204 Motor Carrier Load Tender

Functional Group ID=SM

Introduction:

This X12 Transaction Set 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, pickup notification, or manifest.

Notes:

This transaction is used by third party logistics providers(3PL) to notify Deere of a logistics shipment that has been successfully tendered to a transportation provider. This transaction should not be sent until acknowledgement has been received on load acceptance. The purpose of the transaction is to communicate the details of the actual shipment to enable shipment tracking at Deere. The shipment ID used in this transaction must also be referenced in subsequent 214 status updates.

Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
3	0100	ST	Transaction Set Header	M	1		
4	0200	B2	Beginning Segment for Shipment Information Transaction	M	1		
5	0300	B2A	Set Purpose	M	1		
6	0800	L11	Business Instructions and Reference Number	O	99999		
7	0900	G62	Date/Time	O	1		n1
8	1000	MS3	Interline Information	O	1		
			LOOP ID - 0100			5	
9	1400	N1	Party Identification	O	1		n2
10	1900	G61	Contact	O	3		
			LOOP ID - 0200			10	
11	2000	N7	Equipment Details	O	1		
12	2100	M7	Seal Numbers	O	2		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - 0300			999	
13	0100	S5	Stop-off Details	M	1		
14	0200	L11	Business Instructions and Reference Number	O	99999		
15	0300	G62	Date/Time	O	3		n3
			LOOP ID - 0305			6	
16	0600	AT5	Bill of Lading Handling Requirements	O	1		
17	0610	RTT	Freight Rate Information	O	1		
18	0620	C3	Currency Identifier	O	1		
			LOOP ID - 0310			1	
19	0700	N1	Party Identification	O	1		

20	0900	N3	Party Location	O	2		
21	1000	N4	Geographic Location	O	1		
22	1200	G61	Contact	O	3		
			LOOP ID - 0320			99999	
23	1300	L5	Description, Marks and Numbers	O	1		
24	1350	AT8	Shipment Weight, Packaging and Quantity Data	O	1		
			LOOP ID - 0350			99999	
25	1500	OID	Order Information Detail	O	1		n4
26	1800	LAD	Lading Detail	O	99999		
			LOOP ID - 0360			99999	
27	1900	L5	Description, Marks and Numbers	O	1		n5
28	1950	AT8	Shipment Weight, Packaging and Quantity Data	O	1		n6

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
29	0100	L3	Total Weight and Charges	O	1		
30	0200	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. 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.

5. If sending order level detail within the 0350 loop, then use L5 and AT8 segments in loop 0360 to relay commodity detail. Otherwise, use L5 and AT8 segments within the 0320 loop to relay commodity detail. Use either loop 0320 or loop 0360, but not both.

6. Accumulated weights, quantities, and volumes sent in the AT8 segment in loop 0360 should total to the weight, quantity, and volume in the OID segment in loop 0350. Accumulated weights and quantities in the LAD segment in loop 0350 should total to the weight and quantity in the OID segment in loop 0350.

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. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**ST01**	**143**	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set Refer to 005030 Data Element Dictionary for acceptable code values.	**M**	**1**	**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**	**1**	**AN 4/9**
	ST03	**1705**	**Implementation Convention Reference** Reference assigned to identify Implementation Convention	**O**	**1**	**AN 1/35**

Segment: **B2** **Beginning Segment for Shipment Information Transaction**
Position: 0200
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.
Notes: This segment is used to identify the carrier and the shipment ID assigned by the 3PL to the shipment. The shipment ID should be a unique identifier produced by the sender to identify the shipment. This number will also be used in any subsequent 214's to identify the shipment. (This is not the shipment ID on the ASN.)

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
	B202	**140**	**Standard Carrier Alpha Code** Standard Carrier Alpha Code	**O**	**1 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**	**1 AN 1/30**
M	**B206**	**146**	**Shipment Method of Payment** Code identifying payment terms for transportation charges CC Collect DF Defined by Buyer and Seller PP Prepaid (by Seller) TP Third Party Pay	**M**	**1 ID 2/2**

Segment: **B2A** **Set Purpose**
Position: 0300
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To allow for positive identification of transaction set purpose
Syntax Notes:
Semantic Notes:
Comments:
Notes: Non AU/NZ partners: If a shipment is changed after the original 204 (code 00) is sent, a cancelling 204 (code 01) should be sent, then a new original 204 (code 00) can be sent.

