



# **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**

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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**

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The **EDI Onboarding team** email address is [EDIMGR@cn.ca](mailto:EDIMGR@cn.ca). You can also visit us at [www.cn.ca](http://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*555551234*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

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

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

**GS Segment: Functional Group Header**

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

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

|      |   |     |    |      |     |
|------|---|-----|----|------|-----|
| GS03 | Application Receiver's Code<br>(CN = Canadian National)                           | 124 | AN | 2/15 |     |
| GS04 | Date<br>(CCYYMMDD)  | 373 | DT | 8/8  |     |
| GS05 | Time<br>(HHMM)  | 337 | TM |      | 4/6 |
| GS06 | Group Control Number<br>(Assigned number originated and maintained by the sender) | 28  | N0 | 1/9  |     |
| GS07 | Responsible Agency Code<br>(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.<br>Des. | Name  | Data Element | Attributes |     |
|--------------|---|--------------|------------|-----|
| ST01         | Transaction Set Identifier Code<br>(404 = Rail Carrier Shipment Information (Bill of Lading)) | 143          | ID         | 3/3 |
| ST02         | Transaction Set Control Number<br>(Sequential control number generated by Customer)           | 329          | AN         | 4/9 |

**BX Segment: General Shipment Information**

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

| Ref.<br>Des. | Name                         | Data Element | Attributes |     |
|--------------|------------------------------|--------------|------------|-----|
| BX01         | Transaction Set Purpose Code | 353          | ID         | 2/2 |



|      |  |     |    |      |
|------|--|-----|----|------|
|      | (00=Original)  |     |    |      |
| BX02 | Transportation Method/Type Code<br>(R=Rail)                      | 91  | ID | 1/2  |
| BX03 | Shipment Method of Payment<br>(11=rule 11)                       | 146 | ID | 2/2  |
| BX04 | Shipment Identification number<br>(1257)                         | 145 | AN | 1/30 |
| BX05 | Standard Carrier Alpha Code<br>(CN=CN Rail)                      | 140 | ID | 2/4  |
| BX06 | Weight Unit Code<br>(L=Pounds)                                   | 188 | ID | 1/1  |
| BX07 | Shipment Qualifier<br>(B=Bill of Lading for Individual Shipment) | 147 | ID | 1/1  |

**BNX Segment: Rail Shipment Information**

**BNX\*A\*\*S**

| Ref.<br>Des. | Name   | Data Element | Attributes |     |
|--------------|--|--------------|------------|-----|
| BNX01        | Shipment Weight Code<br>(A=Weight Agreement) | 460          | ID         | 1/1 |
| BNX03        | Billing Code<br>(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.<br>Des. | Name                                  | Data Element | Attributes |     |
|--------------|---------------------------------------|--------------|------------|-----|
| M301         | Release Code                          | 132          | ID         | 1/1 |
| M302         | Release Date<br>(CCYYMMDD)            | 373          | DT         | 8/8 |
| M303         | Release Time<br>(HHMM, 24 hour clock) | 337          | TM         | 4/8 |
| M304         | Time Code<br>(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.<br>Des. | Name  | Data Element | Attributes |      |
|--------------|---|--------------|------------|------|
| N901         | Reference Number Qualifier<br>(BM=Bill of Lading No)<br>(HS=harmonized system code) | 128          | ID         | 2/3  |
| N902         | Reference Number<br>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.<br>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<br>(N=Actual net weight)   | 187          | ID         | 1/2  |  |
| N711         | Equipment Description Code<br>(RR=Rail Car) | 40           | ID         | 2/2  |  |

**M7 Segment: Seal Numbers**

**M7\*12345**

| Ref.<br>Des. | Name        | Data Element | Attributes |      |  |
|--------------|-------------|--------------|------------|------|--|
| M701         | Seal Number | 225          | AN         | 2/15 |  |

**REF Segment: Reference Information**

Within N7/REF Loop

**REF\*UNC\*50193108**

| Ref.<br>Des. | Name   | Data Element | Attributes |      |  |
|--------------|--|--------------|------------|------|--|
| REF01        | Reference Identification Qualifier<br>(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.<br>Des. | Name  | Data Element | Attributes |
|--------------|---|--------------|------------|
| N901         | Reference Number Qualifier<br>(MTC=Mexican Tariff Rate Code)<br>(MHC=Mexico Servicio de Administracion Tributaria (SAT) Hazardous Code)<br>(MPC=Mexico Unit Packaging Code)<br>(MHP=Mexico Hazardous Packaging Code)<br>(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.<br>Des. | Name  | Data Element | Attributes |
|--------------|---|--------------|------------|
| N1001        | Quantity<br><i>**Required with REF*UNC</i>  | 380          | R 1/15     |
| N1002        | Free Form Description<br>Used for Commodity Description<br><i>**Required with REF*UNC</i>       | 369          | AN 1/45    |
| N1007        | Weight Unit Code<br><i>**Required on loaded shipments with REF*UNC</i>                          | 188          | ID 1/1     |
| N1008        | Weight<br><i>**Required on loaded shipments with REF*UNC</i>                                    | 81           | R 1/10     |
| N1010        | Manifest Unit Code<br><i>**Required with REF*UNC</i>  | 599          | ID 1/3     |
| N1011        | Country Code<br><i>**For North American countries, use the ISO-3166 Alpha-2 character code.</i> | 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.<br>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.

