



EDI Specifications  
X12 4010 204  
Motor Carrier Load Tender



# 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		
	090	G62	Date/Time	O	1		n1
	100	MS3	Interline Information	O	1		
	130	NTE	Note/Special Instruction	O	10		
LOOP ID - 0100						5	
	140	N1	Name	O	1		n2
	160	N3	Address Information	O	2		
	170	N4	Geographic Location	O	1		
	180	L11	Business Instructions and Reference Number	O	1		
	190	G61	Contact	O	3		

## 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
	040	AT8	Shipment Weight, Packaging and Quantity Data	O	1		n4
	050	LAD	Lading Detail	O	999		n5
	063	PLD	Pallet Information	O	1		
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	1	
135	AT8	Shipment Weight, Packaging and Quantity Data	O	1	
LOOP ID - 0350				999	
150	OID	Order Identification Detail	O	1	n6
180	LAD	Lading Detail	O	999	

### Summary:

	<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>
	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. 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.

**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:**  
**Business Rules:** Variable Name: STST

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	ST01	143 Transaction Set Identifier Code Code uniquely identifying a Transaction Set 204 Motor Carrier Load Tender	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.
- 2 B209 is mandatory for rail transactions.

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
B202	140	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	O ID 2/4
B204	145	<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)	O AN 1/30
M	B206	<b>Shipment Method of Payment</b> Code identifying payment terms for transportation charges Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
	B207	<b>Shipment Qualifier</b> Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time L Single Load (Blind Memo) Memo--Incomplete Documentation	O ID 1/1

**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.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	B2A01	353	<b>Transaction Set Purpose Code</b>	<b>M ID 2/2</b>
			Code identifying purpose of transaction set	
			00 Original	
			01 Cancellation	
			02 Add	
			03 Delete	
			04 Change	
	B2A02	346	<b>Application Type</b>	<b>O ID 2/2</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	

**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:**

**Notes:**

All valid codes from the EDI 210 L108 can be used in the L1101.

Commonly used code logic:

If L1101 = MAB, Map Total Miles to L1103.

If L1101 = SOC, Map Stop-Off Charge to L1103.

If L1101 = FUE, Map Fuel Surcharge to L1103.

If L1101 = RTC, Map Cost Per Distance Charge to L1103.

Only one MAB and RTC codes will be sent per load.

Multiple SOC and FUE codes can be sent per load.

The numeric value found in L1103 has two implied decimal positions.

Example: Value 10109 is interpreted as 101.09

Examples:

L11\*FUE\*22\*1009~

L11\*MAB\*22\*1101~

L11\*SOC\*22\*40000~

L11\*RTC\*22\*175~

### Data Element Summary

**Ref. Data**

<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
L1101	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier All valid codes from the EDI 210 L108 can be used in this segment.	X AN 1/30
L1102	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification 14 Master Account Number Account number used to represent individual billing accounts which have been consolidated and/or summarized 2I Tracking Number BM Bill of Lading Number CN Carrier's Reference Number (PRO/Invoice) P8 Pickup Reference Number PF Prime Contractor Contract Number	X ID 2/3
L1103	352	<b>Description</b> A free-form description to clarify the related data elements and their content	X AN 1/80



**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

<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
<b><u>Des.</u></b>	<b><u>Element</u> <u>Name</u></b>	
<b>G6201</b>	<b>432 Date Qualifier</b>	<b>X ID 2/2</b>
	Code specifying type of date Refer to 004010 Data Element Dictionary for acceptable code values.	
<b>G6202</b>	<b>373 Date</b>	<b>X DT 8/8</b>
	Date expressed as CCYYMMDD	
<b>G6203</b>	<b>176 Time Qualifier</b>	<b>X ID 1/2</b>
	Code specifying the reported time Refer to 004010 Data Element Dictionary for acceptable code values.	
<b>G6204</b>	<b>337 Time</b>	<b>X 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 Time Code</b>	<b>O 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 Refer to 004010 Data Element Dictionary for acceptable code values.	

