CSX EDI 418
Rail Advance
Interchange Consist

X12/V5030/418: 418 Rail Advance Interchange Consist

Version: 005030 RAIL

Questions about the CSX EDI 418 Implementation Guide should be directed to:

877-SHIPCSX option 2, prompt 1
Monday – Friday: 7:00 AM – 6:00 PM

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418   Rail Advance Interchange Consist

Functional Group=IC

Purpose: This X12 Transaction Set contains the format and establishes the data contents of the Rail Advance Interchange Consist Transaction Set (418) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to transmit advance information on equipment being interchanged to a connection rail carrier, from a consignor or to a consignee.

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	ST	Transaction Set Header	M	1			Must use
0200	BAX	Beginning Segment for Advance Consist and Transportation Automatic Equipment ID	M	1		N1/0200	Must use
LOOP ID - NM1			**-**	**-**	**999**	**-**	**-**
0210	NM1	Individual or Organizational Name	O	1			Used
0220	DMG	Demographic Information	O	1			Used
0230	DMA	Additional Demographic Information	O	1			Used
0240	REF	Reference Information	O	2			Used
0250	N3	Party Location	O	2			Used
0260	N4	Geographic Location	O	1			Used
LOOP ID - W1			**-**	**-**	**30**	**-**	**-**
0300	W1	Block Identification	M	1			Must use
LOOP ID - W2			**-**	**-**	**800**	**-**	**-**
0400	W2	Equipment Identification	M	1			Must use
0500	W3	Consignee Information	O	7		N1/0500	Used
0600	IMA	Interchange Move Authority	O	3			Used
0700	W4	Consignor Information	O	1			Used
0800	W5	Carrier and Route Information	O	4			Used
0900	W6	Special Handling Information	O	6			Used
1000	PS	Protective Service Instructions	O	5			Used
1100	REF	Reference Information	O	10			Used
LOOP ID - LS			**-**	**-**	**1**	**-**	**-**
1200	LS	Loop Header	O	1			Used
LOOP ID - LH1			**-**	**-**	**1000**	**-**	**-**
1300	LH1	Hazardous Identification Information	O	1			Used
1400	LH2	Hazardous Classification Information	O	4		N1/1400	Used
1500	LH3	Hazardous Material Shipping Name Information	O	10			Used
1600	LFH	Free-form Hazardous Material Information	O	20			Used
1700	LEP	EPA Required Data	O	3			Used
1800	LH4	Canadian Dangerous Requirements	O	4			Used
1900	LHT	Transborder Hazardous	O	3			Used

		Requirements					
2000	LHR	Hazardous Material Identifying Reference Numbers	O	5			Used
2050	PER	Administrative Communications Contact	O	5			Used
LOOP ID - N1			-	-	**10**	-	-
2060	N1	Party Identification	O	1			Used
2070	N3	Party Location	O	2			Used
2080	N4	Geographic Location	O	1			Used
2090	PER	Administrative Communications Contact	O	2			Used
2100	LE	Loop Trailer	M	1			Used
2200	PER	Administrative Communications Contact	O	5			Used
2300	LH2	Hazardous Classification Information	O	1		N1/2300	Used
2400	LHR	Hazardous Material Identifying Reference Numbers	O	1			Used
2500	SE	Transaction Set Trailer	M	1			Must use

Notes:

1/0200   BAX01 is the to location Standard Point Location Code (SPLC).
         If BAX02 = "T" (Train Consist), then BAX06 must not be blank.

1/0500   Required when routing extends to carriers beyond the receiving
         carrier or when the consist type (BAX02) is an ''S'' indicating an
         intermediate switch carrier consist

1/1400   If the hazardous endorsement (LH204) is "NONE", then use of LH204 is mandatory. However, the receiver
         must consider it to be blanks when printing a paper document.

1/2300   If the hazardous endorsement (LH204) is "NONE", then use of LH204 is mandatory. However, the receiver
         must consider it to be blanks when printing a paper document.

ST   Transaction Set Header

Pos: 0100   Max: 1
Heading - Mandatory
Loop: N/A   Elements: 2

User Option (Usage): Must use
Purpose: To indicate the start of a transaction set and to assign a control number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Must use

Description: Code uniquely identifying a Transaction Set

Code	Name
418	Rail Advance Interchange Consist

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Semantics:

1. The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

BAX   Beginning Segment for Advance Consist and Transportation Automatic Equipment ID

Pos: 0200   Max: 1
Heading - Mandatory
Loop: N/A   Elements: 9

User Option (Usage): Must use
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAX01	154	**Standard Point Location Code**	M	ID	6/9	Must use

Description: Code (Standard Point Location) defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAX02	579	**Type of Consist Code**	M	ID	1/1	Must use

Description: Code indicating the type of consist

Code	Name
A	Advance Automatic Equipment Identification (AEI) Consist
B	Bad Order
D	Detour
J	Joint Track
L	Information Only Advanced Consist
P	Passing
R	Release from Bad Order
S	Switch
T	Train (Normal Advanced)
Y	Actual Interchange

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAX03	374	**Date/Time Qualifier**	M	ID	3/3	Must use

Description: Code specifying type of date or time, or both date and time

Code	Name
139	Estimated
140	Actual

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAX04	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAX05	337	**Time**	M	TM	4/8	Must use

Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAX06	41	**Interchange Train Identification**	O	AN	1/10	Used

Description: Train identification (free-form)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAX07	154	**Standard Point Location Code**	O	ID	6/9	Used

Description: Code (Standard Point Location) defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development

group as the official code assigned to a city or point (for ratemaking purposes) within a city

| BAX08 | 127 | **Reference Identification** | O | AN | 1/80 | Used |

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

| BAX14 | 284 | **Service Level Code** | O | ID | 2/2 | Used |

Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier

Code	**Name**
01	Bulk Commodity Train
R3	Other Intermodal and Stack Service
R5	Manifest Freight

Syntax Rules:

1. C1110 - If BAX11 is present, then BAX10 is required.
2. C1211 - If BAX12 is present, then BAX11 is required.

Semantics:

1. BAX08 is the Reader Identification Number.
2. BAX10 is the date the last piece of equipment passed the reader.
3. BAX11 is the time the last piece of equipment passed the reader.

