204 Motor Carrier Load Tender

Functional Group=SM

This Draft Standard for Trial Use contains the format and establishes the data contents of the Motor Carrier Load Tender Transaction Set (204) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used to allow shippers or other interested parties to offer (tender) a shipment to a full load (truckload) motor carrier including detailed scheduling, equipment requirements, commodities, and shipping instructions pertinent to a load tender. It is not to be used to provide a motor carrier with data relative to a Less-than-Truckload bill of lading, pick-up notification, or manifest.

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	B2	Beginning Segment for Shipment Information Transaction	M	1			Must use
030	B2A	Set Purpose	M	1			Must use
080	L11	Business Instructions and Reference Number	O	50			Used
090	G62	Date/Time	O	1		N1/090	Used
100	MS3	Interline Information	O	1			Used
110	AT5	Bill of Lading Handling Requirements	O	6			Used
120	PLD	Pallet Information	O	1			Used
125	LH6	Hazardous Certification	O	6			Used
130	NTE	Note/Special Instruction	O	10			Used
LOOP ID - 0100					**5**	**N1/140L**	
140	N1	Name	O	1		N1/140	Used
150	N2	Additional Name Information	O	1			Used
160	N3	Address Information	O	2			Used
170	N4	Geographic Location	O	1			Used
180	L11	Business Instructions and Reference Number	O	1			Used
190	G61	Contact	O	3			Used
LOOP ID - 0200					**10**		
200	N7	Equipment Details	O	1			Used
203	N7A	Accessorial Equipment Details	O	1			Used
205	N7B	Additional Equipment Details	O	1			Used
208	MEA	Measurements	O	1			Used
210	M7	Seal Numbers	O	2			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage

LOOP ID - 0300					**999**		
010	S5	Stop Off Details	M	1			Must use
020	L11	Business Instructions and Reference Number	O	50			Used
030	G62	Date/Time	O	2		N2/030	Used
040	AT8	Shipment Weight, Packaging and Quantity Data	O	1		N2/040	Used
050	LAD	Lading Detail	O	999		N2/050	Used
060	AT5	Bill of Lading Handling Requirements	O	6			Used
063	PLD	Pallet Information	O	1			Used
065	NTE	Note/Special Instruction	O	20			Used
LOOP ID - 0310					**1**		
070	N1	Name	O	1			Used
080	N2	Additional Name Information	O	1			Used
090	N3	Address Information	O	2			Used
100	N4	Geographic Location	O	1			Used
120	G61	Contact	O	3			Used
LOOP ID - 0320					**99**		
130	L5	Description, Marks and Numbers	O	1			Used
135	AT8	Shipment Weight, Packaging and Quantity Data	O	1			Used
LOOP ID - 0325					**99**	**N2/140L**	
140	G61	Contact	O	1		N2/140	Used
141	L11	Business Instructions and Reference Number	O	5		N2/141	Used
142	LH6	Hazardous Certification	O	6			Used
LOOP ID - 0330					**25**		
143	LH1	Hazardous Identification Information	O	1			Used
144	LH2	Hazardous Classification Information	O	4			Used
145	LH3	Hazardous Material Shipping Name	O	10			Used
146	LFH	Freeform Hazardous Material Information	O	20			Used
147	LEP	EPA Required Data	O	3			Used
148	LH4	Canadian Dangerous Requirements	O	1			Used
149	LHT	Transborder Hazardous Requirements	O	3			Used
LOOP ID - 0350					**999**	**N2/150L**	
150	OID	Order Identification Detail	O	1		N2/150	Used
160	G62	Date/Time	O	2			Used
180	LAD	Lading Detail	O	999			Used
LOOP ID - 0360					**99**	**N2/190L**	
190	L5	Description, Marks and Numbers	O	1		N2/190	Used
195	AT8	Shipment Weight,	O	1		N2/195	Used

		Packaging and Quantity Data					
LOOP ID - 0365					**99**	**N2/200L**	
200	G61	Contact	O	1		N2/200	Used
201	L11	Business Instructions and Reference Number	O	5		N2/201	Used
202	LH6	Hazardous Certification	O	6			Used
LOOP ID - 0370					**25**		
203	LH1	Hazardous Identification Information	O	1			Used
204	LH2	Hazardous Classification Information	O	4			Used
205	LH3	Hazardous Material Shipping Name	O	10			Used
206	LFH	Freeform Hazardous Material Information	O	20			Used
207	LEP	EPA Required Data	O	3			Used
208	LH4	Canadian Dangerous Requirements	O	1			Used
209	LHT	Transborder Hazardous Requirements	O	3			Used
LOOP ID - 0380					**10**		
210	N7	Equipment Details	O	1			Used
220	N7A	Accessorial Equipment Details	O	1			Used
230	N7B	Additional Equipment Details	O	1			Used
240	MEA	Measurements	O	1			Used
250	M7	Seal Numbers	O	2			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	L3	Total Weight and Charges	O	1			Used
020	SE	Transaction Set Trailer	M	1			Must use

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

Notes:

1/090 Segment G62 in header is used to convey the must-respond-by date and time when responding to a 204 transaction.

1/140L Loop 0100 is used to convey name and address detail relative to bill-to, party controlling freight, or other shipment level name and address information. It is not used to convey ship from or ship to detail which should be handled within loop 0300 in table 2.

1/140 Loop 0100 is used to convey name and address detail relative to bill-to, party controlling freight, or other shipment level name and address information. It is not used to convey ship from or ship to detail which should be handled within loop 0300 in table 2.

2/030 Use G62 segment either in loop 0300 or loop 0350, but not both.

2/040 Segment AT8 in loop 0300 is intended for the transmitting of total weight, quantity, and volume relative to the specific stop-off. Should weight, quantity, and volume also be sent in segment AT8 in loop 0320 and tied to commodity detail, then the accumulated amounts of weight, quantity, and volume in the AT8 segment in loop 0320 should equal the amounts in the single AT8 occurrence in loop 0300.

2/050 Use LAD segment either in loop 0300 or loop 0350, but not both.

2/140L The G61 segment contains the person or company to be contacted by the carrier in case of emergency.

2/140 The G61 segment contains the person or company to be contacted by the carrier in case of emergency.

2/141 The L11 segment contains the specific hazardous material reference numbers. Used in loop 0325 it pertains to all iterations of loop 0330 following.

2/150L Use loop 0350 for conveying seller's order/invoice level detail or buyer's purchase order level detail. If not using order level detail, this loop should not be used.

2/150 Use loop 0350 for conveying seller's order/invoice level detail or buyer's purchase order level detail. If not using order level detail, this loop should not be used.

2/190L If sending order level detail within the 0350 loop, then use L5 and AT8 segments in loop 0360 to relay commodity detail. Otherwise, use L5 and AT8 segments within the 0320 loop to relay commodity detail. Use either loop 0320 or loop 0360, but not both.

2/190 If sending order level detail within the 0350 loop, then use L5 and AT8 segments in loop 0360 to relay commodity detail. Otherwise, use L5 and AT8 segments within the 0320 loop to relay commodity detail. Use either loop 0320 or loop 0360, but not both.

2/195 Accumulated weights, quantities, and volumes sent in the AT8 segment in loop 0360 should total to the weight, quantity, and volume in the OID segment in loop 0350. Accumulated weights and quantities in the LAD segment in loop 0350 should total to the weight and quantity in the OID segment in loop 0350.

2/200L The G61 segment contains the person or company to be contacted by the carrier in case of emergency.

2/200 The G61 segment contains the person or company to be contacted by the carrier in case of emergency.

2/201 The L11 segment contains the specific hazardous material reference numbers. Used in loop 0365 it pertains to all iterations of loop 0370 following.

ISA Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

User Option (Usage): Must use

To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA01	I01	**Authorization Information Qualifier** **Description:** Code to identify the type of information in the Authorization Information **All valid standard codes are used.**	M	ID	2/2	Must use
ISA02	I02	**Authorization Information** **Description:** Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)	M	AN	10/10	Must use
ISA03	I03	**Security Information Qualifier** **Description:** Code to identify the type of information in the Security Information **All valid standard codes are used.**	M	ID	2/2	Must use
ISA04	I04	**Security Information** **Description:** This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)	M	AN	10/10	Must use
ISA05	I05	**Interchange ID Qualifier** **Description:** Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified **All valid standard codes are used.**	M	ID	2/2	Must use
ISA06	I06	**Interchange Sender ID** **Description:** Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element	M	AN	15/15	Must use
ISA07	I05	**Interchange ID Qualifier** **Description:** Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified **All valid standard codes are used.**	M	ID	2/2	Must use
ISA08	I07	**Interchange Receiver ID** **Description:** Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them	M	AN	15/15	Must use
ISA09	I08	**Interchange Date**	M	DT	6/6	Must use

		Description: Date of the interchange				
ISA10	I09	**Interchange Time** **Description:** Time of the interchange	M	TM	4/4	Must use
ISA11	I10	**Interchange Control Standards Identifier** **Description:** Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer **All valid standard codes are used.**	M	ID	1/1	Must use
ISA12	I11	**Interchange Control Version Number** **Description:** Code specifying the version number of the interchange control segments **All valid standard codes are used.**	M	ID	5/5	Must use
ISA13	I12	**Interchange Control Number** **Description:** A control number assigned by the interchange sender	M	N0	9/9	Must use
ISA14	I13	**Acknowledgment Requested** **Description:** Code sent by the sender to request an interchange acknowledgment (TA1) **All valid standard codes are used.**	M	ID	1/1	Must use
ISA15	I14	**Usage Indicator** **Description:** Code to indicate whether data enclosed by this interchange envelope is test, production or information **All valid standard codes are used.**	M	ID	1/1	Must use
ISA16	I15	**Component Element Separator** **Description:** Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator	M		1/1	Must use

GS Functional Group Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

User Option (Usage): Must use

To indicate the beginning of a functional group and to provide control information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS01	479	**Functional Identifier Code** **Description:** Code identifying a group of application related transaction sets **All valid standard codes are used.**	M	ID	2/2	Must use
GS02	142	**Application Sender's Code** **Description:** Code identifying party sending transmission; codes agreed to by trading partners	M	AN	2/15	Must use
GS03	124	**Application Receiver's Code** **Description:** Code identifying party receiving transmission; codes agreed to by trading partners	M	AN	2/15	Must use
GS04	373	**Date** **Description:** Date expressed as CCYYMMDD	M	DT	8/8	Must use
GS05	337	**Time** **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)	M	TM	4/8	Must use
GS06	28	**Group Control Number** **Description:** Assigned number originated and maintained by the sender	M	N0	1/9	Must use
GS07	455	**Responsible Agency Code** **Description:** Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480 **All valid standard codes are used.**	M	ID	1/2	Must use
GS08	480	**Version / Release / Industry Identifier Code** **Description:** Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed **All valid standard codes are used.**	M	AN	1/12	Must use

Semantics:

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments:

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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** **Description:** Code uniquely identifying a Transaction Set **All valid standard codes are used.**	M	ID	3/3	Must use
ST02	329	**Transaction Set Control Number** **Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

B2 Beginning Segment for Shipment Information Transaction

Pos: 020 **Max: 1**
Heading - Mandatory
Loop: N/A **Elements: 12**

User Option (Usage): Must use

To transmit basic data relating to shipment information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B201	375	**Tariff Service Code** **Description:** Code specifying the types of services for rating purposes **All valid standard codes are used.**	O	ID	2/2	Used
B202	140	**Standard Carrier Alpha Code** **Description:** Standard Carrier Alpha Code	O	ID	2/4	Used
B203	154	**Standard Point Location Code** **Description:** Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	O	ID	6/9	Used
B204	145	**Shipment Identification Number** **Description:** Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)	O	AN	1/30	Used
B205	188	**Weight Unit Code** **Description:** Code specifying the weight unit **All valid standard codes are used.**	O	ID	1/1	Used
B206	146	**Shipment Method of Payment** **Description:** Code identifying payment terms for transportation charges **All valid standard codes are used.**	M	ID	2/2	Must use
B207	147	**Shipment Qualifier** **Description:** Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time **All valid standard codes are used.**	O	ID	1/1	Used
B208	86	**Total Equipment** **Description:** Total pieces of equipment	O	N0	1/3	Used
B209	460	**Shipment Weight Code** **Description:** Code indicating the way by which weights are obtained for a particular shipment **All valid standard codes are used.**	O	ID	1/1	Used
B210	501	**Customs Documentation Handling Code** **Description:** Code defining method of handling for documentation **All valid standard codes are used.**	O	ID	2/2	Used
B211	335	**Transportation Terms Code**	O	ID	3/3	Used

		Description: Code identifying the trade terms which apply to the shipment transportation responsibility **All valid standard codes are used.**				
B212	591	**Payment Method Code** **Description:** Code identifying the method for the movement of payment instructions **All valid standard codes are used.**	O	ID	3/3	Used

Semantics:

1. B202 contains the Standard Carrier Alpha Code (SCAC) of the carrier that will receive the bill of lading.
2. If B211 is used, B206 will indicate the party or parties responsible for payment of the transportation terms identified in B211.

