

EDI Specifications X12 4010 204

Motor Carrier Load Tender



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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		
			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
	040	AT8	Shipment Weight, Packaging and Quantity Data	O	1		n4
	050	LAD	Lading Detail	O	999		n5
	063	PLD	Pallet Information	O	1		
	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	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:

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	ST01	143	Transaction Set Identifier Code	M ID 3/3
			Code uniquely identifying a Transaction Set	
		204	Motor Carrier Load Tender	
M	ST02	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	



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	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)	O AN 1/30
M	B206	Shipment Method of Payment Code identifying payment terms for transportation charges Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
	B207	Shipment Qualifier 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. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	B2A01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original 01 Cancellation 02 Add 03 Delete 04 Change	M ID 2/2
	B2A02	346	Application Type 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	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:

Notes:

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

Commonly used code logic:
 If L1101 = MAB, Map L1103 to total miles (no implied decimals)

If L1101 = BAS, Map L1103 to base rate (implied decimals).
 If L1101 = DSC, Map L1103 to discount (implied decimals).
 If L1101 = 400, Map L1103 to all in cost (implied decimals).
 If L1101 = FUE or 405, Map L1103 to fuel surcharge (implied decimals).
 If L1101 = SOC, Map L1103 to stop off charge (implied decimals).

Only one MAB, DSC, BAS, and 400 (if 400 is applicable) code will be sent per load.

The numeric value found in L1103 has two implied decimal positions for all values except total miles.

Example: Value 10109 is interpreted as 101.09

Examples:
 L11*FUE*22*1009~
 L11*MAB*22*1101~
 L11*SOC*22*40000~
 L11*BAS*22*136978~

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>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 Reference Identification Qualifier	
		All valid codes from the EDI 210 L108 can be used in this element.	
L1102	128	Reference Identification Qualifier	X ID 2/3
		Code qualifying the Reference Identification	
		14 Master AccountNumber	
		Account number used to represent individual billing accounts which have been consolidated and/or summarized	
		22 Special Charge or Allowance Code	



BD	Bid Number
BH	Lease Schedule Number - Blanket
BM	Bill of Lading Number
BN	Booking Number
CN	Carrier's Reference Number (PRO/Invoice)
CR	Customer Reference Number
CT	Contract Number
EQ	Equipment Number
IA	Internal Vendor Number
IV	Seller's Invoice Number
K1	Foreign Military Sales Notice Number Number assigned to control a foreign military sales shipment from shipper to consignee
LT	Lot Number
LU	Location Number
LV	License Plate Number
MB	Master Bill of Lading
OB	Ocean Bill of Lading
OC	Ocean Container Number
OQ	Order Number Qualifies a code that identifies the authorizing documentation for a household goods
P8	Pickup Reference Number
PF	Prime Contractor Contract Number Premium Freight Number
PO	Purchase Order Number
SI	Shipper's Identifying Number for Shipment (SID) A unique number (to the shipper) assigned by the shipper to identify the shipment
SN	Seal Number
ST	Store Number
SV	Service Level
VR	Vendor ID Number

L1103	352	Description	X AN 1/80
		A free-form description to clarify the related data elements and their content	



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.	Data			
<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		
		64 Must Respond By		
G6202	373	Date		X DT 8/8
		Date expressed as CCYYMMDD		
G6203	176	Time Qualifier		X ID 1/2
		Code specifying the reported time		
		1 Must Respond By		
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)		
G6205	623	Time Code		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		
		AD Alaska Daylight Time		
		AS Alaska Standard Time		
		AT Alaska Time		
		CD Central Daylight Time		
		CS Central Standard Time		
		CT Central Time		
		ED Eastern Daylight Time		
		ES Eastern Standard Time		
		ET Eastern Time		



GM	Greenwich Mean Time
LT	Local Time
MD	Mountain Daylight Time
MS	Mountain Standard Time
MT	Mountain Time
ND	Newfoundland Daylight Time
NS	Newfoundland Standard Time
NT	Newfoundland Time
PD	Pacific Daylight Time
PS	Pacific Standard Time
PT	Pacific Time
TD	Atlantic Daylight Time
TS	Atlantic Standard Time
TT	Atlantic Time
UT	Universal Time Coordinate



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>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	MS301	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	M ID 2/4
M	MS302	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement B Origin/Delivery Carrier (Any Mode)	M ID 1/2
	MS304	91	Transportation Method/Type Code 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) MP Motor (Package Carrier) R Rail S Ocean	O ID 1/2



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	Name	Attributes
<u>Des.</u>	<u>Element</u>		
NTE01	363	Note Reference Code	O ID 3/3
		Code identifying the functional area or purpose for which the note applies	
		EED Equipment Description	
		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

Ref.	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	
		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	
	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)	
		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

	<u>Ref.</u>	<u>Data</u>	<u>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: 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

Ref.	Data	Name	Attributes
<u>Des.</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 ID3/15
N404	26	Country Code Code identifying the country	O ID2/3



