



# **Implementation Guide Rail Carrier Shipment Information**

**EDI 404**

**Hazardous Waste/Hazardous Recyclable Materials**

**Version 8030**

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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).

## **Basic EDI 404 (Rail Bill of Lading) Requirements**

The enclosed documentation covers information required to handle carload traffic of Hazardous Waste/Hazardous Recyclable Materials.

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.

## Waste Shipment 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 Hazardous Waste/Hazardous Recyclable Materials.

**EDI 404 Hazardous Waste/Hazardous Recyclable Materials data highlighted in bold red.**

ISA\*00\* \*00\* \*ZZ\*GENERIC \*02\*CN \*240105\*1339\*U\*00803\*006298413\*0\*P\*>  
GS\*SR\*GENERIC\*CN\*20240105\*1336\*98826\*X\*008030  
ST\*404\*988260001  
BX\*00\*R\*PP\*1257\*CN\*K\*B\*N\*\*\*10\*N\*2  
BNX\*R\*\*S  
M3\*R\*20240105\*1336\*ET  
N9\*BM\*1257\*\*20240105\*1336  
N7\*CGTX\*12345\*83560\*N\*\*\*\*\*RR  
M7\*12345  
M12\*61  
F9\*\*WATSON\*SK  
D9\*\*FREEPORT\*TX  
N1\*SH\*GENERIC CARLOAD INC  
N3\*123 FIRST ROAD  
N4\*WATSON\*SK\*S0K 4V0\*CA  
PER\*IC\*CONTACT NAME\*TE\*123-123-1234\*EM\*JOHNDOE@GENCAR.COM  
N1\*CN\*GENERIC CONSIGNEE CO  
N3\*12 SMITH STREET  
N4\*FREEPORT\*TX\*12345\*US  
PER\*IC\*CONTACT NAME\*TE\*555 555 1234  
N1\*PF\*GENERIC CARLOAD INC  
N3\*123 FIRST ROAD  
N4\*WATSON\*SK\*S0K 4V0\*CA  
N1\*XU\*CUSTOMS BROKER INC  
N3\*123 MAIN ST  
N4\*PORT HURON\*MI\*48060\*US  
R2\*CN\*S\*SUPER  
R2\*UP\*1  
LX\*1  
**L5\*1\*WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,\*4860198\*T**  
**L5\*1\*N.O.S.**  
L0\*1\*\*\*83560\*N\*\*\*1\*CLD  
X1\*\*\*C\*\*\*\*\*1\*1671200.0  
LS\*LH1  
LH1\*C4\*1\*UN3077\*\*4860198\*KG\*83560\*\*\*III  
LH2\*9\*P  
**LH3\*WASTE ENVIRONMENTALLY\*C\*NOS**  
**LH3\*HAZARDOUS SUBSTANCE,\*C\*NOS**  
**LH3\*SOLID, N.O.S.\*C\*NOS**  
**LFH\*TEC\*(NICKLE SULPHIDE)**  
**LFH\*ADI\*SCHEDULED TO ARRIVE\*24/01/19**  
**LEP\*(K171)**  
**LHR\*MDN\*UL01157-8**  
**LHR\*F3\*01**  
**LHR\*MA\*715311**  
PER\*HM\*offeror company name or contract number\*TE\*1 800 424 9300  
PER\*CN\*offeror company name or contract number\*TE\*1 613 996 6666  
N1\*SH\*GENERIC CARLOAD INC

N3\*123 FIRST ROAD  
N4\*WATSON\*SK\*S0K 4V0\*CA  
PER\*RP\*\*TE\*123-123-1234  
N1\*HZ\*GENERIC CARLOAD INC  
N3\*123 FIRST ROAD  
N4\*WATSON\*SK\*S0K 4V0\*CA  
PER\*RP\*\*TE\*123-123-1234  
N1\*HX\*CANADIAN NATIONAL RYS  
N3\*234 DONALD STREET  
N4\*WINNIPEG\*MB\*R3C 4B4\*CA  
N1\*HX\*UNION PACIFIC RR CO  
N3\*P.O. BOX 502453  
N4\*SUPERIOR\*WI\*63150\*US  
N1\*HW\*GENERIC CONSIGNEE CO  
N3\*12 SMITH STREET  
N4\*FREEPORT\*TX\*12345\*US  
PER\*RP\*\*TE\*555-555-1234  
LE\*LH1  
LH6\*JOHN Q SHIPPER  
XH\*USD\*N\*595  
SE\*74\*988260001  
GE\*1\*98826  
IEA\*1\*006298413

