ID 2/3
REF02	Reference Identification	127	AN 1/30

N9 Segment: Extended Reference Information

Within N7/REF Loop

N9*MTC*1107100100
N9*MPC*NC
N9*MMT*01

Ref. Des.	Name	Data Element	Attributes
N901	Reference Number Qualifier (MTC=Mexican Tariff Rate Code) (MPC=Mexico Unit Packaging Code) (MHC=Mexico Servicio de Administracion Tributaria (SAT) Hazardous Code) (MHP=Mexico Hazardous Packaging Code) (MMT = Mexico Material Type Code)	128	ID 2/3
N902	Reference Number	127	AN 1/30

N10 Segment: Quantity and Description

Within N7/REF Loop

N10*1*Barley Malt, Not Roasted***K*75080**CLD*CA**
N10**J*340319*265166*****CA**USD**

Ref. Des.	Name	Data Element	Attributes
N1001	Quantity <i>**Required with REF*UNC</i>	380	R 1/15
N1002	Free Form Description Used for Commodity Description <i>**Required with REF*UNC</i>	369	AN 1/45

N1004	Commodity Code Qualifier (J=harmonized system code) (T=Standard Transportation Commodity Code (STCC)) <i>**Mandatory if M1201 is 62 or 63 for export</i>	23	ID	1/2
N1005	Commodity Code <i>**Mandatory if M1201 is 62 or 63 for export</i>	22	AN	1/30
N1006	Customs Shipment Value <i>**Mandatory if M1201 is 62 or 63 for export</i>	602	N0	2/9
N1007	Weight Unit Code <i>**Mandatory if M1201 is 62 or 63 for export</i> <i>**Required on loaded shipments with REF*UNC</i>	188	ID	1/1
N1008	Weight <i>**Mandatory if M1201 is 62 or 63 for export</i> <i>**Required on loaded shipments with REF*UNC</i>	81	R	1/10
N1010	Manifest Unit Code <i>**Required with REF*UNC</i>	599	ID	1/3
N1011	Country Code <i>**For North American countries, use the ISO-3166 Alpha-2 character code.</i>	26	ID	2/3
N1013	Currency Code (US Dollars Only)	100	ID	3/3

F9 Segment: Origin Station

Indicates the origin of the shipment, the point from where it is shipped. Spelling should be in accordance with that listed in the Standard Point Location Code (SPLC) standards available from the National Transportation Agency (Canada). CN can provide spelling for your stations.

F9TAYLOR*BC**

Ref. Des.	Name	Data Element	Attributes
F902	Origin Station	19	AN 2/30
F903	State or Province Code	156	ID 2/2

D9 Segment: Destination Station

Indicates the destination of the shipment, the point at which it will be unloaded or where the transportation responsibility reverts the consignee. Spelling should be in accordance with that listed in the Standard Point Location Code (SPLC) standard available from National Motor Freight Tariff Association (USA) or the National Transportation Agency (Canada). CN can provide spellings for your stations.

D9MOLINO*NL**

Ref. Des.	Name	Data Element	Attributes
D902	Destination Station	19	AN 2/30
D903	State or Province Code	156	ID 2/2

N1 Segment: Party Identification

Associated to N3 and N4 segments below. N1, N3 and N4, and PER segments are repeated for all Parties to the shipment.

**N1*SH*GENERIC CARLOAD INC
N3*123 MAIN ST
N4*TAYLOR*BC*V0C 2K0*CA
N1*CN*MEXICAN COMPANY INC
N3*AVENIDA SAN JUAN NO.1C.P. 94452
N4*MOLINO*VL*94452*MX
N1*XU*LIVINGSTON INTERNATIONAL
N3*P.O. BOX 3789*270 C STREET
N4*BLAINE*WA*98231-378*US**

N1*11*GENERIC CARLOAD INC
N3*123 MAIN ST
N4*TAYLOR*BC*V0C 2K0*CA
N1*11*MEXICAN COMPANY INC
N3*AV JAIME BALMES 8 PISO 9 INT 901-904 COL LOS MORALES
N4*MEXICO*DF*11510*MX
N1*XR*MA. SARA MYRTHALA ESPINOSA GONZALEZ
N3*MATAMOROS 508 ALTOS
N4*NUEVO LAREDO*TM*88000*MX
N1*FW*TRANS AMERICA STORAGE&FORWARDING CO INC
N3*8600 SAN LORENZO DRIVE*TEJAS IND. PARK II
N4*LAREDO*TX*78045-870*US
N1*IM*MEXICAN COMPANY INC
N3*AV JAIME BALMES 8 PISO 9 INT 901-904 COL LOS MORALES
N4*MEXICO*DF*11510*MX