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

Ref.	Data		
<u>Des.</u>	<u>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 Reference Identification Qualifier	
L1102	128	Reference Identification Qualifier	X ID 2/3
		Code qualifying the Reference Identification	
	14	Master AccountNumber	
		Account number used to represent individual billing accounts which have been consolidated and/or summarized	
	22	Special Charge or Allowance Code	
	BD	Bid Number	
	BH	Lease Schedule Number - Blanket	
	BM	Bill of Lading Number	
	BN	Booking Number	
	CN	Carrier's Reference Number (PRO/Invoice)	
	CR	Customer Reference Number	
	CT	Contract Number	
	EQ	Equipment Number	
	IA	Internal VendorNumber	
	IV	Seller's InvoiceNumber	
	K1	Foreign Military Sales Notice Number	
		Number assigned to control a foreign military sales shipment from shipper to consignee	
	LT	Lot Number	
	LU	Location Number	
	LV	License Plate Number	
	MB	Master Bill ofLading	
	OB	Ocean Bill ofLading	
	OC	Ocean Container Number	



OQ	Order Number
	Qualifies a code that identifies the authorizing documentation for a household goods
P8	Pickup Reference Number
PF	Prime Contractor Contract Number
PO	Purchase Order Number
SI	Shipper's Identifying Number for Shipment (SID)
	A unique number (to the shipper) assigned by the shipper to identify the shipment
SN	Seal Number
ST	Store Number
VR	Vendor ID Number

L1103 352 Description X AN 1/80
A free-form description to clarify the related data elements and their content



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	Contact Function Code	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	Name	M AN 1/60
			Free-form name	
	G6103	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number	
			EM Electronic Mail	
			TE Telephone	
	G6104	364	Communication Number	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

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	S501	165	Stop Sequence Number	M NO 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	
			C Cubic Centimeters	
			E Cubic Feet	
			N Cubic Inches	
			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

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>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 Reference Identification Qualifier	
L1102	128	Reference Identification Qualifier	X ID 2/3
		Code qualifying the Reference Identification	
	14	Master AccountNumber	
		Account number used to represent individual billing accounts which have been consolidated and/or summarized	
	22	Special Charge or Allowance Code	
	BD	Bid Number	
	BH	Lease Schedule Number - Blanket	
	BM	Bill of Lading Number	
	BN	Booking Number	
	CN	Carrier's Reference Number (PRO/Invoice)	
	CR	Customer Reference Number	
	CT	Contract Number	
	EQ	Equipment Number	
	IA	Internal VendorNumber	
	IV	Seller's InvoiceNumber	
	K1	Foreign Military Sales Notice Number	
		Number assigned to control a foreign military sales shipment from shipper to consignee	
	LT	Lot Number	
	LU	Location Number	
	LV	License Plate Number	
	MB	Master Bill ofLading	
	OB	Ocean Bill ofLading	
	OC	Ocean Container Number	



OQ	Order Number
	Qualifies a code that identifies the authorizing documentation for a household goods
P8	Pickup Reference Number
PF	Prime Contractor Contract Number
	Premium FreightNumber
PO	Purchase Order Number
SI	Shipper's Identifying Number for Shipment (SID)
	A unique number (to the shipper) assigned by the shipper to identify the shipment
SN	Seal Number
ST	Store Number
VR	Vendor ID Number

L1103	352	Description	X AN 1/80
		A free-form description to clarify the related data elements and their content	



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		
<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	
		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	Date	X DT 8/8
		Date expressed as CCYYMMDD	
G6203	176	Time Qualifier	X ID 1/2
		Code specifying the reported time	
		E Estimated Arrival Time	
		I Earliest Requested Pick Up Time	
		K Latest Requested Pick Up Time	
		LD Latest Delivery Time	
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)	
G6205	623	Time Code	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	
		AD Alaska Daylight Time	



AS	Alaska Standard Time
AT	Alaska Time
CD	Central Daylight Time
CS	Central Standard Time
CT	Central Time
ED	Eastern Daylight Time
ES	Eastern Standard Time
ET	Eastern Time
GM	Greenwich Mean Time
LT	Local Time
MD	Mountain Daylight Time
MS	Mountain Standard Time
MT	Mountain Time
ND	Newfoundland Daylight Time
NS	Newfoundland Standard Time
NT	Newfoundland Time
PD	Pacific Daylight Time
PS	Pacific Standard Time
PT	Pacific Time
TD	Atlantic Daylight Time
TS	Atlantic Standard Time
TT	Atlantic Time
UT	Universal Time Coordinate



