



**Bill of Lading
404
EDI Mapping**

Empty Residue Carload EDI 404

Canadian National Railway - Electronic Commerce

The enclosed documentation covers information required to handle empty residue carload traffic for domestic and cross border destinations.

Empty non-revenue Rail Bill of Lading Requirements Traffic originating in Canada

CN is currently using the X12 Standard Version/Release 7010/RAIL

Sample EDI Transmission with required data for the 404 Transaction Set on empty residue carload traffic for traffic originating in Canada. All empty residue shipments will require a residue weight value to be provided in the N703/N704 of the EDI transmission. The only exception will be tank car equipment that has been cleaned and purged and the L503 value (Commodity Code) is 3742263.

Sample EDI Transmission with required data for the 404 Transaction Set on empty residue traffic originating in Canada.

ISA*00* *00* *ZZ*GENERIC *02*CN *180112*145
4*U*00701*000054913*0*P*^
GS*SR*GENERIC*CN*20180112*1454*0092*X*007010
ST*404*00920001
BX*00*R*NRCN*L*E**
BNX*RS**
M3*R*20180112*1454
N9*BM*49503323020180112*1454**
N7*CRDX*8962*1500*E***RR**
F9WATSON*SK**
D9VANCOUVER*BC**
N1*SH*GENERIC CARLOAD INC
N3*123 ROAD
N4*WATSON*SK
PER*IC*CONTACT NAME*TE*123-123-1234
N1*CN*GENERIC CONSIGNEE CO
N3*12 SMITH STREET
N4*VANCOUVER*BC
R2*CN*S**R**
LX*1
L5*1*DRY SUGAR*2062110*T
L0*1***1*CLD**
SE*20*00920001
GE*1*0092
IEA*1*000054913

ISA Segment: Interchange Control Header

**ISA*00* *00* *ZZ*GENERIC *02*CN *180112*145
4*U*00701*000054913*0*P*^**

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|----------------|---|-----------------|--------------|-----------------------|
| ISA01 | Authorization Information Qualifier | I01 | ID | 2/2 |
| ISA02 | Authorization Information (ten spaces) | I02 | AN | 10/10 |
| ISA03 | Security Information Qualifier | I03 | ID | 2/2 |
| ISA04 | Security Information (ten spaces) | I04 | AN | 10/10 |
| ISA05 | Interchange ID Qualifier | I05 | ID | 2/2 |
| ISA06 | Interchange Sender ID (GENERIC - fill out field with spaces) | I06 | AN | 15/15 |
| ISA07 | Interchange ID Qualifier (If RR SCAC use 02) | I05 | ID | 2/2 |
| ISA08 | Interchange Receiver ID (CN- fill out field with spaces) | I07 | AN | 15/15 |
| ISA09 | Interchange Date (YYMMDD) | I08 | DT | 6/6 |
| ISA10 | Interchange Time (HHMM) | I09 | TM | 4/4 |
| ISA11 | Repetition Separator (Suggest “^”) | I65 | | 1/1 |
| ISA12 | Interchange Control Version Number (Value 00701) | I11 | ID | 5/5 |
| ISA13 | Interchange Control Number (a control number assigned by sender) | I12 | N0 | 9/9 |
| ISA14 | Acknowledgment Requested (0 = none requested, 1= requested) | I13 | ID | 1/1 |
| ISA15 | Usage Indicator (P = Production, T = Test) | I14 | ID | 1/1 |
| ISA16 | Component Element Separator (Suggest “.”) | I15 | | 1/1 |