Ref. Des.	Name	Data Element	Attributes
N101	Entity Identifier Code (SH=Shipper) (CN=Consignee) (11=Party to be Billed Rule 11) (XU=US Customs Broker) (XR=Mexican Customs Broker) (FW=Forwarder) (IM = Importer) **mandatory for all shipments going into Mexico	98	ID 2/3
N102	Name	93	AN 1/35

N3 Segment: Party Location

Ref. Des.	Name	Data Element	Attributes
N301	Address Information	166	AN 1/30
N302	Address Information	166	AN 1/30

N4 Segment: Geographic Location

Ref. Des.	Name	Data Element	Attributes
N401	City Name	19	AN 2/30
N402	State or Province Code	156	ID 2/2
N403	Postal Code	116	ID 3/15
N404	Country Code	26	ID 2/3

***For North American countries, use the ISO-3166 Alpha-2 character code.*

PER Segment: Administrative Communications Contact

Provides contact information for the party identified in the previous N1*SH segment.

PER*SP*JOHN DOE*TE*5555551234*EM*JOHN.DOE@GENCAR.com

Ref. Des.	Name	Data Element	Attributes
PER01	Contact Function Code <i>(SP=Special Program contact)</i>	366	ID 2/2
	<i>**Special Program Contact added per SAT requirement. The Shipper Special Program Contact is a required field to provide emergency contact information of the Shipper.</i>		
PER02	Name	93	AN 1/35
PER03	Communication Qualifier Number (TE=telephone number) (EM=email address)	365	ID 2/2
	<i>**Both TE and EM are required for SAT requirement.</i>		
PER04	Communication Number	364	AN 1/80
PER05	Communication Number Qualifier (TE=telephone number) (EM=email address)	365	ID 2/2
PER06	Communication Number	364	AN 1/80

REF Segment: Reference Information

Within the N1 Loop

REF*TJ*123456789

Ref. Des.	Name	Data Element	Attributes
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REF01 Reference Identification Qualifier 128 ID 2/3
(TJ=Federal Taxpayer's Identification Number)

****Required for Shipper, Consignee, and Party to receive freight bill/Party to be billed when a REF*UNC is present. Must contain the Taxpayer ID for the country listed in the N404.**

****Mandatory for the N1*IM**

REF02 Reference Identification 127 AN 1/30

BL Segment: Billing Information

Provides information on how the invoices for each route segment will be generated for this shipment. This segment can only be used when the previous N1 is a Rule 11 Paying Party (11)

BL*RD**TAYLOR*BC***LAREDO*TX**CN*KCS**
BL*RC**LAREDO*TX***MOLINO*VL**KCSM**

Ref. Des.	Name	Data Element	Attributes	
BL01	Rebill reason code (RC=Contract is with the delivering carrier) (RD=Contract is with the originating carrier after the city listed in the BL05)	747	ID	2/2
BL05	City Name <i>**The BL05 through BL07 is the city, state/province, and country for the rate for the beginning portion of the move.</i>	19	AN	2/30
BL06	State or Province code <i>If a Rule260 abbreviation is not used in the BL05, this must be included.</i>	156	ID	2/2
BL07	Country Code	26	ID	2/3
BL09	City Name <i>**The BL09 through BL11 is the city, state/province, and country for the rate for the ending portion of the move.</i>	19	AN	2/30
BL10	State or Province code <i>If a Rule260 abbreviation is not used in the BL09, this must be included.</i>	156	ID	2/2
BL11	Country Code	26	ID	2/3
BL12	Standard Carrier Alpha Code The SCAC of the railroad that will issue the invoice.	140	ID	2/4
BL13	Standard Carrier Alpha Code The SCAC of the railroad that will issue the invoice.	140	ID	2/4

R2 Segment: Route Information

Identifies the complete route of movement from origin to destination covered by this contract.

R2*CN*R*JACKN

R2*KCS*1*LAREDO
R2*KCSM*2

Ref. Des.	Name	Data Element	Attributes
R201	Standard Carrier Alpha Code (SCAC) (CN=Canadian National)	140	ID 2/4
R202	Routing Sequence Code (R=Origin Carrier, Rule 11 Shipment) (1=1st Carrier After Origin Carrier) (2=2 nd Carrier after origin carrier)	133	ID 1/2
R203	Junction Name (Contains Rule 260 abbreviation only)	19	AN 2/30

****When multiple iterations of the R2 segment are present, the R203 is required on each, except for the final**

LX Segment: Transaction Set Line Number

LX*1

Ref. Des.	Name	Data Element	Attributes
LX01	Assigned Number (Number assigned for differentiation within a transaction set)	554	N0 1/6

L5 Segment: Description, Marks, and Numbers

CN can provide Standard Transportation Commodity Codes (STCC) for your commodities. The commodity code is required only on the first L5 segment. Additional L5 segments can be used to provide additional description of lading.

