

# 210 Motor Carrier Freight Details and Invoice

Functional Group ID=**IM**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Motor Carrier Freight Details and Invoice Transaction Set (210) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide detail information for charges for services rendered by a motor carrier. It is used both as a motor carrier invoice to request payment or as details pertaining to motor freight shipment(s) charges.

## Notes:

*This document identifies the AAFES business requirements for the Motor Carrier Freight Details and Invoice with all data segments and their corresponding elements defined. Segments not required by the standards, but required by AAFES, are marked as "RECOMMENDED". All elements marked with "R" are required by the AAFES applications and must always be received by AAFES. All elements marked "M" are mandatory by the standards. All unmarked elements may be transmitted as necessary.*

## Heading:

<u>Page No.</u>	<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>
3	0100	ST	Transaction Set Header	M	1		
4	0200	B3	Beginning Segment for Carrier's Invoice	M	1		
Not Used	0300	C2	Bank ID	O	1		
Not Used	0400	C3	Currency	O	1		
Not Used	0500	ITD	Terms of Sale/Deferred Terms of Sale	O	1		
6	0600	N9	Reference Identification	O	300		
7	0700	G62	Date/Time	O	6		
8	0800	R3	Route Information - Motor	O	12		
Not Used	0900	H3	Special Handling Instructions	O	6		
11	1000	K1	Remarks	O	10		
LOOP ID - 0100						10	
12	1100	N1	Name	O	1		
Not Used	1200	N2	Additional Name Information	O	1		
13	1300	N3	Address Information	O	2		
14	1400	N4	Geographic Location	O	1		
Not Used	1500	N9	Reference Identification	O	5		
LOOP ID - 0200						10	
15	1600	N7	Equipment Details	O	1		
Not Used	1700	M7	Seal Numbers	O	2		
LOOP ID - 0250						999999	
Not Used	1800	OID	Order Identification Detail	O	1		
Not Used	1850	SDQ	Destination Quantity	O	10		

## Detail:

<u>Page No.</u>	<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	
16	0100	S5	Stop-off Details	O	1		nl
17	0200	N9	Reference Identification	O	10		
18	0300	G62	Date/Time	O	10		
Not Used	0400	H3	Special Handling Instructions	O	6		

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LOOP ID - 0305			999999	
Not Used	0450	OID	Order Identification Detail	O 1
Not Used	0470	SDQ	Destination Quantity	O 10
LOOP ID - 0310			2	
19	0500	N1	Name	O 1
Not Used	0600	N2	Additional Name Information	O 1
20	0700	N3	Address Information	O 2
21	0800	N4	Geographic Location	O 1
Not Used	0900	N9	Reference Identification	O 5
LOOP ID - 0320			10	
22	1000	N7	Equipment Details	O 1
Not Used	1100	M7	Seal Numbers	O 2
LOOP ID - 0400			9999	
23	1200	LX	Assigned Number	O 1
Not Used	1300	N9	Reference Identification	O 5
Not Used	1370	POD	Proof of Delivery	O 1
24	1400	L5	Description, Marks and Numbers	O 30
Not Used	1500	H1	Hazardous Material	O 3
Not Used	1600	H2	Additional Hazardous Material Description	O 2
25	1700	L0	Line Item - Quantity and Weight	O 10
27	1800	L1	Rate and Charges	O 10
Not Used	1900	L4	Measurement	O 10
28	2000	L7	Tariff Reference	O 10
29	2100	K1	Remarks	O 10
LOOP ID - 0430			999999	
Not Used	2200	OID	Order Identification Detail	O 1
Not Used	2300	SDQ	Destination Quantity	O 10
LOOP ID - 0460			999999	
Not Used	2400	N1	Name	O 1 n2
Not Used	2500	N2	Additional Name Information	O 1
Not Used	2600	N3	Address Information	O 2
Not Used	2700	N4	Geographic Location	O 1
Not Used	2800	N9	Reference Identification	O 10
LOOP ID - 0463			999999	
Not Used	3000	CD3	Carton (Package) Detail	O 1
Not Used	3100	N9	Reference Identification	O 20
Not Used	3200	H6	Special Services	O 10
Not Used	3300	L9	Charge Detail	O 10
Not Used	3350	POD	Proof of Delivery	O 1
Not Used	3400	G62	Date/Time	O 1
LOOP ID - 0465			999999	
Not Used	3500	OID	Order Identification Detail	O 1
Not Used	3600	SDQ	Destination Quantity	O 10