GS Segment: Functional Group Header

GS*SR*GENERIC*CN*20180112*1454*0092*X*007010

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|----------------|--|-----------------|--------------|-----------------------|
| GS01 | Functional Identifier Code (SR = Rail Carrier Shipment Information) | 479 | ID | 2/2 |
| GS02 | Application Sender's Code (Customer's sender ID) | 142 | AN | 2/15 |
| GS03 | Application Receiver's Code (CN = Canadian National) | 124 | AN | 2/15 |
| GS04 | Date (CCYYMMDD) | 373 | DT | 8/8 |
| GS05 | Time (HHMM) | 337 | TM | 4/6 |
| GS06 | Group Control Number (Assigned number originated and maintained by the sender) | 28 | N0 | 1/9 |
| GS07 | Responsible Agency Code (X = Accredited Standards Committee X12) | 455 | ID | 1/2 |
| GS08 | Version / Release / Industry Identity (CN is using version 007010 of the X12 EDI Standards) | 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*00920001

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|----------------|---|-----------------|--------------|-----------------------|
| 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*NRCN*L*E**

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|----------------|---|-----------------|--------------|-----------------------|
| 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 (PP = Prepaid, CC = Collect, NR = non revenue) | 146 | ID | 2/2 |
| BX05 | Standard Carrier Alpha Code (CN = CN Rail) | 140 | ID | 2/4 |
| BX06 | Weight Unit Code (L = Pounds, K= Kilograms) | 188 | ID | 1/1 |
| BX07 | Shipment Qualifier (E = empty equipment billing (non-revenue)) | 147 | ID | 1/1 |

BNX Segment: Rail Shipment Information

BNX*RS**

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|----------------|--|-----------------|--------------|-----------------------|
| BNX01 | Shipment Weight Code (A = Wgt Agreement Number) (N = Per Car Charge) (R = Rail Carrier Scale) | 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*20180112*1454

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|----------------|---|-----------------|--------------|-----------------------|
| M301 | Release Code (R = Release with Shipment Information) | 132 | ID | 1/1 |
| M302 | Release Date (CCYYMMDD) | 373 | DT | 8/8 |
| M303 | Release Time (HHMM, 24 hour clock 0001-2359) | 337 | TM | 4/6 |

N9 Segment: Reference Number

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*49503323020180112*1454**

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

N7 Segment: Equipment Details

N7*CRDX*8962*1500*E***RR**

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|----------------|--|-----------------|--------------|-----------------------|
| N701 | Equipment Initial | 206 | AN | 1/4 |
| N702 | Equipment Number | 207 | AN | 1/15 |
| N703 | Weight | 81 | R | 1/10 |
| N704 | Weight Qualifier (E = Estimated Weight) (N = Net Weight) | 187 | ID | 1/2 |
| N711 | Equipment Description Code (RR = Railcar } | 40 | ID | 2/2 |

F9 Segment: Origin

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) standard available from the National Motor Freight Tariff Association (USA) or the National Transportation Agency (Canada). CN can provide spellings for your stations.

F9WATSON*SK**

| Data Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|----------|------------------------|--------------|-----------|--------------------|
| F902 | Origin Station | 19 | AN | 2/30 |
| F903 | State or Province Code | 156 | ID | 2/2 |

D9 Segment: Destination

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 the National Motor Freight Tariff Association (USA) or the National Transportation Agency (Canada). CN can provide spellings for your stations.

D9VANCOUVER*BC**

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|-------------|------------------------|--------------|-----------|--------------------|
| D902 | Destination Station | 19 | AN | 2/30 |
| D903 | State or Province Code | 156 | ID | 2/2 |

N1 Segment: Name

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*HAZARDOUS SHIPPER INC
N3*123 ROAD
N4*WATSON*SK*S0K 4V0
N1*CN*HAZARDOUS CONSIGNEE CO
N3*12 SMITH STREET
N4*VANCOUVER*BC*V5K 1P7**

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|-------------|---|--------------|-----------|--------------------|
| N101 | Entity Identifier Code (SH = Shipper) (CN = Consignee) (C1 = Care of Party) (PF = Payer of Freight) | 98 | ID | 2/3 |
| N102 | Name | 93 | AN | 1/35 |

N3 Segment: Address

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|-------------|---------------------|--------------|-----------|--------------------|
| N301 | Address Information | 166 | AN | 1/30 |
| N302 | Address Information | 166 | AN | 1/30 |