L5*1*MALT*2083110*T

Ref. Des.	Name	Data Element	Attributes	
L501	Lading Line Item Number	213	N0	1/6
L502	Lading Description	79	AN	1/50
L503	Commodity Code	22	AN	1/30
L504	Commodity Code Qualifier (T= STCC Code)	23	ID	1/1

L0 Segment: Line Item - Quantity and Weight

L0*1*75080*N***1*CLD**

Ref. Des.	Name	Data Element	Attributes	
L001	Lading Line-Item Number	213	N0	1/6
L004	Weight	81	R	1/10
L005	Weight Qualifier (N=Actual weight)	187	ID	1/2
L008	Lading Quantity	80	N0	1/7
L009	Packaging Form Code (CLD=carload)	211	ID	3/3

MEA Segment: Measurements

To specify physical measurements or counts, including dimensions, tolerances, variances, and weights.

MEA*AI*VOL*250.6041*CR*15**
MEAVWT*0.7167*KC***15**

Ref. Des.	Name	Data Element	Attributes
MEA01	Measurement Reference ID Code (AI = Net Compliance Total)	737	ID 2/2
MEA02	Measurement Qualifier (VOL = volume) (VWT = volume weight)	738	ID 1/3
MEA03	Measurement Value	739	R 1/28
MEA04	Unit or Basis for measurement code (CR = cubic meters) (KC = kilograms per cubic meter)	355	ID 2/2
MEA07	Measurement significance code (15 = Standard temperature and pressure)	935	ID 2/2

X1 Segment: Export License

Mandatory for transborder shipments

X1*C*****1*265166.00**

Ref. Des.	Name	Data Element	Attributes
X103	Export License Status Code (C=complete)	51	ID 1/1
X110	Lading Quantity	80	N0 1/7
X111	Lading Value	148	R 2/9

XH Segment: Pro Forma - B13 Information

Communicates Customs information on this shipment that will be passed to all customs brokers listed on the shipment.

XH*USD*N*FCB

Ref. Des.	Name	Data Element	Attributes	
XH01	Currency Code	100	ID	3/3
XH02	Related Company Indication Code (N=transaction between unrelated companies)	645	ID	1/1
XH03	Special Charge or Allowance Code (FCB=freight charges to border)	150	ID	3/3

SE Segment: Transaction Set Trailer

SE*67*151228438

Ref. Des.	Name	Data Element	Attributes	
SE01	Number of Included Segments (Includes ST and SE segments)	96	N0	1/10
SE02	Transaction Set Control Number (Repeated from ST segment ST02)	329	AN	4/9

GE Segment: Functional Group Trailer

GE*1*31656

Ref. Des.	Name	Data Element	Attributes	
GE01	Number of Transaction Sets Included	97	N0	1/6
GE02	Group Control Number (Repeated from GS Segment GS06)	28	N0	1/9

IEA Segment: Interchange Control Trailer

IEA*1*000040058

Ref.	Name	Data Element	Attributes	
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Des.

IEA01	Number of included Functional Groups	I16	N0	1/5
IEA02	Interchange Control Number (Same number as ISA13)	I12	N0	9/9

**Canadian National Railway - Electronic Commerce
Canada to Mexico Hazardous EDI 404 (Rail Bill of Lading) Requirements**

CN is currently using the X12 Standard Version/Release 8030/RAIL

Sample EDI Transmission with required data for the 404 Transaction Set on Dangerous Goods traffic to a Mexican destination.

EDI 404 with mandatory transborder data highlighted in bold red.