ISA\*00\*      \*00\*      \*ZZ\*GENERIC      \*02\*CN      \*240105\*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\*20240105\*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>(YYYYMMDD)  | 373          | DT 8/8     |
| GS05         | Time<br>(HHMMSS)  | 337          | TM 4/8     |
| 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\*PP\*1257\*CN\*K\*B\*N\*\*\*10\*N\*2**

| 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>(PP = Prepaid)   | 146          | ID 2/2     |
| BX04         | Shipment ID 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>(K = kilograms)  | 188          | ID 1/1     |
| BX07         | Shipment Qualifier<br>(B = Bill of Lading for Individual Shipment)                                 | 147          | ID 1/1     |
| BX08         | Section Seven Code<br>(N=not in effect)  | 226          | ID 1/1     |
| BX11         | Customs Documentation Handling Code<br>(10=Proforma entered – B13 Not Required)                    | 501          | ID 2/2     |
| BX12         | Confidential Billing Request Code<br>(N=not applicable)  | 199          | ID 1/1     |
| BX13         | Goods and Services Tax Reason Code<br>(2=Outbounds Goods and Services Tax Declaration to USA only) | 714          | ID 1/1     |

**BNX Segment: Rail Shipment Information****BNX\*R\*\*S**

| Ref.<br>Des. | Name   | Data Element | Attributes |
|--------------|--|--------------|------------|
| BNX01        | Shipment Weight Code<br>(R = Rail Carrier Scale) | 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\*20240105\*1336**

| Ref.<br>Des. | Name  | Data Element | Attributes |     |
|--------------|---|--------------|------------|-----|
| M301         | Release Code<br>(R = Release with Shipment Information) | 132          | ID         | 1/1 |
| M302         | Release Date<br>(CCYYMMDD)                              | 373          | DT         | 8/8 |
| M303         | Release Time<br>(HHMM, 24-hour clock 0001-2359)         | 337          | TM         | 4/6 |

**N9 Segment: Extended Reference Information**

Allows Reference Numbers to be sent to CN. At least one N9 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.

**N9\*BM\*1257\*\*20240105\*1336**

| Ref.<br>Des. | Name  | Data Element | Attributes |      |
|--------------|---|--------------|------------|------|
| N901         | Reference Number Qualifier<br>(BM = Bill of Lading number)  | 128          | ID         | 2/3  |
| N902         | Reference Number<br>(Max 15 characters for B/L # (BM))  | 127          | AN         | 1/30 |
| N904         | Date<br>(CCYYMMDD, required for B/L (BM))   | 373          | DT         | 8/8  |
| N905         | Time<br>(HHMM, 24-hour clock 0001-2359 or<br>HHMMSS or HHMMSSD or HHMMSSDD<br>H=hours 00-23 M=minutes 00-59 S=seconds 00-59<br>DD=decimal seconds in tenths and hundredths 00-99) | 337          | TM         | 4/8  |

**N7 Segment: Equipment Details**

**N7\*CGTX\*12345\*83560\*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 = Net Weight)          | 187          | ID         | 1/2  |
| N711         | Equipment Description Code<br>(RR = Railcar } | 40           | ID         | 2/2  |

**M7 Segment: Seal Numbers**

**M7\*12345**

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

**M12 Segment: In-bond Identifying Information**

**M12\*61**

| Ref.<br>Des. | Name   | Data Element | Attributes |     |
|--------------|--|--------------|------------|-----|
| M1201        | Customs Entry Type Code<br>(61=Immediate Transportation) | 581          | ID         | 2/3 |

**F9 Segment: Origin Station**

Indicates the origin of the shipment, the point from which it is shipped. The spelling should be in accordance with that listed in the Standard Point Location Code (SPLC) standard available from the National Motor Freight Tariff Association (USA) or the National Transportation Agency (Canada). CN can provide spellings for your stations.

**F9\*\*WATSON\*SK**

| 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. The spelling should be in accordance with that listed in the Standard Point Location Code (SPLC) standard available from the National Motor Freight Tariff Association (USA) or the National Transportation Agency (Canada). CN can provide spellings for your stations.

**D9\*\*FREEPORT\*TX**

| 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 the N3 and N4 segments below. N1, N3 and N4 segments are repeated for the Consignee and any other Additional Parties to the shipment.