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	Weight Qualifier Code defining the type of weight G Gross Weight	X ID 1/2
AT802	188	Weight Unit Code Code specifying the weight unit 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 (pieces) of the lading commodity	O NO 1/7
AT805	80	Lading Quantity Number of units (pieces) of the lading commodity	O NO 1/7
AT806	184	Volume Unit Qualifier Code identifying the volume unit Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
AT807	183	Volume 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. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
LAD01	211	Packaging Form Code	X ID 3/3
		Code for packaging form of the lading quantity	
		BAG Bag	
		BAL Bale	
		BDL Bundle	
		BIN Bin	
		BOX Box	
		CAB Cabinet	
		CAG Cage	
		CAS Case	
		CNT Container	
		COL Coil	
		CRT Crate	
		CYL Cylinder	
		DRM Drum	
			A large container with a cylindrical shape; top may have removable or sealed top sides may be fiberboard or metal
		FRM Frame	
		HRB On Hanger or Rack in Boxes	
		KEG Keg	
		LSE Loose	
		LVN Lift Van	
		PAL Pail	
		PCK Packed - not otherwise specified	
		PCS Pieces	



PKG	Package
PLN	Pipeline
PLT	Pallet
RCK	Rack
REL	Reel
ROL	Roll
SKD	Skid
TBE	Tube
TBN	Tote Bin
TNK	Tank
TUB	Tub

LAD02	80	Lading Quantity	X NO 1/7
		Number of units (pieces) of the lading commodity	
LAD03	188	Weight Unit Code	X ID 1/1
		Code specifying the weight unit Refer to 004010 Data Element Dictionary for acceptable code values.	
LAD04	395	Unit Weight	X R 1/8
		Numeric value of weight per unit	
LAD05	188	Weight Unit Code	X ID 1/1
		Code specifying the weight unit Refer to 004010 Data Element Dictionary for acceptable code values.	
LAD06	81	Weight	X R 1/10
		Numeric value of weight	
LAD13	79	Lading Description	O AN 1/50
		Description of an item as required for rating and billing purposes	
		Package measurement: Length x Width x Height Unit of Mesurement: Inches Examples: LAD*PLT*2***L*500*****48x40x10~ LAD*PLT*1***L*300*****30x20x10~	



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

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</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	Description	M AN 1/80
		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

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	N101	98 Entity Identifier Code	M ID 2/3
		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	
	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)	
		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: 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>Data</u>	<u>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
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

Ref.	Data	Name	Attributes
<u>Des.</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 ID3/15
N404	26	Country Code Code identifying the country	O ID2/3



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. 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 BI Bill Inquiry Contact Service Provider contact for making inquires about information on the invoice DC Delivery Contact SH Shipper Contact	M ID 2/2
M	G6102	93	Name Free-form name	M AN 1/60
	G6103	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail TE Telephone	X ID 2/2
	G6104	364	Communication Number 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

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
L502	79	Lading Description	O AN 1/50
		Description of an item as required for rating and billing purposes	
L503	22	Commodity Code	X AN 1/30
		Code describing a commodity or group of commodities	
L505	103	Packaging Code	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	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
L506	87	Marks and Numbers	X AN 1/48
		Marks and numbers used to identify a shipment or parts of a shipment	
L507	88	Marks and Numbers Qualifier	O ID 1/2
		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	Weight Qualifier Code defining the type of weight G Gross Weight	X ID 1/2
AT802	188	Weight Unit Code Code specifying the weight unit 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 (pieces) of the lading commodity	O NO 1/7
AT805	80	Lading Quantity Number of units (pieces) of the lading commodity	O NO 1/7
AT806	184	Volume Unit Qualifier Code identifying the volume unit Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
AT807	183	Volume 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. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
OID01	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference IdentificationQualifier	X AN 1/30
OID02	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser	X AN 1/22
OID04	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each	X ID 2/2
OID05	380	Quantity Numeric value of quantity	X R 1/15
OID06	188	Weight Unit Code Code specifying the weight unit Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
OID07	81	Weight Numeric value of weight	X R 1/10
OID08	184	Volume Unit Qualifier Code identifying the volume unit Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
OID09	183	Volume Value of volumetric measure	X R 1/8



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>Element</u>	<u>Name</u>	<u>Attributes</u>
LAD01	211		Packaging Form Code Code for packaging form of the lading quantity PCS Pieces	X ID 3/3
LAD02	80		Lading Quantity Number of units (pieces) of the lading commodity	X NO 1/7
LAD03	188		Weight Unit Code Code specifying the weight unit Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
LAD04	395		Unit Weight Numeric value of weight per unit	X R 1/8
LAD05	188		Weight Unit Code Code specifying the weight unit Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
LAD06	81		Weight Numeric value of weight	X R 1/10
LAD13	79		Lading Description Description of an item as required for rating and billing purposes	O AN 1/50



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

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
L301	81	Weight	X R 1/10
		Numeric value of weight	
L302	187	Weight Qualifier	X ID 1/2
		Code defining the type of weight	
		G Gross Weight	
L309	183	Volume	X R 1/8
		Value of volumetric measure	
L310	184	Volume Unit Qualifier	X ID 1/1
		Code identifying the volume unit	
		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	
L312	188	Weight Unit Code	O ID 1/1
		Code specifying the weight unit	
		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.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	SE01	96	Number of Included Segments	M NO 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	