



204 Motor Carrier Load Tender

Functional Group ID=**SM**

Introduction:

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.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	B2	Beginning Segment for Shipment Information Transaction	M	1		
M	030	B2A	Set Purpose	M	1		
	080	L11	Business Instructions and Reference Number	O	50		
Must Use	090	G62	Date/Time	O	1		n1
	110	ATS	Bill of Lading Handling Requirements	O	6		
	130	NTE	Note/Special Instruction	O	10		
						LOOP ID - 0100	5
Must Use	140	N1	Name	O	1		n2
Must Use	160	N3	Address Information	O	2		
Must Use	170	N4	Geographic Location	O	1		
	190	G61	Contact	O	3		
						LOOP ID - 0200	10
	200	N7	Equipment Details	O	1		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
						LOOP ID - 0300	999
M	010	S5	Stop-off Details	M	1		
	020	L11	Business Instructions and Reference Number	O	50		
	030	G62	Date/Time	O	2		n3
	065	NTE	Note/Special Instruction	O	20		
						LOOP ID - 0310	1
	070	N1	Name	O	1		
	090	N3	Address Information	O	2		
	100	N4	Geographic Location	O	1		
	120	G61	Contact	O	3		
						LOOP ID - 0320	99
	130	L5	Description, Marks and Numbers	O	4		





135	AT8	Shipment Weight, Packaging and Quantity Data	O	1	
		LOOP ID - 0325	99		
140	G61	Contact	O	1	n6
		LOOP ID - 0330	25		
143	LH1	Hazardous Identification Information	O	1	
144	LH2	Hazardous Classification Information	O	4	
145	LH3	Hazardous Material Shipping Name	O	10	

Summary:

Pos.	Seg.	Name	Req.	Loop	Notes and	
No.	ID		Des.	Max.Use	Repeat	Comments
010	L3	Total Weight and Charges	O	1		
M 020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. Segment G62 in header is used to convey the must-respond-by date and time when responding to a 204 transaction.
2. 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.
3. Use G62 segment either in loop 0300 or loop 0350, but not both.
4. 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.
5. Use LAD segment either in loop 0300 or loop 0350, but not both.
6. The G61 segment contains the person or company to be contacted by the carrier in case of emergency.
7. The L11 segment contains the specific hazardous material reference numbers. Used in loop 0325 it pertains to all iterations of loop 0330 following.
8. 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.
9. 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.
10. 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.
11. The G61 segment contains the person or company to be contacted by the carrier in case of emergency.
12. The L11 segment contains the specific hazardous material reference numbers. Used in loop 0365 it pertains to all iterations of loop 0370 following.





Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 3/3
M	ST02	329	Transaction Set Control Number 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





Segment: **B2** Beginning Segment for Shipment Information Transaction
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To transmit basic data relating to shipment information
Syntax Notes:
Semantic Notes:

- 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.

Data Element Summary

Ref.	Data	Attributes
<u>Des.</u>	<u>Element Name</u>	
>>	B202 140 Standard Carrier Alpha Code Standard Carrier Alpha Code	O ID 2/4
>>	B204 145 Shipment Identification Number 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) OTM Shipment ID; Unique Reference Number (Eg: B23123M02514)	M AN 1/30
X	B206 146 Shipment Method of Payment Code identifying payment terms for transportation charges CC – Collect PP – Prepaid (By Seller) PA – Prepaid and Add NC – No Charge TP – Third Party Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
X	B207 147 Shipment Qualifier Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time. B – Bill of Lading for Individual Shipment L – Single Load (Blind Memo) Memo – Incomplete Documentation Q – Continuous Movement (Two or more loads tendered to a carrier at the same time that are to be performed in conjunction with one another using the same carrier equipment).	O ID 1/1
X	B211 335 Transport Terms Code	O ID 3/3





Code identifying the Incoterms which apply to the shipment transportation company.