Loop Individual or Organizational Name

Pos: 0210	**Repeat: 999**
Optional	
Loop: NM1	**Elements: N/A**

User Option (Usage): Used
Purpose: To supply the full name of an individual or organizational entity

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0210	NM1	Individual or Organizational Name	O	1		Used
0220	DMG	Demographic Information	O	1		Used
0230	DMA	Additional Demographic Information	O	1		Used
0240	REF	Reference Information	O	2		Used
0250	N3	Party Location	O	2		Used
0260	N4	Geographic Location	O	1		Used

NM1 Individual or Organizational Name

Pos: 0210	**Max: 1**
Heading - Optional	
Loop: NM1	**Elements: 12**

User Option (Usage): Used
Purpose: To supply the full name of an individual or organizational entity

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NM101	98	**Entity Identifier Code**	M	ID	2/3	Must use

Description: Code identifying an organizational entity, a physical location, property or an individual
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NM102	1065	**Entity Type Qualifier**	M	ID	1/1	Must use

Description: Code qualifying the type of entity
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NM103	1035	**Name Last or Organization Name**	X	AN	1/60	Used

Description: Individual last name or organizational name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NM104	1036	**Name First**	O	AN	1/35	Used

Description: Individual first name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NM105	1037	**Name Middle**	O	AN	1/25	Used

Description: Individual middle name or initial

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NM106	1038	**Name Prefix**	O	AN	1/10	Used

Description: Prefix to individual name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NM107	1039	**Name Suffix**	O	AN	1/10	Used

Description: Suffix to individual name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NM108	66	**Identification Code Qualifier**	X	ID	1/2	Used

Description: Code designating the system/method of code structure used for Identification Code (67)
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NM109	67	**Identification Code**	X	AN	2/80	Used

Description: Code identifying a party or other code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NM110	706	**Entity Relationship Code**	X	ID	2/2	Used

Description: Code describing entity relationship
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NM111	98	**Entity Identifier Code**	O	ID	2/3	Used

Description: Code identifying an organizational entity, a physical location, property or an individual
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NM112	1035	**Name Last or Organization Name**	O	AN	1/60	Used

Description: Individual last name or organizational name

Syntax Rules:

1. P0809 - If either NM108 or NM109 is present, then the other is required.
2. C1110 - If NM111 is present, then NM110 is required.
3. C1203 - If NM112 is present, then NM103 is required.

Semantics:

1. NM102 qualifies NM103.

Comments:

1. NM110 and NM111 further define the type of entity in NM101.
2. NM112 can identify a second surname.

DMG   Demographic Information

User Option (Usage): Used
Purpose: To supply demographic information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DMG01	1250	**Date Time Period Format Qualifier**	X	ID	2/3	Used

Description: Code indicating the date format, time format, or date and time format
All valid standard codes are used.

DMG02	1251	**Date Time Period**	X	AN	1/35	Used

Description: Expression of a date, a time, or range of dates, times or dates and times

DMG03	1068	**Gender Code**	O	ID	1/1	Used

Description: Code indicating the sex of the individual
All valid standard codes are used.

DMG04	1067	**Marital Status Code**	O	ID	1/1	Used

Description: Code defining the marital status of a person
All valid standard codes are used.

DMG05	C056	**Composite Race or Ethnicity Information**	X	Comp		Used

Description: To send general and detailed information on race or ethnicity

DMG05-01	1109	**Race or Ethnicity Code**	O	ID	1/1	Used

Description: Code indicating the racial or ethnic background of a person; it is normally self-reported; Under certain circumstances this information is collected for United States Government statistical purposes
All valid standard codes are used.

DMG05-02	1270	**Code List Qualifier Code**	X	ID	1/3	Used

Description: Code identifying a specific industry code list
All valid standard codes are used.

DMG05-03	1271	**Industry Code**	X	AN	1/30	Used

Description: Code indicating a code from a specific industry code list

DMG06	1066	**Citizenship Status Code**	O	ID	1/2	Used

Description: Code indicating citizenship status
All valid standard codes are used.

DMG07	26	**Country Code**	O	ID	2/3	Used

Description: Code identifying the country

DMG08	659	**Basis of Verification Code**	O	ID	1/2	Used

Description: Code indicating the basis of verification
All valid standard codes are used.

DMG09	380	**Quantity**	O	R	1/15	Used

Description: Numeric value of quantity

DMG10	1270	**Code List Qualifier Code**	X	ID	1/3	Used

Description: Code identifying a specific industry code list
All valid standard codes are used.

| DMG11 | 1271 | **Industry Code** | X | AN | 1/30 | Used |

Description: Code indicating a code from a specific industry code list

Syntax Rules:

1. P0102 - If either DMG01 or DMG02 is present, then the other is required.
2. P1011 - If either DMG10 or DMG11 is present, then the other is required.
3. C1105 - If DMG11 is present, then DMG05 is required.

Semantics:

1. DMG02 is the date of birth.
2. DMG07 is the country of citizenship.
3. DMG09 is the age in years.
4. DMG11 is used to specify how the information in DMG05, including repeats of C056, was collected.

DMA   Additional Demographic Information

Pos: 0230	**Max: 1**
Heading - Optional	
Loop: NM1	**Elements: 18**

User Option (Usage): Used
Purpose: To supply additional demographic identification

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DMA01	127	**Reference Identification**	O	AN	1/80	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

DMA02	156	**State or Province Code**	O	ID	2/2	Used

Description: Code (Standard State/Province) as defined by appropriate government agency

DMA03	127	**Reference Identification**	X	AN	1/80	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

DMA04	156	**State or Province Code**	X	ID	2/2	Used

Description: Code (Standard State/Province) as defined by appropriate government agency

DMA05	1268	**Applicant Type Code**	O	ID	1/1	Used

Description: Code indicating the type of applicant
All valid standard codes are used.

DMA06	83	**Code For Licensing, Certification, Registration, or Accreditation Agency**	X	ID	1/2	Used

Description: Code identifying a licensing, certification, registration, or accreditation agency.
All valid standard codes are used.

DMA07	26	**Country Code**	X	ID	2/3	Used

Description: Code identifying the country

DMA08	819	**Language Code**	O	ID	2/3	Used

Description: Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)

DMA09	546	**Status Code**	O	ID	2/2	Used

Description: Code identifying the status of a business transaction, such as a claim, policy, real estate, or securities transaction
All valid standard codes are used.

DMA10	19	**City Name**	O	AN	2/30	Used

Description: Free-form text for city name

DMA11	397	**Color**	O	AN	1/10	Used

Description: Free-form description of color

DMA12	397	**Color**	O	AN	1/10	Used

Description: Free-form description of color

DMA13	90	**Measurement Unit Qualifier**	X	ID	1/1	Used

Description: Code specifying the linear dimensional unit
All valid standard codes are used.

DMA14	65	**Height**	X	R	1/8	Used

Description: Vertical dimension of an object measured when the object is in the upright position

DMA15	188	**Weight Unit Code**	X	ID	1/1	Used

Description: Code specifying the weight unit
All valid standard codes are used.