Comments:

1. B202 is mandatory for transaction set 204.
2. B209 is mandatory for rail transactions.

B2A Set Purpose

Pos: 030	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To allow for positive identification of transaction set purpose

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B2A01	353	**Transaction Set Purpose Code** **Description:** Code identifying purpose of transaction set **All valid standard codes are used.**	M	ID	2/2	Must use
B2A02	346	**Application Type** **Description:** Code identifying an application **All valid standard codes are used.**	O	ID	2/2	Used

L11 Business Instructions and Reference Number

Pos: 080 **Max: 50**
Heading - Optional
Loop: N/A **Elements: 3**

User Option (Usage): Used

To specify instructions in this business relationship or a reference number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L1101	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
L1102	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **All valid standard codes are used.**	X	ID	2/3	Used
L1103	352	**Description** **Description:** A free-form description to clarify the related data elements and their content	X	AN	1/80	Used

Syntax:

1. R0103 - At least one of L1101,L1103 is required
2. P0102 - If either L1101,L1102 is present, then all are required

G62 Date/Time

Pos: 090	Max: 1
Heading - Optional	
Loop: N/A	Elements: 5

User Option (Usage): Used

To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6201	432	**Date Qualifier** **Description:** Code specifying type of date **All valid standard codes are used.**	X	ID	2/2	Used
G6202	373	**Date** **Description:** Date expressed as CCYYMMDD	X	DT	8/8	Used
G6203	176	**Time Qualifier** **Description:** Code specifying the reported time **All valid standard codes are used.**	X	ID	1/2	Used
G6204	337	**Time** **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)	X	TM	4/8	Used
G6205	623	**Time Code** **Description:** Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow **All valid standard codes are used.**	O	ID	2/2	Used

Syntax:

1. R0103 - At least one of G6201,G6203 is required
2. P0102 - If either G6201,G6202 is present, then all are required
3. P0304 - If either G6203,G6204 is present, then all are required

MS3 Interline Information

Pos: 100	Max: 1
Heading - Optional	
Loop: N/A	Elements: 5

User Option (Usage): Used

To identify the interline carrier and relevant data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MS301	140	**Standard Carrier Alpha Code** **Description:** Standard Carrier Alpha Code	M	ID	2/4	Must use
MS302	133	**Routing Sequence Code** **Description:** Code describing the relationship of a carrier to a specific shipment movement **All valid standard codes are used.**	M	ID	1/2	Must use
MS303	19	**City Name** **Description:** Free-form text for city name	X	AN	2/30	Used
MS304	91	**Transportation Method/Type Code** **Description:** Code specifying the method or type of transportation for the shipment **All valid standard codes are used.**	O	ID	1/2	Used
MS305	156	**State or Province Code** **Description:** Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used

Syntax:

1. C0503 - If MS305 is present, then all of MS303 are required

Semantics:

1. MS301 is the Standard Carrier Alpha Code (SCAC) of the interline carrier.
2. MS303 is the city where the interline was performed.

AT5 Bill of Lading Handling Requirements

Pos: 110 **Max: 6**
Heading - Optional
Loop: N/A **Elements: 3**

User Option (Usage): Used

To identify Bill of Lading handling and service requirements

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT501	152	**Special Handling Code** **Description:** Code specifying special transportation handling instructions **All valid standard codes are used.**	X	ID	2/3	Used
AT502	560	**Special Services Code** **Description:** Code identifying the special service **All valid standard codes are used.**	X	ID	2/10	Used
AT503	153	**Special Handling Description** **Description:** Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate	X	AN	2/30	Used

Syntax:

1. E0103 - Only one of AT501,AT503 may be presented
2. E0203 - Only one of AT502,AT503 may be presented

PLD Pallet Information

Pos: 120	Max: 1
Heading - Optional	
Loop: N/A	Elements: 4

User Option (Usage): Used

To specify pallet information including quantity, exchange, and weight

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PLD01	406	**Quantity of Pallets Shipped** **Description:** Number of pallets shipped	M	N0	1/3	Must use
PLD02	399	**Pallet Exchange Code** **Description:** Code specifying pallet exchange instructions **All valid standard codes are used.**	O	ID	1/1	Used
PLD03	188	**Weight Unit Code** **Description:** Code specifying the weight unit **All valid standard codes are used.**	X	ID	1/1	Used
PLD04	81	**Weight** **Description:** Numeric value of weight	X	R	1/10	Used

Syntax:

1. P0304 - If either PLD03,PLD04 is present, then all are required

LH6 Hazardous Certification

Pos: 125	Max: 6
Heading - Optional	
Loop: N/A	Elements: 4

User Option (Usage): Used

To specify the name of the person certifying that the shipment complies with the regulations and/or the actual certification

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH601	93	**Name** **Description:** Free-form name	O	AN	1/60	Used
LH602	272	**Hazardous Certification Code** **Description:** Code indicating the form of the hazardous certification **All valid standard codes are used.**	X	ID	1/1	Used
LH603	273	**Hazardous Certification Declaration** **Description:** Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations	X	AN	1/25	Used
LH604	273	**Hazardous Certification Declaration** **Description:** Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations	O	AN	1/25	Used

Syntax:

1. P0203 - If either LH602,LH603 is present, then all are required

NTE Note/Special Instruction

Pos: 130	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

To transmit information in a free-form format, if necessary, for comment or special instruction

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NTE01	363	**Note Reference Code** **Description:** Code identifying the functional area or purpose for which the note applies **All valid standard codes are used.**	O	ID	3/3	Used
NTE02	352	**Description** **Description:** A free-form description to clarify the related data elements and their content	M	AN	1/80	Must use

Comments:

1. The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Loop 0100

Pos: 140	Repeat: 5
Optional	
Loop: 0100	Elements: N/A

To identify a party by type of organization, name, and code

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
140	N1	Name	O	1		Used
150	N2	Additional Name Information	O	1		Used
160	N3	Address Information	O	2		Used
170	N4	Geographic Location	O	1		Used
180	L11	Business Instructions and Reference Number	O	1		Used
190	G61	Contact	O	3		Used

N1 Name

Pos: 140 **Max: 1**
Heading - Optional
Loop: 0100 **Elements: 6**

User Option (Usage): Used

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** **Description:** Code identifying an organizational entity, a physical location, property or an individual **All valid standard codes are used.**	M	ID	2/3	Must use
N102	93	**Name** **Description:** Free-form name	X	AN	1/60	Used
N103	66	**Identification Code Qualifier** **Description:** Code designating the system/method of code structure used for Identification Code (67) **All valid standard codes are used.**	X	ID	1/2	Used
N104	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
N105	706	**Entity Relationship Code** **Description:** Code describing entity relationship **All valid standard codes are used.**	O	ID	2/2	Used
N106	98	**Entity Identifier Code** **Description:** Code identifying an organizational entity, a physical location, property or an individual **All valid standard codes are used.**	O	ID	2/3	Used

Syntax:

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

N2 Additional Name Information

Pos: 150 **Max: 1**
Heading - Optional
Loop: 0100 **Elements: 2**

User Option (Usage): Used

To specify additional names or those longer than 35 characters in length

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N201	93	**Name** **Description:** Free-form name	M	AN	1/60	Must use
N202	93	**Name** **Description:** Free-form name	O	AN	1/60	Used

N3 Address Information

Pos: 160 **Max: 2**
Heading - Optional
Loop: 0100 **Elements: 2**

User Option (Usage): Used

To specify the location of the named party

Element Summary:

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

N4 Geographic Location

Pos: 170 **Max: 1**
Heading - Optional
Loop: 0100 **Elements: 6**

User Option (Usage): Used

To specify the geographic place of the named party

Element Summary:

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

Syntax:

1. C0605 - If N406 is present, then all of N405 are required

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

L11 Business Instructions and Reference Number

Pos: 180 **Max: 1**
Heading - Optional
Loop: 0100 **Elements: 3**

User Option (Usage): Used

To specify instructions in this business relationship or a reference number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L1101	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
L1102	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **All valid standard codes are used.**	X	ID	2/3	Used
L1103	352	**Description** **Description:** A free-form description to clarify the related data elements and their content	X	AN	1/80	Used

Syntax:

1. R0103 - At least one of L1101,L1103 is required
2. P0102 - If either L1101,L1102 is present, then all are required

G61 Contact

Pos: 190	Max: 3
Heading - Optional	
Loop: 0100	Elements: 5

User Option (Usage): Used

To identify a person or office to whom communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6101	366	**Contact Function Code** **Description:** Code identifying the major duty or responsibility of the person or group named **All valid standard codes are used.**	M	ID	2/2	Must use
G6102	93	**Name** **Description:** Free-form name	M	AN	1/60	Must use
G6103	365	**Communication Number Qualifier** **Description:** Code identifying the type of communication number **All valid standard codes are used.**	X	ID	2/2	Used
G6104	364	**Communication Number** **Description:** Complete communications number including country or area code when applicable	X	AN	1/80	Used
G6105	443	**Contact Inquiry Reference** **Description:** Additional reference number or description to clarify a contact number	O	AN	1/20	Used

Syntax:

1. P0304 - If either G6103,G6104 is present, then all are required

Comments:

1. G6103 qualifies G6104.

Loop 0200

Pos: 200 **Repeat: 10**
Optional
Loop: 0200 **Elements: N/A**

To identify the equipment

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
200	N7	Equipment Details	O	1		Used
203	N7A	Accessorial Equipment Details	O	1		Used
205	N7B	Additional Equipment Details	O	1		Used
208	MEA	Measurements	O	1		Used
210	M7	Seal Numbers	O	2		Used

N7 Equipment Details

Pos: 200 **Max: 1**
Heading - Optional
Loop: 0200 **Elements: 24**

User Option (Usage): Used

To identify the equipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N701	206	**Equipment Initial** **Description:** Prefix or alphabetic part of an equipment unit's identifying number	O	AN	1/4	Used
N702	207	**Equipment Number** **Description:** Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	M	AN	1/10	Must use
N703	81	**Weight** **Description:** Numeric value of weight	X	R	1/10	Used
N704	187	**Weight Qualifier** **Description:** Code defining the type of weight **All valid standard codes are used.**	X	ID	1/2	Used
N705	167	**Tare Weight** **Description:** Weight of the equipment	X	N0	3/8	Used
N706	232	**Weight Allowance** **Description:** Allowance made for increased weight due to such factors as snow	O	N0	2/6	Used
N707	205	**Dunnage** **Description:** Weight of material used to protect lading (even bracings, false floors, etc.)	O	N0	1/6	Used
N708	183	**Volume** **Description:** Value of volumetric measure	X	R	1/8	Used
N709	184	**Volume Unit Qualifier** **Description:** Code identifying the volume unit **All valid standard codes are used.**	X	ID	1/1	Used
N710	102	**Ownership Code** **Description:** Code indicating the relationship of equipment to carrier or ownership of equipment **All valid standard codes are used.**	O	ID	1/1	Used
N711	40	**Equipment Description Code** **Description:** Code identifying type of equipment used for shipment **All valid standard codes are used.**	O	ID	2/2	Used
N712	140	**Standard Carrier Alpha Code** **Description:** Standard Carrier Alpha Code	O	ID	2/4	Used
N713	319	**Temperature Control** **Description:** Free-form abbreviation of temperature range or flash-point temperature	O	AN	3/6	Used
N714	219	**Position**	O	AN	1/3	Used