AU/NZ partners: if a shipment is changed after the original 204 (code 00) is sent, a replacement 204 (code 05) should be sent rather than following the process above.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**B2A01**	**353**	**Transaction Set Purpose Code** Code identifying purpose of transaction set 00 Original 01 Cancellation 05 Replace	**M**	**1**	**ID 2/2**

Segment: **L11** **Business Instructions and Reference Number**
Position: 0800
Loop:
Level: Heading
Usage: Optional
Max Use: 99999
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:
1 L1104 contains data relating to the qualifier cited in L1102.
2 L1105 indicates if the reference numbers included in this transmission were transmitted to the carrier in electronic format or key entered by the carrier. A "Y" indicates the carrier utilized the electronic shipper supplied reference information to create this document. A "N" indicates the carrier key entered the reference information from a shipper supplied document.
Comments:

Data Element Summary

Ref. Des.	Data Element	Name		Attributes		
L1101	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**	**1**	**AN**	**1/80**
L1102	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification CR Customer Reference Number PU Previous Bill of Lading Number SI Shipper's Identifying Number for Shipment (SID) A unique number (to the shipper) assigned by the shipper to identify the shipment TH Transportation Account Code (TAC)	**X**	**1**	**ID**	**2/3**

Segment: **G62** **Date/Time**
Position: 0900
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:
Notes: This segment should contain the date the carrier accepted the load. The Time Code should represent local time of the carrier accepting the load.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
G6201	**432**	**Date Qualifier** Code specifying type of date 85 Date Issued	**X 1 ID 2/2**
G6202	**373**	**Date** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	**X 1 DT 8/8**
G6203	**176**	**Time Qualifier** Code specifying the reported time 4 Pickup Requested Scheduled Time 5 Delivery Requested Scheduled Time	**X 1 ID 1/2**
G6204	**337**	**Time** 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)	**X 1 TM 4/8**
G6205	**623**	**Time Code** 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 005030 Data Element Dictionary for acceptable code values.	**O 1 ID 2/2**

Segment: **MS3** **Interline Information**
Position: 1000
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

	Ref. Des.	Data Element	Name	Attributes		
M	**MS301**	**140**	**Standard Carrier Alpha Code** Standard Carrier Alpha Code	**M**	**1**	**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**	**1**	**ID 1/2**
	MS304	**91**	**Transportation Method/Type Code** Code specifying the method or type of transportation for the shipment H Customer Pickup J Motor	**O**	**1**	**ID 1/2**

Segment: **N1** **Party Identification**
Position: 1400
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.
Notes: This segment should identify the 3PL administering the shipment.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual 2B Third-Party Administrator	**M**	**1**	**ID 2/3**
	N102	**93**	**Name** Free-form name	**X**	**1**	**AN 1/60**

Segment: **G61** **Contact**
Position: 1900
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.
Notes: This segment should identify a contact at the 3PL to handle inquiries about this shipment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**G6101**	**366**	**Contact Function Code** Code identifying the major duty or responsibility of the person or group named CN General Contact	**M**	**1**	**ID 2/2**
M	**G6102**	**93**	**Name** Free-form name	**M**	**1**	**AN 1/60**
	G6103	**365**	**Communication Number Qualifier** Code identifying the type of communication number EM Electronic Mail TE Telephone	**X**	**1**	**ID 2/2**
	G6104	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X**	**1**	**AN 1/256**

Segment: **N7** **Equipment Details**
Position: 2000
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.
Notes: This is an optional segment used to identify the trailer number and weight, if known.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**N702**	**207**	**Equipment Number** Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	**M**	**1**	**AN 1/15**
	N703	**81**	**Weight** Numeric value of weight	**X**	**1**	**R 1/10**
	N704	**187**	**Weight Qualifier** Code defining the type of weight G Gross Weight N Actual Net Weight	**X**	**1**	**ID 1/2**
	N722	**24**	**Equipment Type** Code identifying equipment type	**O**	**1**	**ID 4/4**

Segment: **M7** **Seal Numbers**
Position: 2100
Loop: 0200 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To record seal numbers used and the organization that applied the seals
Syntax Notes:
Semantic Notes:
Comments: **1** M705 indicates the name of the organization which applied the seal(s).

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**M701**	**225**	**Seal Number** Unique number on seal used to close a shipment	**M**	**1**	**AN 2/15**

Segment: S5 **Stop-off Details**
Position: 0100
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:
Notes: This segment identifies the sequence of stops for this shipment. It identifies the weight and quantity for the stop.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**S501**	**165**	**Stop Sequence Number** 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**	**Stop Reason Code** Code specifying the reason for the stop LD Load UL Unload	**M**	**1**	**ID 2/2**
	S503	**81**	**Weight** Numeric value of weight	**X**	**1**	**R 1/10**
	S504	**188**	**Weight Unit Code** Code specifying the weight unit K Kilograms L Pounds	**X**	**1**	**ID 1/1**
	S505	**382**	**Number of Units Shipped** Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	**X**	**1**	**R 1/10**
	S506	**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 PF Pallet (Lift) UN Unit	**X**	**1**	**ID 2/2**

Segment: **L11** **Business Instructions and Reference Number**
Position: 0200
Loop: 0300 Mandatory
Level: Detail
Usage: Optional
Max Use: 99999
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: **1** L1104 contains data relating to the qualifier cited in L1102.
2 L1105 indicates if the reference numbers included in this transmission were transmitted to the carrier in electronic format or key entered by the carrier. A "Y" indicates the carrier utilized the electronic shipper supplied reference information to create this document. A "N" indicates the carrier key entered the reference information from a shipper supplied document.
Comments:
Notes: If used the L11 'PU' segment should identify the Bill of Lading used for the orders on this stop on a previous shipment.