**Summary:**

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
30	0100	L3	Total Weight and Charges	O	1		
31	0200	SE	Transaction Set Trailer	M	1		

**Transaction Set Notes**

1. Loops 0300, 0305, 0310 and 0320 shall only be used to identify locations and associated data for loading and unloading of freight.
2. Loops 0460 and 0463 shall be used to identify all small package carrier details related to the consignee (delivery location) and the related shipment. The shipper shall be identified in loop 0100.

**Segment:** **ST** Transaction Set Header  
**Position:** 0100  
**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).
- 2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.

**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set 210 Motor Carrier Freight Details and Invoice	M 1 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 1 AN 4/9

**Segment:** **B3** Beginning Segment for Carrier's Invoice  
**Position:** 0200  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To transmit basic data relating to the carrier's invoice  
**Syntax Notes:** 1 If either B309 or B310 is present, then the other is required.  
**Semantic Notes:** 1 B306 is the billing date.  
 2 On collect freight bills the data in B309 will be the actual delivery date. For the shipments invoiced prior to delivery, the B309 will be the estimated date of delivery.  
 3 If B314 is used, B304 will indicate the party or parties responsible for payment of the transportation terms identified in B314.

**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
		<b>147</b>	<b>Shipment Qualifier</b> Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time B Bill of Lading for Individual Shipment C Consolidated Shipment F Stop-off Shipment Shipment with sub-shipments to be loaded or unloaded enroute to final destination M Master Bill of Lading for Assembly, Distribution and Volume Shipment A bill of lading with multiple delivery locations	<b>O 1 ID 1/1</b>
<b>M</b>	<b>B302</b>	<b>76</b>	<b>Invoice Number</b> Identifying number assigned by issuer	<b>M 1 AN 1/22</b>
<b>R</b>	<b>B303</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) <i>If carrier received a 204 Transaction Set from AAFES, then this element must contain the AAFES TMS Shipper Reference Number.</i> <i>The AAFES TMS Shipper Reference Number is sent in element B204 in the 204 Transaction Set.</i>	<b>O 1 AN 1/30</b>
<b>M</b>	<b>B304</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 1 ID 2/2</b>
	<b>B305</b>	<b>188</b>	<b>Weight Unit Code</b> Code specifying the weight unit K Kilograms L Pounds	<b>O 1 ID 1/1</b>
<b>M</b>	<b>B306</b>	<b>373</b>	<b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year <i>Billing Date.</i>	<b>M 1 DT 8/8</b>
<b>M</b>	<b>B307</b>	<b>193</b>	<b>Net Amount Due</b> Total charges to be paid by the receiver of this transaction set expressed in the standard monetary denomination for the currency specified	<b>M 1 N2 1/12</b>
<b>R</b>	<b>B309</b>	<b>32</b>	<b>Delivery Date</b>	<b>X 1 DT 8/8</b>

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Date for delivery of cargo to final consignee or to next mode expressed in format CCYYMMDD where CC represents the first two digits of the calendar year

**Actual Delivery Date.**

	<b>B310</b>	<b>374</b>	<b>Date/Time Qualifier</b>	<b>X</b>	<b>1</b>	<b>ID 3/3</b>
			Code specifying type of date or time, or both date and time			
			017 Estimated Delivery			
			035 Delivered			
			140 Actual			
<b>M</b>	<b>B311</b>	<b>140</b>	<b>Standard Carrier Alpha Code</b>	<b>M</b>	<b>1</b>	<b>ID 2/4</b>
			Standard Carrier Alpha Code			

**Segment:** **N9 Reference Identification**  
**Position:** 0600  
**Loop:**  
**Level:** Heading  
**Usage:** Optional (Recommended)  
**Max Use:** 300  
**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier  
**Syntax Notes:**

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

- 1 N906 reflects the time zone which the time reflects.
- 2 N907 contains data relating to the value cited in N902.