		Description: Relative position of shipment in car, trailer, or container (mutually defined)				
N715	567	**Equipment Length** **Description:** Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)	O	N0	4/5	Used
N716	571	**Tare Qualifier Code** **Description:** Code identifying the type of tare **All valid standard codes are used.**	X	ID	1/1	Used
N717	188	**Weight Unit Code** **Description:** Code specifying the weight unit **All valid standard codes are used.**	O	ID	1/1	Used
N718	761	**Equipment Number Check Digit** **Description:** Number which designates the check digit applied to a piece of equipment	O	N0	1/1	Used
N719	56	**Type of Service Code** **Description:** Code specifying extent of transportation service requested **All valid standard codes are used.**	O	ID	2/2	Used
N720	65	**Height** **Description:** Vertical dimension of an object measured when the object is in the upright position	O	R	1/8	Used
N721	189	**Width** **Description:** Shorter measurement of the two horizontal dimensions measured with the object in the upright position	O	R	1/8	Used
N722	24	**Equipment Type** **Description:** Code identifying equipment type	O	ID	4/4	Used
N723	140	**Standard Carrier Alpha Code** **Description:** Standard Carrier Alpha Code	O	ID	2/4	Used
N724	301	**Car Type Code** **Description:** Code specifying type of rail car or intermodal equipment type and its general characteristics	O	ID	1/4	Used

Syntax:

1. P0304 - If either N703,N704 is present, then all are required
2. P0516 - If either N705,N716 is present, then all are required
3. P0809 - If either N708,N709 is present, then all are required

Semantics:

1. N712 is the owner of the equipment.
2. N723 is the operator or carrier of the rights of the equipment.

Comments:

1. N701 is mandatory for rail transactions.
2. N720 and N721 are expressed in inches.

N7A Accessorial Equipment Details

Pos: 203 **Max: 1**
Heading - Optional
Loop: 0200 **Elements: 9**

User Option (Usage): Used

To identify the accessorial equipment required to load or unload product

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N7A01	1042	**Load or Device Code** **Description:** Code identifying the device required to load or unload product **All valid standard codes are used.**	O	ID	2/2	Used
N7A02	82	**Length** **Description:** Largest horizontal dimension of an object measured when the object is in the upright position	O	R	1/8	Used
N7A03	1043	**Diameter** **Description:** Diameter of the object	O	R	1/2	Used
N7A04	1044	**Hose Type Code** **Description:** Code identifying the type of hose required for loading or unloading the product **All valid standard codes are used.**	O	ID	3/3	Used
N7A05	1043	**Diameter** **Description:** Diameter of the object	O	R	1/2	Used
N7A06	1043	**Diameter** **Description:** Diameter of the object	O	R	1/2	Used
N7A07	1045	**Inlet or Outlet Material Type Code** **Description:** Code indicating the type of material used in the construction of the inlet or outlet **All valid standard codes are used.**	O	ID	2/2	Used
N7A08	1046	**Inlet or Outlet Fitting Type Code** **Description:** Code indicating the type of fitting required to make the connection of the inlet or outlet **All valid standard codes are used.**	O	ID	2/2	Used
N7A09	1047	**Miscellaneous Equipment Code** **Description:** Code indicating the miscellaneous equipment required to load or unload a product **All valid standard codes are used.**	O	ID	2/2	Used

Semantics:

1. N7A02 is the length of the hose in feet.
2. N7A03 is the diameter of the hose in inches. The hose connects the trailer with the storage tank, etc.
3. N7A05 is the diameter of the outlet or inlet in inches.
4. N7A06 is the diameter of the hose in inches. This hose connects the trailer to an unloading device (pump, blower, etc.).

N7B Additional Equipment Details

Pos: 205 **Max: 1**
Heading - Optional
Loop: 0200 **Elements: 6**

User Option (Usage): Used

To identify additional equipment details

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N7B01	1024	**Number of Tank Compartments** **Description:** Number of compartments in a Tank Trailer	O	N0	1/2	Used
N7B02	1025	**Loading or Discharge Location Code** **Description:** Code indicating the location of the loading or discharge line connection used for loading or unloading product from a trailer or container **All valid standard codes are used.**	O	ID	1/1	Used
N7B03	1026	**Vessel Material Code** **Description:** Code indicating the material that is used in construction of the cargo tank vessel **All valid standard codes are used.**	O	ID	3/3	Used
N7B04	1030	**Gasket Type Code** **Description:** Code indicating the type of gaskets (used in the trailer valves and hoses) that are required to load or unload the product **All valid standard codes are used.**	O	ID	3/3	Used
N7B05	1031	**Trailer Lining Type Code** **Description:** Code indicating the type of trailer (vessel) lining required by the product **All valid standard codes are used.**	O	ID	3/3	Used
N7B06	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	AN	1/30	Used

Semantics:

1. N7B06 is the Department of Transportation or the Interstate Commerce Commission Motor Carrier Cargo Tank Specification.

Comments:

1. N7B06 may include but are not limited to MC300 through MC307, MC310 through MC312, MC330, MC331, MC338, DOT 406, DOT 407, and DOT 412.

MEA Measurements

Pos: 208	Max: 1
Heading - Optional	
Loop: 0200	Elements: 10

User Option (Usage): Used

To specify physical measurements or counts, including dimensions, tolerances, variances, and weights(See Figures Appendix for example of use of C001)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MEA01	737	**Measurement Reference ID Code** **Description:** Code identifying the broad category to which a measurement applies **All valid standard codes are used.**	O	ID	2/2	Used
MEA02	738	**Measurement Qualifier** **Description:** Code identifying a specific product or process characteristic to which a measurement applies **All valid standard codes are used.**	O	ID	1/3	Used
MEA03	739	**Measurement Value** **Description:** The value of the measurement	X	R	1/20	Used
MEA04	C001	**Composite Unit of Measure** **Description:** To identify a composite unit of measure(See Figures Appendix for examples of use)	X	Comp		Used
	355	**Unit or Basis for Measurement Code** **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.**	M	ID	2/2	Must use
	1018	**Exponent** **Description:** Power to which a unit is raised	O	R	1/15	Used
	649	**Multiplier** **Description:** Value to be used as a multiplier to obtain a new value	O	R	1/10	Used
	355	**Unit or Basis for Measurement Code** **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.**	O	ID	2/2	Used
	1018	**Exponent** **Description:** Power to which a unit is raised	O	R	1/15	Used
	649	**Multiplier** **Description:** Value to be used as a multiplier to obtain a new value	O	R	1/10	Used
	355	**Unit or Basis for Measurement Code** **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.**	O	ID	2/2	Used
	1018	**Exponent** **Description:** Power to which a unit is raised	O	R	1/15	Used
	649	**Multiplier**	O	R	1/10	Used

		Description: Value to be used as a multiplier to obtain a new value				
	355	**Unit or Basis for Measurement Code** **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.**	O	ID	2/2	Used
	1018	**Exponent** **Description:** Power to which a unit is raised	O	R	1/15	Used
	649	**Multiplier** **Description:** Value to be used as a multiplier to obtain a new value	O	R	1/10	Used
	355	**Unit or Basis for Measurement Code** **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.**	O	ID	2/2	Used
	1018	**Exponent** **Description:** Power to which a unit is raised	O	R	1/15	Used
	649	**Multiplier** **Description:** Value to be used as a multiplier to obtain a new value	O	R	1/10	Used
MEA05	740	**Range Minimum** **Description:** The value specifying the minimum of the measurement range	X	R	1/20	Used
MEA06	741	**Range Maximum** **Description:** The value specifying the maximum of the measurement range	X	R	1/20	Used
MEA07	935	**Measurement Significance Code** **Description:** Code used to benchmark, qualify or further define a measurement value **All valid standard codes are used.**	O	ID	2/2	Used
MEA08	936	**Measurement Attribute Code** **Description:** Code used to express an attribute response when a numeric measurement value cannot be determined **All valid standard codes are used.**	X	ID	2/2	Used
MEA09	752	**Surface/Layer/Position Code** **Description:** Code indicating the product surface, layer or position that is being described **All valid standard codes are used.**	O	ID	2/2	Used
MEA10	1373	**Measurement Method or Device** **Description:** The method or device used to record the measurement **All valid standard codes are used.**	O	ID	2/4	Used

Syntax:

1. R03050608 - At least one of MEA03,MEA05,MEA06,MEA08 is required
2. C0504 - If MEA05 is present, then all of MEA04 are required
3. C0604 - If MEA06 is present, then all of MEA04 are required
4. L07030506 - If MEA07 is present, then at least one of MEA03,MEA05,MEA06 is required
5. E0803 - Only one of MEA08,MEA03 may be presented

Semantics:

1. MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

Comments:

1. When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

M7 Seal Numbers

Pos: 210 **Max: 2**
Heading - Optional
Loop: 0200 **Elements: 5**

User Option (Usage): Used

To record seal numbers used and the organization that applied the seals

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
M701	225	**Seal Number** **Description:** Unique number on seal used to close a shipment	M	AN	2/15	Must use
M702	225	**Seal Number** **Description:** Unique number on seal used to close a shipment	O	AN	2/15	Used
M703	225	**Seal Number** **Description:** Unique number on seal used to close a shipment	O	AN	2/15	Used
M704	225	**Seal Number** **Description:** Unique number on seal used to close a shipment	O	AN	2/15	Used
M705	98	**Entity Identifier Code** **Description:** Code identifying an organizational entity, a physical location, property or an individual **All valid standard codes are used.**	O	ID	2/3	Used

Comments:

1. M705 indicates the name of the organization which applied the seal(s).

Loop 0300

Pos: 010 **Repeat: 999**
Mandatory
Loop: 0300 **Elements: N/A**

To specify stop-off detail reference numbers and stop reason

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	S5	Stop Off Details	M	1		Must use
020	L11	Business Instructions and Reference Number	O	50		Used
030	G62	Date/Time	O	2		Used
040	AT8	Shipment Weight, Packaging and Quantity Data	O	1		Used
050	LAD	Lading Detail	O	999		Used
060	AT5	Bill of Lading Handling Requirements	O	6		Used
063	PLD	Pallet Information	O	1		Used
065	NTE	Note/Special Instruction	O	20		Used
070		Loop 0310	O		1	Used
130		Loop 0320	O		99	Used
150		Loop 0350	O		999	Used
210		Loop 0380	O		10	Used

S5 Stop Off Details

Pos: 010	Max: 1
Detail - Mandatory	
Loop: 0300	Elements: 11

User Option (Usage): Must use

To specify stop-off detail reference numbers and stop reason

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
S501	165	**Stop Sequence Number** **Description:** Identifying number for the specific stop and the sequence in which the stop is to be performed	M	N0	1/3	Must use
S502	163	**Stop Reason Code** **Description:** Code specifying the reason for the stop **All valid standard codes are used.**	M	ID	2/2	Must use
S503	81	**Weight** **Description:** Numeric value of weight	X	R	1/10	Used
S504	188	**Weight Unit Code** **Description:** Code specifying the weight unit **All valid standard codes are used.**	X	ID	1/1	Used
S505	382	**Number of Units Shipped** **Description:** Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	X	R	1/10	Used
S506	355	**Unit or Basis for Measurement Code** **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.**	X	ID	2/2	Used
S507	183	**Volume** **Description:** Value of volumetric measure	X	R	1/8	Used
S508	184	**Volume Unit Qualifier** **Description:** Code identifying the volume unit **All valid standard codes are used.**	X	ID	1/1	Used
S509	352	**Description** **Description:** A free-form description to clarify the related data elements and their content	O	AN	1/80	Used
S510	154	**Standard Point Location Code** **Description:** Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	O	ID	6/9	Used
S511	190	**Accomplish Code** **Description:** Code indicating the status of a specified stop **All valid standard codes are used.**	O	ID	1/1	Used

