



# Bill of Lading

EDI404 Mapping for shipments of Hazardous Materials  
(regulated by CFR49) originating in the USA

ACS Version 5050

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## **Purpose**

This document covers information required to create a complete EDI404 Shipping Instruction/Bill of Lading message for

- shipments in railcars containing Hazardous Materials, as defined in US regulations CFR49
- Originating at a loading location located in the US

## **Sample EDI message**

Sample EDI Transmission with required data for the 404 Transaction Set on Dangerous Goods that will be used in the mapping guide details later in the document.

## ***Shipment Description***

This is a shipment of 12000 gallons of Isobutane from Chicago IL to Sidney MT Shipped by *Hazmat Shipper* to *Hazmat Receiver*.

## Example EDI

```

ISA*00*          *00*          *ZZ*GENERIC          *02*CN
*020725*1454*U*00405*000054913*0*P*^
GS*SR*HAZARDOUSSHIPPER*CN*20000207*0728*0092*X*004050
ST*404*00920001
BX*00*R*PP**CN*L*B
BNX*S**S
M3*R*20000207*0728
N9*BM*495033230**20000207*0728
N9*IX*1234A
N7*CN*123456*213360*N*****RR
F9**CHICAGO*IL
D9**SIDNEY*MT
N1*SH*HAZARDOUS SHIPPER INC
N3*123 ROAD
N4*CHICAGO*IL*60606
PER*IC*MY NAME*TE*1231231234*EM*MY.NAME@HAZINC.COM
N1*CN*HAZARDOUS RECEIVER CO
N3*12 SMITH STREET
N4*SIDNEY*MT*45000
R2*CN*S*CHGO***R
R2*UP*1
LX*1
L5*1*ISOBUTANE*4905753*T
L0*1***213360*N*12000*G*1*TKR**L
PJ*CT*123456****CN
LS*LH1
LH1*TK*1*UN1075**4905753
LH2*2.1*P
LH3*ISOBUTANE*D
LH6*JOHN SHIPMAN
LFH*ADI*ADDITIONAL INFO
LE*LH1
PER*HM*JOHN SHIPMAN*TE*1231231234
SE*26*00920001
GE*1*0092
IEA*1*000054913