DMA16	81	**Weight**	X	R	1/10	Used

Description: Numeric value of weight

DMA17	352	**Description**	O	AN	1/80	Used

Description: A free-form description to clarify the related data elements and their content

DMA18	26	**Country Code**	O	ID	2/3	Used

Description: Code identifying the country

Syntax Rules:

1. P0304 - If either DMA03 or DMA04 is present, then the other is required.
2. P0607 - If either DMA06 or DMA07 is present, then the other is required.
3. C0807 - If DMA08 is present, then DMA07 is required.
4. C0903 - If DMA09 is present, then DMA03 is required.
5. P1314 - If either DMA13 or DMA14 is present, then the other is required.
6. P1516 - If either DMA15 or DMA16 is present, then the other is required.

Semantics:

1. DMA01 defines an alien registration number.
2. DMA02 defines the place of birth.
3. DMA03 defines the driver's license number.
4. DMA04 defines the driver's license state of issue.
5. DMA09 describes the status of the driver's license referenced in DMA03.
6. DMA10 is the City of birth.
7. DMA11 is eye color.
8. DMA12 is hair color.
9. DMA14 is body height.
10. DMA16 is body weight.
11. DMA17 is used to describe marks on body.
12. DMA18 is the country of birth.

REF   Reference Information

User Option (Usage): Used
Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/80	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF03	352	**Description**	X	AN	1/80	Used

Description: A free-form description to clarify the related data elements and their content

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF04	C040	**Reference Identifier**	O	Comp		Used

Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF04-01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF04-02	127	**Reference Identification**	M	AN	1/80	Must use

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF04-03	128	**Reference Identification Qualifier**	X	ID	2/3	Used

Description: Code qualifying the Reference Identification
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF04-04	127	**Reference Identification**	X	AN	1/80	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF04-05	128	**Reference Identification Qualifier**	X	ID	2/3	Used

Description: Code qualifying the Reference Identification
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF04-06	127	**Reference Identification**	X	AN	1/80	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

N3   Party Location

	Pos: 0250 Max: 2
Heading - Optional
Loop: NM1   Elements: 2

User Option (Usage): Used
Purpose: To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information**	M	AN	1/55	Must use
		Description: Address information				
N302	166	**Address Information**	O	AN	1/55	Used
		Description: Address information				

N4   Geographic Location

Pos: 0260	**Max: 1**
Heading - Optional	
Loop: NM1	**Elements: 7**

User Option (Usage): Used
Purpose: To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	**State or Province Code**	X	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	**Postal Code**	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	**Country Code**	X	ID	2/3	Used
		Description: Code identifying the country				
N405	309	**Location Qualifier**	X	ID	1/2	Used
		Description: Code identifying type of location **All valid standard codes are used.**				
N406	310	**Location Identifier**	O	AN	1/30	Used
		Description: Code which identifies a specific location				
N407	1715	**Country Subdivision Code**	X	ID	1/3	Used
		Description: Code identifying the country subdivision				

Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. C0605 - If N406 is present, then N405 is required.
3. C0704 - If N407 is present, then N404 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

Loop Block Identification

Pos: 0300	Repeat: 30
Mandatory	
Loop: W1	**Elements: N/A**

User Option (Usage): Must use
Purpose: To identify the block identification of a specific cut of cars relating to this interchange report

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0300	W1	Block Identification	M	1		Must use
0400		Loop W2	M		800	Must use

W1   Block Identification

Pos: 0300	Max: 1
Heading - Mandatory	
Loop: W1	**Elements: 1**

User Option (Usage): Must use
Purpose: To identify the block identification of a specific cut of cars relating to this interchange report

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W101	42	**Block Identifier**	M	AN	1/12	Must use

        Description: Identifier for a block of cars

Loop Equipment Identification

Pos: 0400	**Repeat: 800**
Mandatory	
Loop: W2	**Elements: N/A**

User Option (Usage): Must use
Purpose: To identify equipment and the commodity being carried

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0400	W2	Equipment Identification	M	1		Must use
0500	W3	Consignee Information	O	7		Used
0600	IMA	Interchange Move Authority	O	3		Used
0700	W4	Consignor Information	O	1		Used
0800	W5	Carrier and Route Information	O	4		Used
0900	W6	Special Handling Information	O	6		Used
1000	PS	Protective Service Instructions	O	5		Used
1100	REF	Reference Information	O	10		Used
1200		Loop LS	O		1	Used
2200	PER	Administrative Communications Contact	O	5		Used
2300	LH2	Hazardous Classification Information	O	1		Used
2400	LHR	Hazardous Material Identifying Reference Numbers	O	1		Used

W2   Equipment Identification

<table>
<tr><td>Pos: 0400</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Mandatory</td></tr>
<tr><td>Loop: W2</td><td>Elements: 16</td></tr>
</table>

User Option (Usage): Must use
Purpose: To identify equipment and the commodity being carried

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W201	206	**Equipment Initial**	M	AN	1/4	Must use

Description: Prefix or alphabetic part of an equipment unit's identifying number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W202	207	**Equipment Number**	M	AN	1/6	Must use

Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W203	22	**Commodity Code**	O	AN	1/30	Used

Description: Code describing a commodity or group of commodities

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W204	40	**Equipment Description Code**	M	ID	2/2	Must use

Description: Code identifying type of equipment used for shipment

Code	Name
CA	Caboose
CC	Container resting on a Chassis
CH	Chassis
CM	Container, Open-Sided
CN	Container
CX	Container, Tank
CZ	Refrigerated Container
ET	End of Train Device
GS	Generator Set
HT	Head of Train Device
ID	Idler Car
LO	Locomotive
LS	Half Height Flat Rack
OT	Open-top/flatbed trailer
PL	Container, Platform
PT	Protected Trailer
RR	Rail Car
SK	Stack Car
TL	Trailer (not otherwise specified)
TN	Tank Car

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W205	578	**Equipment Status Code**	M	ID	1/2	Must use

Description: Code indicating status of equipment

Code	Name
D	Deadhead Locomotive or Caboose
E	Empty
L	Load
O	Operating Locomotive or Caboose
W	Revenue Empty
AL	Empty Non-hazardous Last Contained

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W206	577	**Net Tons**	O	N0	1/3	Used

Description: Net weight in tons

W207	177	**Intermodal Service Code**	O	ID	1/2	Used

Description: Code identifying the Intermodal Service Plan

W209	373	**Date**	X	DT	8/8	Used

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

W210	502	**Type of Locomotive Maintenance Code**	X	AN	2/2	Used

Description: Value defining locomotive maintenance schedule

W211	206	**Equipment Initial**	X	AN	1/4	Used

Description: Prefix or alphabetic part of an equipment unit's identifying number

W212	207	**Equipment Number**	X	AN	1/6	Used

Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)

W213	761	**Equipment Number Check Digit**	O	N0	1/1	Used

Description: Number which designates the check digit applied to a piece of equipment

W214	219	**Position**	O	AN	1/3	Used

Description: Relative position of shipment in car, trailer, or container (mutually defined)

W215	301	**Car Type Code**	O	ID	1/4	Used

Description: Code specifying type of rail car or intermodal equipment type and its general characteristics

W217	1554	**Tag Status Code**	O	ID	1/1	Used

Description: Code indicating the status of an Automatic Equipment Identification Tag

Code	Name
G	Good
L	Left Tag Bad
M	Equipment has Two Tags and the Equipment Initial and Number are not the Same
N	No Tag Read
R	Right Tag Bad

W218	1543	**Equipment Orientation Code**	O	ID	1/1	Used

Description: Code indicating the direction the equipment is entrained or the lading is loaded; When used to indicate the lading orientation, direction is defined relative to the equipment on which it is loaded
All valid standard codes are used.