**N1\*SH\*GENERIC CARLOAD INC  
 N3\*123 FIRST ROAD  
 N4\*WATSON\*SK\*S0K 4V0\*CA  
 N1\*CN\*GENERIC CONSIGNEE CO  
 N3\*12 SMITH STREET  
 N4\*FREEPORT\*TX\*12345\*US  
 N1\*PF\*GENERIC CARLOAD INC  
 N3\*123 FIRST ROAD  
 N4\*WATSON\*SK\*S0K 4V0\*CA  
 N1\*XU\*CUSTOMS BROKER INC  
 N3\*123 MAIN ST  
 N4\*PORT HURON\*MI\*48060\*US**

| Ref.<br>Des. | Name  | Data Element | Attributes |
|--------------|---|--------------|------------|
| N101         | Entity Identifier Code<br>(SH = Shipper)<br>(CN = Consignee)<br>(PF = Payer of Freight)<br>(XU = US Customs Broker) | 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    |

**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**

PER\*IC\*CONTACT NAME\*TE\*123-123-1234\*EM\*JOHNDOE@GENCAR.COM  
 PER\*IC\*CONTACT NAME\*TE\*555 555 1234

| Ref.<br>Des. | Name   | Data Element | Attributes |      |
|--------------|--|--------------|------------|------|
| PER01        | Contact function code<br>(IC = Information contact)              | 366          | ID         | 2/2  |
| PER02        | Name   | 93           | AN         | 1/35 |
| PER03        | Communication number qualifier<br>(TE=telephone)<br>(EM = email) | 365          | ID         | 2/2  |
| PER04        | Communication number   | 364          | AN         | 1/80 |
| PER05        | Communication Number Qualifier                                   | 365          | ID         | 2/2  |
| PER06        | Communication Number   | 364          | AN         | 1/80 |

**Note: Information Contact (IC) information is required for the Shipper (N101=SH) to provide contact for the person submitting the EDI404, and must include both a telephone number (TE) and an email address (EM)  
 The value entered in the PER02/03 should be the preferred method of contact.**

**R2 Segment: Route Information**

One R2 segment for each railroad in the route. CN can provide route information for your shipments (i.e.: Railroad SCAC's and junctions).

**R2\*CN\*S\*SUPER  
 R2\*UP\*1**

| 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>(S=Origin Carrier, Shipper's Routing (Rail)<br>(1=1st 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\*WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,\*4860198\*T  
L5\*1\*N.O.S.**

| Ref.<br>Des. | Name  | Data Element | Attributes |      |
|--------------|---|--------------|------------|------|
| L501         | Line Number   | 213          | N0         | 1/6  |
| L502         | Commodity Description   | 79           | AN         | 1/50 |
| L503         | Commodity Code<br>(7 digit Standard Transportation Commodity Code (STCC))       | 22           | AN         | 1/30 |
| L504         | Commodity Code Qualifier<br>(T = Standard Transportation Commodity Code (STCC)) | 23           | ID         | 1/1  |

**L0 Segment: Line Item - Quantity and Weight****L0\*1\*\*\*83560\*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 = Net Weight)   | 187          | ID         | 1/2  |
| L008         | Lading Quantity                        | 80           | N0         | 1/7  |
| L009         | Packaging Form Code<br>(CLD = Carload) | 211          | ID         | 3/3  |

**X1 Segment: Export License**

***Mandatory for transborder shipments***

**X1\*\*\*C\*\*\*\*\*1\*1671200.0**

| Ref.<br>Des. | Name   | Data Element | Attributes |
|--------------|--|--------------|------------|
| X103         | Export License Status Code<br>(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.<br>Des. | Name                 | Data Element | Attributes |
|--------------|----------------------|--------------|------------|
| LS01         | Loop Identifier Code | 447          | AN 1/6     |

**LH1 Segment: Hazardous Identification Information**

**LH1\*C4\*1\*UN3077\*\*4860198\*KG\*83560\*\*\*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           | N0 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>(KG = kilograms) | 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**

| 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     |

**LH3 Segment: Hazardous Material Shipping Name Information**

**LH3\*WASTE ENVIRONMENTALLY\*C\*NOS**  
**LH3\*HAZARDOUS SUBSTANCE,\*C\*NOS**  
**LH3\*SOLID, N.O.S.\*C\*NOS**

| 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.<br>(C = Canadian Shipping Name) |              |            |      |

**LFH Segment: Free-form Hazardous Material Information**

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

**LFH\*TEC\*(NICKLE SULPHIDE)**  
**LFH\*ADI\*SCHEDULED TO ARRIVE\*24/01/19**

| Ref.<br>Des. | Name  | Data Element | Attributes |      |
|--------------|---|--------------|------------|------|
| LFH01        | Hazardous Material Information Qualifier<br>(TEC=technical name or chemical group name)<br>(ADI = Additional descriptive information not required by regulation but desired to accompany the movement by the shipper) | 808          | ID         | 3/3  |
| LFH02        | Hazardous Material Shipment Information   | 809          | AN         | 1/25 |

**LEP Segment: EPA Required Data**

To specify the Environmental Protection Agency (EPA) information relating to shipments of hazardous material.