N4 Segment: City

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|-------------|------------------------|--------------|-----------|--------------------|
| N401 | City Name | 19 | AN | 2/30 |
| N402 | State or Province Code | 156 | ID | 2/2 |
| N403 | Postal Code | 116 | ID | 3/15 |

R2 Segment: Route Information

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

R2*CN*S**R**

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|-------------|---|--------------|-----------|--------------------|
| R201 | Standard Carrier Alpha Code (SCAC) (CN = Canadian National etc) | 140 | ID | 2/4 |
| R202 | Routing Sequence Code (S = Origin Carrier, Shipper's Routing (Rail)) | 133 | ID | 1/2 |
| R206 | Transportation Method/Type Code (R = Rail) | 91 | ID | 1/2 |

LX Segment: Assigned Number**LX*1**

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|-------------|---|--------------|-----------|--------------------|
| LX01 | Assigned Number (Number assigned for differentiation within a transaction set) | 554 | N0 | 1/6 |

L5 Segment: Commodity Description.

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*DRY SUGAR*2062110*T

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|----------------|--|-----------------|--------------|-----------------------|
| L501 | Line Number | 213 | N0 | 1/6 |
| L502 | Commodity Description | 79 | AN | 1/50 |
| L503 | Commodity Code (7 digit Standard Transportation Commodity Code (STCC)) (eg. DRY SUGAR = 2062110) | 22 | AN | 1/30 |
| L504 | Commodity Code Qualifier (T = Standard Transportation Commodity Code (STCC)) | 23 | ID | 1/1 |

L0 Segment: Line Item, Quantity and Weight

L0*1**E***1*CLD**

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|----------------|--|-----------------|--------------|-----------------------|
| L001 | Lading Line Item Number | 213 | N0 | 1/6 |
| L004 | Weight | 81 | R | 1/10 |
| L005 | Weight Qualifier (E = Estimated Weight) (N = Net Weight) | 187 | ID | 1/2 |
| L008 | Lading Quantity | 80 | N0 | 1/7 |
| L009 | Packaging Form Code (CLD = Carload) | 211 | ID | 3/3 |

SE Segment: Transaction Set Trailer

SE*20*00920001

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|----------------|---|-----------------|--------------|-----------------------|
| SE01 | Number Of Included Segments (Includes ST and SE segments) | 96 | N0 | 1/10 |
| SE02 | Transaction Set Control Number (Repeated from ST segment ST02) | 329 | AN | 4/9 |

GE Segment: Functional Group Trailer

GE*1*0092

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|----------------|---|-----------------|--------------|-----------------------|
| 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*000054913

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|----------------|--|-----------------|--------------|-----------------------|
| IEA01 | Number of included Functional Groups | I16 | N0 | 1/5 |
| IEA02 | Interchange Control Number (Same number as ISA13) | I12 | N0 | 9/9 |

**Empty non-revenue Rail Bill of Lading Requirements
Traffic originating in United States**

Sample EDI Transmission with required data for the 404 Transaction Set on empty residue traffic originating in the United States.

**ISA*00* *00* *ZZ*GENERIC *02*CN *180112*145
4*U*00701*000054913*0*P^
GS*SR*GENERIC*CN*20180112*1454*0092*X*007010
ST*404*00920001
BX*00*R*NR**CN*L*E
BNX*R**S
M3*R*20180112*1454
N9*BM*495033230**20180112*1454
N7*CRDX*8962*****RR
F9**DECATUR*IL
D9**DESTREHAN*LA
N1*SH*GENERIC CARLOAD INC
N3*123 ROAD
N4*WATSON*SK
PER*IC*CONTACT NAME*TE*123-123-1234
N1*CN*GENERIC CONSIGNEE CO
N3*123 STREET
N4*VANCOUVER*BC
R2*CN*S****R
LX*1
L5*1*DRY SUGAR*2062110*T
L0*1*****1*CLD
SE*20*00920001
GE*1*0092
IEA*1*000054913**

Empty non –revenue Rail Bill of Lading (Transborder) Requirements

CN is currently using the X12 Standard Version/Release 7010/RAIL

Sample EDI Transmission with required data for the 404 Transaction Set on empty residue carload traffic destined to the United States. All empty residue shipment crossing the border will require a residue weight value to be provided in the N703/N704 of the EDI transmission. The only exception will be equipment that has been cleaned and purged, STCC 3742263.