ISA*00* *00* *ZZ*GENERIC *02*CN *231115*1228*U*00803*000040058*1*P*:
GS*SR*GENERIC*CN*20231115*1228*31656*X*008030
ST*404*151228438
BX*00*R*11*1257*CN*K*B*N***30*N*2
BNX*A**S
M3*R*20231115*1228*CT
N9*BM*1257**20231115*1228
N9*HS*271112
N7*CGTX*12345*59261*N***RR**
M7*1234*5678
M12*62
REF*UNC*15111501
N9*MTC*2711120100
N9*MHC*UN1075
N9*MHP*Z01
N9*MPC*NC
N9*MMT*03
N10*1*PROPANE***K*59261**TKR*CA**
N10**T*4905421*131423*****CA**USD**
F9**TAYLOR*BC
D9**MOLINO*VL
N1*SH*GENERIC CARLOAD INC
N3*123 MAIN ST
N4*TAYLOR*BC*VOC 2K0*CA
PER*SP*JOHN DOE*TE*5555551234*EM*JOHN.DOE@GENCAR.com
REF*TJ*123456789
N1*CN*MEXICAN COMPANY INC
N3*AVENIDA SAN JUAN NO.1C.P. 94452
N4*MOLINO*VL*94452*MX
REF*TJ*123456789
N1*XU*LIVINGSTON INTERNATIONAL
N3*P.O. BOX 3789*270 C STREET
N4*BLAINE*WA*98231-378*US
N1*11*GENERIC CARLOAD INC
N3*123 MAIN ST

N4*TAYLOR*BC*V0C 2K0*CA
REF*TJ*123456789
BL*RD***TAYLOR*BC***LAREDO*TX**CN*KCS
N1*11*MEXICAN COMPANY INC
N3*AV JAIME BALMES 8 PISO 9 INT 901-904 COL LOS MORALES
N4*MEXICO*DF*11510*MX
REF*TJ*123456789
N1*IM*MEXICAN COMPANY INC
N3*AV JAIME BALMES 8 PISO 9 INT 901-904 COL LOS MORALES
N4*MEXICO*DF*11510*MX
REF*TJ*123456789
BL*RC***LAREDO*TX***MOLINO*VL**KCSM
N1*XR*MA. SARA MYRTHALA ESPINOSA GONZALEZ
N3*MATAMOROS 508 ALTOS
N4*NUEVO LAREDO*TM*88000*MX
N1*FW*TRANS AMERICA STORAGE&FORWARDING CO INC
N3*8600 SAN LORENZO DRIVE*TEJAS IND. PARK II
N4*LAREDO*TX*78045-870*US
R2*CN*R*JACKN
R2*KCS*1*LAREDO
R2*KCSM*2
LX*1
L5*1*LIQUEFIED PETROLEUM GASES*4905421*T
L0*1***59261*N***1*TKR
MEA*AI*VOL*250.6041*CR***15
MEA**VWT*0.7167*KC***15
X1***C*****1*131423.00
LS*LH1
LH1*TK*1*UN1075**4905421*KG*59261
LH2*2.1*P
LH3*LIQUEFIED PETROLEUM GASES*C
LH4*2-1111*1-800-265-0212
PER*CN*offeror name or contract number*TE*321*321*4321
PER*HM*offeror name or contract number*TE*123-123-1234
PER*MX*offeror name or contract number*TE*521234567890
N1*SH*GENERIC CARLOAD INC
N3*123 MAIN ST
N4*TAYLOR*BC*V0C 2K0
LH6*JOHN Q SHIPPER
LE*LH1
XH*USD*N*FCB
SE*79*151228438
GE*1*31656
IEA*1*000040058

BX Segment: General Shipment Information

BX*00*R*11*1257*CN*K*B*N*30*N*2**

Ref. Des.	Name	Data Element	Attributes
BX01	Transaction Set Purpose Code (00=Original)	353	ID 2/2
BX02	Transportation Method/Type Code (R=Rail)	91	ID 1/2
BX03	Shipment Method of Payment (11=rule 11)	146	ID 2/2
BX04	Shipment Identification number (1257)	145	AN 1/30
BX05	Standard Carrier Alpha Code	140	ID 2/4
BX06	Weight Unit Code (K=Kilograms)	188	ID 1/1
BX07	Shipment Qualifier (B=Bill of Lading for Individual Shipment)	147	ID 1/1
BX08	Section Seven Code (N=not in effect)	226	ID 1/1
BX11	Customs Documentation Handling Code (30=Proforma with Broker at Port of exit - B13 Not Required)	501	ID 2/2
BX12	Confidential Billing Request Code (N=not applicable)	199	ID 1/1
BX13	Goods and Services Tax Reason Code (2=Outbounds Goods and Services Tax Declaration to USA only)	714	ID 1/1

BNX Segment: Rail Shipment Information

BNX*AS**

Ref. Des.	Name	Data Element	Attributes	
BNX01	Shipment Weight Code (A=Weight Agreement)	460	ID	1/1
BNX03	Billing Code (S=Single Shipment Billing)	11	ID	1/1

M3 Segment: Release

Indicates whether shipment is to be released for movement when the transmission is received or will be released at a future time.

