Implementation Guide
Rail Carrier Shipment Information

EDI 404

Carload Bill of Lading
USA 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

The enclosed documentation covers information required to handle carload shipments of general merchandise and dangerous goods from a domestic US 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.

Introduction
This guide is for shippers whose shipments originate in the USA and destined to Mexico. There are two components to the customs documentation, in addition to the normal shipment documentation requirements:
1. US In-transit Requirements
2. Mexican Import Requirements

US In transit Requirements
In addition to the above information, the US government requires the following:
1. Invoice value and currency
2. Country of origin of the goods
3. Seal numbers
4. Harmonized Tariff Schedule (HTS) code (minimum 6-digit)
5. Other government agencies documents or permits as required.
6. US Customs Broker for filing 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:
7. Importer name, address, city, province/state, if different than the consignee
8. Mexican Customs broker name, address, city, state, postal code, country
9. US Forwarder name, address, city, state, postal code, country, if not the same as the Mexican Customs broker
10. UNSPSC Commodity Code per the SAT Catalogue
11. Mexican Customs Tariff Rate Code
12. UN/NA Identification Code for dangerous goods/hazardous materials
13. Mexico Hazardous Packaging Type Code
14. Complete Commodity Description – quantity, SAT commodity description, weight unit measure, weight, and package type
15. Shipper's 24-hour contact information
16. Mexico Material Type Code
17. Mexico Packaging Type Code
18. 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
USA 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 404 Transaction Set on traffic from a domestic US origin to a Mexican destination.

EDI 404 with mandatory transborder data highlighted in bold red:

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ISA*00*      *00*      *ZZ*GENERIC      *02*CN        *230928*1339*U*00803*006298413*0*P>
GS*SR*GENERIC*CN*20230928*1336*98826*X*008030
ST*404*988260001
BX*00*R*11*1257*CN*L*B
BNX*A**S
M3*R*20230928*1336*ET
N9*BM*1257**20230928*1336
N9*HS*230330
N7*CN*123456*213360*N******RR
M7*12345
REF*UNC*50193108
N9*MTC*2303300100
N9*MPC*NC
N9*MMT*01
N10*1*PURE PREPARADO DE VARIOS VEGETALES*****L*213360**CLD
F9**STEVENS POINT*WI
D9**MATAMOROS*TM
N1*SH*GENERIC CARLOAD INC
N3*123 MAIN ROAD
N4*STEVENS POINT*WI*12345*US
PER*IC*CONTACT NAME*TE*123-123-1234
PER*SP*JOHN DOE*TE*5555551234*EM*JOHN.DOE@GENCAR.com
REF*TJ*123456789
N1*CN*MEXICAN COMPANY INC
N3*CARREERA SENDERO
N4*MATAMOROS*TM*12345*MX
REF*TJ*123456789
N1*11*GENERIC CARLOAD INC
N3*123 MAIN ROAD
N4*STEVENS POINT*WI*12345
REF*TJ*123456789
BL*RC****STEVENS POINT*WI***BRWNV***CN*BNSF
N1*11*MEXICAN COMPANY INC
N3*CARREERA SENDERO
N4*MATAMOROS*TM*12345*MX
REF*TJ*123456789
BL*RD****BRWNV****MATAMOROS*TM**KCSM
N1*FW*SUN CITY FORWARDING AGENCY
```

N3*8513 EDGEMERE BOULEVARD
N4*EL PASO*TX*79925*US
N1*XR*AGENCIA ADUANAL SIERRA Y ASOCIADOS
N3*DIVISION DEL NORTE NO 18 LA CO*PALMAS CIUDAD
N4*MATAMOROS*TM*87420*MX
N1*IM*MEXICAN COMPANY INC
N3*CARREERA SENDERO
N4*MATAMOROS*TM**MX
REF*TJ*123456789
R2*CN*R*SXCTY
R2*BNSF*1*BRWNV
R2*KCSM*2
LX*1
L5*1*DISTILLERS MASH, SPENT*2085940*T
L0*1***213360*N***1*CLD
MEA*AI*VOL*250.6041*CR***15
MEA**VWT*0.7167*KC***15
SE*58*988260001
GE*1*98826
IEA*1*006298413

ISA Segment: Interchange Control Header