**Comments:**  
**Notes:** *AAFES will accept a maximum of 300 N9 segments.*

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification PO Purchase Order Number	M 1 ID 2/3
R	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <i>AAFES Purchase Order Number.</i> <i>AAFES PO number will not exceed 10 digits.</i>	X 1 AN 1/50

**Segment:** **G62** Date/Time  
**Position:** 0700  
**Loop:**  
**Level:** Heading  
**Usage:** Optional (Recommended)  
**Max Use:** 6  
**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>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
R	G6201	432	<b>Date Qualifier</b> Code specifying type of date 86 Actual Pickup Date	X 1 ID 2/2
R	G6202	373	<b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	X 1 DT 8/8

**Segment:** **R3** **Route Information - Motor**  
**Position:** 0800  
**Loop:**  
**Level:** Heading  
**Usage:** Optional (Recommended)  
**Max Use:** 12  
**Purpose:** To specify carrier and routing sequences and details  
**Syntax Notes:**  
 1 If R311 is present, then R310 is required.  
 2 If R312 is present, then R311 is required.  
**Semantic Notes:**  
 1 R303 is the station or city name at which carriers interchange shipments  
 2 R307 is the carrier's billing date.  
 3 R308 is the amount due the carrier.  
**Comments:**

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element</b>		
M	R301	<b>140 Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	M 1 ID 2/4
M	R302	<b>133 Routing Sequence Code</b> Code describing the relationship of a carrier to a specific shipment movement B Origin/Delivery Carrier (Any Mode)	M 1 ID 1/2
R	R304	<b>91 Transportation Method/Type Code</b> Code specifying the method or type of transportation for the shipment 6 Military Official Mail 7 Mail Type of transportation provided by the U.S. Postal Service A Air AC Air Charter AE Air Express AF Air Freight AH Air Taxi FAA approved carrier utilizing a 1 or 2 engine aircraft for on demand service AR Armed Forces Courier Service (ARFCOS) A military organization whose mission involves the receipt, movement, and delivery of special categories of material B Barge BP Book Postal BU Bus C Consolidation CE Customer Pickup / Customer's Expense D Parcel Post DA Driveaway Service Movement of wheeled vehicle, wheeled equipment, or wheeled chassis of which is powered by a self-contained power unit (includes tractor/trailer combination) DW Driveaway, Truckaway, Towaway DoD policy includes all three terms in one. They mean collectively, a transportation method whereby a vehicle is moved under its own power by a driver, or loaded into or upon a carrier's equipment, or towed by carrier's equipment E Expedited Truck ED Air Mobility Command (AMC) Channel and Special Assignment Airlift Mission	O 1 ID 1/2



	Military operated logistic distribution system within the indicated theaters of operation
F	Flyaway When an aircraft is sold to a customer, the delivery flight (non-revenue) includes goods and products (such as spare parts) as part of the contract
FA	Air Freight Forwarder A firm other than a railroad, motor, or water carrier, which represents itself as a common carrier and undertakes to assemble and consolidate shipments or provide for same and assumes responsibility for the air transportation of such property from point of receipt to its destination. Delivery is "Held in Bond"
FL	Motor (Flatbed)
GG	Geographic Receiving/Shipping A collection of shipments that involve multiple origins, multiple destinations, and a single trailer, and are paid under a single freight bill
GR	Geographic Receiving A collection of shipments that involve a single origin, multiple destinations, and a single trailer, and are paid under a single freight bill
GS	Geographic Shipping A collection of shipments that involve multiple origins, a single destination, and a single trailer, and are paid under a single freight bill
H	Customer Pickup
HH	Household Goods Truck
I	Common Irregular Carrier
J	Motor
K	Backhaul
L	Contract Carrier
LA	Military Air Air Force long-term contract airlift service within the continental United States for the movement of cargo in support of the logistics systems of the Military Services and Defense Agencies
LT	Less Than Trailer Load (LTL)
M	Motor (Common Carrier)
MB	Motor (Bulk Carrier)
MP	Motor (Package Carrier)
N	Private Vessel
O	Containerized Ocean
P	Private Carrier
PA	Pooled Air Outbound shipment from an airport consolidation point to a final destination via an air move
PG	Pooled Piggyback Outbound shipment consisting of a trailer on a railcar from a consolidation point to a final destination via rail move
PL	Pipeline
PP	Pool to Pool Shipment moves from one consolidation point to another consolidation point before final delivery
PR	Pooled Rail
PT	Pooled Truck
Q	Conventional Ocean
R	Rail
RC	Rail, Less than Carload