```

## Shipments within the US

### ISA Segment: Interchange Control Header

Identifies the beginning of the transmission.

```
ISA*00*          *00*          *ZZ*GENERIC          *02*CN          *020725*1454*U*00405*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	I04	AN	10/10
ISA05	Interchange ID Qualifier	I05	ID	2/2
ISA06	Interchange Sender ID (fill out with spaces)	I06	AN	15/15

ISA07	Interchange ID Qualifier (If RR SCAC use 02)	I05	ID	2/2
ISA08	Interchange Receiver ID (RR SCAC- 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 00405)	I11	ID	5/5
ISA13	Interchange Control Number (number assigned by sender)	I12	N0	9/9
ISA14	Acknowledgment Requested (0 = none required, 1= required)	I13	ID	1/1
ISA15	Usage Indicator (P = Production, T = Test)	I14	ID	1/1
ISA16	Component Element Separator	I15		1/1

*Note: ISA segment is fixed width. If fewer characters are required, pad with spaces.*

## GS Segment: Functional Group Header

Identifies the beginning of a group of documents of one type within the transmission.

*GS\*SR\*HAZARDSHIPPER\*CN\*20000207\*0728\*0092\*X\*004050*

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 004050 of the X12 EDI Standards)	480	AN	1/12

## ST Segment: Transaction Set Header

To indicate the start of a specific document within a document group 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 sender)	329	AN	4/9

## **BX Segment: General Shipment Information**

Indicates the purpose, payment method, carrier, and other information that applies to this transaction.

*BX\*00\*R\*PP\*\*CN\*L\*B*

<u>Element Seq</u>	<u>Element Name</u>	<u>Data Element</u>	<u>Data Type</u>	<u>Characters Min/Max</u>
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)	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 (B = Bill of Lading for Individual Shipment)	147	ID	1/1

## **BNX Segment: Rail Shipment Information**

Identifies the weight requirements and the type of shipment.

*BNX\*G\*\*S*

<u>Element Seq</u>	<u>Element Name</u>	<u>Data Element</u>	<u>Data Type</u>	<u>Characters Min/Max</u>
BNX01	Shipment Weight Code (S = Shipper's Weight)	460	ID	1/1
BNX03	Billing Code (S = Single Shipment Billing)	11	ID	1/1

## **M3 Segment: Release**

Indicates whether shipment is to be released for movement when the transmission is received or will be released through other means.

*M3\*R\*20000207\*0728*

<u>Element Seq</u>	<u>Element Name</u>	<u>Data Element</u>	<u>Data Type</u>	<u>Characters Min/Max</u>
M301	Release Code (R=Release with Shipment Information) (B=Billing only)	132	ID	1/1
M302	Release Date (CCYYMMDD)	373	DT	8/8
M303	Release Time	337	TM	4/6



(HHMM, 24 hour clock 0000-2359)

M304 Time Zone Code 623 ID 2/2  
*Only required if the M303 time is not local time at place of release*

### 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, and can be used for shipment tracking.

*N9\*BM\*495033230\*\*20000207\*0728*

*N9\*IX\*1234A*

Element Seq	Element Name	Data Element	Data Type	Characters Min/Max
N901	Reference Number Qualifier	128	ID	2/2
	(BM = Bill of Lading number)			
	(PO = Purchase order number)			
	(IX = Internal Product ID)			
	(Other codes are available if required)			
N902	Reference Number	127	AN	1/30
	(Max 15 characters if M301 = BM)			
N904	Date	373	DT	8/8
N905	Time	337	TM	4/6
N906	Time Zone	623	ID	2/2

*Note: N904/N905 are required for Bill of Lading # (N901="BM") and should represent the internal date and time the document was created. If it is not local time at origin, the N906 Time Zone must be included.*

### N7 Segment: Equipment Details

To provide information about which equipment the shipment was loaded.

*N7\*CN\*123456\*213360\*N\*\*\*\*\*RR*

Element Seq	Element Name	Data Element	Data Type	Characters Min/Max
N701	Equipment Initial	206	AN	1/4
N702	Equipment Number	207	AN	1/10
N703	Weight	81	R	1/8
N704	Weight Qualifier	187	ID	1/2
	(E = Estimated Weight)			
	(N = Actual Net Weight)			
N711	Equipment Description Code	40	ID	2/2