ISA*00*   *00*   *ZZ*GENERIC   *02*CN   *230928*1339*U*00803*006298413*0*P*>

Ref. Des.	Name	Data Element	Attributes	
ISA01	Authorization Information Qualifier	I01	ID	2/2
ISA02	Authorization Information	I02	AN	10/10
	(Ten spaces)			
ISA03	Security Information Qualifier	I03	ID	2/2
ISA04	Security Information	I04	AN	10/10
	(Ten spaces)			
ISA05	Interchange ID Qualifier	I05	ID	2/2

ISA06	Interchange Sender ID	I06		AN	15/15	
	(GENERIC - fill out field with spaces)					
ISA07	Interchange ID Qualifier	I05		ID	2/2	
	(If RR SCAC use 02)					
ISA08	Interchange Receiver ID	I07		AN	15/15	
	(CN- fill out field with spaces)					
ISA09	Interchange Date		I08	DT	6/6	
	(YYMMDD)					
ISA10	Interchange Time	I09		TM	4/4	
	(HHMM)					
ISA11	Repetition Separator	I65			1/1	
	(Suggest "^")					
ISA12	Interchange Control Version Number	I11		ID	5/5	
	(Value 00803)					
ISA13	Interchange Control Number	I12		N0	9/9	
	(a control number assigned by sender)					
ISA14	Acknowledgment Requested	I13		ID	1/1	
	(0 = none requested)					
	(1= requested)					
ISA15	Usage Indicator	I14		ID	1/1	
	(P = Production)					
	(T = Test)					
ISA16	Component Element Separator	I15			1/1	
	(Suggest ":")					

GS Segment: Functional Group Header

GS*SR*GENERIC*CN*20230928*1336*98826*X*008030

Ref. Des.	Name	Data Element	Attributes		
GS01	Functional Identifier Code	479		ID	2/2
	(SR = Rail Carrier Shipment Information)				
GS02	Application Sender's Code		142	AN	2/15
	(Customer's sender ID)				

Ref. Des.	Name	Data Element	Attributes		
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*988260001

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*L*B

Ref. Des.	Name	Data Element	Attributes	
BX01	Transaction Set Purpose Code	353	ID	2/2

	(00=Original)				
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 (CN=CN Rail)	140	ID	2/4
BX06	Weight Unit Code (L=Pounds)	188	ID	1/1
BX07	Shipment Qualifier (B=Bill of Lading for Individual Shipment)	147	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*20230928*1336*ET

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 (ET = eastern 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*1257**20230928*1336
N9*HS*230330

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 If N901=BM, only 15 characters are allowed max.	127	AN	1/30
N904	Date (YYYYMMDD)	373	DT	8/8
N905	Time (HHMM)	337	TM	4/8

N7 Segment: Equipment Details

N7*CN*123456*213360*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*12345

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

REF Segment: Reference Information

Within N7/REF Loop

REF*UNC*50193108

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*2303300100
N9*MPC*NC
N9*MMT*01

Ref. Des.	Name	Data Element	Attributes	
N901	Reference Number Qualifier (MTC=Mexican Tariff Rate Code) (MHC=Mexico Servicio de Administacion 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*PURE PREPARADO DE VARIOS VEGETALES***L*213360**CLD**

Ref. Des.	Name	Data Element	Attributes	
N1001	Quantity **Required with REF*UNC*	380	R	1/15
N1002	Free Form Description Used for Commodity Description **Required with REF*UNC*	369	AN	1/45
N1007	Weight Unit Code **Required on loaded shipments with REF*UNC*	188	ID	1/1
N1008	Weight **Required on loaded shipments with REF*UNC*	81	R	1/10
N1010	Manifest Unit Code **Required with REF*UNC*	599	ID	1/3
N1011	Country Code **For North American countries, use the ISO-3166 Alpha-2 character code.*	26	ID	2/3

F9 Segment: Origin Station

Indicates the origin of the shipment, the point from which 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.