	Movement by rail of a quantity of freight less than that required for the application of a carload rate
RR	Roadrailer Used for shipments that travel by roadrailer, i.e., a multimodal rail/highway trailer
S	Ocean
SB	Shipper Agent Agent for piggyback code consolidation
SC	Shipper Agent (Truck) Motor carrier agent for piggyback trailer consolidators
SD	Shipper Association Non-profit cooperative consolidator or distributors of shipments by member firms
SE	Sea/Air
SR	Supplier Truck
SS	Steamship
ST	Stack Train
T	Best Way (Shippers Option)
TA	Towaway Service Movement of shipper owned trailers or semi-trailers loaded and/or pulled by carrier furnished power unit
TC	Cab (Taxi)
TT	Tank Truck
U	Private Parcel Service
VA	Motor (Van)
VE	Vessel, Ocean
VL	Vessel, Lake
W	Inland Waterway
WP	Water or Pipeline Intermodal Movement A water move by barge or tanker followed by a pipeline move to the destination
X	Intermodal (Piggyback)
Y	Military Intratheater Airlift Service Method of movement of material from a point in a theater to another point within the same theater by military controlled aircraft
Y1	Ocean Conference Carrier
Y2	Ocean Non-Conference Carrier
ZZ	Mutually defined
	<b><i>Garments on Hanger.</i></b>

**Segment:** **K1** Remarks  
**Position:** 1000  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To transmit information in a free-form format for comment or special instruction  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element Name</u>		<u>Attributes</u>	
		<u>61</u>			
M	<b>K101</b>	<b>61</b>	<b>Free-Form Message</b> Free-form information	M	1 AN 1/30
	<b>K102</b>	<b>61</b>	<b>Free-Form Message</b> Free-form information	O	1 AN 1/30

- Segment:** **N1** Name
- Position:** 1100
- Loop:** 0100 Optional (Recommended)
- Level:** Heading
- Usage:** Optional (Recommended)
- 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.
- Notes:** *AAFES will accept a maximum of five N1 loops.*

**Data Element Summary**

Ref.	Data Element	Name	Attributes	
			M	1 ID 2/3
M	N101	98 Entity Identifier Code	M	1 ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual		
		BT Bill-to-Party		
		CN Consignee		
		CS Consolidator		
		MC Motor Carrier		
		OC Origin Carrier		
		OR Origin Drayman		
		OT Origin Terminal		
		SF Ship From		
		SH Shipper		
		ST Ship To		
R	N102	93 Name	X	1 AN 1/60
		Free-form name		

**Segment:** **N3** Address Information  
**Position:** 1300  
**Loop:** 0100 Optional (Recommended)  
**Level:** Heading  
**Usage:** Optional (Recommended)  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:** *This segment may repeat a max of two times to include all address information.*

**Data Element Summary**

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

**Segment:** **N4 Geographic Location**  
**Position:** 1400  
**Loop:** 0100 Optional (Recommended)  
**Level:** Heading  
**Usage:** Optional (Recommended)  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:**

- 1 Only one of N402 or N407 may be present.
- 2 If N406 is present, then N405 is required.
- 3 If N407 is present, then N404 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>	
<b>R</b>	<b>N401</b>	<b>19</b>	<b>City Name</b> Free-form text for city name	<b>O 1 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>X 1 ID 2/2</b>
<b>R</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 1 ID 3/15</b>
	<b>N404</b>	<b>26</b>	<b>Country Code</b> Code identifying the country	<b>X 1 ID 2/3</b>