	(RR = Railcar}			

### **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.

*F9\*\*CHICAGO\*IL*

Data Seq	Element Name	Data Element	Data Type	Characters Min/Max
F902	Origin Station	101	AN	2/19
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.

D9\*\*SIDNEY\*MT

Element Seq	Element Name	Data Element	Data Type	Characters Min/Max
D902	Destination Station	300	AN	2/19
D903	State Or Province Code	156	ID	2/2

### N1 Segment: Party Name

Identifies the company(s) participating in the shipment. Associated to the N3 and N4 segments to provide complete address information. N1, N3 and N4 segments are repeated for the Consignee and any other party to the shipment.

#### SHIPPER OF HAZARDOUS SHIPPER INC:

N1\*SH\*HAZARDOUS SHIPPER INC

N3\*123 ROAD

N4\*CHICAGO\*IL\*60606

#### CONSIGNEE OF HAZARDOUS RECEIVER CO:

N1\*CN\*HAZARDOUS RECEIVER CO

N3\*12 SMITH STREET

N4\*SIDNEY\*MT\*45000

Element Seq	Element Name	Data Element	Data Type	Characters Min/Max
N101	Entity Identifier Code (CN = Consignee) (SH = Shipper) (C1 = Care of Party) (N1 = Notify Party) (PF = Payer of Freight Charges)	98	ID	2/2
N102	Name	93	AN	1/27
N103	Entity Qualifier (C5 = Customer Information File (DUNS #))	66	ID	1/2
N104	Identification Code	67	AN	9/9

### N3 Segment: Address

Specifies the street Address of the party named in the N1 segment.

SEE EXAMPLE UNDER N1.

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

Specifies the Address City particulars of the party named in the N1 segment.

SEE EXAMPLE UNDER N1.

Element Seq	Element Name	Data Element	Data Type	Characters Min/Max
N401	City Name	19	AN	2/19
N402	State Or Province Code	156	ID	2/2
N403	Postal Code	116	ID	3/9

### PER Segment: Communications Contact

Specifies the contact particulars of the party named in the N1 segment.

SEE EXAMPLE UNDER N1.

Element Seq	Element Name	Data Element	Data Type	Characters Min/Max
PER01	Contact Function Code	366	ID	2/2
	AS - Authorized Signature			
	BC - Broker Contact			
	DC - Delivery Contact			
	EC - Emergency Contact-Shipper			
	ED – Emergency Contact - Receiver			
	FC - Forwarder Contact			
	IC - Information Contact			
	NT - Notification Contact			
	SH - Shipper Contact			
PER02	Contact Name	93	AN	1/60
PER03	Communication Number Qualifier	365	ID	2/2
	EA – Email ID (in the format <i>addressee @ domain name&lt;dot&gt;domain name extension</i> )			
	FX – FAX number			
	TE – Telephone Number (just numbers, excluding access code – e.g.3125551212)			
PER04	Communication Number	364	AN	1/256
PER05	Communication Number Qualifier	365	ID	2/2
	See values under PER02			
PER06	Communication Number	364	AN	1/256
PER07	Communication Number Qualifier	365	ID	2/2
	See values under PER02			
PER08	Communication Number	364	AN	1/256

*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 (EA)*

*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's *Get Route and Miles* tool can provide route information for your shipments (ie: Railroads and junctions).

*R2\*CN\*S\*CHGO\*\*\*R*  
*R2\*UP\*1*

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
R203	Junction City (Rule 260 abbreviation) <i>Use CN's Get Route and Miles tool for optimal routes</i>	19	AN	3/5
R206	Transportation Method/Type Code (R = Rail)	91	ID	1/2

## H3 Segment: Special Handling Instructions

Allows inclusion of special handling code.

*H3\*NP*

Element Seq	Element Name	Data Element	Data Type	Characters Min/Max
H301	Special Handling Code (NP = Do Not Pool)	140	ID	2/4

## LX Segment: Assigned Number

Identifies the start of an EDI loop structure

LX\*1

Element Seq	Element Name	Data Element	Data Type	Characters Min/Max
LX01	Assigned Number	554	N0	1/6

(Number assigned for differentiation within a transaction set)

### L5 Segment: Commodity Description.

Provides the 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\*ISOBUTANE\*4905753\*T

Element Seq	Element Name	Data Element	Data Type	Characters Min/Max
L501	Line Number	213	N0	1/3
