



**3PL Systems, Inc.**  
**EDI 204 Documentation (Inbound)**

**V4010**



# EDI 204 (Load Tender INBOUND)

Functional Group ID=**SM**

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5	010	ST	Transaction Set Header	M	1		
6	020	B2	Beginning Segment for Shipment Information Transaction	M	1		
7	030	B2A	Set Purpose	M	1		
8	080	L11	Business Instructions and Reference Number	O	50		
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10	100	MS3	Interline Information	O	1		
11	110	AT5	Bill of Lading Handling Requirements	O	6		
12	120	PLD	Pallet Information	O	1		
Not Used	125	LH6	Hazardous Certification	O	6		
13	130	NTE	Note/Special Instruction	O	10		
LOOP ID - 0100						5	
14	140	N1	Name	O	1		n2
Not Used	150	N2	Additional Name Information	O	1		
15	160	N3	Address Information	O	2		
16	170	N4	Geographic Location	O	1		
Not Used	180	L11	Business Instructions and Reference Number	O	1		
17	190	G61	Contact	O	3		
LOOP ID - 0200						10	
18	200	N7	Equipment Details	O	1		
Not Used	203	N7A	Accessorial Equipment Details	O	1		
Not Used	205	N7B	Additional Equipment Details	O	1		
Not Used	208	MEA	Measurements	O	1		
Not Used	210	M7	Seal Numbers	O	2		

**Detail:**

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LOOP ID - 0300						999	
19	010	S5	Stop-off Details	M	1		
20	020	L11	Business Instructions and Reference Number	O	50		
21	030	G62	Date/Time	O	2		n3
22	040	AT8	Shipment Weight, Packaging and Quantity Data	O	1		n4
Not Used	050	LAD	Lading Detail	O	999		n5
11	060	AT5	Bill of Lading Handling Requirements	O	6		

23	063	PLD	Pallet Information	O	1	
24	065	NTE	Note/Special Instruction	O	20	
<b>LOOP ID - 0310</b>						
25	070	N1	Name	O	1	
Not Used	080	N2	Additional Name Information	O	1	
26	090	N3	Address Information	O	2	
27	100	N4	Geographic Location	O	1	
28	120	G61	Contact	O	3	
<b>LOOP ID - 0320</b>						
29	130	L5	Description, Marks and Numbers	O	1	
30	135	AT8	Shipment Weight, Packaging and Quantity Data	O	1	
<b>LOOP ID - 0325</b>						
31	140	G61	Contact	O	1	n6
Not Used	141	L11	Business Instructions and Reference Number	O	5	n7
Not Used	142	LH6	Hazardous Certification	O	6	
<b>LOOP ID - 0330</b>						
Not Used	143	LH1	Hazardous Identification Information	O	1	
Not Used	144	LH2	Hazardous Classification Information	O	4	
Not Used	145	LH3	Hazardous Material Shipping Name	O	10	
Not Used	146	LFH	Freeform Hazardous Material Information	O	20	
Not Used	147	LEP	EPA Required Data	O	3	
Not Used	148	LH4	Canadian Dangerous Requirements	O	1	
Not Used	149	LHT	Transborder Hazardous Requirements	O	3	
<b>LOOP ID - 0350</b>						
32	150	OID	Order Identification Detail	O	1	n8
Not Used	160	G62	Date/Time	O	2	
33	180	LAD	Lading Detail	O	999	
<b>LOOP ID - 0360</b>						
34	190	L5	Description, Marks and Numbers	O	1	n9
35	195	AT8	Shipment Weight, Packaging and Quantity Data	O	1	n10
<b>LOOP ID - 0365</b>						
Not Used	200	G61	Contact	O	1	n11
Not Used	201	L11	Business Instructions and Reference Number	O	5	n12
Not Used	202	LH6	Hazardous Certification	O	6	
<b>LOOP ID - 0370</b>						
Not Used	203	LH1	Hazardous Identification Information	O	1	
Not Used	204	LH2	Hazardous Classification Information	O	4	
Not Used	205	LH3	Hazardous Material Shipping Name	O	10	
Not Used	206	LFH	Freeform Hazardous Material Information	O	20	
Not Used	207	LEP	EPA Required Data	O	3	
Not Used	208	LH4	Canadian Dangerous Requirements	O	1	
Not Used	209	LHT	Transborder Hazardous Requirements	O	3	
<b>LOOP ID - 0380</b>						
Not Used	210	N7	Equipment Details	O	1	
Not Used	220	N7A	Accessorial Equipment Details	O	1	
Not Used	230	N7B	Additional Equipment Details	O	1	
Not Used	240	MEA	Measurements	O	1	
Not Used	250	M7	Seal Numbers	O	2	