**Segment:** **N7 Equipment Details**  
**Position:** 1600  
**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>Attributes</u>
<u>Des.</u>	<u>Element</u>		
N701	206	<b>Equipment Initial</b> Prefix or alphabetic part of an equipment unit's identifying number	O 1 AN 1/4
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 1 AN 1/10
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 1 N0 4/5

**Segment:** **S5 Stop-off Details**  
**Position:** 0100  
**Loop:** 0300 Optional  
**Level:** Detail  
**Usage:** Optional  
**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. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</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 1 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 PL Part Load PU Part Unload UL Unload	M 1 ID 2/2
R	S503	81	<b>Weight</b> Numeric value of weight	X 1 R 1/10
R	S504	188	<b>Weight Unit Code</b> Code specifying the weight unit L Pounds	X 1 ID 1/1



**Segment:** **N9 Reference Identification**  
**Position:** 0200  
**Loop:** 0300 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier  
**Syntax Notes:**

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

- 1 N906 reflects the time zone which the time reflects.
- 2 N907 contains data relating to the value cited in N902.

**Comments:**  
**Notes:** *AAFES will accept a maximum of ten N9 segments per iteration of Loop 0300.*

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	M 1 ID 2/3
	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X 1 AN 1/50

**Segment:** **G62** Date/Time  
**Position:** 0300  
**Loop:** 0300 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**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:**

**Notes:**

*AAFES will accept a max of two G62 segments per iteration of Loop 0300.*

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>G6201</b>	<b>432</b>	<b>Date Qualifier</b> Code specifying type of date 35 Delivered on This Date 86 Actual Pickup Date	<b>X 1 ID 2/2</b>
<b>G6202</b>	<b>373</b>	<b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	<b>X 1 DT 8/8</b>

- Segment:** **N1** Name
- Position:** 0500
- 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.
- Notes:** *AAFES will accept a maximum of two N1 loops.*

**Data Element Summary**

Ref.	Data Element	Name	Attributes	
			M	1 ID 2/3
M	N101	98 Entity Identifier Code		
		Code identifying an organizational entity, a physical location, property or an individual		
		BT Bill-to-Party		
		CN Consignee		
		CS Consolidator		
		MC Motor Carrier		
		OC Origin Carrier		
		OR Origin Drayman		
		OT Origin Terminal		
		SF Ship From		
		SH Shipper		
		ST Ship To		
R	N102	93 Name	X	1 AN 1/60
		Free-form name		

**Segment:** **N3** Address Information  
**Position:** 0700  
**Loop:** 0310 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:** *This segment may repeat a max of two times to include the complete address.*

**Data Element Summary**

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

**Segment:** **N4 Geographic Location**  
**Position:** 0800  
**Loop:** 0310 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:**

- 1 Only one of N402 or N407 may be present.
- 2 If N406 is present, then N405 is required.
- 3 If N407 is present, then N404 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>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
R	N401	19	<b>City Name</b> Free-form text for city name	O 1 AN 2/30
	N402	156	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	X 1 ID 2/2
R	N403	116	<b>Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O 1 ID 3/15
	N404	26	<b>Country Code</b> Code identifying the country	X 1 ID 2/3

**Segment:** **N7 Equipment Details**  
**Position:** 1000  
**Loop:** 0320 Optional  
**Level:** Detail  
**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>Attributes</u>
<u>Des.</u>	<u>Element</u>		
	<b>206</b>	<b>Equipment Initial</b> Prefix or alphabetic part of an equipment unit's identifying number	<b>O 1 AN 1/4</b>
<b>M</b>	<b>N702</b>	<b>207 Equipment Number</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	<b>M 1 AN 1/10</b>
	<b>N715</b>	<b>567 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)	<b>O 1 N0 4/5</b>

**Segment:** **LX** Assigned Number  
**Position:** 1200  
**Loop:** 0400 Optional (Recommended)  
**Level:** Detail  
**Usage:** Optional (Recommended)  
**Max Use:** 1  
**Purpose:** To reference a line number in a transaction set  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	LX01	554	Assigned Number Number assigned for differentiation within a transaction set	M 1 N0 1/6