F9**STEVENS POINT*WI

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.

D9**MATAMOROS*TM

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 ROAD
N4*STEVENS POINT*WI*12345*US
N1*CN*MEXICAN COMPANY INC
N3*CARREERA SENDERO
N4*MATAMOROS*TM*12345*MX
N1*11*GENERIC CARLOAD INC
N3*123 MAIN ROAD
N4*STEVENS POINT*WI*12345*US
N1*11*MEXICAN COMPANY INC
N3*CARREERA SENDERO
N4*MATAMOROS*TM*12345*MX
N1*FW*SUN CITY FORWARDING AGENCY
N3*8513 EDGEMERE BOULEVARD
N4*EL PASO*TX*79925*US
N1*XR*AGENCIA ADUANAL SIERRA Y ASOCIADOS
N3*DIVISION DEL NORTE NO 18 LA CO*PALMAS CIUDAD
N4*MATAMOROS*TM*87420*MX
N1*IM*MEXICAN COMPANY INC
N3*CARREERA SENDERO
N4*MATAMOROS*TM**MX

Ref. Des.	Name	Data Element	Attributes	
N101	Entity Identifier Code (SH=Shipper) (CN=Consignee) (11=Party to be Billed Rule 11) (XR=Mexican Customs Broker) (FW=Forwarder) (IM = Importer) **mandatory for shipments to 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 segment.

PER*IC*CONTACT NAME*TE*123-123-1234
PER*SP*JOHN DOE*TE*5555551234*EM*JOHN.DOE@GENCAR.com

Ref. Des.	Name	Data Element	Attributes	
PER01	Contact Function Code (IC=Information Contact) *(SP=Special Program contact)*	366	ID	2/2

**Special Program Contact added per SAT requirement. The Shipper Special Program Contact is a required field to provide emergency contact information of the Shipper.

PER02	Name	93	AN	1/35
PER03	Communication Number Qualifier (TE=telephone number) (EM=email address)	365	ID	2/2

**Both TE and EM are required for SAT requirement.

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	
REF01	Reference Identification Qualifier (TJ=Federal Taxpayer's Identification Number)	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*RC****STEVENS POINT*WI***BRWNV***CN*BNSF
BL*RD****BRWNV****MATAMOROS*TM**KCSM

Ref. Des.	Name	Data Element	Attributes	

BL01   Rebill reason code   747   ID   2/2
        (RC=Contract is with the delivering carrier)
        (RD=Contract is with the originating carrier after the city listed in the BL05)

BL05   City Name   19   AN   2/30
**The BL05 through BL07 is the city, state/province, and country for the rate for the beginning portion of the move.

BL06   State or Province code   156   ID   2/2
        If a Rule260 abbreviation is not used in the BL05, this must be included.

BL07   Country Code   26   ID   2/3

BL09   City Name   19   AN   2/30
**The BL09 through BL11 is the city, state/province, and country for the rate for the ending portion of the move.

BL10   State or Province code   156   ID   2/2
        If a Rule260 abbreviation is not used in the BL09, this must be included.