Syntax:

1. P0304 - If either S503,S504 is present, then all are required
2. P0506 - If either S505,S506 is present, then all are required

3. P0708 - If either S507,S508 is present, then all are required

Semantics:

1. S509 is the stop reason description.

L11 Business Instructions and Reference Number

Pos: 020 **Max: 50**
Detail - Optional
Loop: 0300 **Elements: 3**

User Option (Usage): Used

To specify instructions in this business relationship or a reference number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L1101	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
L1102	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **All valid standard codes are used.**	X	ID	2/3	Used
L1103	352	**Description** **Description:** A free-form description to clarify the related data elements and their content	X	AN	1/80	Used

Syntax:

1. R0103 - At least one of L1101,L1103 is required
2. P0102 - If either L1101,L1102 is present, then all are required

G62 Date/Time

Pos: 030 **Max: 2**
Detail - Optional
Loop: 0300 **Elements: 5**

User Option (Usage): Used

To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6201	432	**Date Qualifier** **Description:** Code specifying type of date **All valid standard codes are used.**	X	ID	2/2	Used
G6202	373	**Date** **Description:** Date expressed as CCYYMMDD	X	DT	8/8	Used
G6203	176	**Time Qualifier** **Description:** Code specifying the reported time **All valid standard codes are used.**	X	ID	1/2	Used
G6204	337	**Time** **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)	X	TM	4/8	Used
G6205	623	**Time Code** **Description:** Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow **All valid standard codes are used.**	O	ID	2/2	Used

Syntax:

1. R0103 - At least one of G6201,G6203 is required
2. P0102 - If either G6201,G6202 is present, then all are required
3. P0304 - If either G6203,G6204 is present, then all are required

AT8 Shipment Weight, Packaging and Quantity Data

Pos: 040 **Max: 1**
Detail - Optional
Loop: 0300 **Elements: 7**

User Option (Usage): Used

To specify shipment details in terms of weight, and quantity of handling units

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT801	187	**Weight Qualifier** **Description:** Code defining the type of weight **All valid standard codes are used.**	X	ID	1/2	Used
AT802	188	**Weight Unit Code** **Description:** Code specifying the weight unit **All valid standard codes are used.**	X	ID	1/1	Used
AT803	81	**Weight** **Description:** Numeric value of weight	X	R	1/10	Used
AT804	80	**Lading Quantity** **Description:** Number of units (pieces) of the lading commodity	O	N0	1/7	Used
AT805	80	**Lading Quantity** **Description:** Number of units (pieces) of the lading commodity	O	N0	1/7	Used
AT806	184	**Volume Unit Qualifier** **Description:** Code identifying the volume unit **All valid standard codes are used.**	X	ID	1/1	Used
AT807	183	**Volume** **Description:** Value of volumetric measure	X	R	1/8	Used

Syntax:

1. P010203 - If either AT801,AT802,AT803 is present, then all are required
2. P0607 - If either AT806,AT807 is present, then all are required

Semantics:

1. AT804 is the quantity of handling units that are not unitized (for example a carton). When added to the quantity in AT805, it is the total quantity of handling units in the shipment.
2. AT805 is the quantity of handling units that are unitized (for example on a pallet or slip sheet). When added to the quantity in AT804 it is the total quantity of handling units for the shipment.

LAD Lading Detail

Pos: 050	Max: 999
Detail - Optional	
Loop: 0300	Elements: 13

User Option (Usage): Used

To transmit detailed lading data pertinent to a pickup or delivery

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LAD01	211	**Packaging Form Code** **Description:** Code for packaging form of the lading quantity **All valid standard codes are used.**	X	ID	3/3	Used
LAD02	80	**Lading Quantity** **Description:** Number of units (pieces) of the lading commodity	X	N0	1/7	Used
LAD03	188	**Weight Unit Code** **Description:** Code specifying the weight unit **All valid standard codes are used.**	X	ID	1/1	Used
LAD04	395	**Unit Weight** **Description:** Numeric value of weight per unit	X	R	1/8	Used
LAD05	188	**Weight Unit Code** **Description:** Code specifying the weight unit **All valid standard codes are used.**	X	ID	1/1	Used
LAD06	81	**Weight** **Description:** Numeric value of weight	X	R	1/10	Used
LAD07	235	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) **All valid standard codes are used.**	X	ID	2/2	Used
LAD08	234	**Product/Service ID** **Description:** Identifying number for a product or service	X	AN	1/48	Used
LAD09	235	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) **All valid standard codes are used.**	X	ID	2/2	Used
LAD10	234	**Product/Service ID** **Description:** Identifying number for a product or service	X	AN	1/48	Used
LAD11	235	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) **All valid standard codes are used.**	X	ID	2/2	Used
LAD12	234	**Product/Service ID** **Description:** Identifying number for a product or service	X	AN	1/48	Used
LAD13	79	**Lading Description** **Description:** Description of an item as	O	AN	1/50	Used

required for rating and billing purposes

Syntax:

1. P0102 - If either LAD01,LAD02 is present, then all are required
2. P0304 - If either LAD03,LAD04 is present, then all are required
3. P0506 - If either LAD05,LAD06 is present, then all are required
4. P0708 - If either LAD07,LAD08 is present, then all are required
5. P0910 - If either LAD09,LAD10 is present, then all are required
6. P1112 - If either LAD11,LAD12 is present, then all are required

AT5 Bill of Lading Handling Requirements

Pos: 060 **Max: 6**
Detail - Optional
Loop: 0300 **Elements: 3**

User Option (Usage): Used

To identify Bill of Lading handling and service requirements

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT501	152	**Special Handling Code** **Description:** Code specifying special transportation handling instructions **All valid standard codes are used.**	X	ID	2/3	Used
AT502	560	**Special Services Code** **Description:** Code identifying the special service **All valid standard codes are used.**	X	ID	2/10	Used
AT503	153	**Special Handling Description** **Description:** Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate	X	AN	2/30	Used

Syntax:

1. E0103 - Only one of AT501,AT503 may be presented
2. E0203 - Only one of AT502,AT503 may be presented

PLD Pallet Information

Pos: 063 **Max: 1**
Detail - Optional
Loop: 0300 **Elements: 4**

User Option (Usage): Used

To specify pallet information including quantity, exchange, and weight

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PLD01	406	**Quantity of Pallets Shipped** **Description:** Number of pallets shipped	M	N0	1/3	Must use
PLD02	399	**Pallet Exchange Code** **Description:** Code specifying pallet exchange instructions **All valid standard codes are used.**	O	ID	1/1	Used
PLD03	188	**Weight Unit Code** **Description:** Code specifying the weight unit **All valid standard codes are used.**	X	ID	1/1	Used
PLD04	81	**Weight** **Description:** Numeric value of weight	X	R	1/10	Used

Syntax:

1. P0304 - If either PLD03,PLD04 is present, then all are required

NTE Note/Special Instruction

Pos: 065	Max: 20
Detail - Optional	
Loop: 0300	Elements: 2

User Option (Usage): Used

To transmit information in a free-form format, if necessary, for comment or special instruction

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NTE01	363	**Note Reference Code** **Description:** Code identifying the functional area or purpose for which the note applies **All valid standard codes are used.**	O	ID	3/3	Used
NTE02	352	**Description** **Description:** A free-form description to clarify the related data elements and their content	M	AN	1/80	Must use

Comments:

1. The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Loop 0310

Pos: 070	Repeat: 1
Optional	
Loop: 0310	Elements: N/A

To identify a party by type of organization, name, and code

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
070	N1	Name	O	1		Used
080	N2	Additional Name Information	O	1		Used
090	N3	Address Information	O	2		Used
100	N4	Geographic Location	O	1		Used
120	G61	Contact	O	3		Used

N1 Name

Pos: 070 **Max: 1**
Detail - Optional
Loop: 0310 **Elements: 6**

User Option (Usage): Used

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** **Description:** Code identifying an organizational entity, a physical location, property or an individual **All valid standard codes are used.**	M	ID	2/3	Must use
N102	93	**Name** **Description:** Free-form name	X	AN	1/60	Used
N103	66	**Identification Code Qualifier** **Description:** Code designating the system/method of code structure used for Identification Code (67) **All valid standard codes are used.**	X	ID	1/2	Used
N104	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/80	Used
N105	706	**Entity Relationship Code** **Description:** Code describing entity relationship **All valid standard codes are used.**	O	ID	2/2	Used
N106	98	**Entity Identifier Code** **Description:** Code identifying an organizational entity, a physical location, property or an individual **All valid standard codes are used.**	O	ID	2/3	Used

Syntax:

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

N2 Additional Name Information

Pos: 080 **Max: 1**
Detail - Optional
Loop: 0310 **Elements: 2**

User Option (Usage): Used

To specify additional names or those longer than 35 characters in length

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N201	93	**Name** **Description:** Free-form name	M	AN	1/60	Must use
N202	93	**Name** **Description:** Free-form name	O	AN	1/60	Used

N3 Address Information

Pos: 090 **Max: 2**
Detail - Optional
Loop: 0310 **Elements: 2**

User Option (Usage): Used

To specify the location of the named party

Element Summary:

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

N4 Geographic Location

Pos: 100 **Max: 1**
Detail - Optional
Loop: 0310 **Elements: 6**

User Option (Usage): Used

To specify the geographic place of the named party

Element Summary:

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

Syntax:

1. C0605 - If N406 is present, then all of N405 are required

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

G61 Contact

Pos: 120	Max: 3
Detail - Optional	
Loop: 0310	Elements: 5

User Option (Usage): Used

To identify a person or office to whom communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6101	366	**Contact Function Code** **Description:** Code identifying the major duty or responsibility of the person or group named **All valid standard codes are used.**	M	ID	2/2	Must use
G6102	93	**Name** **Description:** Free-form name	M	AN	1/60	Must use
G6103	365	**Communication Number Qualifier** **Description:** Code identifying the type of communication number **All valid standard codes are used.**	X	ID	2/2	Used
G6104	364	**Communication Number** **Description:** Complete communications number including country or area code when applicable	X	AN	1/80	Used
G6105	443	**Contact Inquiry Reference** **Description:** Additional reference number or description to clarify a contact number	O	AN	1/20	Used

Syntax:

1. P0304 - If either G6103,G6104 is present, then all are required

Comments:

1. G6103 qualifies G6104.

Loop 0320

Pos: 130	Repeat: 99
Optional	
Loop: 0320	Elements: N/A

To specify the line item in terms of description, quantity, packaging, and marks and numbers

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
130	L5	Description, Marks and Numbers	O	1		Used
135	AT8	Shipment Weight, Packaging and Quantity Data	O	1		Used
140		Loop 0325	O		99	Used

L5 Description, Marks and Numbers

Pos: 130	Max: 1
Detail - Optional	
Loop: 0320	Elements: 10

User Option (Usage): Used

To specify the line item in terms of description, quantity, packaging, and marks and numbers