M3*R*20231115*1228*CT

Ref. Des.	Name	Data Element	Attributes	
M301	Release Code	132	ID	1/1
M302	Release Date (CCYYMMDD)	373	DT	8/8
M303	Release Time (HHMM, 24-hour clock)	337	TM	4/8
M304	Time Code (CT = central time)	623	ID	2/2

N9 Segment: Extended Reference Information

Allows Reference Numbers to be sent to CN. At least one N9 segment containing a Bill of Lading number must be included. This number will be included on all other documents such as Freight Invoice and remittance/Payment. The complete list of qualifiers (N901 data element 128) is lengthy. Your CN EDI Customer Consultant can provide you with the appropriate qualifier for your reference number.

N9*BM*125720231115*1228**

N9*HS*271112

Ref. Des.	Name	Data Element	Attributes	
N901	Reference Number Qualifier (BM=Bill of Lading No) (HS=harmonized system code)	128	ID	2/3

N902	Reference Number	127	AN	1/30
N904	Date (YYYYMMDD)	373	DT	8/8
N905	Time (HHMM)	337	TM	4/8

N7 Segment: Equipment Details

N7*CGTX*12345*59261*N***RR**

Ref. Des.	Name	Data Element	Attributes	
N701	Equipment Initial	206	AN	1/4
N702	Equipment Number	207	AN	1/15
N703	Weight	81	R	1/10
N704	Weight Qualifier (N=Actual net weight)	187	ID	1/2
N711	Equipment Description Code (RR=Rail Car)	40	ID	2/2

M7 Segment: Seal Numbers

M7*1234*5678

Ref. Des.	Name	Data Element	Attributes	
M701	Seal Number	225	AN	2/15
M702	Seal Number	225	AN	2/15

M12 Segment: In-bond Identifying Information

M12*62

Ref. Des.	Name	Data Element	Attributes	
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M1201 Customs Entry Type Code 581 ID 2/3
(62=Transportation Exportation (T&E) bond)

REF Segment: Reference Information

Within N7/REF Loop

REF*UNC*50221302

Ref. Des.	Name	Data Element	Attributes
REF01	Reference Identification Qualifier (UNC=United Nations Standard Products and Service Code UNSPSC)	128	ID 2/3
REF02	Reference Identification	127	AN 1/30

N9 Segment: Extended Reference Information

Within N7/REF Loop

N9*MTC*2711120100
N9*MHC*UN1075
N9*MHP*Z01
N9*MPC*NC
N9*MMT*03

Ref. Des.	Name	Data Element	Attributes
N901	Reference Number Qualifier (MTC=Mexican Tariff Rate Code) (MHC=Mexico Servicio de Administracion Tributaria (SAT) Hazardous Code) (MPC=Mexico Unit Packaging Code) (MHP=Mexico Hazardous Packaging Code) (MMT = Mexico Material Type Code)	128	ID 2/3

N902 Reference Number 127 AN 1/30

N10 Segment: Quantity and Description

Within N7/REF Loop

N10*1*PROPANE***K*59261**TKR*CA
N10****T*4905421*131423*****CA**USD**

Ref. Des.	Name	Data Element	Attributes
N1001	Quantity <i>**Required with REF*UNC</i>	380	R 1/15
N1002	Free Form Description Used for Commodity Description <i>**Required with REF*UNC</i>	369	AN 1/45
N1004	Commodity Code Qualifier (J=harmonized system code) (T=Standard Transportation Commodity Code (STCC)) <i>**Mandatory if M1201 is 62 or 63 for export</i>	23	ID 1/2
N1005	Commodity Code <i>**Mandatory if M1201 is 62 or 63 for export</i>	22	AN 1/30
N1006	Customs Shipment Value <i>**Mandatory if M1201 is 62 or 63 for export</i>	602	N0 2/9
N1007	Weight Unit Code <i>**Mandatory if M1201 is 62 or 63 for export **Required on loaded shipments with REF*UNC</i>	188	ID 1/1

N1008	Weight	81	R	1/10
	<i>**Mandatory if M1201 is 62 or 63 for export</i>			
	<i>**Required on loaded shipments with REF*UNC</i>			
N1010	Manifest Unit Code	599	ID	1/3
	<i>**Required with REF*UNC</i>			
N1011	Country Code	26	ID	2/3
	<i>**For North American countries, use the ISO-3166 Alpha-2 character code.</i>			
N1013	Currency Code (US Dollars Only)	100	ID	3/3

F9 Segment: Origin Station

Indicates the origin of the shipment, the point from where it is shipped. Spelling should be in accordance with that listed in the Standard Point Location Code (SPLC) standards available from the National Transportation Agency (Canada). CN can provide spelling for your stations.