**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**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b><u>Des.</u></b>	<b><u>Element</u> <u>Name</u></b>	<b><u>Attributes</u></b>
<b>M</b>	<b>MS301</b>	<b>140 Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	<b>M ID 2/4</b>
<b>M</b>	<b>MS302</b>	<b>133 Routing Sequence Code</b> Code describing the relationship of a carrier to a specific shipment movement B Origin/Delivery Carrier (Any Mode)	<b>M ID 1/2</b>
	<b>MS304</b>	<b>91 Transportation Method/Type Code</b> Code specifying the method or type of transportation for the shipment A Air LT Less Than Trailer Load (LTL) M Motor (Common Carrier) MB Motor (Bulk Carrier) R Rail S Ocean	<b>O ID 1/2</b>

**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

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
NTE01	363	Note Reference Code	O ID 3/3
		Code identifying the functional area or purpose for which the note applies	
		OTH Other Instructions	
M	NTE02	352 Description	M AN 1/80
		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**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	<b>N101</b>	<b>98 Entity Identifier Code</b>	<b>M ID 2/3</b>
		Code identifying an organizational entity, a physical location, property or an individual	
		BI Trustee's Attorney	
		BS Bill and Ship To	
		BT Bill-to-Party	
		BY Buying Party (Purchaser)	
		CN Consignee	
		CO Ocean Tariff Conference	
		DC Destination Carrier	
		MF Manufacturer of Goods	
		N1 Notify Party no. 1	
		RE Party to receive commercial invoice remittance	
		SF Ship From	
		SH Shipper	
		ST Ship To	
	<b>N102</b>	<b>93 Name</b>	<b>X AN 1/60</b>
		Free-form name	
	<b>N103</b>	<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)	
		1 D-U-N-S Number, Dun & Bradstreet	
		2 Standard Carrier Alpha Code (SCAC)	
		3 Federal Maritime Commission (Ocean) (FMC)	

- 4 International Air Transport Association (IATA)
- 5 SIRET
- 6 Plant Code
- 7 Loading Dock
- 8 UCC/EAN Global Product Identification Prefix  
The first part of a UCC/EAN Product Identification Code within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system; A globally unique 3 to 10 digit code for the identification of the company assigning the remainder of the ID code, such as U.P.C., EAN -13, SCC-14, EAN-14 or SSCC-18
- 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix
- 10 Department of Defense Activity Address Code (DODAAC)
- 11 Drug Enforcement Administration (DEA)
- 12 Telephone Number (Phone)
- 13 Federal Reserve Routing Code (FRRC)
- 14 UCC/EAN Location Code Prefix  
The first part of a 13 digit UCC/EAN Location Code within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system. A globally unique 3 to 10 digit code for the identification of a company
- 15 Standard Address Number (SAN)
- 16 ZIP Code
- 91 Assigned by Seller or Seller's Agent
- 92 Assigned by Buyer or Buyer's Agent

**N104      67      Identification Code      X      AN 2/80**  
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**

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

**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**

<b>Ref.</b>	<b>Data</b>		<b>Attributes</b>
<b>Des.</b>	<b>Element</b>	<b>Name</b>	
N401	19	<b>City Name</b> Free-form text for city name	<b>O AN 2/30</b>
N402	156	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	<b>O ID 2/2</b>
N403	116	<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>
N404	26	<b>Country Code</b> Code identifying the country	<b>O ID 2/3</b>

**Segment:** **L11 Business Instructions and Reference Number**  
**Position:** 180  
**Loop:** 0100 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**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	
		14	Master Account Number	
			Account number used to represent individual billing accounts which have been consolidated and/or summarized	
		2I	Tracking Number	
		BM	Bill of Lading Number	
		CN	Carrier's Reference Number (PRO/Invoice)	
		P8	Pickup Reference Number	
		PF	Prime Contractor Contract Number	