### Summary:

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36	010	L3	Total Weight and Charges	O	1		
37	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.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	
M	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set 204 Motor Carrier Load Tender	M ID 3/3
M	ST02	329	<b>Transaction Set Control Number</b> 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.
- 2 B209 is mandatory for rail transactions.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
	<b>B202</b>	<b>140</b>	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	<b>O ID 2/4</b>
	<b>B204</b>	<b>145</b>	<b>Shipment Identification Number</b> 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)	<b>O AN 1/30</b>
<b>M</b>	<b>B206</b>	<b>146</b>	<b>Shipment Method of Payment</b> Code identifying payment terms for transportation charges CC Collect PP Prepaid (by Seller) TP Third Party Pay	<b>M ID 2/2</b>



**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**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	B2A01	353	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set 00 Original	M	ID 2/2
	B2A02	346	<b>Application Type</b> Code identifying an application LT Load Tender - Truckload (TL) Carrier Only Used by a shipper to inform carrier that a particular load is available or becoming available for movement; also signifies an advance pick-up notification PS Partial Load Tender, Shipper Consolidate	O	ID 2/2

**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 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.</u>	<u>Data</u>	<u>Name</u>	
<u>Des.</u>	<u>Element</u>		
<b>L1101</b>	<b>127</b>	<b>Reference Identification</b>	<b>X AN 1/30</b>
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
<b>L1102</b>	<b>128</b>	<b>Reference Identification Qualifier</b>	<b>X ID 2/3</b>
		Code qualifying the Reference Identification	
	12	Billing Account	
		Account number under which billing is rendered	
	CMN	Continuous Move Number	
	CR	Customer Reference Number	
	IT	Internal Customer Number	
	PO	Purchase Order Number	
	RB	Rate code number	
	SI	Shipper's Identifying Number for Shipment (SID)	
		A unique number (to the shipper) assigned by the shipper to identify the shipment	
	TB	Trucker's Bill of Lading	
	TH	Transportation Account Code (TAC)	
	VD	Volume Number	



**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**

<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
G6201	432	<b>Date Qualifier</b>	X	ID 2/2
		Code specifying type of date		
		10 Requested Ship Date/Pick-up Date		
		64 Must Respond By		
G6202	373	<b>Date</b>	X	DT 8/8
		Date expressed as CCYYMMDD		
G6203	176	<b>Time Qualifier</b>	X	ID 1/2
		Code specifying the reported time		
		1 Must Respond By		
		Y Requested Pick Up Time		
G6204	337	<b>Time</b>	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)		
G6205	623	<b>Time Code</b>	O	ID 2/2
		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		
		CD Central Daylight Time		
		LT Local Time		



**Segment:** **MS3** Interline Information

**Position:** 100

**Loop:**

**Level:** Heading

**Usage:** Optional

**Max Use:** 1

**Purpose:** To identify the interline carrier and relevant data

**Syntax Notes:** 1 If MS305 is present, then MS303 is required.

**Semantic Notes:** 1 MS301 is the Standard Carrier Alpha Code (SCAC) of the interline carrier.

2 MS303 is the city where the interline was performed.

**Comments:**

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	
M	<u>MS301</u>	140	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	M ID 2/4
M	<u>MS302</u>	133	<b>Routing Sequence Code</b> Code describing the relationship of a carrier to a specific shipment movement Z Mutually Defined	M ID 1/2
	<u>MS304</u>	91	<b>Transportation Method/Type Code</b> Code specifying the method or type of transportation for the shipment LT Less Than Trailer Load (LTL)	O ID 1/2



**Segment:** **AT5** Bill of Lading Handling Requirements  
**Position:** 110  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 6  
**Purpose:** To identify Bill of Lading handling and service requirements  
**Syntax Notes:** 1 Only one of AT501 or AT503 may be present.  
 2 Only one of AT502 or AT503 may be present.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
<u>Attributes</u>				
AT501	152	<b>Special Handling Code</b>	X	ID 2/3
		Code specifying special transportation handling instructions		
		EXP Expedited Rates Applied		
		EP Expedite		
		RO Rush Order		
AT502	560	<b>Special Services Code</b>	X	ID 2/10
		Code identifying the special service		
		EX Expedited Service		
AT503	153	<b>Special Handling Description</b>	X	AN 2/30
		Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate		