Syntax Rules:
1. P0910 - If either W209 or W210 is present, then the other is required.
2. P1112 - If either W211 or W212 is present, then the other is required.

Semantics:
1. Commodity code (W203) is STCC.
2. W209 is the event date.
3. W212 (when available) is the chassis number if W204 equals "CC".
4. W216 indicates if equipment needs repair. A "Y" indicates equipment needs repair; an "N" indicates equipment does not need repair.

Comments:

1. W208 is to contain the proper code when an empty car is being returned per ex parte 346, sub. 8. If proper code is unknown, default to 34617.
2. W211 (when available) is the chassis initial if W204 equals "CC". If unknown, use NONZ for chassis initial.

W3   Consignee Information

Pos: 0500	**Max: 7**
Heading - Optional	
Loop: W2	**Elements: 6**

User Option (Usage): Used
Purpose: To provide sufficient waybill information for delivery of shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W301	186	**Waybill Number**	X	N0	1/6	Used

Description: Carrier accounting number of the waybill for the inbound movement

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W302	373	**Date**	X	DT	8/8	Used

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W303	576	**Abbreviated Customer Name**	O	AN	2/12	Used

Description: Customer name in abbreviated form

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W304	19	**City Name**	X	AN	2/19	Used

Description: Free-form text for city name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W305	156	**State or Province Code**	X	ID	2/2	Used

Description: Code (Standard State/Province) as defined by appropriate government agency

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W306	575	**City Name Qualifier Code**	O	ID	1/1	Used

Description: Code qualifying city name
All valid standard codes are used.

Syntax Rules:

1. P0102 - If either W301 or W302 is present, then the other is required.
2. P0405 - If either W304 or W305 is present, then the other is required.
3. C0604 - If W306 is present, then W304 is required.

Comments:

1. W302 is the waybill date.

IMA   Interchange Move Authority

Pos: 0600	Max: 3
Heading - Optional	
Loop: W2	Elements: 4

User Option (Usage): Used
Purpose: To identify the transportation interchange authority

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IMA01	748	**Movement Authority Code**	M	ID	1/2	Must use

Description: Code indicating the interchange authority

Code	Name
A	Released From Bad Order
B	Bad Order Setback
C	Car Not Weighed
D	Empty Received as a Load
E	Embargoed Shipment
G	Refused by Customer - Unneeded
I	Interchanged in Error
L	Not in Compliance With Special Car Order 90 or Special Car Order 100 Empty
N	No Record Rights
O	Overweight Shipment
P	Intermediate Switch Carrier
R	Refused by Customer - Unfit
S	Car Applied to Shipper Car Order - Place for Loading
W	No Waybill
X	Association of American Railroads Restriction
DS	Destination Switch Move
HM	Haulage Movement
NC	No Clearance
NU	Not on Universal Machine Language Equipment Register
OA	Old Age (Over-age)
OS	Origin Switch Move
RB	RBOX or RGON Exception

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IMA02	140	**Standard Carrier Alpha Code**	O	ID	2/4	Used

Description: Standard Carrier Alpha Code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IMA03	257	**Tariff Application Code**	O	ID	1/1	Used

Description: Code indicating to which traffic a tariff applies

Code	Name
D	Reciprocal
E	Intraterminal
F	Interterminal

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IMA04	257	**Tariff Application Code**	O	ID	1/1	Used

Description: Code indicating to which traffic a tariff applies

Code	Name
N	Interstate
S	Intrastate

Semantics:

1. IMA02 is the Standard Carrier Alpha Code (SCAC) of entity responsible for the movement authority in the IMA01.
2. IMA03 defines if the associated move is reciprocal, interterminal, or intraterminal.
3. IMA04 defines if the associated move is interstate or intrastate.

W4   Consignor Information

		Pos: 0700 Max: 1
		Heading - Optional
		Loop: W2 Elements: 5

User Option (Usage): Used
Purpose: To provide sufficient information to identify the origin of shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W401	576	**Abbreviated Customer Name**	O	AN	2/12	Used
		Description: Customer name in abbreviated form				
W402	140	**Standard Carrier Alpha Code**	X	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
W403	573	**Freight Station Accounting Code**	X	ID	1/5	Used
		Description: Code (Freight Station Accounting) (AAR Managed Code for Locations)				
W404	19	**City Name**	X	AN	2/19	Used
		Description: Free-form text for city name				
W405	156	**State or Province Code**	X	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				

Syntax Rules:

1. P0203 - If either W402 or W403 is present, then the other is required.
2. R0204 - At least one of W402 or W404 is required.
3. P0405 - If either W404 or W405 is present, then the other is required.

Comments:

1. W404 and W405 are not required if W402 and W403 are supplied.

W5 Carrier and Route Information

Pos: 0800	Max: 4
Heading - Optional	
Loop: W2	Elements: 6

User Option (Usage): Used
Purpose: To specify carrier and routing sequences and details

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W501	140	**Standard Carrier Alpha Code**	M	ID	2/4	Must use
		Description: Standard Carrier Alpha Code				
W502	19	**City Name**	O	AN	2/19	Used
		Description: Free-form text for city name				
W503	140	**Standard Carrier Alpha Code**	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
W504	19	**City Name**	O	AN	2/30	Used
		Description: Free-form text for city name				
W505	140	**Standard Carrier Alpha Code**	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
W506	19	**City Name**	O	AN	2/30	Used
		Description: Free-form text for city name				

Comments:

1. W502, W504, and W506 is the station or city name at which carriers interchange shipments.

W6   Special Handling Information

Pos: 0900	**Max: 6**
Heading - Optional	
Loop: W2	**Elements: 4**

User Option (Usage): Used
Purpose: To provide special handling information that may be necessary for safe handling of shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W601	152	**Special Handling Code**	M	ID	2/3	Must use

Description: Code specifying special transportation handling instructions
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W602	152	**Special Handling Code**	O	ID	2/3	Used

Description: Code specifying special transportation handling instructions
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W603	152	**Special Handling Code**	O	ID	2/3	Used

Description: Code specifying special transportation handling instructions
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W604	152	**Special Handling Code**	O	ID	2/3	Used

Description: Code specifying special transportation handling instructions
All valid standard codes are used.