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L501	213	**Lading Line Item Number** **Description:** Sequential line number for a lading item	O	N0	1/3	Used
L502	79	**Lading Description** **Description:** Description of an item as required for rating and billing purposes	O	AN	1/50	Used
L503	22	**Commodity Code** **Description:** Code describing a commodity or group of commodities	X	AN	1/30	Used
L504	23	**Commodity Code Qualifier** **Description:** Code identifying the commodity coding system used for Commodity Code **All valid standard codes are used.**	X	ID	1/1	Used
L505	103	**Packaging Code** **Description:** Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required **All valid standard codes are used.**	O	AN	3/5	Used
L506	87	**Marks and Numbers** **Description:** Marks and numbers used to identify a shipment or parts of a shipment	X	AN	1/48	Used
L507	88	**Marks and Numbers Qualifier** **Description:** Code specifying the application or source of Marks and Numbers (87) **All valid standard codes are used.**	O	ID	1/2	Used
L508	23	**Commodity Code Qualifier** **Description:** Code identifying the commodity coding system used for Commodity Code **All valid standard codes are used.**	X	ID	1/1	Used
L509	22	**Commodity Code** **Description:** Code describing a commodity or group of commodities	X	AN	1/30	Used
L510	595	**Compartment ID Code** **Description:** Code identifying the compartment in a compartmentalized tank car **All valid standard codes are used.**	O	ID	1/1	Used

Syntax:

1. P0304 - If either L503,L504 is present, then all are required
2. C0706 - If L507 is present, then all of L506 are required
3. P0809 - If either L508,L509 is present, then all are required

Comments:

1. L502 may be used to send quantity information as part of the product description.

AT8 Shipment Weight, Packaging and Quantity Data

Pos: 135 **Max: 1**
Detail - Optional
Loop: 0320 **Elements: 7**

User Option (Usage): Used

To specify shipment details in terms of weight, and quantity of handling units

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT801	187	**Weight Qualifier** **Description:** Code defining the type of weight **All valid standard codes are used.**	X	ID	1/2	Used
AT802	188	**Weight Unit Code** **Description:** Code specifying the weight unit **All valid standard codes are used.**	X	ID	1/1	Used
AT803	81	**Weight** **Description:** Numeric value of weight	X	R	1/10	Used
AT804	80	**Lading Quantity** **Description:** Number of units (pieces) of the lading commodity	O	N0	1/7	Used
AT805	80	**Lading Quantity** **Description:** Number of units (pieces) of the lading commodity	O	N0	1/7	Used
AT806	184	**Volume Unit Qualifier** **Description:** Code identifying the volume unit **All valid standard codes are used.**	X	ID	1/1	Used
AT807	183	**Volume** **Description:** Value of volumetric measure	X	R	1/8	Used

Syntax:

1. P010203 - If either AT801,AT802,AT803 is present, then all are required
2. P0607 - If either AT806,AT807 is present, then all are required

Semantics:

1. AT804 is the quantity of handling units that are not unitized (for example a carton). When added to the quantity in AT805, it is the total quantity of handling units in the shipment.
2. AT805 is the quantity of handling units that are unitized (for example on a pallet or slip sheet). When added to the quantity in AT804 it is the total quantity of handling units for the shipment.

Loop 0325

Pos: 140	Repeat: 99
Optional	
Loop: 0325	Elements: N/A

To identify a person or office to whom communications should be directed

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
140	G61	Contact	O	1		Used
141	L11	Business Instructions and Reference Number	O	5		Used
142	LH6	Hazardous Certification	O	6		Used
143		Loop 0330	O		25	Used

G61 Contact

Pos: 140 **Max: 1**
Detail - Optional
Loop: 0325 **Elements: 5**

User Option (Usage): Used

To identify a person or office to whom communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6101	366	**Contact Function Code** **Description:** Code identifying the major duty or responsibility of the person or group named **All valid standard codes are used.**	M	ID	2/2	Must use
G6102	93	**Name** **Description:** Free-form name	M	AN	1/60	Must use
G6103	365	**Communication Number Qualifier** **Description:** Code identifying the type of communication number **All valid standard codes are used.**	X	ID	2/2	Used
G6104	364	**Communication Number** **Description:** Complete communications number including country or area code when applicable	X	AN	1/80	Used
G6105	443	**Contact Inquiry Reference** **Description:** Additional reference number or description to clarify a contact number	O	AN	1/20	Used

Syntax:

1. P0304 - If either G6103,G6104 is present, then all are required

Comments:

1. G6103 qualifies G6104.

L11 Business Instructions and Reference Number

Pos: 141 **Max: 5**
Detail - Optional
Loop: 0325 **Elements: 3**

User Option (Usage): Used

To specify instructions in this business relationship or a reference number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L1101	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
L1102	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **All valid standard codes are used.**	X	ID	2/3	Used
L1103	352	**Description** **Description:** A free-form description to clarify the related data elements and their content	X	AN	1/80	Used

Syntax:

1. R0103 - At least one of L1101,L1103 is required
2. P0102 - If either L1101,L1102 is present, then all are required

LH6 Hazardous Certification

Pos: 142	Max: 6
Detail - Optional	
Loop: 0325	Elements: 4

User Option (Usage): Used

To specify the name of the person certifying that the shipment complies with the regulations and/or the actual certification

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH601	93	**Name** **Description:** Free-form name	O	AN	1/60	Used
LH602	272	**Hazardous Certification Code** **Description:** Code indicating the form of the hazardous certification **All valid standard codes are used.**	X	ID	1/1	Used
LH603	273	**Hazardous Certification Declaration** **Description:** Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations	X	AN	1/25	Used
LH604	273	**Hazardous Certification Declaration** **Description:** Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations	O	AN	1/25	Used

Syntax:

1. P0203 - If either LH602,LH603 is present, then all are required

Loop 0330

Pos: 143	Repeat: 25
Optional	
Loop: 0330	Elements: N/A

To specify the hazardous commodity identification reference number and quantity

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
143	LH1	Hazardous Identification Information	O	1		Used
144	LH2	Hazardous Classification Information	O	4		Used
145	LH3	Hazardous Material Shipping Name	O	10		Used
146	LFH	Freeform Hazardous Material Information	O	20		Used
147	LEP	EPA Required Data	O	3		Used
148	LH4	Canadian Dangerous Requirements	O	1		Used
149	LHT	Transborder Hazardous Requirements	O	3		Used

LH1 Hazardous Identification Information

Pos: 143	Max: 1
Detail - Optional	
Loop: 0330	Elements: 11

User Option (Usage): Used

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** **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.**	M	ID	2/2	Must use
LH102	80	**Lading Quantity** **Description:** Number of units (pieces) of the lading commodity	M	N0	1/7	Must use
LH103	277	**UN/NA Identification Code** **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	O	ID	6/6	Used
LH104	200	**Hazardous Materials Page** **Description:** The United Nations page number as required for the international transport of hazardous materials	O	AN	1/6	Used
LH105	22	**Commodity Code** **Description:** Code describing a commodity or group of commodities	O	AN	1/30	Used
LH106	355	**Unit or Basis for Measurement Code** **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.**	O	ID	2/2	Used
LH107	380	**Quantity** **Description:** Numeric value of quantity	O	R	1/15	Used
LH108	595	**Compartment ID Code** **Description:** Code identifying the compartment in a compartmentalized tank car **All valid standard codes are used.**	O	ID	1/1	Used
LH109	665	**Residue Indicator Code** **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.**	O	ID	1/1	Used
LH110	254	**Packing Group Code** **Description:** Code indicating degree of danger in terms of Roman number I, II or III	O	ID	1/3	Used
LH111	1375	**Interim Hazardous Material Regulatory Number** **Description:** Identifies the current regulatory	O	AN	1/5	Used

version number used for hazardous materials shipments

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 nonbulk shipments only.
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: 144 **Max: 4**
Detail - Optional
Loop: 0330 **Elements: 11**

User Option (Usage): Used

To specify the hazardous notation and endorsement information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH201	215	**Hazardous Classification** **Description:** The hazardous classification corresponding to the shipping name of the hazardous commodity	O	ID	1/30	Used
LH202	983	**Hazardous Class Qualifier** **Description:** Code qualifying hazardous class **All valid standard codes are used.**	O	ID	1/1	Used
LH203	218	**Hazardous Placard Notation** **Description:** The placard notation corresponding to the hazard class of the hazardous commodity	O	ID	14/40	Used
LH204	222	**Hazardous Endorsement** **Description:** The placard endorsement that is to be shown on the shipping papers for the hazardous commodity	O	ID	4/25	Used
LH205	759	**Reportable Quantity Code** **Description:** Code to identify presence of hazardous substance **All valid standard codes are used.**	O	ID	2/2	Used
LH206	355	**Unit or Basis for Measurement Code** **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.**	X	ID	2/2	Used
LH207	408	**Temperature** **Description:** Temperature	X	R	1/4	Used
LH208	355	**Unit or Basis for Measurement Code** **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.**	X	ID	2/2	Used
LH209	408	**Temperature** **Description:** Temperature	X	R	1/4	Used
LH210	355	**Unit or Basis for Measurement Code** **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.**	X	ID	2/2	Used
LH211	408	**Temperature** **Description:** Temperature	X	R	1/4	Used

Syntax:

1. P0607 - If either LH206,LH207 is present, then all are required

2. P0809 - If either LH208,LH209 is present, then all are required
3. P1011 - If either LH210,LH211 is present, then all are 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.

LH3 Hazardous Material Shipping Name

Pos: 145 **Max: 10**
Detail - Optional
Loop: 0330 **Elements: 4**

User Option (Usage): Used

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** **Description:** The proper shipping name of the hazardous commodity as specified by the Code of Federal Regulations, Title 49	X	AN	1/25	Used
LH302	984	**Hazardous Material Shipping Name Qualifier** **Description:** Qualifier indicating the source (regulatory) of the proper shipping name **All valid standard codes are used.**	X	ID	1/1	Used
LH303	985	**N.O.S. Indicator Code** **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.**	O	ID	3/3	Used
LH304	1073	**Yes/No Condition or Response Code** **Description:** Code indicating a Yes or No condition or response **All valid standard codes are used.**	O	ID	1/1	Used

Syntax:

1. P0102 - If either LH301,LH302 is present, then all are 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 Freeform Hazardous Material Information

Pos: 146 **Max: 20**
Detail - Optional
Loop: 0330 **Elements: 7**

User Option (Usage): Used

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** **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.**	M	ID	3/3	Must use
LFH02	809	**Hazardous Material Shipment Information** **Description:** Specific information required by law for hazardous material shipments	M	AN	1/25	Must use
LFH03	809	**Hazardous Material Shipment Information** **Description:** Specific information required by law for hazardous material shipments	O	AN	1/25	Used
LFH04	1023	**Hazard Zone Code** **Description:** Code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone **All valid standard codes are used.**	O	ID	1/1	Used
LFH05	355	**Unit or Basis for Measurement Code** **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.**	X	ID	2/2	Used
LFH06	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
LFH07	380	**Quantity** **Description:** Numeric value of quantity	O	R	1/15	Used

Syntax:

1. P0506 - If either LFH05,LFH06 is present, then all are required

Semantics:

1. LFH06 indicates activity of the radioactive material.
2. LFH07 indicates transport index of the radioactive material.

LEP EPA Required Data

Pos: 147 **Max: 3**
Detail - Optional
Loop: 0330 **Elements: 4**

User Option (Usage): Used

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** **Description:** Waste stream number applicable to the movement of hazardous waste as determined by government regulations	O	ID	4/6	Used
LEP02	807	**Waste Characteristics Code** **Description:** Waste characteristics as defined by regulatory requirements	O	ID	12/16	Used
LEP03	156	**State or Province Code** **Description:** Code (Standard State/Province) as defined by appropriate government agency	X	ID	2/2	Used
LEP04	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used

Syntax:

1. P0304 - If either LEP03,LEP04 is present, then all are 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

Pos: 148 **Max: 1**
Detail - Optional
Loop: 0330 **Elements: 12**

User Option (Usage): Used

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** **Description:** The identity number of a specific hazardous emergency response plan that is assigned by the Director General of Canada	O	AN	1/12	Used
LH402	364	**Communication Number** **Description:** Complete communications number including country or area code when applicable	O	AN	1/80	Used
LH403	254	**Packing Group Code** **Description:** Code indicating degree of danger in terms of Roman number I, II or III	O	ID	1/3	Used
LH404	230	**Subsidiary Classification** **Description:** Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers	O	ID	1/3	Used
LH405	230	**Subsidiary Classification** **Description:** Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers	O	ID	1/3	Used
LH406	230	**Subsidiary Classification** **Description:** Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers	O	ID	1/3	Used
LH407	271	**Subsidiary Risk Indicator** **Description:** Code identifying the type of subsidiary risk **All valid standard codes are used.**	O	ID	1/2	Used
LH408	267	**Net Explosive Quantity** **Description:** Net weight of the explosive quantity of the hazardous commodity	X	N0	1/6	Used
LH409	805	**Canadian Hazardous Notation** **Description:** Notation required by Canadian regulatory agencies	O	AN	1/25	Used
LH410	986	**Special Commodity Indicator Code** **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.**	O	ID	1/1	Used
LH411	364	**Communication Number**	O	AN	1/80	Used

		Description: Complete communications number including country or area code when applicable				
LH412	355	**Unit or Basis for Measurement Code** **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.**	X	ID	2/2	Used

Syntax:

1. P0812 - If either LH408,LH412 is present, then all are 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: 149 **Max: 3**
Detail - Optional
Loop: 0330 **Elements: 3**

User Option (Usage): Used

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** **Description:** The hazardous classification corresponding to the shipping name of the hazardous commodity	O	ID	1/30	Used
LHT02	218	**Hazardous Placard Notation** **Description:** The placard notation corresponding to the hazard class of the hazardous commodity	O	ID	14/40	Used
LHT03	222	**Hazardous Endorsement** **Description:** The placard endorsement that is to be shown on the shipping papers for the hazardous commodity	O	ID	4/25	Used

Loop 0350

Pos: 150	Repeat: 999
Optional	
Loop: 0350	Elements: N/A

To specify order identification detail

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
150	OID	Order Identification Detail	O	1		Used
160	G62	Date/Time	O	2		Used
180	LAD	Lading Detail	O	999		Used
190		Loop 0360	O		99	Used

OID Order Identification Detail

Pos: 150 **Max: 1**
Detail - Optional
Loop: 0350 **Elements: 9**

User Option (Usage): Used

To specify order identification detail

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
OID01	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
OID02	324	**Purchase Order Number** **Description:** Identifying number for Purchase Order assigned by the orderer/purchaser	X	AN	1/22	Used
OID03	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	AN	1/30	Used
OID04	355	**Unit or Basis for Measurement Code** **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.**	X	ID	2/2	Used
OID05	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
OID06	188	**Weight Unit Code** **Description:** Code specifying the weight unit **All valid standard codes are used.**	X	ID	1/1	Used
OID07	81	**Weight** **Description:** Numeric value of weight	X	R	1/10	Used
OID08	184	**Volume Unit Qualifier** **Description:** Code identifying the volume unit **All valid standard codes are used.**	X	ID	1/1	Used
OID09	183	**Volume** **Description:** Value of volumetric measure	X	R	1/8	Used

Syntax:

1. R0102 - At least one of OID01,OID02 is required
2. C0302 - If OID03 is present, then all of OID02 are required
3. P0405 - If either OID04,OID05 is present, then all are required
4. P0607 - If either OID06,OID07 is present, then all are required
5. P0809 - If either OID08,OID09 is present, then all are required

Semantics:

1. OID01 is the seller's order identification number.
2. OID03 is the number assigned by the consignee to further define the purchase order number.

G62 Date/Time

Pos: 160 **Max: 2**
Detail - Optional
Loop: 0350 **Elements: 5**

User Option (Usage): Used

To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6201	432	**Date Qualifier** **Description:** Code specifying type of date **All valid standard codes are used.**	X	ID	2/2	Used
G6202	373	**Date** **Description:** Date expressed as CCYYMMDD	X	DT	8/8	Used
G6203	176	**Time Qualifier** **Description:** Code specifying the reported time **All valid standard codes are used.**	X	ID	1/2	Used
G6204	337	**Time** **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)	X	TM	4/8	Used
G6205	623	**Time Code** **Description:** Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow **All valid standard codes are used.**	O	ID	2/2	Used

Syntax:

1. R0103 - At least one of G6201,G6203 is required
2. P0102 - If either G6201,G6202 is present, then all are required
3. P0304 - If either G6203,G6204 is present, then all are required

LAD Lading Detail

Pos: 180 **Max: 999**
Detail - Optional
Loop: 0350 **Elements: 13**

User Option (Usage): Used

To transmit detailed lading data pertinent to a pickup or delivery

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LAD01	211	**Packaging Form Code** **Description:** Code for packaging form of the lading quantity **All valid standard codes are used.**	X	ID	3/3	Used
LAD02	80	**Lading Quantity** **Description:** Number of units (pieces) of the lading commodity	X	N0	1/7	Used
LAD03	188	**Weight Unit Code** **Description:** Code specifying the weight unit **All valid standard codes are used.**	X	ID	1/1	Used
LAD04	395	**Unit Weight** **Description:** Numeric value of weight per unit	X	R	1/8	Used
LAD05	188	**Weight Unit Code** **Description:** Code specifying the weight unit **All valid standard codes are used.**	X	ID	1/1	Used
LAD06	81	**Weight** **Description:** Numeric value of weight	X	R	1/10	Used
LAD07	235	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) **All valid standard codes are used.**	X	ID	2/2	Used
LAD08	234	**Product/Service ID** **Description:** Identifying number for a product or service	X	AN	1/48	Used
LAD09	235	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) **All valid standard codes are used.**	X	ID	2/2	Used
LAD10	234	**Product/Service ID** **Description:** Identifying number for a product or service	X	AN	1/48	Used
LAD11	235	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) **All valid standard codes are used.**	X	ID	2/2	Used
LAD12	234	**Product/Service ID** **Description:** Identifying number for a product or service	X	AN	1/48	Used
LAD13	79	**Lading Description** **Description:** Description of an item as	O	AN	1/50	Used

required for rating and billing purposes

Syntax:

1. P0102 - If either LAD01,LAD02 is present, then all are required
2. P0304 - If either LAD03,LAD04 is present, then all are required
3. P0506 - If either LAD05,LAD06 is present, then all are required
4. P0708 - If either LAD07,LAD08 is present, then all are required
5. P0910 - If either LAD09,LAD10 is present, then all are required
6. P1112 - If either LAD11,LAD12 is present, then all are required

Loop 0360

Pos: 190	Repeat: 99
Optional	
Loop: 0360	Elements: N/A

To specify the line item in terms of description, quantity, packaging, and marks and numbers

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
190	L5	Description, Marks and Numbers	O	1		Used
195	AT8	Shipment Weight, Packaging and Quantity Data	O	1		Used
200		Loop 0365	O		99	Used

L5 Description, Marks and Numbers

Pos: 190	Max: 1
Detail - Optional	
Loop: 0360	Elements: 10

User Option (Usage): Used

To specify the line item in terms of description, quantity, packaging, and marks and numbers

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L501	213	**Lading Line Item Number** **Description:** Sequential line number for a lading item	O	N0	1/3	Used
L502	79	**Lading Description** **Description:** Description of an item as required for rating and billing purposes	O	AN	1/50	Used
L503	22	**Commodity Code** **Description:** Code describing a commodity or group of commodities	X	AN	1/30	Used
L504	23	**Commodity Code Qualifier** **Description:** Code identifying the commodity coding system used for Commodity Code **All valid standard codes are used.**	X	ID	1/1	Used
L505	103	**Packaging Code** **Description:** Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required **All valid standard codes are used.**	O	AN	3/5	Used
L506	87	**Marks and Numbers** **Description:** Marks and numbers used to identify a shipment or parts of a shipment	X	AN	1/48	Used
L507	88	**Marks and Numbers Qualifier** **Description:** Code specifying the application or source of Marks and Numbers (87) **All valid standard codes are used.**	O	ID	1/2	Used
L508	23	**Commodity Code Qualifier** **Description:** Code identifying the commodity coding system used for Commodity Code **All valid standard codes are used.**	X	ID	1/1	Used
L509	22	**Commodity Code** **Description:** Code describing a commodity or group of commodities	X	AN	1/30	Used
L510	595	**Compartment ID Code** **Description:** Code identifying the compartment in a compartmentalized tank car **All valid standard codes are used.**	O	ID	1/1	Used

Syntax:

1. P0304 - If either L503,L504 is present, then all are required
2. C0706 - If L507 is present, then all of L506 are required
3. P0809 - If either L508,L509 is present, then all are required

Comments:

1. L502 may be used to send quantity information as part of the product description.

AT8 Shipment Weight, Packaging and Quantity Data

Pos: 195 **Max: 1**
Detail - Optional
Loop: 0360 **Elements: 7**

User Option (Usage): Used

To specify shipment details in terms of weight, and quantity of handling units

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT801	187	**Weight Qualifier** **Description:** Code defining the type of weight **All valid standard codes are used.**	X	ID	1/2	Used
AT802	188	**Weight Unit Code** **Description:** Code specifying the weight unit **All valid standard codes are used.**	X	ID	1/1	Used
AT803	81	**Weight** **Description:** Numeric value of weight	X	R	1/10	Used
AT804	80	**Lading Quantity** **Description:** Number of units (pieces) of the lading commodity	O	N0	1/7	Used
AT805	80	**Lading Quantity** **Description:** Number of units (pieces) of the lading commodity	O	N0	1/7	Used
AT806	184	**Volume Unit Qualifier** **Description:** Code identifying the volume unit **All valid standard codes are used.**	X	ID	1/1	Used
AT807	183	**Volume** **Description:** Value of volumetric measure	X	R	1/8	Used

Syntax:

1. P010203 - If either AT801,AT802,AT803 is present, then all are required
2. P0607 - If either AT806,AT807 is present, then all are required

Semantics:

1. AT804 is the quantity of handling units that are not unitized (for example a carton). When added to the quantity in AT805, it is the total quantity of handling units in the shipment.
2. AT805 is the quantity of handling units that are unitized (for example on a pallet or slip sheet). When added to the quantity in AT804 it is the total quantity of handling units for the shipment.

Loop 0365

Pos: 200 **Repeat: 99**
Optional
Loop: 0365 **Elements: N/A**

To identify a person or office to whom communications should be directed

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
200	G61	Contact	O	1		Used
201	L11	Business Instructions and Reference Number	O	5		Used
202	LH6	Hazardous Certification	O	6		Used
203		Loop 0370	O		25	Used

G61 Contact

Pos: 200	Max: 1
Detail - Optional	
Loop: 0365	Elements: 5

User Option (Usage): Used

To identify a person or office to whom communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6101	366	**Contact Function Code** **Description:** Code identifying the major duty or responsibility of the person or group named **All valid standard codes are used.**	M	ID	2/2	Must use
G6102	93	**Name** **Description:** Free-form name	M	AN	1/60	Must use
G6103	365	**Communication Number Qualifier** **Description:** Code identifying the type of communication number **All valid standard codes are used.**	X	ID	2/2	Used
G6104	364	**Communication Number** **Description:** Complete communications number including country or area code when applicable	X	AN	1/80	Used
G6105	443	**Contact Inquiry Reference** **Description:** Additional reference number or description to clarify a contact number	O	AN	1/20	Used

Syntax:

1. P0304 - If either G6103,G6104 is present, then all are required

Comments:

1. G6103 qualifies G6104.

L11 Business Instructions and Reference Number

Pos: 201 **Max: 5**
Detail - Optional
Loop: 0365 **Elements: 3**

User Option (Usage): Used

To specify instructions in this business relationship or a reference number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L1101	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
L1102	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **All valid standard codes are used.**	X	ID	2/3	Used
L1103	352	**Description** **Description:** A free-form description to clarify the related data elements and their content	X	AN	1/80	Used

Syntax:

1. R0103 - At least one of L1101,L1103 is required
2. P0102 - If either L1101,L1102 is present, then all are required

LH6 Hazardous Certification

Pos: 202	Max: 6
Detail - Optional	
Loop: 0365	Elements: 4

User Option (Usage): Used

To specify the name of the person certifying that the shipment complies with the regulations and/or the actual certification