F9TAYLOR*BC**

Ref. Des.	Name	Data Element	Attributes	
F902	Origin Station	19	AN	2/30
F903	State or Province Code	156	ID	2/2

D9 Segment: Destination Station

Indicates the destination of the shipment, the point at which it will be unloaded or where the transportation responsibility reverts to the consignee. Spelling should be in accordance with that listed in the Standard Point Location Code (SPLC) standard available from National Motor Freight Tariff Association (USA) or the National Transportation Agency (Canada). CN can provide spellings for your stations.

D9MOLINO*NL**

Ref.	Name	Data Element	Attributes	
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Des.

D902	Destination Station	19	AN	2/30
D903	State or Province Code	156	ID	2/2

N1 Segment: Party Identification

Associated to N3 and N4 segments below. N1, N3 and N4, and PER segments are repeated for all Parties to the shipment.

**N1*SH*GENERIC CARLOAD INC
N3*123 MAIN ST
N4*TAYLOR*BC*V0C 2K0*CA
N1*CN*MEXICAN COMPANY INC
N3*AVENIDA SAN JUAN NO.1C.P. 94452
N4*MOLINO*VL*94452*MX
N1*XU*LIVINGSTON INTERNATIONAL
N3*P.O. BOX 3789*270 C STREET
N4*BLAINE*WA*98231-378*US
N1*11*GENERIC CARLOAD INC
N3*123 MAIN ST
N4*TAYLOR*BC*V0C 2K0*CA
N1*11*MEXICAN COMPANY INC
N3*AV JAIME BALMES 8 PISO 9 INT 901-904 COL LOS MORALES
N4*MEXICO*DF*11510*MX
N1*XR*MA. SARA MYRTHALA ESPINOSA GONZALEZ
N3*MATAMOROS 508 ALTOS
N4*NUEVO LAREDO*TM*88000*MX
N1*FW*TRANS AMERICA STORAGE&FORWARDING CO INC
N3*8600 SAN LORENZO DRIVE*TEJAS IND. PARK II
N4*LAREDO*TX*78045-870*US
N1*IM*MEXICAN COMPANY INC
N3*AV JAIME BALMES 8 PISO 9 INT 901-904 COL LOS MORALES
N4*MEXICO*DF*11510*MX**

Ref. Des.	Name	Data Element	Attributes	
N101	Entity Identifier Code (SH=Shipper) (CN=Consignee) (C1=Care of Party) (11=Party to be Billed Rule 11) (XU=US Customs Broker) (XR=Mexican Customs Broker) (FW=Forwarder) (IM = Importer) **mandatory for all shipments going into Mexico	98	ID	2/3
N102	Name	93	AN	1/35

N3 Segment: Party Location

Ref. Des.	Name	Data Element	Attributes	
N301	Address Information	166	AN	1/30
n302	Address Information	166	AN	1/30

N4 Segment: Geographic Location

N4*TAYLOR*BC*V0C 2K0*CA

Ref. Des.	Name	Data Element	Attributes	
N401	City Name	19	AN	2/30
N402	State or Province Code	156	ID	2/2
N403	Postal Code	116	ID	3/15
N404	Country Code	26	ID	2/3

****For North American countries, use the ISO-3166 Alpha-2 character code.**

PER Segment: Administrative Communications Contact

Provides contact information for the party identified in the previous N1*SH segment.

PER*SP*JOHN DOE*TE*5555551234*EM*JOHN.DOE@GENCAR.com

Ref. Des.	Name	Data Element	Attributes
PER01	Contact Function Code <i>(SP=Special Program contact)</i>	366	ID 2/2
<i>**Special Program Contact added per SAT requirement. The Shipper Special Program Contact is a required field to provide emergency contact information of the Shipper.</i>			
PER02	Name	93	AN 1/35
PER03	Communication Qualifier Number <i>(TE=telephone number) (EM=email address)</i>	365	ID 2/2
<i>**Both TE and EM are required for SAT requirement.</i>			
PER04	Communication Number	364	AN 1/80
PER05	Communication Number Qualifier <i>(TE=telephone number) (EM=email address)</i>	365	ID 2/2
PER06	Communication Number	364	AN 1/80