PS Protective Service Instructions

Pos: 1000		**Max: 5**
	Heading - Optional	
Loop: W2		**Elements: 13**

User Option (Usage): Used
Purpose: To specify mechanical protective service and ventilation instructions

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PS01	746	**Protective Service Rule Code**	M	ID	3/9	Must use

Description: Association of American Railroads (AAR) Protective Service that applies to shipment

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PS02	241	**Protective Service Code**	M	ID	1/4	Must use

Description: Code specifying perishable protective service- rail carriers only

Code	Name
D	Discontinue Service
M	Standard Mechanical Protective Service
MN	Modified Mechanical Protective Service
HDN	Do Not Heat
HSC	Standard Heating In Canada
MNU	Do Not Operate
HDNC	Do Not Heat in Canada

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PS03	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code	Name
CE	Centigrade, Celsius
FA	Fahrenheit

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PS04	408	**Temperature**	X	R	1/4	Used

Description: Temperature

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PS05	140	**Standard Carrier Alpha Code**	O	ID	2/4	Used

Description: Standard Carrier Alpha Code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PS06	573	**Freight Station Accounting Code**	O	ID	1/5	Used

Description: Code (Freight Station Accounting) (AAR Managed Code for Locations)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PS07	19	**City Name**	O	AN	2/19	Used

Description: Free-form text for city name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PS08	156	**State or Province Code**	O	ID	2/2	Used

Description: Code (Standard State/Province) as defined by appropriate government agency

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PS10	745	**Pre-Cooled (Rule 710) Code**	O	ID	1/1	Used

Description: Code indicating whether or not the shipment was precooled per Association of American Railroads Protective Service Rule 710
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PS11	1073	**Yes/No Condition or Response Code**	O	ID	1/1	Used

Description: Code indicating a Yes or No condition or response

Code	Name

		N	No				
		Y	Yes				
PS12	1073	**Yes/No Condition or Response Code**	O	ID	1/1	Used

Description: Code indicating a Yes or No condition or response

<u>Code</u>	<u>Name</u>
N	No
Y	Yes

PS13	1073	**Yes/No Condition or Response Code**	O	ID	1/1	Used

Description: Code indicating a Yes or No condition or response

<u>Code</u>	<u>Name</u>
N	No
Y	Yes

PS14	408	**Temperature**	X	R	1/4	Used

Description: Temperature

Syntax Rules:

1. L030414 - If PS03 is present, then at least one of PS04 or PS14 is required.
2. C0403 - If PS04 is present, then PS03 is required.
3. C1403 - If PS14 is present, then PS03 is required.

Semantics:

1. PS03 qualifies the temperature in PS04 and PS14.
2. PS04 is the optimum allowable temperature condition for shipment.
3. PS11 identifies the location of the heater. A "Y" indicates the heater is ceiling-mounted; an "N" indicates the heater is in the body.
4. PS12 identifies whether or not the commodity is a food product. A "Y" indicates the commodity is a food product; an "N" indicates it is a non-food product.
5. PS13 indicates the amount of doorway space for the full width of the car. A "Y" indicates the doorway space is not less than 30 inches for the full width of the car; an "N" indicates it is less than 30 inches.
6. PS14 is the set temperature at service origin.

Comments:

1. PS05 through PS08 are used to specify the station to which the temperature applies. PS05 and PS06 are preferred over PS07 and PS08.
2. PS09 is the weight of body ice in hundreds.

REF Reference Information

Pos: 1100	Max: 10
Heading - Optional	
Loop: W2	Elements: 3

User Option (Usage): Used
Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code	Name
BC	Buyer's Contract Number
BL	Government Bill of Lading
BM	Bill of Lading Number
BN	Booking Number
CG	Consignee's Order Number
CO	Customer Order Number
CR	Customer Reference Number
CX	Consignment Classification ID
F9	Freight Payor Reference Number
OB	Ocean Bill of Lading
SC	Shipper Car Order Number
SI	Shipper's Identifying Number for Shipment (SID)
VI	Pool Number
ZE	Coal Authority Number
CUB	U.S. Customs Service (USCS) Bill of Lading Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/80	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF03	352	**Description**	X	AN	1/80	Used

Description: A free-form description to clarify the related data elements and their content

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

Loop Loop Header

Pos: 1200	Repeat: 1
Optional	
Loop: LS	Elements: N/A

User Option (Usage): Used
Purpose: To indicate that the next segment begins a loop

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
1200	LS	Loop Header	O	1		Used
1300		Loop LH1	O		1000	Used
2100	LE	Loop Trailer	M	1		Used

LS   Loop Header

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Pos: 1200   **Max: 1**
Heading - Optional
Loop: LS   **Elements: 1**

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User Option (Usage): Used
Purpose: To indicate that the next segment begins a loop

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LS01	447	**Loop Identifier Code**	M	AN	1/4	Must use

     Description: The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE

Semantics:

1. One loop may be nested contained within another loop, provided the inner nested loop terminates before the outer loop. When specified by the standard setting body as mandatory, this segment in combination with "LE", must be used. It is not to be used if not specifically set forth for use. The loop identifier in the loop header and trailer must be identical. The value for the identifier is the loop ID of the required loop segment. The loop ID number is given on the transaction set diagram in the appropriate ASC X12 version/release.

Comments:

1. See Figures Appendix for an explanation of the use of the LS and LE segments.

Loop Hazardous Identification Information

Pos: 1300	Repeat: 1000
Optional	
Loop: LH1	Elements: N/A

User Option (Usage): Used
Purpose: To specify the hazardous commodity identification reference number and quantity

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
1300	LH1	Hazardous Identification Information	O	1		Used
1400	LH2	Hazardous Classification Information	O	4		Used
1500	LH3	Hazardous Material Shipping Name Information	O	10		Used
1600	LFH	Free-form Hazardous Material Information	O	20		Used
1700	LEP	EPA Required Data	O	3		Used
1800	LH4	Canadian Dangerous Requirements	O	4		Used
1900	LHT	Transborder Hazardous Requirements	O	3		Used
2000	LHR	Hazardous Material Identifying Reference Numbers	O	5		Used
2050	PER	Administrative Communications Contact	O	5		Used
2060		Loop N1	O		10	Used

LH1   Hazardous Identification Information

Pos: 1300   Max: 1
Heading - Optional
Loop: LH1   Elements: 12

User Option (Usage): Used
Purpose: To specify the hazardous commodity identification reference number and quantity