L502	Commodity Description	79	AN	1/50
L503	Commodity Code	22	AN	1/16

(7 digit Standard Transportation Commodity Code (STCC))

Contact your Account Manager, or use CN's **Get Price** or **Shipping Instructions** to look up STCC

L504	Commodity Code Qualifier	23	ID	1/1
------	--------------------------	----	----	-----

(T = Standard Transportation Commodity Code (STCC))

### L0 Segment: Line Item, Quantity and Weight

Provides the shipment quantity and weight.

L0\*1\*\*\*213360\*N\*12000\*G\*1\*TKR

Element Seq	Element Name	Data Element	Data Type	Characters Min/Max
L001	Lading Line Item Number	213	N0	1/3
L004	Weight	81	R	1/8
L005	Weight Qualifier	187	ID	1/2

(E = Estimated Weight)

L006	Volume	183	R	1/8
L007	Volume Qualifier	184	ID	1/1

(G = Gallons)  
(V = Litres)

L008	Lading Quantity	80	N0	1/7
L009	Packaging Form Code	211	ID	3/3

(TKR = Tank Car)

L011	Weight Unit Code	188	ID	1/1
------	------------------	-----	----	-----

(L = Pounds)  
(K = Kilograms)

## PI Segment: Price Authority

Identifies the price agreement selected by the customer.

*LS\*CT\*123456\*\*\*CN*

Element Seq	Element Name	Data Element	Data Type	Characters Min/Max
PI01	Agreement Type (CT = Contract) (TS = Tariff)	128	ID	¼
PI02	Agreement Number <i>The numeric portion of the agreement number</i>	127	AN	6/6
PI06	Issuing Carrier (CN = Canadian National Railway Co)	965	ID	2/4

## LS Segment: Loop Header

Identifies the start of the Hazmat documentation loop.

*LS\*LH1*

Element Seq	Element Name	Data Element	Data Type	Characters Min/Max
LS01	Loop Identifier Code AN		1/4	447

## LH1 Segment: Hazardous Identification Information

*LH1\*TK\*1\*UN1075\*\*4905753*

Element Seq	Element Name	Data Element	Data Type	Characters Min/Max
LH101	Unit or Basis For Measurement Code (TK = Tank) (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 (7 digit Standard Transportation Commodity Code (STCC))	22	AN	1/16
LH106	Unit or Basis for Measurement Code (LB = Pound) (KG = kilogram)	355	ID	2/2
LH107	Quantity	380	R	1/15
LH110	Packing Group Code	254	ID	1/3

## LH2 Segment: Hazardous Classification Information

Provides classification information.

*LH2\*2.1\*P*

Element Seq	Element Name	Data Element	Data Type	Characters Min/Max
LH201	Hazardous Classification	215	ID	2/30
LH202	Hazardous Class Qualifier (P=Primary)	983	ID	1/1
LH203	Hazardous Placard Notation	218	ID	14/40
LH204	Hazardous Endorsement	222	ID	4/25
LH205	Reportable Quantity Code	759	ID	2/2

## LH3 Segment: Hazardous Material Shipping Name

Provides the Proper Shipping Name as required by the CFR49 or TDG regulations, and the regulations under which the shipment is being made

*LH3\*SODIUM CHLORATE\*C*

Element Seq	Element Name	Data Element	Data Type	Characters Min/Max
LH301	Hazardous Material Shipping Name	224	AN	1/25
LH302	Hazardous Material Shipping Name Qualifier	984	ID	1/1

C = Canadian Shipping Name  
D = USA Shipping Name  
I = International Shipping Name

## LFH Segment: Additional Information

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

*LFH\*ADI\*COLORED PRODUCT*

Element Seq	Element Name	Data Element	Data Type	Characters Min/Max
LFH01	Hazardous Material Information Qualifier	808	ID	3/3
LFH02	Hazardous Material Shipment Information	809	AN	1/25
LFH03	Hazardous Material Shipment Information	809	AN	1/25
LFH04	Hazard Zone Code	1023	ID	1/1
LFH05	Units or Basis of Measurement	355	ID	2/2
LFH06	Quantity	380	R	1/15
LFH07	Quantity	380	R	1/15

LFH



## LH6 Segment: Shipper's Certification

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

*LH6\*JOHN SHIPMAN*

Element Seq	Element Name	Data Element	Data Type	Characters Min/Max
LH601	Name	93	AN	1/60

## PER Segment: Hazardous Communications Contact

Provides contact information as required by regulations

*PER\*HM\*JOHN SHIPMAN\*TE\*1231231234*

Element Seq	Element Name	Data Element	Data Type	Characters Min/Max
PER01	Contact Function Code  (CN=Canadian Hazardous Material Contact Qualifier) (HM=USA Hazardous Material Contact Qualifier)	366	ID	2/2