~~EXW~~—Ex Works (insert place of delivery)

~~FCA~~—Free Carrier (insert named place of delivery)

~~CPT~~—Carriage Paid to (insert place of destination)

~~CIP~~—Carriage and Insurance Paid To (insert place of destination)

~~DAP~~—Delivered at Place (insert named place of destination)

~~DPU~~—Delivered at Place Unloaded (insert of place of destination)

~~DDP~~—Delivered Duty Paid (insert place of destination)

~~FAS~~—Free Alongside Ship (insert name of port of loading)

~~FOB~~—Free on Board (insert named port of loading)

~~CFR~~—Cost and Freight (insert named port of destination)

~~CIF~~—Cost Insurance and Freight (insert named port of destination)

Refer to 004010 Data Element Dictionary for acceptable code values





Segment: **B2A** Set Purpose
Position: 030
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To allow for positive identification of transaction set purpose
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
M	B2A01	353 Transaction Set Purpose Code	M ID 2/2

Code identifying purpose of transaction set.
00 – Original
01 – Cancellation
04 – Change

Refer to 004010 Data Element Dictionary for acceptable code values.





Segment: **L11** Business Instructions and Reference Number
Position: 080
Loop:
Level: Heading
Usage: Optional
Max Use: 50
Purpose: To specify instructions in this business relationship or a reference number
Syntax Notes: 1 If either L1101 or L1102 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
>> L1101	127	Reference Identification	X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
>> L1102	128	Reference Identification Qualifier	X ID 2/3
		Code qualifying the Reference Identification	
		CN – Carrier Pro Number (Pre Assigned if applicable)	
		SI – Shipment ID of DHL	
		BN – Booking Number (Booking Number)	
		BM – Bill Of Lading Number (BL Number)	
		LU - Location Number (Port of Loading)	
		LW - Location Within Equipment" (Port of Discharge)	
		SCAC - Standard Carrier Alpha Code	
		4Y-Subhouse Bill of Lading	
		8X - Transaction Category or Type	
		BB-Authorization Number (Premium Freight Authorization Number)	
		TD - Reason for Change (Reason Code for Authorization)	
		4L-Location-specific Services Reference Number (Approver for Premium Freight)	
		Refer to 004010 Data Element Dictionary for acceptable code values.	

Commented [VA(ScE1): Added to distinguish 204 for FV vs Vendor (Routing Instructions)





Segment: G62 Date/Time
Position: 090
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of G6201 or G6203 is required.
- 2 If either G6201 or G6202 is present, then the other is required.
- 3 If either G6203 or G6204 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
>> G6201	432	Date Qualifier	X ID 2/2
		Code specifying type of date	
		07 = Effective date/time	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
>> G6202	373	Date	X DT 8/8
		Date expressed as CCYYMMDD	
>> G6203	176	Time Qualifier	X ID 1/2
		Code specifying the reported time	
		U = Scheduled Pick Up Time	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
G6204	337	Time	X TM 4/4
		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)	
		HHMM	





Segment: **NTE** Note/Special Instruction
Position: 130
Loop:
Level: Heading
Usage: Optional (Must Use)
Max Use: 10
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Syntax Notes:

Semantic Notes:

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.

Notes: This segment used when free form text is available.

Data Element Summary

Ref.	Data		Attributes
Des.	Element	Name	
NTE01	363	Note Reference Code	O ID 3/3
		Code identifying the functional area or purpose for which the note applies	
		ZZZ Mutually Defined – Vessel Name	
		GEN General – Voyage Number	
M	NTE02	352 Description	M AN 1/80
		A free-form description to clarify the related data elements and their content	
		Free form text.	





Segment: **N1** Name
Position: 140
Loop: 0100 Optional (Must Use)
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:
 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
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.