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*SXCTY
R2*BNSF*1*BRWNV
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=2nd Carrier after origin carrier)	133	ID	1/2
R203	Junction Name (Contains R260 junction)	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*DISTILLERS MASH, SPENT*2085940*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*183990*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

SE Segment: Transaction Set Trailer

SE*58*988260001

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	329	AN	4/9

(Repeated from ST segment ST02)

GE Segment: Functional Group Trailer

GE*1*98826

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*006298413

Ref. Des.	Name	Data Element	Attributes	
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
Hazardous USA to Mexico 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 from a domestic US origin 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*L*B
BNX*R**S
M3*R*20231115*1228*CT
N9*BM*1257**20231115*1228
N9*HS*291735
N7*CGTX*12345*59261*N*****RR**
M7*1234*5678
REF*UNC*12352005
N9*MTC*2917350100
N9*MHC*UN3257
N9*MPC*XVA
N9*MHP*Z01
N9*MMT*05
N10*1*PHTHALIC ANHYDRIDE***L*193952**TKR**
F9**STEVENS POINT*WI
D9**TOCHAC*TL
N1*CN*MEXICAN COMPANY INC
N3*PONIENTE 146 NO 760*COLONIA INDUSTRIAL VALLEJO
N4*TOCHAC*TL*02300*MX
N9*TJ*123456789

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N1*SH*GENERIC CARLOAD INC
N3*123 MAIN ST
N4*STEVENS POINT*WI*12345*US
PER*IC*CONTACT NAME*TE*123-123-1234
PER*SP*JOHN DOE*TE*5555551234*EM*JOHN.DOE@GENCAR.com
N9*TJ*123456789
N1*11*GENERIC CARLOAD INC
N3*123 MAIN ST
N4*STEVENS POINT*WI*12345*US
N9*TJ*123456789
BL*RD****STEVENS POINT*WI***BATON***CN
BL*RD****BATON****LARED***KCS
BL*RD****LARED****LECHE***KCSM
BL*RD****LECHE****TOCHAC*TL**FSRR
N1*XR*PEDRO MARTINEZ MENDEZ Y CIA SC
N3*CANALES 3720-A
N4*NUEVO LAREDO*TM*88000*MX
N1*FW*IMEX FORWARDING AGENCY INC
N3*14414 MAQUILA LOOP TRADE CENTER
N4*LAREDO*TX*78040*US
N1*IM*MEXICAN COMPANY INC
N3*PONIENTE 146 NO 760*COLONIA INDUSTRIAL VALLEJO
N4*TOCHAC*TL*02300*MX
REF*TJ*123456789
R2*CN*R*BATON
R2*KCS*1*LARED
R2*KCSM*2*LECHE
R2*FSRR*3
LX*1
L5*1*ELEVATED TEMPERATURE LIQUID, N.O.S.*4960156*T
L0*1***193952*E***1*TKR
MEA*AI*VOL*250.6041*CR***15
MEA**VWT*0.7167*KC***15
LS*LH1
LH1*C4*1*UN3257**4960156*LB*193952***III
LH2*9*P***RQ
LH3*ELEVATED TEMPERATURE*D
LH3*LIQUID, N.O.S.*D
LFH*HZC*(PHTHALIC ANHYDRIDE)
LFH*TEC*(PHTHALIC ANHYDRIDE)
LE*LH1
PER*HM*offeror company name or contract number*TE*123-123-1234
PER*MX*offeror company name or contract number *TE*521234567890
LH6*JOHN Q SHIPPER
SE*72*316218941
GE*1*19828
IEA*1*000019828
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BX Segment: General Shipment Information

BX*00*R*11*1257*CN*L*B

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 (CN=CN Rail)	140	ID	2/4
BX06	Weight Unit Code (L=Pounds)	188	ID	1/1
BX07	Shipment Qualifier (B=Bill of Lading for Individual Shipment)	147	ID	1/1

BNX Segment: Rail Shipment Information

BNX*RS**

Ref. Des.	Name	Data Element	Attributes	
BNX01	Shipment Weight Code (R=Rail Carrier Scale Weight)	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 through other means.