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

**Position:** 1400

**Loop:** 0400 Optional (Recommended)

**Level:** Detail

**Usage:** Optional (Recommended)

**Max Use:** 30

**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.

**Notes:** *AAFES will accept a maximum of five L5 segments.*

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Element</u>		
	<b>L501</b>	<b>213 Lading Line Item Number</b>	<b>O 1 N0 1/3</b>
		Sequential line number for a lading item	
<b>R</b>	<b>L502</b>	<b>79 Lading Description</b>	<b>O 1 AN 1/50</b>
		Description of an item as required for rating and billing purposes	



**Segment:** **L0** Line Item - Quantity and Weight

**Position:** 1700

**Loop:** 0400 Optional (Recommended)

**Level:** Detail

**Usage:** Optional (Recommended)

**Max Use:** 10

**Purpose:** To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data

- Syntax Notes:**
- 1 If either L002 or L003 is present, then the other is required.
  - 2 If either L004 or L005 is present, then the other is required.
  - 3 If either L006 or L007 is present, then the other is required.
  - 4 If either L008 or L009 is present, then the other is required.
  - 5 If L011 is present, then L004 is required.
  - 6 If either L013 or L015 is present, then the other is required.

- Semantic Notes:**
- 1 L008 is the number of handling units of the line item tendered to the carrier.
  - 2 L013 can only be used if the code in L009 is PLT, SKD, or SLP.
  - 3 L015 designates whether the carrier will be required to verify the number of units contained on a pallet, slip sheet or skid. Code "Y" indicates that the carrier will be required to verify. Code "N" indicates that the carrier will not be required to verify.

- Comments:**
- 1 L013 is used to convey the total number of boxes, cartons, or pieces contained on a pallet, skid, or slip sheet for the line item.

**Data Element Summary**

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
L001	213	<b>Lading Line Item Number</b> Sequential line number for a lading item	O	1 N0 1/3
L002	220	<b>Billed/Rated-as Quantity</b> Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81	X	1 R 1/11
L003	221	<b>Billed/Rated-as Qualifier</b> Code identifying the type of quantity or value on which the rate or item pricing is based	X	1 ID 2/2
		CF Cubic Foot		
		DM Miles		
		EA Each		
		FR Flat Rate		
		GL Gallon		
		LB Pound		
		LC 100 Pounds		
		NL Load		
R	L004	<b>81 Weight</b> Numeric value of weight	X	1 R 1/10
R	L005	<b>187 Weight Qualifier</b> Code defining the type of weight	X	1 ID 1/2
		F Deficit Weight		
		G Gross Weight		
		N Actual Net Weight		
		T Tare Weight		
	L006	<b>183 Volume</b> Value of volumetric measure	X	1 R 1/8
	L007	<b>184 Volume Unit Qualifier</b> Code identifying the volume unit	X	1 ID 1/1
		E Cubic Feet		
		G Gallons		
R	L008	<b>80 Lading Quantity</b> Number of units (pieces) of the lading commodity	X	1 N0 1/7
R	L009	<b>211 Packaging Form Code</b>	X	1 ID 3/3

Army and Air Force Exchange Service

Code for packaging form of the lading quantity

PCS Pieces

PLT Pallet

SKD Skid

**R**

**L011**

**188**

**Weight Unit Code**

Code specifying the weight unit

K Kilograms

L Pounds

**O 1 ID 1/1**

**Segment: L1 Rate and Charges**

**Position:** 1800  
**Loop:** 0400 Optional (Recommended)  
**Level:** Detail  
**Usage:** Optional (Recommended)  
**Max Use:** 10

**Purpose:** To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements

- Syntax Notes:**
- 1 If either L102 or L103 is present, then the other is required.
  - 2 At least one of L104 L105 or L106 is required.
  - 3 If either L114 or L115 is present, then the other is required.
  - 4 If either L117 or L118 is present, then the other is required.

- Semantic Notes:**
- 1 L119 is the percent used to determine the charge in L104.
  - 2 L120, if used, indicates the currency for all monetary amounts in this L1 segment.
  - 3 L121 is the origin rated as charge amount.