Empty shipments with residue weight less than 7% of the loaded capacity of the equipment will require full commodity description (STCC), the residue weight (N703/N704) value as well as civic address information for all parties to the shipment.

Empty shipments with residue weight equal to or in excess of 7% of the loaded capacity of the equipment will require full commodity description (STCC), complete civic address information for each party to the shipment as well as a customs broker.

ISA*00* *00* *ZZ*GENERIC *02*CN *180112*145
4*U*00701*000054913*0*P*^
GS*SR*GENERIC*CN*20180112*1454*0092*X*007010
ST*404*00920001
BX*00*R*NRCN*L*E****30**2**
BNX*RS**
M3*R*20180112*1454
N9*BM*49503323020180112*1454**
N7*CRDX*8962*15000*E***RR**
F9WATSON*SK**
D9CEDAR RAPIDS*IA**
N1*SH*GENERIC CARLOAD INC
N3*123 ROAD
N4*WATSON*SK
PER*IC*CONTACT NAME*TE*123-123-1234
N1*CN*GENERIC CARLOAD CO
N3*12 SMITH STREET
N4*CEDAR RAPIDS*IA
N1*XU*BROKER NAME
N3*123 MAIN STREET
N4*LANIER*MN
R2*CN*S*SUPER*R**
R2*UP*1**R**
LX*1
L5*1*DRY SUGAR*2062110*T
L5*1*THIS SHIPMENT OF MERCHANDISE IS VALUED BELOW
L5*1*\$200 AND MEETS THE REQUIREMENTS OF 19 U.S.C.
L5*1*1321(A)(2) TO QUALIFY FOR INFORMAL ENTRY
L0*1*15000*E***1*CLD**
SE*22*00920001
GE*1*0092
IEA*1*000054913

ISA Segment: Interchange Control Header

**ISA*00* *00* *ZZ*GENERIC *02*CN *180112*145
4*U*00701*000054913*0*P*^**

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|----------------|---|-----------------|--------------|-----------------------|
| ISA01 | Authorization Information Qualifier | I01 | ID | 2/2 |
| ISA02 | Authorization Information (ten spaces) | I02 | AN | 10/10 |
| ISA03 | Security Information Qualifier | I03 | ID | 2/2 |
| ISA04 | Security Information (ten spaces) | I04 | AN | 10/10 |
| ISA05 | Interchange ID Qualifier | I05 | ID | 2/2 |
| ISA06 | Interchange Sender ID (GENERIC - fill out field with spaces) | I06 | AN | 15/15 |
| ISA07 | Interchange ID Qualifier (If RR SCAC use 02) | I05 | ID | 2/2 |
| ISA08 | Interchange Receiver ID (CN- fill out field with spaces) | I07 | AN | 15/15 |
| ISA09 | Interchange Date (YYMMDD) | I08 | DT | 6/6 |
| ISA10 | Interchange Time (HHMM) | I09 | TM | 4/4 |
| ISA11 | Repetition Separator (Suggest “^”) | I65 | | 1/1 |
| ISA12 | Interchange Control Version Number (Value 00701) | I11 | ID | 5/5 |
| ISA13 | Interchange Control Number (a control number assigned by sender) | I12 | N0 | 9/9 |
| ISA14 | Acknowledgment Requested (0 = none requested, 1= requested) | I13 | ID | 1/1 |
| ISA15 | Usage Indicator (P = Production, T = Test) | I14 | ID | 1/1 |
| ISA16 | Component Element Separator (Suggest “:.”) | I15 | | 1/1 |