PER03	Communication Number Qualifier  (TE=Telephone)	365	ID	2/2
PER04	Communication Number  <i>Number, without formatting, for the type of contact in PER03</i>	364	AN	1/25

## LE Segments: Loop Trailer

Closes the LS/LH1 loop

*LE\*LH1*

Element Seq	Element Name	Data Element	Data Type	Characters Min/Max
LE01	Loop Identifier Code	447	AN	1/4

## SE Segment: Transaction Set Trailer

Indicates the end of the document, and provides the segment count for data integrity.

*SE\*0021\*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

Indicates the end of the group and provides a group count

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	28	N0	1/9

(Repeated from GS segment GS06)

### IEA Segment: Interchange Control Trailer

Indicates the end of the transmission data.

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	I12	N0	9/9

(Same number as ISA13)

## Shipments from US to Canada

This section describes the specific extra requirements for shipments destined to Canada.

### **Shipment Description**

This is a shipment of 12000 gallons of Isobutane from Chicago IL to Edmonton AB Shipped by *Hazmat Shipper* to *Hazmat Receiver*. (Isobutane is not a PIH/TIH product, and carries the same regulation in the US and Canada)

### **Example EDI**

This example is the same as the US domestic one with EDI in Red, normal text being the new requirements. Other data may have changed, but their purpose is the same as already described.

ISA\*00\* \*00\* \*ZZ\*GENERIC \*02\*CN  
 \*020725\*1454\*U\*00405\*000054913\*0\*P\*^  
 GS\*SR\*HAZARDOUSSHIPPER\*CN\*20000207\*0728\*0092\*X\*004050  
 ST\*404\*00920001  
 BX\*00\*R\*PP\*\*CN\*L\*B  
 BNX\*S\*\*S  
 M3\*R\*20000207\*0728  
 N9\*BM\*495033230\*\*20000207\*0728  
 N9\*IX\*1234A  
 N9\*ITN\*20020421123456  
 N9\*HS\*271111  
 N7\*CN\*123456\*213360\*N\*\*\*\*\*RR  
 F9\*\*CHICAGO\*IL  
 D9\*\*EDMONTON\*AB  
 N1\*SH\*HAZARDOUS SHIPPER INC  
 N3\*123 ROAD  
 N4\*CHICAGO\*IL\*60606  
 PER\*IC\*MY NAME\*TE\*1231231234\*EM\*MY.NAME@HAZINC.COM  
 N1\*CN\*HAZARDOUS RECEIVER CO  
 N3\*12 SMITH STREET  
 N4\*EDMONTON\*AB\*T2P4H8  
 N1\*XQ\*CANADIAN BROKER CO  
 N3\*12 NORTH STREET  
 N4\*FT FRANCIS\*MB\*R2T1U4  
 R2\*CN\*S  
 LX\*1  
 L5\*1\*ISOBUTANE\*4905753\*T  
 L0\*1\*\*\*213360\*N\*12000\*G\*1\*TKR\*\*L  
 X1\*\*\*\*\*US\*\*I\*12000\*24000\*\*GA\*2.00  
 LS\*LH1  
 LH1\*TK\*1\*UN1075\*\*4905753  
 LH2\*2.1\*P  
 LH3\*ISOBUTANE\*D  
 LH4\*1-2345-678\*18001234567  
 LH6\*JOHN SHIPMAN  
 LE\*LH1  
 PER\*HM\*JOHN SHIPMAN\*TE\*1231231234  
 PER\*CN\*JOHN SHIPMAN\*TE\*9876541212  
 SE\*26\*00920001  
 GE\*1\*0092  
 IEA\*1\*000054913

## **Reciprocity of documentation**

In general, regulated commodities in the US are also regulated in Canada and vice versa. Most of these commodities can ship under the documentation requirements of the origin country. There are, however exceptions. As a shipper you are responsible for ensuring that your shipment is documented under the requirements of CFR49 (US regulations) and Transportation of Dangerous Goods (TDG) regulations (Canada).

Notable exceptions are Asphalt (regulated in US), Poison Inhalation Hazard (requires Canadian documentation), Waste products, and Emergency Response Plan information.

CN has an expert team who can help you if you have specific questions about how to document your shipment.

## **Additional items required for regulated shipments**

1. All telephone numbers must be available in Canada, or a Canadian number must be provided
2. Emergency Response Plan numbers and activation phone numbers (valid in Canadian locations)

## **Customs Disclosure**

Because this is an international shipment, two requirements need to be met:

1. US export requirements
2. Canadian Import requirements

### **US Export Requirements**

All export shipments from the US must have one of the following three numbers:

- Automated Export System (AES) Internal Transaction Number (ITN)