**Segment:** **PLD** Pallet Information  
**Position:** 120  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify pallet information including quantity, exchange, and weight  
**Syntax Notes:** 1 If either PLD03 or PLD04 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element Name</u>	
	<u>Attributes</u>		
M	PLD01	406 Quantity of Pallets Shipped Number of pallets shipped	M N0 1/3

**Segment:** **NTE** Note/Special Instruction  
**Position:** 130  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**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.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
	<u>Des.</u>			
	<u>Attributes</u>			
	NTE01	363	<b>Note Reference Code</b>	<b>O ID 3/3</b>
			Code identifying the functional area or purpose for which the note applies	
			PRI Priority	
			TRA Transportation	
			ZZZ Mutually Defined	
M	NTE02	352	<b>Description</b>	<b>M AN 1/80</b>
			A free-form description to clarify the related data elements and their content	

**Segment:** **N1** Name  
**Position:** 140  
**Loop:** 0100 Optional  
**Level:** Heading  
**Usage:** Optional  
**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.
- 2 N105 and N106 further define the type of entity in N101.

#### Data Element Summary

Ref.	Data	Name	
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	<u>N101</u>	<b>98 Entity Identifier Code</b>	<b>M ID 2/3</b>
		Code identifying an organizational entity, a physical location, property or an individual	
		BT Bill-to-Party	
		SH Shipper	
		VI Contact Person	
	N102	<b>93 Name</b>	<b>X AN 1/60</b>
		Free-form name	
	N103	<b>66 Identification Code Qualifier</b>	<b>X ID 1/2</b>
		Code designating the system/method of code structure used for Identification Code (67)	
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		93 Code assigned by the organization originating the transaction set	
	N104	<b>67 Identification Code</b>	<b>X AN 2/80</b>
		Code identifying a party or other code	

**Segment:** N3 Address Information  
**Position:** 160  
**Loop:** 0100 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

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

**Segment:** **N4** Geographic Location  
**Position:** 170  
**Loop:** 0100 Optional  
**Level:** Heading  
**Usage:** Optional  
**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, 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.

#### Data Element Summary

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



**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**

	<u>Ref. Des. Attributes</u>	<u>Data Element</u>	<u>Name</u>	
M	G6101	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named BI Bill Inquiry Contact Service Provider contact for making inquires about information on the invoice CN General Contact IC Information Contact ZZ Mutually Defined	M ID 2/2
M	G6102	93	<b>Name</b> Free-form name	M AN 1/60
	G6103	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number EM Electronic Mail TE Telephone	X ID 2/2
	G6104	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X AN 1/80
	G6105	443	<b>Contact Inquiry Reference</b> Additional reference number or description to clarify a contact number	O AN 1/20

**Segment:** N7 Equipment Details  
**Position:** 200  
**Loop:** 0200 Optional  
**Level:** Heading  
**Usage:** Optional  
**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

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	
	<u>Des.</u>	<u>Element</u>		
	<u>Attributes</u>			
M	N702	207	<b>Equipment Number</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	M AN 1/10
	N703	81	<b>Weight</b> Numeric value of weight	X R 1/10
	N704	187	<b>Weight Qualifier</b> Code defining the type of weight G Gross Weight	X ID 1/2
	N711	40	<b>Equipment Description Code</b> Code identifying type of equipment used for shipment TF Trailer, Dry Freight TV Truck, Van	O ID 2/2
	N715	567	<b>Equipment Length</b> 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
	N720	65	<b>Height</b> Vertical dimension of an object measured when the object is in the upright position	O R 1/8
	N721	189	<b>Width</b> Shorter measurement of the two horizontal dimensions measured with the object in the upright position	O R 1/8

**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.

**Semantic Notes:**

- 1 S509 is the stop reason description.