#### **D9\*\*MATAMOROS\*TM**

| Ref.<br>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\*CARRERA 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\*CARRERA 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\*CARRERA SENDERO  
N4\*MATAMOROS\*TM\*\*MX**

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

**N3 Segment: Party Location**

| Ref.<br>Des. | Name | Data Element | Attributes |
|--------------|------|--------------|------------|
|--------------|------|--------------|------------|

|      |                     |     |    |      |
|------|---------------------|-----|----|------|
| N301 | Address Information | 166 | AN | 1/30 |
| N302 | Address Information | 166 | AN | 1/30 |

**N4 Segment: Geographic Location**

| Ref.<br>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.<br>Des.   | Name   | Data Element | Attributes |      |
|--|--|--------------|------------|------|
| PER01  | Contact Function Code<br>(IC=Information Contact)<br><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 Number Qualifier<br>(TE=telephone number)<br>(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<br>(TE=telephone number)<br>(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.<br>Des. | Name  | Data Element | Attributes |
|--------------|---|--------------|------------|
| REF01        | Reference Identification Qualifier<br>(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.<br>Des. | Name  | Data Element | Attributes |
|--------------|---|--------------|------------|
| BL01         | Rebill reason code<br>(RC=Contract is with the delivering carrier)<br>(RD=Contract is with the originating carrier after the city listed in the BL05) | 747          | ID 2/2     |
| BL05         | City Name<br><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<br><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<br><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<br><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<br>The SCAC of the railroad that will issue the invoice.  | 140          | ID 2/4     |
| BL13         | Standard Carrier Alpha Code<br>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\*SXCTY**  
**R2\*BNSF\*1\*BRWNV**  
**R2\*KCSM\*2**

| Ref.<br>Des. | Name  | Data Element | Attributes |      |
|--------------|---|--------------|------------|------|
| R201         | Standard Carrier Alpha Code (SCAC)<br>(CN=Canadian National)  | 140          | ID         | 2/4  |
| R202         | Routing Sequence Code<br>(R=Origin Carrier, Rule 11 Shipment)<br>(1=1st Carrier After Origin Carrier)<br>(2=2 <sup>nd</sup> Carrier after origin carrier) | 133          | ID         | 1/2  |
| R203         | Junction Name<br>(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.<br>Des. | Name  | Data Element | Attributes |     |
|--------------|---|--------------|------------|-----|
| LX01         | Assigned Number<br>(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.<br>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<br>(T= STCC Code) | 23           | ID         | 1/1  |

### **L0 Segment: Line Item - Quantity and Weight**

**L0\*1\*\*\*183990\*N\*\*\*1\*CLD**

| Ref.<br>Des. | Name                                  | Data Element | Attributes |      |
|--------------|---------------------------------------|--------------|------------|------|
| L001         | Lading Line Item Number               | 213          | N0         | 1/6  |
| L004         | Weight                                | 81           | R          | 1/10 |
| L005         | Weight Qualifier<br>(N=Actual weight) | 187          | ID         | 1/2  |
| L008         | Lading Quantity                       | 80           | N0         | 1/7  |
| L009         | Packaging Form Code<br>(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**  
**MEA\*\*VWT\*0.7167\*KC\*\*\*15**

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

### SE Segment: Transaction Set Trailer

**SE\*58\*988260001**

| Ref.<br>Des. | Name   | Data Element | Attributes |      |
|--------------|--|--------------|------------|------|
| SE01         | Number of Included Segments<br>(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.<br>Des. | Name  | Data Element | Attributes |     |
|--------------|---|--------------|------------|-----|
| GE01         | Number of Transaction Sets Included                     | 97           | N0         | 1/6 |
| GE02         | Group Control Number<br>(Repeated from GS Segment GS06) | 28           | N0         | 1/9 |

**IEA Segment: Interchange Control Trailer**

**IEA\*1\*006298413**

| Ref.<br>Des. | Name   | Data Element | Attributes |     |
|--------------|--|--------------|------------|-----|
| IEA01        | Number of included Functional Groups                 | I16          | N0         | 1/5 |
| IEA02        | Interchange Control Number<br>(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\*S\*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**