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH101	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH102	80	**Lading Quantity**	M	N0	1/7	Must use

Description: Number of units (pieces) of the lading commodity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH103	277	**UN/NA Identification Code**	O	ID	6/6	Used

Description: Code identifying the hazardous material identification number as required by Title 49 of the code of Federal Regulations; UN/NA stands for United Nations/North America

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH104	200	**Hazardous Materials Page**	O	AN	1/6	Used

Description: The United Nations page number as required for the international transport of hazardous materials

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH105	22	**Commodity Code**	O	AN	1/30	Used

Description: Code describing a commodity or group of commodities

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH106	355	**Unit or Basis for Measurement Code**	O	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH107	380	**Quantity**	O	R	1/15	Used

Description: Numeric value of quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH108	595	**Compartment ID Code**	O	ID	1/1	Used

Description: Code identifying the compartment in a compartmentalized tank car
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH109	665	**Residue Indicator Code**	O	ID	1/1	Used

Description: Code indicating that the material being described is that which remains in a packaging (including a tank car) after it has been unloaded
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH110	254	**Packing Group Code**	O	ID	1/3	Used

Description: Code indicating degree of danger in terms of Roman number I, II or III

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH111	1375	**Interim Hazardous Material Regulatory Number**	O	AN	1/5	Used

Description: Identifies the current regulatory version number used for hazardous materials shipments

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH112	1271	**Industry Code**	O	AN	1/30	Used

Description: Code indicating a code from a specific industry code list

Semantics:

1. LH112 is the packaging form code for the non-bulk container passed in the LH101 as defined in 49 CFR 178 and required by 49 CFR 172. (See Code Source 937)

Comments:

1. LH101 and LH102 are used to convey the number and type of packages for bulk and nonbulk movements.
2. LH106 and LH107 are used to convey the quantity or volume and unit of measure for shipments.
3. In LH109, a value of "R" or "P" requires that the receiver generate the words "residue: last contained" prior to the shipping name in accordance with regulations.

LH2 Hazardous Classification Information

Pos: 1400	**Max: 4**
Heading - Optional	
Loop: LH1	**Elements: 13**

User Option (Usage): Used
Purpose: To specify the hazardous notation and endorsement information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH201	215	**Hazardous Classification**	O	ID	1/30	Used

Description: The hazardous classification corresponding to the shipping name of the hazardous commodity

LH202	983	**Hazardous Class Qualifier**	O	ID	1/1	Used

Description: Code qualifying hazardous class
All valid standard codes are used.

LH203	218	**Hazardous Placard Notation**	O	ID	14/40	Used

Description: The placard notation corresponding to the hazard class of the hazardous commodity

LH204	222	**Hazardous Endorsement**	O	ID	4/25	Used

Description: The placard endorsement that is to be shown on the shipping papers for the hazardous commodity

LH205	759	**Reportable Quantity Code**	O	ID	2/2	Used

Description: Code to identify presence of hazardous substance
All valid standard codes are used.

LH206	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
All valid standard codes are used.

LH207	408	**Temperature**	X	R	1/4	Used

Description: Temperature

LH208	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
All valid standard codes are used.

LH209	408	**Temperature**	X	R	1/4	Used

Description: Temperature

LH210	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
All valid standard codes are used.

LH211	408	**Temperature**	X	R	1/4	Used

Description: Temperature

LH212	188	**Weight Unit Code**	X	ID	1/1	Used

Description: Code specifying the weight unit
All valid standard codes are used.

| LH213 | 267 | **Net Explosive Quantity** | X | N0 | 1/10 | Used |

> **Description:** Net weight of the explosive quantity of the hazardous commodity

Syntax Rules:

1. P0607 - If either LH206 or LH207 is present, then the other is required.
2. P0809 - If either LH208 or LH209 is present, then the other is required.
3. P1011 - If either LH210 or LH211 is present, then the other is required.
4. P1213 - If either LH212 or LH213 is present, then the other is required.

Semantics:

1. LH206 and LH207 indicate the flashpoint temperature.
2. LH208 and LH209 indicate the control temperature.
3. LH210 and LH211 indicate the emergency temperature.
4. LH212 and LH213 indicate the net explosive weight.

LH3   Hazardous Material Shipping Name Information

Pos: 1500	Max: 10
Heading - Optional	
Loop: LH1	**Elements: 4**

User Option (Usage): Used
Purpose: To specify the hazardous material shipping name and additional descriptive requirements

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH301	224	**Hazardous Material Shipping Name**	X	AN	1/25	Used

> **Description:** The proper shipping name of the hazardous commodity as specified by Title 49 Code of Federal Regulations, or the shipping name of the dangerous good as defined in the Canadian Transportation of Dangerous Goods Act and Regulations, or the international regulations as promulgated by the United Nations

LH302	984	**Hazardous Material Shipping Name Qualifier**	X	ID	1/1	Used

> **Description:** Qualifier indicating the source (regulatory) of the proper shipping name
> **All valid standard codes are used.**

LH303	985	**N.O.S. Indicator Code**	O	ID	3/3	Used

> **Description:** Code indicating the type of regulatory requirements that apply to a description; N.O.S. stands for Not Otherwise Specified
> **All valid standard codes are used.**

LH304	1073	**Yes/No Condition or Response Code**	O	ID	1/1	Used

> **Description:** Code indicating a Yes or No condition or response
> **All valid standard codes are used.**

Syntax Rules:

1. P0102 - If either LH301 or LH302 is present, then the other is required.

Semantics:

1. If LH304 is "Y", then this is an Association of American Railroads Operations and Transportation Bulletin 55 commodity. If "N", it is not an Association of American Railroads Operations and Transportation Bulletin 55 commodity.

LFH   Free-form Hazardous Material Information

Pos: 1600	Max: 20
Heading - Optional	
Loop: LH1	Elements: 8

User Option (Usage): Used
Purpose: To uniquely identify the variable information required by government regulation covering the transportation of hazardous material shipments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LFH01	808	**Hazardous Material Shipment Information Qualifier**	M	ID	3/3	Must use

Description: Qualifier indicating the type of information being passed so that a receiver may format a description of hazardous commodity movements that meets regulatory requirements
All valid standard codes are used.

LFH02	809	**Hazardous Material Shipment Information**	M	AN	1/25	Must use

Description: Specific information required by law for hazardous material shipments

LFH03	809	**Hazardous Material Shipment Information**	O	AN	1/25	Used

Description: Specific information required by law for hazardous material shipments

LFH04	1023	**Hazard Zone Code**	O	ID	1/1	Used

Description: Code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone
All valid standard codes are used.