**Comments:**

**Data Element Summary**

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
	<b>L101</b>	<b>213</b>	<b>Lading Line Item Number</b>	<b>O 1 N0 1/3</b>
			Sequential line number for a lading item	
<b>R</b>	<b>L102</b>	<b>60</b>	<b>Freight Rate</b>	<b>X 1 R 1/9</b>
			Rate that applies to the specific commodity	
<b>R</b>	<b>L103</b>	<b>122</b>	<b>Rate/Value Qualifier</b>	<b>X 1 ID 2/2</b>
			Code qualifying how to extend charges or interpret value	
			FR Flat Rate	
			MN Minimum	
			PF Per Cubic Foot	
			PG Per Gallon	
			PH Per Hundred (of Basic Unit)	
			PL Per Load	
			PM Per Mile	
			PU Per Unit	
			SY Square Yard	
<b>R</b>	<b>L104</b>	<b>58</b>	<b>Charge</b>	<b>X 1 N2 1/12</b>
			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	
	<b>L105</b>	<b>191</b>	<b>Advances</b>	<b>X 1 N2 1/9</b>
			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	
	<b>L106</b>	<b>117</b>	<b>Prepaid Amount</b>	<b>X 1 N2 1/9</b>
			Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified	
	<b>L108</b>	<b>150</b>	<b>Special Charge or Allowance Code</b>	<b>O 1 ID 3/3</b>
			Code identifying type of special charge or allowance	
	<b>L112</b>	<b>276</b>	<b>Special Charge Description</b>	<b>O 1 AN 2/25</b>
			Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150	

**Segment:** **L7** **Tariff Reference**  
**Position:** 2000  
**Loop:** 0400 Optional (Recommended)  
**Level:** Detail  
**Usage:** Optional (Recommended)  
**Max Use:** 10  
**Purpose:** To reference details of the tariff used to arrive at applicable rates or charge  
**Syntax Notes:**  
**Semantic Notes:** 1 L710 is the effective date.  
 2 In L715 and L716, "City" and "State" are used for rate combination city and state.  
**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>L701</b>	<b>213</b>	<b>Lading Line Item Number</b> Sequential line number for a lading item	<b>O 1 N0 1/3</b>
<b>L702</b>	<b>168</b>	<b>Tariff Agency Code</b> Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment	<b>O 1 ID 1/4</b>
<b>R L703</b>	<b>171</b>	<b>Tariff Number</b> Standard tariff number for the tariff which governs the rates applied to the commodity item(s)	<b>O 1 AN 1/7</b>

**Segment:** **K1** Remarks  
**Position:** 2100  
**Loop:** 0400 Optional (Recommended)  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To transmit information in a free-form format for comment or special instruction  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	K101	61	<b>Free-Form Message</b> Free-form information	M 1 AN 1/30
	K102	61	<b>Free-Form Message</b> Free-form information	O 1 AN 1/30

**Segment:** **L3 Total Weight and Charges**

**Position:** 0100

**Loop:**

**Level:** Summary

**Usage:** Optional (Recommended)

**Max Use:** 1

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

**Syntax Notes:** 1 If either L301 or L302 is present, then the other is required.

2 If either L303 or L304 is present, then the other is required.

3 If either L309 or L310 is present, then the other is required.

4 If L312 is present, then L301 is required.

5 If either L314 or L315 is present, then the other is required.

**Semantic Notes:** 1 L305 is the total charges.

**Comments:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
R	L301	81	<b>Weight</b> Numeric value of weight	X 1 R 1/10
R	L302	187	<b>Weight Qualifier</b> Code defining the type of weight B Billed Weight G Gross Weight	X 1 ID 1/2
R	L305	58	<b>Charge</b> For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	O 1 N2 1/12
	L306	191	<b>Advances</b> Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified	O 1 N2 1/9
	L307	117	<b>Prepaid Amount</b> Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified	O 1 N2 1/9
R	L311	80	<b>Lading Quantity</b> Number of units (pieces) of the lading commodity	O 1 N0 1/7

**Segment:** **SE** Transaction Set Trailer

**Position:** 0200

**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>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	<b>Number of Included Segments</b> Total number of segments included in a transaction set including ST and SE segments	M 1 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 1 AN 4/9