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

**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>Data</u>	<u>Attributes</u>
	<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	
		LD Load	
		UL Unload	
	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	
		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	
		PC Piece	
	S507	183 Volume	X R 1/8
		Value of volumetric measure	
	S508	184 Volume Unit Qualifier	X ID 1/1
		Code identifying the volume unit	
		E Cubic Feet	
		X Cubic Meters	

**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**

<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
<b><u>Des.</u></b>	<b><u>Element</u> <u>Name</u></b>	<b><u>Attributes</u></b>
<b>L1101</b>	<b>127 Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	<b>X AN 1/30</b>
<b>L1102</b>	<b>128 Reference Identification Qualifier</b> Code qualifying the Reference Identification 22 Special Charge or Allowance Code	<b>X ID 2/3</b>
<b>L1103</b>	<b>352 Description</b> A free-form description to clarify the related data elements and their content	<b>X AN 1/80</b>

**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>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
G6201	432	<b>Date Qualifier</b>	X ID 2/2
		Code specifying type of date	
		10 Requested Ship Date/Pick-up Date	
		37 Ship Not Before Date	
		38 Ship Not Later Than Date	
		53 Deliver Not Before Date	
		54 Deliver No Later Than Date	
		68 Requested Delivery Date	
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	
		ED Earliest Delivery Time	
		I Earliest Requested Pick Up Time	
		K Latest Requested Pick Up Time	
		LD Latest Delivery 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

CT	Central Time
ET	Eastern Time
LT	Local Time
MT	Mountain Time
NT	Newfoundland Time
PT	Pacific Time
TT	Atlantic 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>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
AT801	187	<b>Weight Qualifier</b> Code defining the type of weight G Gross Weight	X ID 1/2
AT802	188	<b>Weight Unit Code</b> Code specifying the weight unit K Kilograms L Pounds	X ID 1/1
AT803	81	<b>Weight</b> Numeric value of weight	X R 1/10
AT804	80	<b>Lading Quantity</b> Number of units (pieces) of the lading commodity	O N0 1/7
AT805	80	<b>Lading Quantity</b> Number of units (pieces) of the lading commodity	O N0 1/7
AT806	184	<b>Volume Unit Qualifier</b> Code identifying the volume unit E Cubic Feet X Cubic Meters	X ID 1/1
AT807	183	<b>Volume</b> Value of volumetric measure	X R 1/8

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

**Position:** 050

**Loop:** 0300 Mandatory

**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>Attributes</u>
<u>Des.</u>	<u>Element</u>		
LAD01	211	<b>Packaging Form Code</b>	<b>X ID 3/3</b>
		Code for packaging form of the lading quantity	
		BAG	Bag
		BAL	Bale
		BDL	Bundle
		BOX	Box
		CAS	Case
		COL	Coil
		CRT	Crate
		CTN	Carton
		CYL	Cylinder
		KEG	Keg
		LSE	Loose
		PAL	Pail
		PCK	Packed - not otherwise specified
		PCS	Pieces
		PLN	Pipeline
		PLT	Pallet
		ROL	Roll
		TBE	Tube
		TNK	Tank
		TUB	Tub
LAD02	80	<b>Lading Quantity</b>	<b>X N0 1/7</b>

		Number of units (pieces) of the lading commodity	
<b>LAD05</b>	<b>188</b>	<b>Weight Unit Code</b>	<b>X ID 1/1</b>
		Code specifying the weight unit	
		K                  Kilograms	
		L                  Pounds	
<b>LAD06</b>	<b>81</b>	<b>Weight</b>	<b>X R 1/10</b>
		Numeric value of weight	
<b>LAD13</b>	<b>79</b>	<b>Lading Description</b>	<b>O AN 1/50</b>
		Description of an item as required for rating and billing purposes	
		Package measurement: Width x Length x Height	
		Unit of Measurement: Inches	
		Examples:	
		LAD*PLT*2***L*500*****48x40x10~	
		LAD*PLT*1***L*300*****30x20x10~	