LFH05	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
All valid standard codes are used.

LFH06	380	**Quantity**	X	R	1/15	Used

Description: Numeric value of quantity

LFH07	380	**Quantity**	O	R	1/15	Used

Description: Numeric value of quantity

LFH08	373	**Date**	O	DT	8/8	Used

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

Syntax Rules:

1. P0506 - If either LFH05 or LFH06 is present, then the other is required.

Semantics:

1. LFH06 indicates activity of the radioactive material.
2. LFH07 indicates transport index of the radioactive material.
3. LFH08 is the date fumigation began.

LEP   EPA Required Data

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Pos: 1700   **Max: 3**
Heading - Optional
Loop: LH1   Elements: 4

</div>

User Option (Usage): Used
Purpose: To specify the Environmental Protection Agency (EPA) information relating to shipments of hazardous material

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LEP01	806	**EPA Waste Stream Number Code**	O	ID	4/6	Used

Description: Waste stream number applicable to the movement of hazardous waste as determined by government regulations

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LEP02	807	**Waste Characteristics Code**	O	ID	12/16	Used

Description: Waste characteristics as defined by regulatory requirements

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LEP03	156	**State or Province Code**	X	ID	2/2	Used

Description: Code (Standard State/Province) as defined by appropriate government agency

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LEP04	127	**Reference Identification**	X	AN	1/80	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Syntax Rules:

1. P0304 - If either LEP03 or LEP04 is present, then the other is required.

Semantics:

1. LEP03 is used to identify the state or province responsible for the hazardous waste number contained in LEP04.
2. LEP04 is the hazardous waste number.

LH4   Canadian Dangerous Requirements

<div style="float:right; border:1px solid black;">

Pos: 1800   **Max: 4**
Heading - Optional
Loop: LH1   **Elements: 12**

</div>

User Option (Usage): Used
Purpose: To specify additional Transport Canada requirements covering transportation of dangerous goods in Canada

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH401	238	**Emergency Response Plan Number**	X	AN	1/12	Used

     Description: The identity number of a specific hazardous emergency response plan that is assigned by the Director General of Canada

LH402	364	**Communication Number**	X	AN	1/256	Used

     Description: Complete communications number including country or area code when applicable

LH403	254	**Packing Group Code**	O	ID	1/3	Used

     Description: Code indicating degree of danger in terms of Roman number I, II or III

LH404	230	**Subsidiary Classification**	O	ID	1/3	Used

     Description: Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers

LH405	230	**Subsidiary Classification**	O	ID	1/3	Used

     Description: Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers

LH406	230	**Subsidiary Classification**	O	ID	1/3	Used

     Description: Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers

LH407	271	**Subsidiary Risk Indicator**	O	ID	1/2	Used

     Description: Code identifying the type of subsidiary risk
     All valid standard codes are used.

LH408	267	**Net Explosive Quantity**	X	N0	1/10	Used

     Description: Net weight of the explosive quantity of the hazardous commodity

LH409	805	**Canadian Hazardous Notation**	O	AN	1/25	Used

     Description: Notation required by Canadian regulatory agencies

LH410	986	**Special Commodity Indicator Code**	O	ID	1/1	Used

     Description: Code indicating 'Special Commodity' notation on operational waybill as identified by the Transportation of Dangerous Goods Act and Regulation (TDG)
     All valid standard codes are used.

LH411	364	**Communication Number**	O	AN	1/256	Used

     Description: Complete communications number including country or area code when applicable

LH412	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used

     Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
     All valid standard codes are used.

Syntax Rules:
    1. P0102 - If either LH401 or LH402 is present, then the other is required.
    2. P0812 - If either LH408 or LH412 is present, then the other is required.

Semantics:
    1. LH411 is an additional telephone number.

Comments:
    1. LH402 is used for the emergency response plan telephone number.
    2. LH404 is for the first subsidiary classification.
    3. LH405 is for the second subsidiary classification.
    4. LH406 is for the third subsidiary classification.

LHT   Transborder Hazardous Requirements

Pos: 1900   Max: 3
Heading - Optional
Loop: LH1   Elements: 3

User Option (Usage): Used
Purpose: To specify the placard information required by the second government agency when shipment is to cross into another country

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LHT01	215	**Hazardous Classification**	O	ID	1/30	Used

Description: The hazardous classification corresponding to the shipping name of the hazardous commodity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LHT02	218	**Hazardous Placard Notation**	O	ID	14/40	Used

Description: The placard notation corresponding to the hazard class of the hazardous commodity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LHT03	222	**Hazardous Endorsement**	O	ID	4/25	Used

Description: The placard endorsement that is to be shown on the shipping papers for the hazardous commodity

LHR Hazardous Material Identifying Reference Numbers

Pos: 2000   Max: 5
Heading - Optional
Loop: LH1   Elements: 3

User Option (Usage): Used
Purpose: To transmit specific hazardous material reference numbers

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LHR01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LHR02	127	**Reference Identification**	M	AN	1/80	Must use

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LHR03	373	**Date**	O	DT	8/8	Used

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

PER Administrative Communications Contact

Pos: 2050   Max: 5
Heading - Optional
Loop: LH1   Elements: 9

User Option (Usage): Used
Purpose: To identify a person or office to whom administrative communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER01	366	**Contact Function Code**	M	ID	2/2	Must use

Description: Code identifying the major duty or responsibility of the person or group named
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER02	93	**Name**	O	AN	1/60	Used

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER03	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER04	364	**Communication Number**	X	AN	1/256	Used

Description: Complete communications number including country or area code when applicable

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER05	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER06	364	**Communication Number**	X	AN	1/256	Used

Description: Complete communications number including country or area code when applicable

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER07	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER08	364	**Communication Number**	X	AN	1/256	Used

Description: Complete communications number including country or area code when applicable

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER09	443	**Contact Inquiry Reference**	O	AN	1/20	Used

Description: Additional reference number or description to clarify a contact number

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

Loop Party Identification

Pos: 2060	Repeat: 10
Optional	
Loop: N1	Elements: N/A

User Option (Usage): Used
Purpose: To identify a party by type of organization, name, and code

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
2060	N1	Party Identification	O	1		Used
2070	N3	Party Location	O	2		Used
2080	N4	Geographic Location	O	1		Used
2090	PER	Administrative Communications Contact	O	2		Used

N1   Party Identification

<div style="border:1px solid black;">
Pos: 2060   Max: 1
Heading - Optional
Loop: N1   Elements: 6
</div>

User Option (Usage): Used
Purpose: To identify a party by type of organization, name, and code

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use

Description: Code identifying an organizational entity, a physical location, property or an individual
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	X	AN	1/60	Used

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	X	ID	1/2	Used

Description: Code designating the system/method of code structure used for Identification Code (67)
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	X	AN	2/80	Used

Description: Code identifying a party or other code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N105	706	**Entity Relationship Code**	O	ID	2/2	Used

Description: Code describing entity relationship
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N106	98	**Entity Identifier Code**	O	ID	2/3	Used

Description: Code identifying an organizational entity, a physical location, property or an individual
All valid standard codes are used.