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

**BX Segment: General Shipment Information**

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

| Ref.<br>Des. | Name   | Data Element | Attributes |      |
|--------------|--|--------------|------------|------|
| BX01         | Transaction Set Purpose Code<br>(00=Original)                    | 353          | ID         | 2/2  |
| BX02         | Transportation Method/Type Code<br>(R=Rail)                      | 91           | ID         | 1/2  |
| BX03         | Shipment Method of Payment<br>(11=rule 11)                       | 146          | ID         | 2/2  |
| BX04         | Shipment Identification number<br>(1257)                         | 145          | AN         | 1/30 |
| BX05         | Standard Carrier Alpha Code<br>(CN=CN Rail)                      | 140          | ID         | 2/4  |
| BX06         | Weight Unit Code<br>(L=Pounds)                                   | 188          | ID         | 1/1  |
| BX07         | Shipment Qualifier<br>(B=Bill of Lading for Individual Shipment) | 147          | ID         | 1/1  |

**BNX Segment: Rail Shipment Information**



**BNX\*S\*\*S**

| Ref.<br>Des. | Name   | Data Element | Attributes |     |
|--------------|--|--------------|------------|-----|
| BNX01        | Shipment Weight Code<br>(S = Shipper Certified Scale Weight) | 460          | ID         | 1/1 |
| BNX03        | Billing Code<br>(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.<br>Des. | Name                                  | Data Element | Attributes |     |
|--------------|---------------------------------------|--------------|------------|-----|
| M301         | Release Code                          | 132          | ID         | 1/1 |
| M302         | Release Date<br>(CCYYMMDD)            | 373          | DT         | 8/8 |
| M303         | Release Time<br>(HHMM, 24 hour clock) | 337          | TM         | 4/8 |
| M304         | Time Code<br>(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.<br>Des. | Name  | Data Element | Attributes |      |
|--------------|---|--------------|------------|------|
| N901         | Reference Number Qualifier<br>(BM=Bill of Lading No)<br>(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.<br>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<br>(N=Actual net weight)   | 187          | ID         | 1/2  |
| N711         | Equipment Description Code<br>(RR=Rail Car) | 40           | ID         | 2/2  |

**M7 Segment: Seal Numbers**

**M7\*1234\*5678**

| Ref.<br>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.<br>Des. | Name   | Data Element | Attributes |
|--------------|--|--------------|------------|
| REF01        | Reference Identification Qualifier<br>(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.<br>Des. | Name  | Data Element | Attributes |
|--------------|---|--------------|------------|
| N901         | Reference Number Qualifier<br>(MTC=Mexican Tariff Rate Code)<br>(MHC=Mexico Servicio de Administracion 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.<br>Des. | Name  | Data Element | Attributes |
|--------------|---|--------------|------------|
| N1001        | Quantity<br><i>**Required with REF*UNC</i>  | 380          | R 1/15     |
| N1002        | Free Form Description<br>Used for Commodity Description<br><i>**Required with REF*UNC</i> | 369          | AN 1/45    |
| N1007        | Weight Unit Code<br><i>**Required on loaded shipments with REF*UNC</i>                    | 188          | ID 1/1     |
| N1008        | Weight<br><i>**Required on loaded shipments with REF*UNC</i>                              | 81           | R 1/10     |
| N1010        | Manifest Unit Code<br><i>**Required with REF*UNC</i>                                      | 599          | ID 1/3     |

**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.<br>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. | Name                   | Data Element | Attributes |
|------|------------------------|--------------|------------|
| 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\*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.<br>Des. | Name  | Data Element | Attributes |      |
|--------------|---|--------------|------------|------|
| N101         | Entity Identifier Code<br>(SH=Shipper)<br>(CN=Consignee)<br>(PF = payer of freight))<br>(11=Party to be Billed Rule 11)<br>(XR=Mexican Customs Broker)<br>(FW=Forwarder)<br>(IM = Importer) **mandatory for shipments to Mexico | 98           | ID         | 2/3  |
| N102         | Name  | 93           | AN         | 1/35 |

**N3 Segment: Party Location**

| Ref.<br>Des. | Name                | Data Element | Attributes |      |
|--------------|---------------------|--------------|------------|------|
| N301         | Address Information | 166          | AN         | 1/30 |
| N302         | Address Information | 166          | AN         | 1/30 |

**N4 Segment: Geographic Location**

| Ref.<br>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.<br>Des. | Name | Data Element | Attributes |
|--------------|------|--------------|------------|
|--------------|------|--------------|------------|