**LEP\*(K171)**

| Ref.<br>Des. | Name   | Data Element | Attributes |     |
|--------------|--|--------------|------------|-----|
| LEP01        | EPA Waste Stream Number Code   | 806          | ID         | 4/6 |
|              | Code specifying the waste stream number applicable to the movement of hazardous waste as determined by government regulations. |              |            |     |

**LHR Segment: Hazardous Material Identifying Reference Numbers**



To transmit specific hazardous material reference numbers.

**LHR\*MDN\*UL01157-8**  
**LHR\*F3\*01**  
**LHR\*MA\*715311**

| Ref.<br>Des. | Name   | Data Element | Attributes |      |
|--------------|--|--------------|------------|------|
| LHR01        | Reference Identification Qualifier<br>(MDN = Hazardous Waste Manifest Document Number)<br>(F3 = Submission Number)<br>(MA = Ship Notice/Manifest Number) | 128          | ID         | 2/3  |
| LHR02        | Reference Identification   | 127          | AN         | 1/80 |

**PER Segment: Administrative Communications Contact**

**PER\*HM\*offeror company name or contract number\*TE\*1 800 424 9300**  
**PER\*CN\*offeror company name or contract number\*TE\*1 613 996 6666**

| Ref.<br>Des. | Name   | Data Element | Attributes |      |
|--------------|--|--------------|------------|------|
| PER01        | Contact Function Code<br>(HM=primary 24-hour Hazardous Material Contact emergency phone number)<br>(CN=Canadian 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., Canutec), 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 |

**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 FIRST ROAD**  
**N4\*WATSON\*SK\*S0K 4V0\*CA**  
**N1\*HZ\*GENERIC CARLOAD INC**  
**N3\*123 FIRST ROAD**  
**N4\*WATSON\*SK\*S0K 4V0\*CA**  
**N1\*HX\*CANADIAN NATIONAL RYS**  
**N3\*234 DONALD STREET**  
**N4\*WINNIPEG\*MB\*R3C 4B4\*CA**  
**N1\*HX\*UNION PACIFIC RR CO**  
**N3\*P.O. BOX 502453**  
**N4\*SUPERIOR\*WI\*63150\*US**  
**N1\*HW\*GENERIC CONSIGNEE CO**  
**N3\*12 SMITH STREET**  
**N4\*FREEPORT\*TX\*12345\*US**

| Ref.<br>Des. | Name  | Data Element | Attributes |
|--------------|---|--------------|------------|
| N101         | Entity Identifier Code<br>(SH = Shipper)<br>(HZ = Hazardous Waste Generator)<br>(HX – Transporter of Hazardous Waste)<br>(HW = Designated Hazardous Waste Facility) | 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    |

**N4 Segment: Geographic Location**

| Ref.<br>Des. | Name                   | Data Element | Attributes |
|--------------|------------------------|--------------|------------|
| N401         | City Name              | 19           | AN 2/19    |
| N402         | State or Province Code | 156          | ID 2/2     |
| N403         | Postal Code            | 116          | ID 3/9     |
| N404         | Country Code           | 26           | ID 2/3     |

**PER Segment: Administrative Communications Contact**

**PER\*RP\*\*TE\*123-123-1234**  
**PER\*RP\*\*TE\*123-123-1234**  
**PER\*RP\*\*TE\*555-555-1234**

| Ref.<br>Des. | Name   | Data Element | Attributes |
|--------------|--|--------------|------------|
| PER01        | Contact function code<br>(RP = Responsible person) | 366          | ID 2/2     |
| PER03        | Communication number qualifier<br>(TE=telephone)   | 365          | ID 2/2     |
| PER04        | Communication number                               | 364          | ID 1/80    |

**LE Segments: Loop Trailer**

**LE\*LH1**

| Ref.<br>Des. | Name                 | Data Element | Attributes |
|--------------|----------------------|--------------|------------|
| LE01         | Loop Identifier Code | 447          | AN 1/6     |

**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    |

**XH Segment: Pro Forma - B13 Information**

**XH\*USD\*N\*595**

| Ref.<br>Des. | Name   | Data Element | Attributes |     |
|--------------|--|--------------|------------|-----|
| XH01         | Currency Code  | 100          | ID         | 3/3 |
| XH02         | Related Company Indication Code<br>(N = transaction between unrelated companies) | 645          | ID         | 1/1 |
| XH03         | Special Charge or Allowance Code<br>(595 = Proforma Invoice)                     | 150          | ID         | 3/3 |

**SE Segment: Transaction Set Trailer****SE\*74\*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<br>(Repeated from ST segment ST02) | 329          | AN         | 4/9  |

**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 |