GS Segment: Functional Group Header

GS*SR*GENERIC*CN*20180112*1454*0092*X*007010

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|----------------|--|-----------------|--------------|-----------------------|
| GS01 | Functional Identifier Code (SR = Rail Carrier Shipment Information) | 479 | ID | 2/2 |
| GS02 | Application Sender's Code (Customer's sender ID) | 142 | AN | 2/15 |
| GS03 | Application Receiver's Code (CN = Canadian National) | 124 | AN | 2/15 |
| GS04 | Date (CCYYMMDD) | 373 | DT | 8/8 |
| GS05 | Time (HHMM) | 337 | TM | 4/6 |
| GS06 | Group Control Number (Assigned number originated and maintained by the sender) | 28 | N0 | 1/9 |
| GS07 | Responsible Agency Code (X = Accredited Standards Committee X12) | 455 | ID | 1/2 |
| GS08 | Version / Release / Industry Identity (CN is using version 007010 of the X12 EDI Standards) | 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*00920001

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|----------------|---|-----------------|--------------|-----------------------|
| 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*NRCN*L*E****30**2**

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|----------------|---|-----------------|--------------|-----------------------|
| 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 (PP = Prepaid, CC = Collect, NR = non revenue) | 146 | ID | 2/2 |
| BX05 | Standard Carrier Alpha Code (CN = CN Rail) | 140 | ID | 2/4 |
| BX06 | Weight Unit Code (L = Pounds, K= Kilograms) | 188 | ID | 1/1 |
| BX07 | Shipment Qualifier (E = empty equipment billing (non-revenue)) | 147 | ID | 1/1 |
| BX11 | Customs Documentation handling code (30 = Proforma with Broker, no B13 required) | 501 | ID | 2/2 |
| BX13 | Goods and Services Tax Reason Code (2 = No GST to apply) | 714 | ID | 1/1 |

BNX Segment: Rail Shipment Information

BNX*RS**

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|----------------|--|-----------------|--------------|-----------------------|
| BNX01 | Shipment Weight Code (A = Wgt Agreement Number) (N = Per Car Charge) (R = Rail Carrier Scale) | 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*20180112*0728

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|----------------|---|-----------------|--------------|-----------------------|
| M301 | Release Code (R = Release with Shipment Information) | 132 | ID | 1/1 |
| M302 | Release Date (CCYYMMDD) | 373 | DT | 8/8 |

M303 Release Time 337 TM 4/6
 (HHMM, 24 hour clock 0001-2359)

N9 Segment: Reference Number

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*49503323020180112*1454**

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

N7 Segment: Equipment Details

N7*CRDX*8962*15000*E***RR**

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|----------------|--|-----------------|--------------|-----------------------|
| N701 | Equipment Initial | 206 | AN | 1/4 |
| N702 | Equipment Number | 207 | AN | 1/15 |
| N703 | Weight | 81 | R | 1/10 |
| N704 | Weight Qualifier (E = Estimated Weight) (N = Net Weight) | 187 | ID | 1/2 |
| N711 | Equipment Description Code (RR = Railcar } | 40 | ID | 2/2 |

F9 Segment: Origin

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) standard available from the National Motor Freight Tariff Association (USA) or the National Transportation Agency (Canada). CN can provide spellings for your stations.

F9WATSON*SK**

| Data Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|----------|------------------------|--------------|-----------|--------------------|
| F902 | Origin Station | 19 | AN | 2/30 |
| F903 | State or Province Code | 156 | ID | 2/2 |

D9 Segment: Destination

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 the National Motor Freight Tariff Association (USA) or the National Transportation Agency (Canada). CN can provide spellings for your stations.