**Comments:**

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	
M	S501	165	<b>Stop Sequence Number</b> Identifying number for the specific stop and the sequence in which the stop is to be performed	M N0 1/3
M	S502	163	<b>Stop Reason Code</b> Code specifying the reason for the stop CL Complete CU Complete Unload LD Load UL Unload	M ID 2/2
	S503	81	<b>Weight</b> Numeric value of weight	X R 1/10
	S504	188	<b>Weight Unit Code</b> Code specifying the weight unit L Pounds	X ID 1/1
	S505	382	<b>Number of Units Shipped</b> Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	X R 1/10
	S506	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken PC Piece	X ID 2/2

**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.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
<u>Attributes</u>				
L1101	127	<b>Reference Identification</b>		X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
L1102	128	<b>Reference Identification Qualifier</b>		X ID 2/3
			Code qualifying the Reference Identification	
		12	Billing Account	
			Account number under which billing is rendered	
		BM	Bill of Lading Number	
		CR	Customer Reference Number	
		DO	Delivery Order Number	
		F8	Original Reference Number	
		GZ	General Ledger Account	
		IA	Internal Vendor Number	
		KK	Delivery Reference	
		PO	Purchase Order Number	
		PU	Previous Bill of Lading 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**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>		
<u>Attributes</u>					
<b>G6201</b>	<b>432</b>	<b>Date Qualifier</b>		<b>X</b>	<b>ID 2/2</b>
			Code specifying type of date		
			10 Requested Ship Date/Pick-up Date		
			37 Ship Not Before Date		
			38 Ship Not Later Than Date		
			54 Deliver No Later Than Date		
			68 Requested Delivery Date		
			79 Pickup Requested Scheduled Date		
			80 Delivery Requested Scheduled Date		
<b>G6202</b>	<b>373</b>	<b>Date</b>		<b>X</b>	<b>DT 8/8</b>
			Date expressed as CCYYMMDD		
<b>G6203</b>	<b>176</b>	<b>Time Qualifier</b>		<b>X</b>	<b>ID 1/2</b>
			Code specifying the reported time		
			4 Pickup Requested Scheduled Time		
			5 Delivery Requested Scheduled Time		
			I Earliest Requested Pick Up Time		
			K Latest Requested Pick Up Time		
			Y Requested Pick Up Time		
			Z Requested Delivery Time		
<b>G6204</b>	<b>337</b>	<b>Time</b>		<b>X</b>	<b>TM 4/8</b>
			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)		
<b>G6205</b>	<b>623</b>	<b>Time Code</b>		<b>O</b>	<b>ID 2/2</b>
			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		
			CD Central Daylight Time		
			ED Eastern Daylight Time		

**Segment:** **AT8** Shipment Weight, Packaging and Quantity Data

**Position:** 040  
**Loop:** 0300 Mandatory  
**Level:** Detail  
**Usage:** Optional

**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 (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.

**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
<u>Attributes</u>				
AT801	187	<b>Weight Qualifier</b>		X ID 1/2
			Code defining the type of weight	
			G Gross Weight	
AT802	188	<b>Weight Unit Code</b>		X ID 1/1
			Code specifying the weight unit	
			L Pounds	
AT803	81	<b>Weight</b>		X R 1/10
			Numeric value of weight	
AT804	80	<b>Lading Quantity</b>		O N0 1/7
			Number of units (pieces) of the lading commodity	
AT806	184	<b>Volume Unit Qualifier</b>		X ID 1/1
			Code identifying the volume unit	
			E Cubic Feet	
AT807	183	<b>Volume</b>		X R 1/8
			Value of volumetric measure	



**Segment:** **PLD** Pallet Information  
**Position:** 063  
**Loop:** 0300 Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify pallet information including quantity, exchange, and weight  
**Syntax Notes:** 1 If either PLD03 or PLD04 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	
M	PLD01	406	<b>Quantity of Pallets Shipped</b> Number of pallets shipped	M N0 1/3
	PLD02	399	<b>Pallet Exchange Code</b> Code specifying pallet exchange instructions 1 No Exchange/No Return	O ID 1/1



**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, is not machine processable. 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>Des.</u>			
	<u>Attributes</u>			
	NTE01	363	<b>Note Reference Code</b>	<b>O ID 3/3</b>
			Code identifying the functional area or purpose for which the note applies	
			BOL Bill of Lading Note	
			GEN Entire Transaction Set	
			ORI Order Instructions	
			OTH Other Instructions	
			SPH Special Handling	
<b>M</b>	NTE02	352	<b>Description</b>	<b>M AN 1/80</b>
			A free-form description to clarify the related data elements and their content	



**Segment:** **N1** Name  
**Position:** 070  
**Loop:** 0310 Optional  
**Level:** Detail  
**Usage:** Optional  
**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.
- 2 N105 and N106 further define the type of entity in N101.