Data Element Summary

Ref.	Data	Attributes
<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	N101 98 Entity Identifier Code	M ID 2/3
	Code identifying an organizational entity, a physical location, property or an individual. SH - Shipper Refer to 004010 Data Element Dictionary for acceptable code values. <u>SH, SF, CN, ST, BT Qualifiers</u>	
>>	N102 93 Name	X AN 1/60
	Free-form name <u>Element used.</u>	
>>	N103 66 Identification Code Qualifier	X ID 1/2
	Code designating the system/method of code structure used for Identification Code (67). <u>Element used.</u> 91 - Assigned by Seller or Seller's Agent	
>>	N104 67 Identification Code	X AN 2/80
	Refer to 004010 Data Element Dictionary for acceptable code values. Code identifying a party or other code. <u>Element used.</u>	





Segment: N3 Address Information
Position: 160
Loop: 0100 Optional (Must Use)
Level: Heading
Usage: Optional (Must Use)
Max Use: 2
Purpose: To specify the location of the named party

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
M N301	166	Address Information Address information	M AN 1/55
N302	166	Address Information Address information	O AN 1/55





Segment: **N4** Geographic Location
Position: 170
Loop: 0100 Optional (Must Use)
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404 may be adequate to specify a location.
 2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
>>	N401	19 City Name	O AN 2/30
		Free-form text for city name.	
>>	N402	156 State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
>>	N403	116 Postal Code	O ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
	N404	26 Country Code	O ID 2/3
		Code identifying the country	





Segment: G61 Contact

Position: 190
Loop: 0100 Optional
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom communications should be directed
Syntax Notes: 1 If either G6103 or G6104 is present, then the other is required.
Semantic Notes:
Comments: 1 G6103 qualifies G6104.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	G6101	366	Contact Function Code	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named Refer to 004010 Data Element Dictionary for acceptable code values. CN - General Contact	
M	G6102	93	Name	M AN 1/60
			Free-form name	
>>	G6103	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number TE - Telephone EM - Email Refer to 004010 Data Element Dictionary for acceptable code values.	
>>	G6104	364	Communication Number	X AN 1/80
			Complete communications number including country or area code when applicable Carrier Contact Information.	





Segment: N7 Equipment Details
Position: 210
Loop: 0380 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To identify the equipment
Syntax Notes:

- 1 If either N703 or N704 is present, then the other is required.
- 2 If either N705 or N716 is present, then the other is required.
- 3 If either N708 or N709 is present, then the other is required.

Semantic Notes:

- 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.

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
	N701	206 Equipment Initial	O AN 1/4
		Prefix or alphabetic part of an equipment unit's identifying number (Container Number Initial, If available)	
M	N702	207 Equipment Number	M AN 1/10
		Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) (Container Number, If available) (If not Available we will be sending 00000 Required)	
	N715	567 Equipment Length	O N0 4/5
		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) 04000 – 40 foot trailer 04800 – 48 foot trailer 05300 – 53 foot trailer	





Segment: **S5** Stop-off Details
Position: 010
Loop: 0300 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify stop-off detail reference numbers and stop reason
Syntax Notes:

- 1 If either S503 or S504 is present, then the other is required.
- 2 If either S505 or S506 is present, then the other is required.
- 3 If either S507 or S508 is present, then the other is required.

Comments:

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	S501	165	Stop Sequence Number	M N0 1/3
			Identifying number for the specific stop and the sequence in which the stop is to be performed	
M	S502	163	Stop Reason Code	M ID 2/2
			Code specifying the reason for the stop. CL – Complete CU – Complete Unload LD – Load PL – Part Load PU – Part Unload UL – Unload	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
>>	S503	81	Weight	X R 1/10
			Numeric value of weight	
>>	S504	188	Weight Unit Code	X ID 1/1
			Code specifying the weight unit. L – Pounds	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
>>	S505	382	Number of Units Shipped	X R 1/10
			Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	
>>	S506	355	Unit or Basis for Measurement Code	X ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken. EA – EACHES PA – PALLETS (Not required)	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	S507	183	Volume	X R 1/8
			Value of volumetric measure	
X	S508	184	Volume Unit Qualifier	X ID 1/1





Code identifying the volume unit.

E—Cubic Feet

Refer to 004010 Data Element Dictionary for acceptable code values.