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*1257**20231115*1228
N9*HS*291735

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

REF Segment: Reference Information

Within N7/REF Loop

REF*UNC*12352005

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*2917350100
N9*MHC*UN3257
N9*MPC*XVA
N9*MHP*Z01
N9*MMT*05

Ref. Des.	Name	Data Element	Attributes	
N901	Reference Number Qualifier (MTC=Mexican Tariff Rate Code) (MHC=Mexico Servicio de Administacion Tributaria (SAT) Hazardous Code)	128	ID	2/3

(MPC=Mexico Unit Packaging Code)
(MHP=Mexico Hazardous Packaging Code)
(MMT = Mexico Material Type)

N902	Reference Number	127	AN	1/30

N10 Segment: Quantity and Description

Within N7/REF Loop

N10*1*PHTHALIC ANHYDRIDE***L*193952**TKR**

Ref. Des.	Name	Data Element	Attributes	

N1001	Quantity	380	R	1/15

**Required with REF*UNC

N1002	Free Form Description Used for Commodity Description	369	AN	1/45

**Required with REF*UNC

N1007	Weight Unit Code	188	ID	1/1

**Required on loaded shipments with REF*UNC

N1008	Weight	81	R	1/10

**Required on loaded shipments with REF*UNC

N1010	Manifest Unit Code	599	ID	1/3

**Required with REF*UNC

F9 Segment: Origin Station

Indicates the origin of the shipment, the point from which 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.

F9STEVENS POINT*WI**

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.

D9***TOCHAC*****TL**

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*CN*MEXICAN COMPANY INC
N3*PONIENTE 146 NO 760*COLONIA INDUSTRIAL VALLEJO
N4*TOCHAC*TL*02300*MX
N1*SH*GENERIC CARLOAD INC
N3*123 MAIN ST
N4*STEVENS POINT*WI*12345*US
N1*11*GENERIC CARLOAD INC
N3*123 MAIN ST
N4*STEVENS POINT*WI*12345*US

N1*XR*PEDRO MARTINEZ MENDEZ Y CIA SC
N3*CANALES 3720-A
N4*NUEVO LAREDO*TM*88000*MX
N1*FW*IMEX FORWARDING AGENCY INC
N3*14414 MAQUILA LOOP TRADE CENTER
N4*LAREDO*TX*78040*US
N1*IM*MEXICAN COMPANY INC
N3*PONIENTE 146 NO 760*COLONIA INDUSTRIAL VALLEJO
N4*TOCHAC*TL*02300*MX

Ref. Des.	Name	Data Element	Attributes	
N101	Entity Identifier Code (SH=Shipper) (CN=Consignee) (PF = payer of freight)) (11=Party to be Billed Rule 11) (XR=Mexican Customs Broker) (FW=Forwarder) (IM = Importer) **mandatory for shipments to 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 segment.

PER*IC*CONTACT NAME*TE*123-123-1234

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

Ref. Des.	Name	Data Element	Attributes	

PER01   Contact Function Code   366   ID   2/2
        (IC=Information Contact)
        (SP=Special Program contact)

**Special Program Contact added per SAT requirement. The Shipper Special Program Contact is a required field to provide emergency contact information of the Shipper.

PER02   Name   93   AN   1/35
PER03   Communication Qualifier Number   365   ID   2/2
        (TE=telephone number)
        (EM=email address)

**Both TE and EM are required for SAT requirement.

PER04   Communication Number   364   AN   1/80
PER05   Communication Number Qualifier   365   ID   2/2
        (TE=telephone number)
        (EM=email address)

PER06   Communication Number   364   AN   1/80

REF Segment: Reference Information

Within N1 Loop

REF*TJ*123456789

Ref. Des.	Name	Data Element	Attributes	

_____

| 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 |

<u>BL Segment: Billing Information</u>

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**STEVENS POINT*WI***BATON***CN**
BL*RD**BATON****LARED***KCS**
BL*RD**LARED****LECHE***KCSM**
BL*RD**LECHE****TOCHAC*TL**FSRR**

Ref. Des.	Name	Data Element	Attributes	

| BL01 | Rebill reason code | 747 | ID | 2/2 |

(RC=Contract is with the delivering carrier)
(RD=Contract is with the originating carrier after the city listed in the BL05)

| BL05 | City Name | 19 | AN | 2/30 |

**The BL05 through BL07 is the city, state/province, and country for the rate for the beginning portion of the move.

| BL06 | State or Province code | 156 | ID | 2/2 |

If a Rule260 abbreviation is not used in the BL05, this must be included.