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	
M	N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual CN Consignee SF Ship From ST Ship To	M ID 2/3
	N102	93	<b>Name</b> Free-form name	X AN 1/60
	N103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) 93 Code assigned by the organization originating the transaction set ZZ Mutually Defined	X ID 1/2
	N104	67	<b>Identification Code</b> Code identifying a party or other code	X AN 2/80

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

**Data Element Summary**

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

**Segment:** N4 Geographic Location  
**Position:** 100  
**Loop:** 0310 Optional  
**Level:** Detail  
**Usage:** Optional  
**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, 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.

#### Data Element Summary

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

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

**Segment:** **L5** Description, Marks and Numbers  
**Position:** 130  
**Loop:** 0320 Optional  
**Level:** Detail  
**Usage:** Optional  
**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.
  - 2 If L507 is present, then L506 is required.
  - 3 If either L508 or L509 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**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
<b><u>Attributes</u></b>				
L501	213	<b>Lading Line Item Number</b>		O N0 1/3
		Sequential line number for a lading item		
L502	79	<b>Lading Description</b>		O AN 1/50
		Description of an item as required for rating and billing purposes		
L503	22	<b>Commodity Code</b>		X AN 1/30
		Code describing a commodity or group of commodities		
L504	23	<b>Commodity Code Qualifier</b>		X ID 1/1
		Code identifying the commodity coding system used for Commodity Code		
		N	National Motor Freight Classification (NMFC)	

**Segment:** **AT8** Shipment Weight, Packaging and Quantity Data

**Position:** 135

**Loop:** 0320 Optional

**Level:** Detail

**Usage:** Optional

**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 (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.

**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
<u>Attributes</u>				
AT801	187	<b>Weight Qualifier</b>		X ID 1/2
			Code defining the type of weight	
			U Weight Per Unit	
AT802	188	<b>Weight Unit Code</b>		X ID 1/1
			Code specifying the weight unit	
			L Pounds	
AT803	81	<b>Weight</b>		X R 1/10
			Numeric value of weight	
AT804	80	<b>Lading Quantity</b>		O N0 1/7
			Number of units (pieces) of the lading commodity	

**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**

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

**Segment:** **OID** Order Identification Detail

**Position:** 150  
**Loop:** 0350 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1

**Purpose:** To specify order identification detail

- Syntax Notes:**
- 1 At least one of OID01 or OID02 is required.
  - 2 If OID03 is present, then OID02 is required.
  - 3 If either OID04 or OID05 is present, then the other is required.
  - 4 If either OID06 or OID07 is present, then the other is required.
  - 5 If either OID08 or OID09 is present, then the other is required.

- Semantic Notes:**
- 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.

**Comments:**

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
<b>OID01</b>	<b>127</b>	<b>Reference Identification</b>	<b>X</b>	<b>AN 1/30</b>
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
<b>OID02</b>	<b>324</b>	<b>Purchase Order Number</b>	<b>X</b>	<b>AN 1/22</b>
		Identifying number for Purchase Order assigned by the orderer/purchaser		
<b>OID04</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>X</b>	<b>ID 2/2</b>
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		CA Case		
		PC Piece		
<b>OID05</b>	<b>380</b>	<b>Quantity</b>	<b>X</b>	<b>R 1/15</b>
		Numeric value of quantity		
<b>OID06</b>	<b>188</b>	<b>Weight Unit Code</b>	<b>X</b>	<b>ID 1/1</b>
		Code specifying the weight unit		
		L Pounds		
<b>OID07</b>	<b>81</b>	<b>Weight</b>	<b>X</b>	<b>R 1/10</b>
		Numeric value of weight		
<b>OID08</b>	<b>184</b>	<b>Volume Unit Qualifier</b>	<b>X</b>	<b>ID 1/1</b>
		Code identifying the volume unit		
		E Cubic Feet		
<b>OID09</b>	<b>183</b>	<b>Volume</b>	<b>X</b>	<b>R 1/8</b>
		Value of volumetric measure		



**Segment:** **LAD** Lading Detail

**Position:** 180

**Loop:** 0350 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 999

**Purpose:** To transmit detailed lading data pertinent to a pickup or delivery

- Syntax Notes:**
- 1 If either LAD01 or LAD02 is present, then the other is required.
  - 2 If either LAD03 or LAD04 is present, then the other is required.
  - 3 If either LAD05 or LAD06 is present, then the other is required.
  - 4 If either LAD07 or LAD08 is present, then the other is required.
  - 5 If either LAD09 or LAD10 is present, then the other is required.
  - 6 If either LAD11 or LAD12 is present, then the other is required.