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

**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>Data</u>	<u>Name</u>	<u>Attributes</u>
M	<b>N101</b>	<b>98 Entity Identifier Code</b>	<b>M ID 2/3</b>
		Code identifying an organizational entity, a physical location, property or an individual	
		BI Trustee's Attorney	
		BS Bill and Ship To	
		BT Bill-to-Party	
		BY Buying Party (Purchaser)	
		CN Consignee	
		CO Ocean Tariff Conference	
		DC Destination Carrier	
		MF Manufacturer of Goods	
		N1 Notify Party no. 1	
		RE Party to receive commercial invoice remittance	
		SF Ship From	
		SH Shipper	
		ST Ship To	
	<b>N102</b>	<b>93 Name</b>	<b>X AN 1/60</b>
		Free-form name	

**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**

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

**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**

<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
<b><u>Des.</u></b>	<b><u>Element</u> <u>Name</u></b>	
N401	19 <b>City Name</b> Free-form text for city name	O AN 2/30
N402	156 <b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
N403	116 <b>Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15
N404	26 <b>Country Code</b> 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>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	G6101	366	<b>Contact Function Code</b>	M ID 2/2
			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	
			DC Delivery Contact	
			SH Shipper Contact	
M	G6102	93	<b>Name</b>	M AN 1/60
			Free-form name	
	G6103	365	<b>Communication Number Qualifier</b>	X ID 2/2
			Code identifying the type of communication number	
			EM Electronic Mail	
			TE Telephone	
	G6104	364	<b>Communication Number</b>	X AN 1/80
			Complete communications number including country or area code when applicable	

**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>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
L502	79	<b>Lading Description</b> Description of an item as required for rating and billing purposes	O AN 1/50
L503	22	<b>Commodity Code</b> Code describing a commodity or group of commodities	X AN 1/30
L505	103	<b>Packaging Code</b> 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	O AN 3/5
		BAG            Bag	
		BAL            Bale	
		BDL            Bundle	
		BOX            Box	
		CAS            Case	
		COL            Coil	
		CRT            Crate	
		CTN            Carton	
		CYL            Cylinder	
		KEG            Keg	
		LSE            Loose	
		PAL            Pail	
		PCK            Packed - not otherwise specified	
		PCS            Pieces	
		PLN            Pipeline	
		PLT            Pallet	

ROL	Roll
TBE	Tube
TNK	Tank
TUB	Tub
01	Aluminum
04	As Specified by the DOT
07	Burlap
10	Chemically Hardened Fibre
13	Cloth
16	Cloth Top
19	Cloth or Fabric
22	Compressed
25	Corrugated or Solid
28	Double-wall Paper
31	Fibre
34	Fibre (Paperboard)
37	Fiberboard
40	Fiberboard Metal
43	Glass
46	In Inner Containers
48	Wire/Cord
	Something that binds, ties, or encircles the package/container to secure and maintain unit integrity
49	Insulated
50	Steel - Vinyl Coated
	Steel that has been covered with a plastic material
51	Wire Mesh
52	Iron or Steel
53	Jumbo
54	Special Jumbo
55	Lead
58	Metal
59	Metal Cans
61	Moisture Resistant
64	Molded Plastic
67	Multiple-wall Paper (2 or more walls)
70	Multiple-wall Paper (3 or more walls)
71	Not Otherwise Specified
72	Paper - VCI
	Water-resistant paper that is treated by the addition of materials to provide resistance to damage or