D9CEDAR RAPIDS*IA**

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|-------------|------------------------|--------------|-----------|--------------------|
| D902 | Destination Station | 19 | AN | 2/30 |
| D903 | State or Province Code | 156 | ID | 2/2 |

N1 Segment: Name

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 ROAD
N4*WATSON*SK
N1*CN*GENERIC CONSIGNEE CO
N3*12 SMITH STREET
N4*CEDAR RAPIDS*IA
N1*XU*BROKER NAME**

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|-------------|--|--------------|-----------|--------------------|
| N101 | Entity Identifier Code (CN = Consignee) (SH = Shipper) (C1 = Care of Party) (PF = Payor of Freight) (XU = Broker) | 98 | ID | 2/3 |
| N102 | Name | 93 | AN | 1/35 |

N3 Segment: Address

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|-------------|---------------------|--------------|-----------|--------------------|
| N301 | Address Information | 166 | AN | 1/30 |
| N302 | Address Information | 166 | AN | 1/30 |

N4 Segment: City

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|-------------|------------------------|--------------|-----------|--------------------|
| N401 | City Name | 19 | AN | 2/30 |
| N402 | State or Province Code | 156 | ID | 2/2 |
| N403 | Postal Code | 116 | ID | 3/15 |

R2 Segment: Route Information

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

R2*CN*S*SUPER*R**
R2*UP*1*R**

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|-------------|---|--------------|-----------|--------------------|
| R201 | Standard Carrier Alpha Code (SCAC) (CN = Canadian National etc) | 140 | ID | 2/4 |
| R202 | Routing Sequence Code (S = Origin Carrier, Shipper's Routing (Rail)) (1 = 1 st carrier after origin carrier) | 133 | ID | 1/2 |
| R206 | Transportation Method/Type Code (R = Rail) | 91 | ID | 1/2 |

LX Segment: Assigned Number

LX*1

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|-------------|---|--------------|-----------|--------------------|
| LX01 | Assigned Number (Number assigned for differentiation within a transaction set) | 554 | N0 | 1/6 |

L5 Segment: Commodity Description

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*DRY SUGAR*2062110*T
L5*1*THIS SHIPMENT OF MERCHANDISE IS VALUED BELOW
L5*1*\$200 AND MEETS THE REQUIREMENTS OF 19 U.S.C.
L5*1*1321(A)(2) TO QUALIFY FOR INFORMAL ENTRY**

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|----------------|--|-----------------|--------------|-----------------------|
| L501 | Line Number | 213 | N0 | 1/6 |
| L502 | Commodity Description | 79 | AN | 1/50 |
| L503 | Commodity Code (7 digit Standard Transportation Commodity Code (STCC)) (ie 2062110 =DRY SUGAR) | 22 | AN | 1/30 |
| L504 | Commodity Code Qualifier (T = Standard Transportation Commodity Code (STCC)) | 23 | ID | 1/1 |

L0 Segment: Line Item, Quantity and Weight

L0*1*15000*E***1*CLD**

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|----------------|--|-----------------|--------------|-----------------------|
| L001 | Lading Line Item Number | 213 | N0 | 1/6 |
| L004 | Weight | 81 | R | 1/10 |
| L005 | Weight Qualifier (E = Estimated Weight) (N = Net Weight) | 187 | ID | 1/2 |
| L008 | Lading Quantity | 80 | N0 | 1/7 |
| L009 | Packaging Form Code (CLD = Carload) | 211 | ID | 3/3 |

SE Segment: Transaction Set Trailer

SE*22*00920001

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|----------------|---|-----------------|--------------|-----------------------|
| SE01 | Number Of Included Segments (Includes ST and SE segments) | 96 | N0 | 1/10 |
| SE02 | Transaction Set Control Number (Repeated from ST segment ST02) | 329 | AN | 4/9 |

GE Segment: Functional Group Trailer

GE*1*0092

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|----------------|---|-----------------|--------------|-----------------------|
| 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*000054913

| Element Seq | Element Name | Data Element | Data Type | Characters Min/Max |
|----------------|--|-----------------|--------------|-----------------------|
| IEA01 | Number of included Functional Groups | I16 | N0 | 1/5 |
| IEA02 | Interchange Control Number (Same number as ISA13) | I12 | N0 | 9/9 |