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH601	93	**Name** **Description:** Free-form name	O	AN	1/60	Used
LH602	272	**Hazardous Certification Code** **Description:** Code indicating the form of the hazardous certification **All valid standard codes are used.**	X	ID	1/1	Used
LH603	273	**Hazardous Certification Declaration** **Description:** Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations	X	AN	1/25	Used
LH604	273	**Hazardous Certification Declaration** **Description:** Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations	O	AN	1/25	Used

Syntax:

1. P0203 - If either LH602,LH603 is present, then all are required

Loop 0370

Pos: 203	Repeat: 25
Optional	
Loop: 0370	Elements: N/A

To specify the hazardous commodity identification reference number and quantity

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
203	LH1	Hazardous Identification Information	O	1		Used
204	LH2	Hazardous Classification Information	O	4		Used
205	LH3	Hazardous Material Shipping Name	O	10		Used
206	LFH	Freeform Hazardous Material Information	O	20		Used
207	LEP	EPA Required Data	O	3		Used
208	LH4	Canadian Dangerous Requirements	O	1		Used
209	LHT	Transborder Hazardous Requirements	O	3		Used

LH1 Hazardous Identification Information

Pos: 203 **Max: 1**
Detail - Optional
Loop: 0370 **Elements: 11**

User Option (Usage): Used

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** **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.**	M	ID	2/2	Must use
LH102	80	**Lading Quantity** **Description:** Number of units (pieces) of the lading commodity	M	N0	1/7	Must use
LH103	277	**UN/NA Identification Code** **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	O	ID	6/6	Used
LH104	200	**Hazardous Materials Page** **Description:** The United Nations page number as required for the international transport of hazardous materials	O	AN	1/6	Used
LH105	22	**Commodity Code** **Description:** Code describing a commodity or group of commodities	O	AN	1/30	Used
LH106	355	**Unit or Basis for Measurement Code** **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.**	O	ID	2/2	Used
LH107	380	**Quantity** **Description:** Numeric value of quantity	O	R	1/15	Used
LH108	595	**Compartment ID Code** **Description:** Code identifying the compartment in a compartmentalized tank car **All valid standard codes are used.**	O	ID	1/1	Used
LH109	665	**Residue Indicator Code** **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.**	O	ID	1/1	Used
LH110	254	**Packing Group Code** **Description:** Code indicating degree of danger in terms of Roman number I, II or III	O	ID	1/3	Used
LH111	1375	**Interim Hazardous Material Regulatory Number** **Description:** Identifies the current regulatory	O	AN	1/5	Used

version number used for hazardous materials shipments

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 nonbulk shipments only.
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: 204 **Max: 4**
Detail - Optional
Loop: 0370 **Elements: 11**

User Option (Usage): Used

To specify the hazardous notation and endorsement information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH201	215	**Hazardous Classification** **Description:** The hazardous classification corresponding to the shipping name of the hazardous commodity	O	ID	1/30	Used
LH202	983	**Hazardous Class Qualifier** **Description:** Code qualifying hazardous class **All valid standard codes are used.**	O	ID	1/1	Used
LH203	218	**Hazardous Placard Notation** **Description:** The placard notation corresponding to the hazard class of the hazardous commodity	O	ID	14/40	Used
LH204	222	**Hazardous Endorsement** **Description:** The placard endorsement that is to be shown on the shipping papers for the hazardous commodity	O	ID	4/25	Used
LH205	759	**Reportable Quantity Code** **Description:** Code to identify presence of hazardous substance **All valid standard codes are used.**	O	ID	2/2	Used
LH206	355	**Unit or Basis for Measurement Code** **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.**	X	ID	2/2	Used
LH207	408	**Temperature** **Description:** Temperature	X	R	1/4	Used
LH208	355	**Unit or Basis for Measurement Code** **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.**	X	ID	2/2	Used
LH209	408	**Temperature** **Description:** Temperature	X	R	1/4	Used
LH210	355	**Unit or Basis for Measurement Code** **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.**	X	ID	2/2	Used
LH211	408	**Temperature** **Description:** Temperature	X	R	1/4	Used

Syntax:

1. P0607 - If either LH206,LH207 is present, then all are required

2. P0809 - If either LH208,LH209 is present, then all are required
3. P1011 - If either LH210,LH211 is present, then all are 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.

LH3 Hazardous Material Shipping Name

Pos: 205 **Max: 10**
Detail - Optional
Loop: 0370 **Elements: 4**

User Option (Usage): Used

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** **Description:** The proper shipping name of the hazardous commodity as specified by the Code of Federal Regulations, Title 49	X	AN	1/25	Used
LH302	984	**Hazardous Material Shipping Name Qualifier** **Description:** Qualifier indicating the source (regulatory) of the proper shipping name **All valid standard codes are used.**	X	ID	1/1	Used
LH303	985	**N.O.S. Indicator Code** **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.**	O	ID	3/3	Used
LH304	1073	**Yes/No Condition or Response Code** **Description:** Code indicating a Yes or No condition or response **All valid standard codes are used.**	O	ID	1/1	Used

Syntax:

1. P0102 - If either LH301,LH302 is present, then all are 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 Freeform Hazardous Material Information

Pos: 206 **Max: 20**
Detail - Optional
Loop: 0370 **Elements: 7**

User Option (Usage): Used

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** **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.**	M	ID	3/3	Must use
LFH02	809	**Hazardous Material Shipment Information** **Description:** Specific information required by law for hazardous material shipments	M	AN	1/25	Must use
LFH03	809	**Hazardous Material Shipment Information** **Description:** Specific information required by law for hazardous material shipments	O	AN	1/25	Used
LFH04	1023	**Hazard Zone Code** **Description:** Code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone **All valid standard codes are used.**	O	ID	1/1	Used
LFH05	355	**Unit or Basis for Measurement Code** **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.**	X	ID	2/2	Used
LFH06	380	**Quantity** **Description:** Numeric value of quantity	X	R	1/15	Used
LFH07	380	**Quantity** **Description:** Numeric value of quantity	O	R	1/15	Used

Syntax:

1. P0506 - If either LFH05,LFH06 is present, then all are required

Semantics:

1. LFH06 indicates activity of the radioactive material.
2. LFH07 indicates transport index of the radioactive material.

LEP EPA Required Data

Pos: 207 **Max: 3**
Detail - Optional
Loop: 0370 **Elements: 4**

User Option (Usage): Used

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** **Description:** Waste stream number applicable to the movement of hazardous waste as determined by government regulations	O	ID	4/6	Used
LEP02	807	**Waste Characteristics Code** **Description:** Waste characteristics as defined by regulatory requirements	O	ID	12/16	Used
LEP03	156	**State or Province Code** **Description:** Code (Standard State/Province) as defined by appropriate government agency	X	ID	2/2	Used
LEP04	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used

Syntax:

1. P0304 - If either LEP03,LEP04 is present, then all are 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

Pos: 208	Max: 1
Detail - Optional	
Loop: 0370	Elements: 12

User Option (Usage): Used

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** **Description:** The identity number of a specific hazardous emergency response plan that is assigned by the Director General of Canada	O	AN	1/12	Used
LH402	364	**Communication Number** **Description:** Complete communications number including country or area code when applicable	O	AN	1/80	Used
LH403	254	**Packing Group Code** **Description:** Code indicating degree of danger in terms of Roman number I, II or III	O	ID	1/3	Used
LH404	230	**Subsidiary Classification** **Description:** Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers	O	ID	1/3	Used
LH405	230	**Subsidiary Classification** **Description:** Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers	O	ID	1/3	Used
LH406	230	**Subsidiary Classification** **Description:** Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers	O	ID	1/3	Used
LH407	271	**Subsidiary Risk Indicator** **Description:** Code identifying the type of subsidiary risk **All valid standard codes are used.**	O	ID	1/2	Used
LH408	267	**Net Explosive Quantity** **Description:** Net weight of the explosive quantity of the hazardous commodity	X	N0	1/6	Used
LH409	805	**Canadian Hazardous Notation** **Description:** Notation required by Canadian regulatory agencies	O	AN	1/25	Used
LH410	986	**Special Commodity Indicator Code** **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.**	O	ID	1/1	Used
LH411	364	**Communication Number**	O	AN	1/80	Used

		Description: Complete communications number including country or area code when applicable				
LH412	355	**Unit or Basis for Measurement Code** **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.**	X	ID	2/2	Used

Syntax:

1. P0812 - If either LH408,LH412 is present, then all are 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: 209 **Max: 3**
Detail - Optional
Loop: 0370 **Elements: 3**

User Option (Usage): Used

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** **Description:** The hazardous classification corresponding to the shipping name of the hazardous commodity	O	ID	1/30	Used
LHT02	218	**Hazardous Placard Notation** **Description:** The placard notation corresponding to the hazard class of the hazardous commodity	O	ID	14/40	Used
LHT03	222	**Hazardous Endorsement** **Description:** The placard endorsement that is to be shown on the shipping papers for the hazardous commodity	O	ID	4/25	Used

Loop 0380

Pos: 210 **Repeat: 10**
Optional
Loop: 0380 **Elements: N/A**

To identify the equipment

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
210	N7	Equipment Details	O	1		Used
220	N7A	Accessorial Equipment Details	O	1		Used
230	N7B	Additional Equipment Details	O	1		Used
240	MEA	Measurements	O	1		Used
250	M7	Seal Numbers	O	2		Used

N7 Equipment Details

Pos: 210	Max: 1
Detail - Optional	
Loop: 0380	Elements: 24

User Option (Usage): Used

To identify the equipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N701	206	**Equipment Initial** **Description:** Prefix or alphabetic part of an equipment unit's identifying number	O	AN	1/4	Used
N702	207	**Equipment Number** **Description:** Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	M	AN	1/10	Must use
N703	81	**Weight** **Description:** Numeric value of weight	X	R	1/10	Used
N704	187	**Weight Qualifier** **Description:** Code defining the type of weight **All valid standard codes are used.**	X	ID	1/2	Used
N705	167	**Tare Weight** **Description:** Weight of the equipment	X	N0	3/8	Used
N706	232	**Weight Allowance** **Description:** Allowance made for increased weight due to such factors as snow	O	N0	2/6	Used
N707	205	**Dunnage** **Description:** Weight of material used to protect lading (even bracings, false floors, etc.)	O	N0	1/6	Used
N708	183	**Volume** **Description:** Value of volumetric measure	X	R	1/8	Used
N709	184	**Volume Unit Qualifier** **Description:** Code identifying the volume unit **All valid standard codes are used.**	X	ID	1/1	Used
N710	102	**Ownership Code** **Description:** Code indicating the relationship of equipment to carrier or ownership of equipment **All valid standard codes are used.**	O	ID	1/1	Used
N711	40	**Equipment Description Code** **Description:** Code identifying type of equipment used for shipment **All valid standard codes are used.**	O	ID	2/2	Used
N712	140	**Standard Carrier Alpha Code** **Description:** Standard Carrier Alpha Code	O	ID	2/4	Used
N713	319	**Temperature Control** **Description:** Free-form abbreviation of temperature range or flash-point temperature	O	AN	3/6	Used
N714	219	**Position**	O	AN	1/3	Used