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

N3   Party Location

Pos: 2070	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used
Purpose: To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information**	M	AN	1/55	Must use
		Description: Address information				
N302	166	**Address Information**	O	AN	1/55	Used
		Description: Address information				

N4   Geographic Location

Pos: 2080   Max: 1
Heading - Optional
Loop: N1   Elements: 7

User Option (Usage): Used
Purpose: To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	**State or Province Code**	X	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	**Postal Code**	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	**Country Code**	X	ID	2/3	Used
		Description: Code identifying the country				
N405	309	**Location Qualifier**	X	ID	1/2	Used
		Description: Code identifying type of location **All valid standard codes are used.**				
N406	310	**Location Identifier**	O	AN	1/30	Used
		Description: Code which identifies a specific location				
N407	1715	**Country Subdivision Code**	X	ID	1/3	Used
		Description: Code identifying the country subdivision				

Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. C0605 - If N406 is present, then N405 is required.
3. C0704 - If N407 is present, then N404 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

PER Administrative Communications Contact

Pos: 2090	Max: 2
Heading - Optional	
Loop: N1	Elements: 9

User Option (Usage): Used
Purpose: To identify a person or office to whom administrative communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER01	366	**Contact Function Code**	M	ID	2/2	Must use

Description: Code identifying the major duty or responsibility of the person or group named
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER02	93	**Name**	O	AN	1/60	Used

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER03	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER04	364	**Communication Number**	X	AN	1/256	Used

Description: Complete communications number including country or area code when applicable

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER05	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER06	364	**Communication Number**	X	AN	1/256	Used

Description: Complete communications number including country or area code when applicable

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER07	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER08	364	**Communication Number**	X	AN	1/256	Used

Description: Complete communications number including country or area code when applicable

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER09	443	**Contact Inquiry Reference**	O	AN	1/20	Used

Description: Additional reference number or description to clarify a contact number

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

LE   Loop Trailer

Pos: 2100	Max: 1
Heading - Mandatory	
Loop: LS	**Elements: 1**

User Option (Usage): Used
Purpose: To indicate that the loop immediately preceding this segment is complete

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LE01	447	**Loop Identifier Code**	M	AN	1/4	Must use

> **Description:** The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE

Semantics:

1. One loop may be nested contained within another loop, provided the inner nested loop terminates before the other loop. When specified by the standards setting body as mandatory, this segment in combination with "LS", must be used. It is not to be used if not specifically set forth for use. The loop identifier in the loop header and trailer must be identical. The value for the identifier is the loop ID of the required loop beginning segment. The loop ID number is given on the transaction set diagram in the appropriate ASC X12 version/release.

Comments:

1. See Figures Appendix for an explanation of the use of the LE and LS segments.

PER Administrative Communications Contact

<table>
<tr><td>Pos: 2200</td><td>Max: 5</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: W2</td><td>Elements: 9</td></tr>
</table>

User Option (Usage): Used
Purpose: To identify a person or office to whom administrative communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER01	366	**Contact Function Code**	M	ID	2/2	Must use

Description: Code identifying the major duty or responsibility of the person or group named
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER02	93	**Name**	O	AN	1/60	Used

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER03	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER04	364	**Communication Number**	X	AN	1/256	Used

Description: Complete communications number including country or area code when applicable

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER05	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER06	364	**Communication Number**	X	AN	1/256	Used

Description: Complete communications number including country or area code when applicable

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER07	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER08	364	**Communication Number**	X	AN	1/256	Used

Description: Complete communications number including country or area code when applicable

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER09	443	**Contact Inquiry Reference**	O	AN	1/20	Used

Description: Additional reference number or description to clarify a contact number

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

LH2 Hazardous Classification Information

Pos: 2300	**Max: 1**
Heading - Optional	
Loop: W2	**Elements: 13**

User Option (Usage): Used
Purpose: To specify the hazardous notation and endorsement information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH201	215	**Hazardous Classification**	O	ID	1/30	Used

Description: The hazardous classification corresponding to the shipping name of the hazardous commodity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH202	983	**Hazardous Class Qualifier**	O	ID	1/1	Used

Description: Code qualifying hazardous class
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH203	218	**Hazardous Placard Notation**	O	ID	14/40	Used

Description: The placard notation corresponding to the hazard class of the hazardous commodity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH204	222	**Hazardous Endorsement**	O	ID	4/25	Used

Description: The placard endorsement that is to be shown on the shipping papers for the hazardous commodity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH205	759	**Reportable Quantity Code**	O	ID	2/2	Used

Description: Code to identify presence of hazardous substance
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH206	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH207	408	**Temperature**	X	R	1/4	Used

Description: Temperature

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH208	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH209	408	**Temperature**	X	R	1/4	Used

Description: Temperature

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH210	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH211	408	**Temperature**	X	R	1/4	Used

Description: Temperature

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH212	188	**Weight Unit Code**	X	ID	1/1	Used

Description: Code specifying the weight unit
All valid standard codes are used.

| LH213 | 267 | **Net Explosive Quantity** | X | N0 | 1/10 | Used |

Description: Net weight of the explosive quantity of the hazardous commodity

Syntax Rules:
1. P0607 - If either LH206 or LH207 is present, then the other is required.
2. P0809 - If either LH208 or LH209 is present, then the other is required.
3. P1011 - If either LH210 or LH211 is present, then the other is required.
4. P1213 - If either LH212 or LH213 is present, then the other is required.

Semantics:
1. LH206 and LH207 indicate the flashpoint temperature.
2. LH208 and LH209 indicate the control temperature.
3. LH210 and LH211 indicate the emergency temperature.
4. LH212 and LH213 indicate the net explosive weight.

LHR Hazardous Material Identifying Reference Numbers

Pos: 2400   Max: 1
Heading - Optional
Loop: W2   Elements: 3

User Option (Usage): Used
Purpose: To transmit specific hazardous material reference numbers

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LHR01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LHR02	127	**Reference Identification**	M	AN	1/80	Must use

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LHR03	373	**Date**	O	DT	8/8	Used

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

SE   Transaction Set Trailer

Pos: 2500	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Must use
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	**Number of Included Segments**	M	N0	1/10	Must use

Description: Total number of segments included in a transaction set including ST and SE segments

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Comments:

1. SE is the last segment of each transaction set.