REF Segment: Reference Information

Within the N1 Loop

REF*TJ*123456789

Ref. Des.	Name	Data Element	Attributes
REF01	Reference Identification Qualifier <i>(TJ=Federal Taxpayer's Identification Number)</i>	128	ID 2/3
**Required for Shipper, Consignee, and Party to receive freight bill/Party to be billed when a REF*UNC is present. Must contain the Taxpayer ID for the country listed in the N404.			
**Mandatory for the N1*IM			
REF02	Reference Identification	127	AN 1/30

BL Segment: Billing Information

Provides information on how the invoices for each route segment will be generated for this shipment. This segment can only be used when the previous N1 is a Rule 11 Paying Party (11)

BL*RD**TAYLOR*BC***LAREDO*TX**CN*KCS**
BL*RC**LAREDO*TX***MOLINO*VL**KCSM**

Ref. Des.	Name	Data Element	Attributes
BL01	Rebill reason code (RC=Contract is with the delivering carrier) (RD=Contract is with the originating carrier after the city listed in the BL05)	747	ID 2/2
BL05	City Name <i>**The BL05 through BL07 is the city, state/province, and country for the rate for the beginning portion of the move.</i>	19	AN 2/30
BL06	State or Province code <i>If a Rule260 abbreviation is not used in the BL05, this must be included.</i>	156	ID 2/2

BL07	Country Code	26	ID	2/3
BL09	City Name	19	AN	2/30
	<i>**The BL09 through BL11 is the city, state/province, and country for the rate for the ending portion of the move.</i>			
BL10	State or Province code	156	ID	2/2
	<i>If a Rule260 abbreviation is not used in the BL09, this must be included.</i>			
BL11	Country Code	26	ID	2/3
BL12	Standard Carrier Alpha Code	140	ID	2/4
	The SCAC of the railroad that will issue the invoice.			
BL13	Standard Carrier Alpha Code	140	ID	2/4
	The SCAC of the railroad that will issue the invoice.			

R2 Segment: Route Information

Identifies the complete route of movement from origin to destination covered by this contract.

R2*CN*R*JACKN
R2*KCS*1*LAREDO
R2*KCSM*2

Ref. Des.	Name	Data Element	Attributes	
R201	Standard Carrier Alpha Code (SCAC) (CN=Canadian National)	140	ID	2/4
R202	Routing Sequence Code (R=Origin Carrier, Rule 11 Shipment) (1=1st Carrier After Origin Carrier) (2=2 nd Carrier after origin carrier)	133	ID	1/2
R203	Junction Name	19	AN	2/30

(Contains Rule 260 abbreviation only)

****When multiple iterations of the R2 segment are present, the R203 is required on each, except for the final**

LX Segment: Transaction Set Line Number

LX*1

Ref. Des.	Name	Data Element	Attributes	
LX01	Assigned Number (Number assigned for differentiation within a transaction set)	554	N0	1/6

L5 Segment: Description, Marks, and Numbers

CN can provide Standard Transportation Commodity Codes (STCC) for your commodities. The commodity code is required only on the first L5 segment. Additional L5 segments can be used to provide additional description of lading.

L5*1*LIQUEFIED PETROLEUM GASES*4905421*T

Ref. Des.	Name	Data Element	Attributes	
L501	Lading Line Item Number	213	N0	1/6
L502	Lading Description	79	AN	1/50
L503	Commodity Code	22	AN	1/30
L504	Commodity Code Qualifier (T= STCC Code)	23	ID	1/1

L0 Segment: Line Item - Quantity and Weight

L0*1*59261*N***1*TKR**

Ref. Des.	Name	Data Element	Attributes	
L001	Lading Line Item Number	213	N0	1/6
L004	Weight	81	R	1/10
L005	Weight Qualifier (N=Actual weight)	187	ID	1/2
L008	Lading Quantity	80	N0	1/7
L009	Packaging Form Code (TKR=tank car)	211	ID	3/3

MEA Segment: Measurements

To specify physical measurements or counts, including dimensions, tolerances, variances, and weights.

MEA*AI*VOL*250.6041*CR*15**

MEAVWT*0.7167*KC***15**

Ref. Des.	Name	Data Element	Attributes	
MEA01	Measurement Reference ID Code (AI = Net Compliance Total)	737	ID	2/2

MEA02	Measurement Qualifier (VOL = volume) (VWT = volume weight)	738	ID	1/3
MEA03	Measurement Value	739	R	1/28
MEA04	Unit or Basis for measurement code (CR = cubic meters) (KC = kilograms per cubic meter)	355	ID	2/2
MEA07	Measurement significance code (15 = Standard temperature and pressure)	935	ID	2/2