		Description: Relative position of shipment in car, trailer, or container (mutually defined)				
N715	567	**Equipment Length** **Description:** Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)	O	N0	4/5	Used
N716	571	**Tare Qualifier Code** **Description:** Code identifying the type of tare **All valid standard codes are used.**	X	ID	1/1	Used
N717	188	**Weight Unit Code** **Description:** Code specifying the weight unit **All valid standard codes are used.**	O	ID	1/1	Used
N718	761	**Equipment Number Check Digit** **Description:** Number which designates the check digit applied to a piece of equipment	O	N0	1/1	Used
N719	56	**Type of Service Code** **Description:** Code specifying extent of transportation service requested **All valid standard codes are used.**	O	ID	2/2	Used
N720	65	**Height** **Description:** Vertical dimension of an object measured when the object is in the upright position	O	R	1/8	Used
N721	189	**Width** **Description:** Shorter measurement of the two horizontal dimensions measured with the object in the upright position	O	R	1/8	Used
N722	24	**Equipment Type** **Description:** Code identifying equipment type	O	ID	4/4	Used
N723	140	**Standard Carrier Alpha Code** **Description:** Standard Carrier Alpha Code	O	ID	2/4	Used
N724	301	**Car Type Code** **Description:** Code specifying type of rail car or intermodal equipment type and its general characteristics	O	ID	1/4	Used

Syntax:

1. P0304 - If either N703,N704 is present, then all are required
2. P0516 - If either N705,N716 is present, then all are required
3. P0809 - If either N708,N709 is present, then all are required

Semantics:

1. N712 is the owner of the equipment.
2. N723 is the operator or carrier of the rights of the equipment.

Comments:

1. N701 is mandatory for rail transactions.
2. N720 and N721 are expressed in inches.

N7A Accessorial Equipment Details

Pos: 220 **Max: 1**
Detail - Optional
Loop: 0380 **Elements: 9**

User Option (Usage): Used

To identify the accessorial equipment required to load or unload product

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N7A01	1042	**Load or Device Code** **Description:** Code identifying the device required to load or unload product **All valid standard codes are used.**	O	ID	2/2	Used
N7A02	82	**Length** **Description:** Largest horizontal dimension of an object measured when the object is in the upright position	O	R	1/8	Used
N7A03	1043	**Diameter** **Description:** Diameter of the object	O	R	1/2	Used
N7A04	1044	**Hose Type Code** **Description:** Code identifying the type of hose required for loading or unloading the product **All valid standard codes are used.**	O	ID	3/3	Used
N7A05	1043	**Diameter** **Description:** Diameter of the object	O	R	1/2	Used
N7A06	1043	**Diameter** **Description:** Diameter of the object	O	R	1/2	Used
N7A07	1045	**Inlet or Outlet Material Type Code** **Description:** Code indicating the type of material used in the construction of the inlet or outlet **All valid standard codes are used.**	O	ID	2/2	Used
N7A08	1046	**Inlet or Outlet Fitting Type Code** **Description:** Code indicating the type of fitting required to make the connection of the inlet or outlet **All valid standard codes are used.**	O	ID	2/2	Used
N7A09	1047	**Miscellaneous Equipment Code** **Description:** Code indicating the miscellaneous equipment required to load or unload a product **All valid standard codes are used.**	O	ID	2/2	Used

Semantics:

1. N7A02 is the length of the hose in feet.
2. N7A03 is the diameter of the hose in inches. The hose connects the trailer with the storage tank, etc.
3. N7A05 is the diameter of the outlet or inlet in inches.
4. N7A06 is the diameter of the hose in inches. This hose connects the trailer to an unloading device (pump, blower, etc.).

N7B Additional Equipment Details

Pos: 230 **Max: 1**
Detail - Optional
Loop: 0380 **Elements: 6**

User Option (Usage): Used

To identify additional equipment details

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N7B01	1024	**Number of Tank Compartments** **Description:** Number of compartments in a Tank Trailer	O	N0	1/2	Used
N7B02	1025	**Loading or Discharge Location Code** **Description:** Code indicating the location of the loading or discharge line connection used for loading or unloading product from a trailer or container **All valid standard codes are used.**	O	ID	1/1	Used
N7B03	1026	**Vessel Material Code** **Description:** Code indicating the material that is used in construction of the cargo tank vessel **All valid standard codes are used.**	O	ID	3/3	Used
N7B04	1030	**Gasket Type Code** **Description:** Code indicating the type of gaskets (used in the trailer valves and hoses) that are required to load or unload the product **All valid standard codes are used.**	O	ID	3/3	Used
N7B05	1031	**Trailer Lining Type Code** **Description:** Code indicating the type of trailer (vessel) lining required by the product **All valid standard codes are used.**	O	ID	3/3	Used
N7B06	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	AN	1/30	Used

Semantics:

1. N7B06 is the Department of Transportation or the Interstate Commerce Commission Motor Carrier Cargo Tank Specification.

Comments:

1. N7B06 may include but are not limited to MC300 through MC307, MC310 through MC312, MC330, MC331, MC338, DOT 406, DOT 407, and DOT 412.

MEA Measurements

Pos: 240	Max: 1
Detail - Optional	
Loop: 0380	Elements: 10

User Option (Usage): Used

To specify physical measurements or counts, including dimensions, tolerances, variances, and weights(See Figures Appendix for example of use of C001)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MEA01	737	**Measurement Reference ID Code** **Description:** Code identifying the broad category to which a measurement applies **All valid standard codes are used.**	O	ID	2/2	Used
MEA02	738	**Measurement Qualifier** **Description:** Code identifying a specific product or process characteristic to which a measurement applies **All valid standard codes are used.**	O	ID	1/3	Used
MEA03	739	**Measurement Value** **Description:** The value of the measurement	X	R	1/20	Used
MEA04	C001	**Composite Unit of Measure** **Description:** To identify a composite unit of measure(See Figures Appendix for examples of use)	X	Comp		Used
	355	**Unit or Basis for Measurement Code** **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.**	M	ID	2/2	Must use
	1018	**Exponent** **Description:** Power to which a unit is raised	O	R	1/15	Used
	649	**Multiplier** **Description:** Value to be used as a multiplier to obtain a new value	O	R	1/10	Used
	355	**Unit or Basis for Measurement Code** **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.**	O	ID	2/2	Used
	1018	**Exponent** **Description:** Power to which a unit is raised	O	R	1/15	Used
	649	**Multiplier** **Description:** Value to be used as a multiplier to obtain a new value	O	R	1/10	Used
	355	**Unit or Basis for Measurement Code** **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.**	O	ID	2/2	Used
	1018	**Exponent** **Description:** Power to which a unit is raised	O	R	1/15	Used
	649	**Multiplier**	O	R	1/10	Used

		Description: Value to be used as a multiplier to obtain a new value				
	355	**Unit or Basis for Measurement Code** **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.**	O	ID	2/2	Used
	1018	**Exponent** **Description:** Power to which a unit is raised	O	R	1/15	Used
	649	**Multiplier** **Description:** Value to be used as a multiplier to obtain a new value	O	R	1/10	Used
	355	**Unit or Basis for Measurement Code** **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.**	O	ID	2/2	Used
	1018	**Exponent** **Description:** Power to which a unit is raised	O	R	1/15	Used
	649	**Multiplier** **Description:** Value to be used as a multiplier to obtain a new value	O	R	1/10	Used
MEA05	740	**Range Minimum** **Description:** The value specifying the minimum of the measurement range	X	R	1/20	Used
MEA06	741	**Range Maximum** **Description:** The value specifying the maximum of the measurement range	X	R	1/20	Used
MEA07	935	**Measurement Significance Code** **Description:** Code used to benchmark, qualify or further define a measurement value **All valid standard codes are used.**	O	ID	2/2	Used
MEA08	936	**Measurement Attribute Code** **Description:** Code used to express an attribute response when a numeric measurement value cannot be determined **All valid standard codes are used.**	X	ID	2/2	Used
MEA09	752	**Surface/Layer/Position Code** **Description:** Code indicating the product surface, layer or position that is being described **All valid standard codes are used.**	O	ID	2/2	Used
MEA10	1373	**Measurement Method or Device** **Description:** The method or device used to record the measurement **All valid standard codes are used.**	O	ID	2/4	Used

Syntax:

1. R03050608 - At least one of MEA03,MEA05,MEA06,MEA08 is required
2. C0504 - If MEA05 is present, then all of MEA04 are required
3. C0604 - If MEA06 is present, then all of MEA04 are required
4. L07030506 - If MEA07 is present, then at least one of MEA03,MEA05,MEA06 is required
5. E0803 - Only one of MEA08,MEA03 may be presented

Semantics:

1. MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

Comments:

1. When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

M7 Seal Numbers

Pos: 250 **Max: 2**
Detail - Optional
Loop: 0380 **Elements: 5**

User Option (Usage): Used

To record seal numbers used and the organization that applied the seals

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
M701	225	**Seal Number** **Description:** Unique number on seal used to close a shipment	M	AN	2/15	Must use
M702	225	**Seal Number** **Description:** Unique number on seal used to close a shipment	O	AN	2/15	Used
M703	225	**Seal Number** **Description:** Unique number on seal used to close a shipment	O	AN	2/15	Used
M704	225	**Seal Number** **Description:** Unique number on seal used to close a shipment	O	AN	2/15	Used
M705	98	**Entity Identifier Code** **Description:** Code identifying an organizational entity, a physical location, property or an individual **All valid standard codes are used.**	O	ID	2/3	Used

Comments:

1. M705 indicates the name of the organization which applied the seal(s).

L3 Total Weight and Charges

Pos: 010	Max: 1
Summary - Optional	
Loop: N/A	Elements: 15

User Option (Usage): Used

To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L301	81	**Weight** **Description:** Numeric value of weight	X	R	1/10	Used
L302	187	**Weight Qualifier** **Description:** Code defining the type of weight **All valid standard codes are used.**	X	ID	1/2	Used
L303	60	**Freight Rate** **Description:** Rate that applies to the specific commodity	X	R	1/9	Used
L304	122	**Rate/Value Qualifier** **Description:** Code qualifying how to extend charges or interpret value **All valid standard codes are used.**	X	ID	2/2	Used
L305	58	**Charge** **Description:** For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	O	N2	1/12	Used
L306	191	**Advances** **Description:** Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified	O	N2	1/9	Used
L307	117	**Prepaid Amount** **Description:** Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified	O	N2	1/9	Used
L308	150	**Special Charge or Allowance Code** **Description:** Code identifying type of special charge or allowance **All valid standard codes are used.**	O	ID	3/3	Used
L309	183	**Volume** **Description:** Value of volumetric measure	X	R	1/8	Used
L310	184	**Volume Unit Qualifier** **Description:** Code identifying the volume unit **All valid standard codes are used.**	X	ID	1/1	Used
L311	80	**Lading Quantity** **Description:** Number of units (pieces) of the	O	N0	1/7	Used

		lading commodity				
L312	188	**Weight Unit Code** **Description:** Code specifying the weight unit **All valid standard codes are used.**	O	ID	1/1	Used
L313	171	**Tariff Number** **Description:** Standard tariff number for the tariff which governs the rates applied to the commodity item(s)	O	AN	1/7	Used
L314	74	**Declared Value** **Description:** Monetary assigned value expressed in the standard monetary denomination for the currency specified	X	N2	2/12	Used
L315	122	**Rate/Value Qualifier** **Description:** Code qualifying how to extend charges or interpret value **All valid standard codes are used.**	X	ID	2/2	Used

Syntax:

1. P0102 - If either L301,L302 is present, then all are required
2. P0304 - If either L303,L304 is present, then all are required
3. P0910 - If either L309,L310 is present, then all are required
4. C1201 - If L312 is present, then all of L301 are required
5. P1415 - If either L314,L315 is present, then all are required

Semantics:

1. L305 is the total charges.

SE Transaction Set Trailer

Pos: 020	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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** **Description:** Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must use
SE02	329	**Transaction Set Control Number** **Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

Comments:

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

GE Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To indicate the end of a functional group and to provide control information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GE01	97	**Number of Transaction Sets Included** **Description:** Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M	N0	1/6	Must use
GE02	28	**Group Control Number** **Description:** Assigned number originated and maintained by the sender	M	N0	1/9	Must use

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

IEA Interchange Control Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IEA01	I16	**Number of Included Functional Groups** **Description:** A count of the number of functional groups included in an interchange	M	N0	1/5	Must use
IEA02	I12	**Interchange Control Number** **Description:** A control number assigned by the interchange sender	M	N0	9/9	Must use