| BL07 | Country Code | 26 | ID | 2/3 |

| BL09 | City Name | 19 | AN | 2/30 |

**The BL09 through BL11 is the city, state/province, and country for the rate for the ending portion of the move.

| BL10 | State or Province code | 156 | ID | 2/2 |

If a Rule260 abbreviation is not used in the BL09, this must be included.

| 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 |

R2 Segment: Route Information

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

R2*CN*R*BATON
R2*KCS*1*LARED
R2*KCSM*2*LECHE
R2*FSRR*3

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=2nd Carrier after origin carrier) (3 = 3rd carrier after origin carrier)	133	ID	1/2
R203	Junction Name (Contains R260 junction)	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*ELEVATED TEMPERATURE LIQUID, N.O.S.*4960156*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*193952*E***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

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*C4*1*UN3257**4960156*LB*193952***III

Ref. Des.	Name	Data Element	Attributes	
LH101	Unit or Basis for Measurement Code (C4=Carload)	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 (LB=Pounds)	355	ID	2/2
LH107	Quantity	380	R	1/15
LH110	Packing Group Code	254	ID	1/3

LH2 Segment: Hazardous Classification Information

LH2*9*P***RQ

Ref. Des.	Name	Data Element	Attributes	
LH201	Hazardous Classification	215	ID	1/30
LH202	Hazardous Class Qualifier (P=Primary)	983	ID	1/1
LH205	Reportable Quantity Code	759	ID	2/2

LH3 Segment: Hazardous Material Shipping Name Information

LH3*ELEVATED TEMPERATURE*D
LH3*LIQUID, N.O.S.*D

Ref. Des.	Name	Data Element	Attributes	
LH301	Hazardous Material Shipping Name	224	AN	1/25

LH302   Hazardous Material Shipping Name Qualifier   984   ID   1/1
          Qualifier indicating the source (regulatory) of the proper shipping name.
        (D = USA Shipping Name)

LFH Segment: Free-form Hazardous Material Information

Provides additional information related to the shipment of the regulated product.

LFH*HZC*(PHTHALIC ANHYDRIDE)
LFH*TEC*(PHTHALIC ANHYDRIDE)

Ref. Des.	Name	Data Element	Attributes	

LFH01   Hazardous Material Information Qualifier   808   ID   3/3
        (HZC= hazardous substance constituents)
        (TEC=technical name or chemical group name)

LFH02   Hazardous Material Shipment Information 809   AN   1/25
LFH03   Hazardous Material Shipment Information 809   AN   1/25

LE Segments: Loop Trailer

LE*LH1

Ref. Des.	Name	Data Element	Attributes	

LE01   Loop Identifier Code   447   AN   1/6

PER Segment: Administrative Communications Contact

PER*HM*offeror company name or contract number*TE*123-123-1234
PER*MX*offeror company name or contract number*TE*521234567890

Ref. Des.	Name	Data Element	Attributes	

PER01   Contact Function Code   366   ID   2/2
        (HM=primary 24-hour Hazardous Material Contact emergency phone number)
        (MX=Mexican Hazardous Material Contact 24-hour emergency phone number)

PER02   Name   93   AN   1/35
        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.

PER03   Communication Number Qualifier   365   ID   2/2
        (TE=Telephone)

PER04   Communication Number   364   AN   1/80

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. Des.	Name	Data Element	Attributes	

LH601   Name   93   AN   1/60