Segment: **L11 Business Instructions and Reference Number**
Position: 020
Loop: 0300 Mandatory
Level: Detail
Usage: Optional
Max Use: 50
Purpose: To specify instructions in this business relationship or a reference number
Syntax Notes: 1 At least one of L1101 or L1103 is required.
2 If either L1101 or L1102 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>> L1101	127	Reference Identification	X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the HDMC Purchase Order Number	
>> L1102	128	Reference Identification Qualifier	X ID 2/3
		Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. PO - HD Purchase Order Number	





Segment: G62 Date/Time
Position: 030
Loop: 0300 Mandatory
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of G6201 or G6203 is required.
- 2 If either G6201 or G6202 is present, then the other is required.
- 3 If either G6203 or G6204 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	G6201	432 Date Qualifier	X ID 2/2
		Code specifying type of date	
		10 = Requested Ship Date/Pick-up Date	
		53 = Delivery Not Before Date	
		54 = Delivery No Later Than Date	
		68 = Requested Delivery Date	
		77 = Pickup Appointment Scheduled Date	
		78 = Delivery Appointment Scheduled Date	
		91 = Estimated Pick up	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
>>	G6202	373 Date	X DT 8/8
		Date expressed as CCYYMMDD	
>>	G6203	176 Time Qualifier	X ID 1/2
		Code specifying the reported time	
		2 = Pickup Requested Scheduled Time	
		3 = Delivery Requested Scheduled Time	
		Y = Requested Pickup Time	
		Z = Requested Delivery Time	
		E- Requested pick up time	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
>>	G6204	337 Time	X TM 4/8
		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)	





Segment: ~~NTE~~ **Note/Special Instruction**

Position: 065

Loop: 0300 Mandatory

Level: Detail

Usage: Optional

Max Use: 20

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

~~Syntax Notes:~~

~~Semantic Notes:~~

Comments: 1 The NTE segment permits free form information/data which, under ANSI X12 standard implementations, cannot be processed by the machine. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
X	NTE01	363	Note Reference Code Code identifying the functional area or purpose for which the note applies Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 3/3
M	NTE02	352	Description A free-form description to clarify the related data elements and their content	M AN 1/80





Segment: **N1** Name
Position: 070
Loop: 0310 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:
 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:
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.

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual. SF - Ship From	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
>>	N102	93 Name	X AN 1/60
		Free-form name	
>>	N103	66 Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		91 - Assigned by Seller or Seller's Agent	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
>>	N104	67 Identification Code	X AN 2/80
		Code identifying a party or other code	





Segment: N3 Address Information
Position: 090
Loop: 0310 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	N301	166	Address Information Address information	M AN 1/55
	N302	166	Address Information Address information	O AN 1/55





Segment: **N4** Geographic Location
Position: 100
Loop: 0310 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404 may be adequate to specify a location.
 2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
>>	N401	19 City Name	O AN 2/30
		Free-form text for city name	
>>	N402	156 State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
>>	N403	116 Postal Code	O ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
>>	N404	26 Country Code	O ID 2/3
		Code identifying the country	





Segment: **N1** Name

- Position:** 070
- Loop:** 0310 Optional (Must Use)
- Level:** Detail
- Usage:** Optional (Must Use)
- Max Use:** 1
- Purpose:** To identify a party by type of organization, name, and code
- Syntax Notes:**
 - 1 At least one of N102 or N103 is required.
 - 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

- 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.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
M	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual. ST – Ship To Refer to 004010 Data Element Dictionary for acceptable code values.	
>>	N102	93 Name	X AN 1/60
		Free-form name	
>>	N103	66 Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67) 93 - Assigned Number	
>>	N104	67 Identification Code	X AN 2/80
		Refer to 004010 Data Element Dictionary for acceptable code values. Code identifying a party or other code	





Segment: N3 Address Information
Position: 090
Loop: 0310 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information Address information	M AN 1/55
	N302	166	Address Information Address information	O AN 1/55





Segment: **N4** Geographic Location
Position: 100
Loop: 0310 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404 may be adequate to specify a location.
 2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
>>	N401	19 City Name	O AN 2/30
		Free-form text for city name	
>>	N402	156 State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
>>	N403	116 Postal Code	O ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
>>	N404	26 Country Code	O ID 2/3
		Code identifying the country	