X1 Segment: Export License

Mandatory for transborder shipments

X1*C*****1*131423.00**

Ref. Des.	Name	Data Element	Attributes	
X103	Export License Status Code (C=complete)	51	ID	1/1
X110	Lading Quantity	80	N0	1/7
X111	Lading Value	148	R	2/9

LS Segment: Loop Header

LS* LH1

Ref. Des.	Name	Data Element	Attributes	
LS01	Loop Identifier Code	447	AN	1/6

LH1 Segment: Hazardous Identification Information

LH1*TK*1*UN10754905421*KG*59261**

Ref. Des.	Name	Data Element	Attributes	
LH101	Unit or Basis for Measurement Code (TK=Tank)	355	ID	2/2
LH102	Lading Quantity	80	NO	1/7

LH103	UN or NA Identification Code	277	ID	6/6
LH105	Commodity Code	22	AN	1/30
LH106	Unit or Basis for Measurement Code (KG=kilograms)	355	ID	2/2
LH107	Quantity	380	R	1/15

LH2 Segment: Hazardous Classification Information

LH2*2.1*P

Ref. Des.	Name	Data Element	Attributes	
LH201	Hazardous Classification	215	ID	1/30
LH202	Hazardous Class Qualifier (P=Primary)	983	ID	1/1

LH3 Segment: Hazardous Material Shipping Name Information

LH3*LIQUEFIED PETROLEUM GASES*C

Ref. Des.	Name	Data Element	Attributes	
LH301	Hazardous Material Shipping Name	224	AN	1/25
LH302	Hazardous Material Shipping Name Qualifier Qualifier indicating the source (regulatory) of the proper shipping name. (C = Canadian Regulatory Authority)	984	ID	1/1

LH4 Segment: Canadian Dangerous Requirements

LH4*2-1111*1-800-265-0212

Ref. Des.	Name	Data Element	Attributes	
LH401	Emergency Plan Number	238	AN	1/12

LH402 Communication Number 364 AN 1/25

PER Segment: Administrative Communications Contact

PER*HM*offeror name or contract number*TE*123-123-1234
PER*CN*offeror name or contract number*TE*321*321*4321
PER*MX*offeror name or contract number*TE*521234567890

Ref. Des.	Name	Data Element	Attributes
PER01	Contact Function Code (HM=primary 24-hour Hazardous Material Contact emergency phone number) (CN=Canadian Hazardous Material Contact 24-hour emergency phone number) (MX = Mexican Hazardous Material Contact 24-hour emergency phone number)	366	ID 2/2
PER02	Name If the emergency response telephone number shown in PER04 is an emergency provider (e.g Chemtrec), the PER02 must identify the company (offeror) by name or contract number.	93	AN 1/35
PER03	Communication Number Qualifier (TE=Telephone)	365	ID 2/2
PER04	Communication Number	364	AN 1/80

N1 Segment: Party Identification

Within the LH1 Loop

Used to identify the **Canadian** 'consignor' ('SH' shipper or 'CN' consignee) as required by Transport Canada regulations (TDG 3.5 (1)(a)).

**N1*SH*GENERIC CARLOAD INC
N3*123 MAIN ST
N4*TAYLOR*BC*V0C 2K0**

Ref. Des.	Name	Data Element	Attributes	
N101	Entity Identifier Code (SH = Shipper)	98	ID	2/3
N102	Name	93	AN	1/35

N3 Segment: Party Location

Ref. Des.	Name	Data Element	Attributes	
N301	Address Information	166	AN	1/30

N4 Segment: Geographic Location

Ref. Des.	Name	Data Element	Attributes	
N401	City Name	19	AN	2/30
N402	State or Province Code	156	ID	2/2
N403	Postal Code	116	ID	3/15
N404	Country Code	26	ID	2/3

LE Segments: Loop Trailer

LE*LH1

Ref.	Name	Data Element	Attributes	
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Des.

LE01 Loop Identifier Code 447 AN 1/6

XH Segment: Pro Forma - B13 Information

Communicates Customs information on this shipment that will be passed to all customs brokers listed on the shipment.

XH*USD*N*FCB

Ref.	Name	Data Element	Attributes
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Des.

XH01	Currency Code	100	ID 3/3
XH02	Related Company Indication Code (N=transaction between unrelated companies)	645	ID 1/1
XH03	Special Charge or Allowance Code (FCB=freight charges to border)	150	ID 3/3

LH6 Segment: Hazardous Certification

Provides the name of the person who prepared, and certifies to its accuracy, the documentation of the regulated commodity.

LH6*JOHN Q SHIPPER

Ref.	Name	Data Element	Attributes
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Des.

LH601	Name	93	AN 1/60
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