	deterioration by water in liquid form
73	Other than Glass
74	Other than Metal or Plastic Tubes, or Glass
75	Plastic - Vacuum Formed Packaging material that is formed by heating plastic sheet and drawing it against the mold surface by evacuating the air between the sheet and the mold
76	Paper
77	Plastic - Structural Foam A method of manufacturing containers and shipping devices by mixing plastic resins with a foaming agent, heating it and injecting the mix into a two-piece machined aluminum mold
78	Plastic - Injection Molded Packaging material that is formed by melting the material and then forcing it under pressure into a cavity of a closed mold
79	Plastic
80	Polyethylene Lined
81	Plastic - Virgin Plastic in the form of pellets, granules, powder, floc, or liquid that has not been subjected to use or processing other than for its initial manufacture
82	Pulpboard
83	Plastic - Regrind A plastic prepared from discarded articles that have been reprocessed, often changing some of its original properties
84	Polystyrene A polymer prepared by the polymerization of styrene as the sole monomer
85	Rubber
86	Foam In packaging, a cushioning material used to reduce shock and vibration or abrasion
88	Rubber and Fabric
89	Special
90	Standard
91	Stainless Steel
92	Tubes, Metal or Plastic
94	Wood
95	Single Wall Corrugated Board The structure formed by one corrugated inner member between two flat facings; also known as



			double face	
	96		Double Wall Corrugated Board	
			The structure formed by three flat facings and two intermediate corrugated members	
	97		Triple Wall Corrugated Board	
			The structure formed by four flat facings and three intermediate corrugated members	
<b>L506</b>	<b>87</b>	<b>Marks and Numbers</b>		<b>X AN 1/48</b>
			Marks and numbers used to identify a shipment or parts of a shipment	
<b>L507</b>	<b>88</b>	<b>Marks and Numbers Qualifier</b>		<b>O ID 1/2</b>
			Code specifying the application or source of Marks and Numbers (87)	
		W	Pallet Number	

**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>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
AT801	187	<b>Weight Qualifier</b> Code defining the type of weight G Gross Weight	X ID 1/2
AT802	188	<b>Weight Unit Code</b> Code specifying the weight unit K Kilograms L Pounds	X ID 1/1
AT803	81	<b>Weight</b> Numeric value of weight	X R 1/10
AT804	80	<b>Lading Quantity</b> Number of units (pieces) of the lading commodity	O N0 1/7
AT805	80	<b>Lading Quantity</b> Number of units (pieces) of the lading commodity	O N0 1/7
AT806	184	<b>Volume Unit Qualifier</b> Code identifying the volume unit E Cubic Feet X Cubic Meters	X ID 1/1
AT807	183	<b>Volume</b> Value of volumetric measure	X R 1/8

**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.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
OID01	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	
OID02	324		<b>Purchase Order Number</b>	X AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser	
OID04	355		<b>Unit or Basis for Measurement Code</b>	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 Each	
OID05	380		<b>Quantity</b>	X R 1/15
			Numeric value of quantity	
OID06	188		<b>Weight Unit Code</b>	X ID 1/1
			Code specifying the weight unit	
			K Kilograms	
			L Pounds	
OID07	81		<b>Weight</b>	X R 1/10
			Numeric value of weight	

**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>Attributes</u>
<u>Des.</u>	<u>Element</u>		
LAD01	211	<b>Packaging Form Code</b> Code for packaging form of the lading quantity PCS Pieces	X ID 3/3
LAD02	80	<b>Lading Quantity</b> Number of units (pieces) of the lading commodity	X N0 1/7
LAD05	188	<b>Weight Unit Code</b> Code specifying the weight unit K Kilograms L Pounds	X ID 1/1
LAD06	81	<b>Weight</b> Numeric value of weight	X R 1/10

**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>Attributes</u>
<u>Des.</u>	<u>Element Name</u>	
L301	81 <b>Weight</b> Numeric value of weight	X R 1/10
L302	187 <b>Weight Qualifier</b> Code defining the type of weight G Gross Weight	X ID 1/2
L309	183 <b>Volume</b> Value of volumetric measure	X R 1/8
L310	184 <b>Volume Unit Qualifier</b> Code identifying the volume unit E Cubic Feet X Cubic Meters	X ID 1/1
L311	80 <b>Lading Quantity</b> Number of units (pieces) of the lading commodity	O N0 1/7
L312	188 <b>Weight Unit Code</b> Code specifying the weight unit K Kilograms L Pounds	O ID 1/1

**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

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