Segment: **G61** Contact

Position: 120
Loop: 0310 Optional
Level: Detail
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom communications should be directed
Syntax Notes: 1 If either G6103 or G6104 is present, then the other is required.
Semantic Notes:
Comments: 1 G6103 qualifies G6104.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	G6101	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named CN - General Contact	M ID 2/2
			Refer to 004010 Data Element Dictionary for acceptable code values.	
M	G6102	93	Name Free-form name	M AN 1/60
>>	G6103	365	Communication Number Qualifier Code identifying the type of communication number TE - Telephone EM - Email Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
>>	G6104	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80





Segment: **OID** Contact

Position: 150
Loop: 999 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify order identification detail
Syntax Notes:
Semantic Notes:
Comments: This segment specifies the information for sending Order and Line Information

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
X	OID01	127 Reference Identification HD PO Line or Release Line number	X AN 1/30
X	OID02	324 Purchase Order Number Free-form name	X AN 1/22

Segment: **L5** Description, Marks and Numbers

~~Position: 130~~
~~Loop: 0320 Optional (Must Use)~~
~~Level: Detail~~
~~Usage: Optional (Must Use)~~
~~Max Use: 1~~
~~Purpose: To specify the line item in terms of description, quantity, packaging, and marks and numbers~~
~~Syntax Notes: 1 If either L503 or L504 is present, then the other is required.~~
~~Semantic Notes:~~
~~Comments: 1 L502 may be used to send quantity information as part of the product description.~~

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
	L502	79 Lading Description Description of an item as required for rating and billing purposes. Customer Product Code	Ø AN 1/50
X	L503	22 Commodity Code Code describing a commodity or group of commodities	X AN 1/30
X	L504	23 Commodity Code Qualifier Code identifying the commodity coding system used for Commodity Code. N National Motor Freight Classification (NMFC) Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
X	L505	103 Packaging Code 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	Ø AN 3/5





Refer to 004010 Data Element Dictionary for acceptable code values.





Segment: AT8 Shipment Weight, Packaging and Quantity Data

Position: 135
Loop: 0320 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify shipment details in terms of weight, and quantity of handling units
Syntax Notes: 1 If any of AT801-AT802 or AT803 is present, then all are required.
 2 If either AT806 or AT807 is present, then the other is required.
Semantic Notes: 1 AT804 is the quantity of handling units that are not unitized
Comments:

Data Element Summary

Ref.	Data			
Des.	Element	Name		Attributes
>>	AT801	187	Weight Qualifier Code defining the type of weight. G—Gross Weight Refer to 004010 Data Element Dictionary for acceptable code values.	X ID-1/2
>>	AT802	188	Weight Unit Code Code specifying the weight unit. L—Pounds Refer to 004010 Data Element Dictionary for acceptable code values.	X ID-1/1
>>	AT803	81	Weight Numeric value of weight	X R-1/10
>>	AT804	80	Lading Quantity Number of units (EACHES) of the lading commodity	O N0-1/7
X	AT806	184	Volume Unit Qualifier Code identifying the volume unit Qualifier—E Refer to 004010 Data Element Dictionary for acceptable code values.	X ID-1/1
X	AT807	183	Volume Value of volumetric measure	X R-1/8





Segment: **G61** Contact
 Position: 140
 Loop: 0325 Optional
 Level: Detail
 Usage: Optional
 Max Use: 1
 Purpose: To identify a person or office to whom communications should be directed
 Syntax Notes: 1 If either G6103 or G6104 is present, then the other is required.
 Semantic Notes:
 Comments: 1 G6103 qualifies G6104.