- AES Export Information Code Exemption Number
- AES Post Departure Filer number

### **Canadian Import Requirements**

All imported shipments into Canada must have:

- Canadian Broker, who will clear the shipment
- Country of Origin
- Product Harmonized Code

### **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, and can be used for shipment tracking.

*N9\*ITN\*X20020421123456*

Element Seq	Element Name	Data Element	Data Type	Characters Min/Max
N901	Reference Number Qualifier  (ITN = Internal Transaction Number) (PDF = Post Departure Filer number) (CEN = Export Information Code Exemption Number) (HS = Harmonized System code (6 mandatory))	128	ID	2/2
N902	Reference Number  (Max 15 characters if M301 = BM)	127	AN	1/30

### **X1 Segment: Export License**

Describes the contents and value of the shipment for customs purposes.

X1\*\*\*\*\*US\*\*I\*12000\*24000\*\*GA\*2.00

Element Seq	Element Name	Data Element	Data Type	Characters Min/Max
X107	Country of Origin (US = United States of America)	26	ID	2/3
X109	Import/Export Code (I = International)	210	ID	1/1
X110	Lading Quantity	80	N0	1/7
X111	Shipment Value	602	AN	2/8
X113	Unit or basis of measurement Code (LB = Pounds) (KG = kilograms) (GA = Gallons) (LT = litre)	355	ID	2/2
X114	Unit Price	212	R	1/17

### N1 Segment: Party Name

Identifies the company(s) participating in the shipment. Associated to the N3 and N4 segments to provide complete address information. N1, N3 and N4 segments are repeated for the Consignee and any other party to the shipment.

**CANDAIAN CUSTOMS BROKER: CANADIAN BROKER CO. :**

N1\*XQ\*CANADIAN BROKER CO  
N3\*12 NORTH STREET  
N4\*FT FRANCIS\*MB\*R2T1U4

Element Seq	Element Name	Data Element	Data Type	Characters Min/Max
N101	Entity Identifier Code (XQ = Canadian Customs Broker) (XU = US Customs Broker) (XR = Mexican Customs Broker)	98	ID	2/2
N102	Name	93	AN	1/27
N103	Entity Qualifier (C5 = Customer Information File (DUNS #))	66	ID	1/2
N104	Identification Code	67	AN	9/9

### N3 Segment: Address

Specifies the street Address of the party named in the N1 segment.

*SEE EXAMPLE UNDER N1.*

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**

Specifies the Address City particulars of the party named in the N1 segment.

*SEE EXAMPLE UNDER N1.*

Element Seq	Element Name	Data Element	Data Type	Characters Min/Max
N401	City Name	19	AN	2/19
N402	State Or Province Code	156	ID	2/2
N403	Postal Code	116	ID	

#### **LH4 Segment: Canadian Dangerous Requirements**

Provides additional information as required by the Transport of Dangerous Goods (TDG) legislation in Canada..

LH4\*1-2345-678\*18001234567

Element Seq	Element Name	Data Element	Data Type	Characters Min/Max
LH401	Emergency Response Plan (ERP) Number	238	AN	1/12
LH402	Communication number	364	AN	1/256
	<i>Specify the contact number, without formatting, to activate the ERP specified in LH401. Must be valid when dialed from Canadian locales.</i>			
LH403	Packing Group Code	254	ID	1/3
LH\$04	Subsidiary Classification	230	ID	1/3
LH\$05	Subsidiary Classification	230	ID	1/3
LH\$06	Subsidiary Classification	230	ID	1/3
LH407	Subsidiary Risk Indicator	271	ID	½
LH408	Net Explosive Quantity	267	N0	1/10
LH409	Canadian Hazard Notification	805	AN	1/25
LH410	Special Commodity Indicator	986	ID	1/1
LH411	Communication number	364	AN	1/256
LH412	Unit or basis of measurement	355	ID	2/2

#### **PER Segment: Hazardous Communications Contact**

Provides contact information as required by regulations

*PER\*CN\*JOHN SHIPMAN\*TE\*9876541212*

<u>Element Seq</u>	<u>Element Name</u>	<u>Data Element</u>	<u>Data Type</u>	<u>Characters Min/Max</u>
PER01	Contact Function Code (CN=Canadian Hazardous Material Contact Qualifier) (HM=USA Hazardous Material Contact Qualifier)	366	ID	2/2
PER03	Communication Number Qualifier (TE=Telephone)	365	ID	2/2
PER04	Communication Number <i>Number, without formatting, for the type of contact in PER03</i>	364	AN	1/25