**Semantic Notes:**

**Comments:**

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>		
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
<u>Attributes</u>				
LAD01	211	<b>Packaging Form Code</b> Code for packaging form of the lading quantity PLT Pallet	X	ID 3/3
LAD02	80	<b>Lading Quantity</b> Number of units (pieces) of the lading commodity	X	N0 1/7

**Segment:** **L5** Description, Marks and Numbers  
**Position:** 190  
**Loop:** 0360 Optional  
**Level:** Detail  
**Usage:** Optional  
**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.
  - 2 If L507 is present, then L506 is required.
  - 3 If either L508 or L509 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**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
<b><u>Attributes</u></b>				
L501	213	<b>Lading Line Item Number</b>		O N0 1/3
		Sequential line number for a lading item		
L502	79	<b>Lading Description</b>		O AN 1/50
		Description of an item as required for rating and billing purposes		
L505	103	<b>Packaging Code</b>		O AN 3/5
		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		
		PCS	Pieces	
L506	87	<b>Marks and Numbers</b>		X AN 1/48
		Marks and numbers used to identify a shipment or parts of a shipment		
L508	23	<b>Commodity Code Qualifier</b>		X ID 1/1
		Code identifying the commodity coding system used for Commodity Code		
		N	National Motor Freight Classification (NMFC)	
L509	22	<b>Commodity Code</b>		X AN 1/30
		Code describing a commodity or group of commodities		

**Segment:** **AT8** Shipment Weight, Packaging and Quantity Data

**Position:** 195

**Loop:** 0360 Optional

**Level:** Detail

**Usage:** Optional

**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 (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.

**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	
<u>Attributes</u>				
AT801	187	<b>Weight Qualifier</b>		X ID 1/2
			Code defining the type of weight	
			G Gross Weight	
AT802	188	<b>Weight Unit Code</b>		X ID 1/1
			Code specifying the weight unit	
			L Pounds	
AT803	81	<b>Weight</b>		X R 1/10
			Numeric value of weight	
AT804	80	<b>Lading Quantity</b>		O N0 1/7
			Number of units (pieces) of the lading commodity	
AT806	184	<b>Volume Unit Qualifier</b>		X ID 1/1
			Code identifying the volume unit	
			E Cubic Feet	
AT807	183	<b>Volume</b>		X R 1/8
			Value of volumetric measure	

**Segment:** **L3** Total Weight and Charges  
**Position:** 010  
**Loop:**  
**Level:** Summary  
**Usage:** Optional  
**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>Name</u>	
<u>Des.</u>	<u>Element</u>		
<u>Attributes</u>			
L301	81	<b>Weight</b>	X R 1/10
		Numeric value of weight	
L302	187	<b>Weight Qualifier</b>	X ID 1/2
		Code defining the type of weight	
		A3 Shippers Weight	
		G Gross Weight	
L303	60	<b>Freight Rate</b>	X R 1/9
		Rate that applies to the specific commodity	
L304	122	<b>Rate/Value Qualifier</b>	X ID 2/2
		Code qualifying how to extend charges or interpret value	
		FR Flat Rate	
L305	58	<b>Charge</b>	O N2 1/12
		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	
L306	191	<b>Advances</b>	O N2 1/9
		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	
L308	150	<b>Special Charge or Allowance Code</b>	O ID 3/3
		Code identifying type of special charge or allowance	
		CSC Contract Service Charge	
L309	183	<b>Volume</b>	X R 1/8
		Value of volumetric measure	
L310	184	<b>Volume Unit Qualifier</b>	X ID 1/1
		Code identifying the volume unit	
		E Cubic Feet	
L311	80	<b>Lading Quantity</b>	O N0 1/7
		Number of units (pieces) of the lading commodity	
L312	188	<b>Weight Unit Code</b>	O ID 1/1
		Code specifying the weight unit	
		L Pounds	



**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>	
M	<u>SE01</u>	96	<b>Number of Included Segments</b> Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
M	SE02	329	<b>Transaction Set Control Number</b> 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