Data Element Summary

Ref.	Data			
Des.	Element	Name		Attributes
M	G6101	366	Contact Function Code	M ID-2/2
			Code identifying the major duty or responsibility of the person or group named Refer to 004010 Data Element Dictionary for acceptable code values. CN - General Contact	
M	G6102	93	Name	M AN-1/60
			Free form name	
>>	G6103	365	Communication Number Qualifier	X ID-2/2
			Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values.	
>>	G6104	364	Communication Number	X AN-1/80
			Complete communications number including country or area code when applicable	





Segment: **LH1** Hazardous Identification Information

Position: 143

Loop: 0330 Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify the hazardous commodity identification reference number and quantity

Syntax Notes:

Semantic Notes:

Comments: 1 LH101 and LH102 are used to convey the number and type of packages for bulk and non-bulk movements.

Data Element Summary

Ref.	Data			Attributes
Des.	Element	Name		
M	LH101	355	Unit or Basis for Measurement Code	M ID-2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	
M	LH102	80	Lading Quantity	M N0-1/7
			Number of units (pieces) of the lading commodity	
>>	LH103	277	UN/NA Identification Code	O ID-6/6
			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	
>>	LH110	254	Packing Group Code	O ID-1/3
			Code indicating degree of danger in terms of Roman number I, II or III	





Segment: **LH2** Hazardous Classification Information

Position: 144

Loop: 0330 Optional

Level: Detail

Usage: Optional

Max Use: 4

Purpose: To specify the hazardous notation and endorsement information

Syntax Notes:

Comments:

Data Element Summary

Ref.	Data		
Des.	Element	Name	Attributes
>>	LH201	215 Hazardous Classification	Ø ID-1/30
		The hazardous classification corresponding to the shipping name of the hazardous commodity.	
>>	LH202	983 Hazardous Class Qualifier	Ø ID-1/1
		Code qualifying hazardous class	
		Refer to 004010 Data Element Dictionary for acceptable code values.	





Segment: **LH3** Hazardous Material Shipping Name

Position: 145

Loop: 0330 Optional

Level: Detail

Usage: Optional

Max Use: 10

Purpose: To specify the hazardous material shipping name and additional descriptive requirements

Syntax Notes: 1 If either LH301 or LH302 is present, then the other is required.

Semantic Notes: 1 Comments:

Data Element Summary

Ref.	Data		
Des.	Element	Name	Attributes
>>	LH301	224 Hazardous Material Shipping Name	X AN 1/25
		The proper shipping name of the hazardous commodity as specified by the Code of Federal Regulations, Title 49	
>>	LH302	984 Hazardous Material Shipping Name Qualifier	X ID 1/1
		Qualifier indicating the source (regulatory) of the proper shipping name Refer to 004010 Data Element Dictionary for acceptable code values.	





Segment: **L3** Total Weight and Charges
Position: 010
Loop:
Level: Summary
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items

- Syntax Notes:**
- 1 If either L301 or L302 is present, then the other is required.
 - 2 If either L303 or L304 is present, then the other is required.
 - 3 If either L309 or L310 is present, then the other is required.
 - 4 If L312 is present, then L301 is required.
 - 5 If either L314 or L315 is present, then the other is required.
- Semantic Notes:**
- 1 L305 is the total charges.

Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
>>	L301	81 Weight	X R 1/10
		Numeric value of weight	
>>	L302	187 Weight Qualifier	X ID ½
		Code defining the type of weight. G – Gross Weight Refer to 004010 Data Element Dictionary for acceptable code values.	
X	L309	183 Volume	X R 1/8
		Value of volumetric measure	
X	L310	184 Volume Unit Qualifier	X ID 1/1
		Code identifying the volume unit. E – Cubic Feet Refer to 004010 Data Element Dictionary for acceptable code values.	
>>	L311	80 Lading Quantity	O N0 1/7
		Number of units (pieces) of the lading commodity	
X	L312	188 Weight Unit Code	O ID 1/1
		Code specifying the weight unit. L – Pounds Refer to 004010 Data Element Dictionary for acceptable code values.	





Segment: **SE** Transaction Set Trailer
Position: 020
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

Semantic Notes:

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

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments	M N0 1/10 Total number of segments included in a transaction set including ST and SE segments
M	SE02	329	Transaction Set Control Number	M AN 4/9 Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