---

|       |  |     |        |
|-------|--|-----|--------|
| PER01 | Contact Function Code<br>(IC=Information Contact)<br><i>(SP=Special Program contact)</i> | 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 Qualifier Number<br>(TE=telephone number)<br>(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<br>(TE=telephone number)<br>(EM=email address) | 365 | ID 2/2  |

|       |                      |     |         |
|-------|----------------------|-----|---------|
| PER06 | Communication Number | 364 | AN 1/80 |
|-------|----------------------|-----|---------|

**REF Segment: Reference Information**

Within N1 Loop

**REF\*TJ\*123456789**

| Ref.<br>Des. | Name | Data Element | Attributes |
|--------------|------|--------------|------------|
|--------------|------|--------------|------------|

|       |   |     |        |
|-------|---|-----|--------|
| REF01 | Reference Identification Qualifier<br>(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\*RD\*\*\*\*STEVENS POINT\*WI\*\*\*BATON\*\*\*CN  
 BL\*RD\*\*\*\*BATON\*\*\*\*LARED\*\*\*KCS  
 BL\*RD\*\*\*\*LARED\*\*\*\*LECHE\*\*\*KCSM  
 BL\*RD\*\*\*\*LECHE\*\*\*\*TOCHAC\*TL\*\*FSRR

| Ref. | Name  | Data Element | Attributes |
|------|---|--------------|------------|
| Des. |   |              |            |
| BL01 | Rebill reason code<br>(RC=Contract is with the delivering carrier)<br>(RD=Contract is with the originating carrier after the city listed in the BL05) | 747          | ID 2/2     |
| BL05 | City Name<br><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<br><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<br><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<br><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<br>The SCAC of the railroad that will issue the invoice.  | 140          | ID 2/4     |
| 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.<br>Des. | Name  | Data Element | Attributes |      |
|--------------|---|--------------|------------|------|
| R201         | Standard Carrier Alpha Code (SCAC)<br>(CN=Canadian National)  | 140          | ID         | 2/4  |
| R202         | Routing Sequence Code<br>(R=Origin Carrier, Rule 11 Shipment)<br>(1=1st Carrier After Origin Carrier)<br>(2=2 <sup>nd</sup> Carrier after origin carrier)<br>(3 = 3 <sup>rd</sup> carrier after origin carrier) | 133          | ID         | 1/2  |
| R203         | Junction Name<br>(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.<br>Des. | Name  | Data Element | Attributes |     |
|--------------|---|--------------|------------|-----|
| LX01         | Assigned Number<br>(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.<br>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<br>(T= STCC Code) | 23           | ID         | 1/1  |

### **L0 Segment: Line Item - Quantity and Weight**

#### **L0\*1\*\*\*193952\*E\*\*\*1\*TKR**

| Ref.<br>Des. | Name                                  | Data Element | Attributes |      |
|--------------|---------------------------------------|--------------|------------|------|
| L001         | Lading Line Item Number               | 213          | N0         | 1/6  |
| L004         | Weight                                | 81           | R          | 1/10 |
| L005         | Weight Qualifier<br>(N=Actual weight) | 187          | ID         | 1/2  |
| L008         | Lading Quantity                       | 80           | N0         | 1/7  |
| L009         | Packaging Form Code<br>(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**  
**MEA\*\*VWT\*0.7167\*KC\*\*\*15**

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

### LS Segment: Loop Header

**LS\*LH1**

| Ref.<br>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.<br>Des. | Name   | Data Element | Attributes |      |
|--------------|--|--------------|------------|------|
| LH101        | Unit or Basis for Measurement Code<br>(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<br>(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.<br>Des. | Name                                     | Data Element | Attributes |      |
|--------------|--|--------------|------------|------|
| LH201        | Hazardous Classification                 | 215          | ID         | 1/30 |
| LH202        | Hazardous Class Qualifier<br>(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.<br>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.<br>Des. | Name   | Data Element | Attributes |
|--------------|--|--------------|------------|
| LFH01        | Hazardous Material Information Qualifier<br>(HZC= hazardous substance constituents)<br>(TEC=technical name or chemical group name) | 808          | ID 3/3     |
| 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.<br>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.<br>Des. | Name  | Data Element | Attributes |
|--------------|---|--------------|------------|
| PER01        | Contact Function Code<br>(HM=primary 24-hour Hazardous Material Contact emergency phone number)<br>(MX=Mexican Hazardous Material Contact 24-hour emergency phone number)               | 366          | ID 2/2     |
| PER02        | Name<br>If the emergency response telephone number shown in PER04 is an emergency provider<br>(e.g Chemtrec), the PER02 must identify the company (offeror) by name or contract number. | 93           | AN 1/35    |
| PER03        | Communication Number Qualifier<br>(TE=Telephone)  | 365          | ID 2/2     |
| 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.<br>Des. | Name | Data Element | Attributes |
|--------------|------|--------------|------------|
| LH601        | Name | 93           | AN 1/60    |