Data Element Summary

Ref. Des.	Data Element	Name		Attributes	
L1101	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**	**1**	**AN 1/80**
L1102	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification PU Previous Bill of Lading Number	**X**	**1**	**ID 2/3**

Segment: **G62** **Date/Time**
Position: 0300
Loop: 0300 Mandatory
Level: Detail
Usage: Optional
Max Use: 3
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: This segment identifies the requested timeframe for the stop. A '10' or '68' identifies the requested pickup or delivery time. A '38' or '54' identifies the latest pickup or delivery time. These times should be in the local time relative to the address of the stop.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
G6201	**432**	**Date Qualifier** Code specifying type of date 10 Requested Ship Date/Pickup Date 38 Ship Not Later Than Date 54 Deliver No Later Than Date 68 Requested Delivery Date	**X**	**1**	**ID 2/2**
G6202	**373**	**Date** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	**X**	**1**	**DT 8/8**
G6203	**176**	**Time Qualifier** Code specifying the reported time 4 Pickup Requested Scheduled Time 5 Delivery Requested Scheduled Time	**X**	**1**	**ID 1/2**
G6204	**337**	**Time** 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)	**X**	**1**	**TM 4/8**
G6205	**623**	**Time Code** 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 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 2/2**

Segment: **AT5** **Bill of Lading Handling Requirements**
Position: 0600
Loop: 0305 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify Bill of Lading handling and service requirements
Syntax Notes:
1 Only one of AT501 or AT503 may be present.
2 Only one of AT502 or AT503 may be present.
3 If AT504 is present, then at least one of AT505 or AT506 is required.
4 If AT505 is present, then AT504 is required.
5 If AT506 is present, then AT504 is required.
Semantic Notes:
1 AT505 is the minimum temperature.
2 AT506 is the maximum temperature.
Comments:

Data Element Summary

Ref. Des.	Data Element	Name		Attributes	
AT501	**152**	**Special Handling Code** Code specifying special transportation handling instructions Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 2/3**
AT502	**560**	**Special Services Code** Code identifying the special service Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 2/10**
AT503	**153**	**Special Handling Description** Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate	**X**	**1**	**AN 2/30**
AT504	**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 Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 2/2**
AT505	**408**	**Temperature** Temperature	**X**	**1**	**R 1/4**
AT506	**408**	**Temperature** Temperature	**X**	**1**	**R 1/4**

Segment: **RTT** **Freight Rate Information**
Position: 0610
Loop: 0305 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit a rate
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**RTT01**	**122**	**Rate/Value Qualifier** Code qualifying how to extend charges or interpret value Refer to 005030 Data Element Dictionary for acceptable code values.	**M**	**1**	**ID 2/2**
M	**RTT02**	**60**	**Freight Rate** Rate that applies to the specific commodity	**M**	**1**	**R 1/9**

Segment: **C3** **Currency Identifier**
Position: 0620
Loop: 0305 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the currency being used in the transaction set
Syntax Notes:
Semantic Notes: **1** C301 is the billing currency.
2 C303 is the payment currency.
3 C304 is the rated currency.
Comments: **1** Currency is implied by the code for the country in whose currency the monetary amounts are specified.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**C301**	**100**	**Currency Code** Code (Standard ISO) for country in whose currency the charges are specified	**M 1 ID 3/3**
	C302	**280**	**Exchange Rate** Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	**O 1 R 4/10**
	C303	**100**	**Currency Code** Code (Standard ISO) for country in whose currency the charges are specified	**O 1 ID 3/3**
	C304	**100**	**Currency Code** Code (Standard ISO) for country in whose currency the charges are specified	**O 1 ID 3/3**

Segment: **N1** **Party Identification**
Position: 0700
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: This segment is used to identify the physical location of the stop. An 'SF' is used to identify pickup locations and an 'ST' is used for drop-off locations.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual SF Ship From ST Ship To	**M**	**1**	**ID**	**2/3**
	N102	**93**	**Name** Free-form name	**X**	**1**	**AN**	**1/60**
	N103	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet ZZ Mutually Defined	**X**	**1**	**ID**	**1/2**
	N104	**67**	**Identification Code** Code identifying a party or other code	**X**	**1**	**AN**	**2/80**

Segment: **N3** **Party Location**
Position: 0900
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

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

Segment: **N4** **Geographic Location**
Position: 1000
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.

Data Element Summary

Ref. Des.	Data Element	Name		Attributes	
N401	**19**	**City Name** Free-form text for city name	**O**	**1**	**AN 2/30**
N402	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency	**X**	**1**	**ID 2/2**
N403	**116**	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	**O**	**1**	**ID 3/15**
N404	**26**	**Country Code** Code identifying the country	**X**	**1**	**ID 2/3**

Segment: **G61** **Contact**
Position: 1200
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.
Notes: This optional segment is used to identify a conact at the stop location.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**G6101**	**366**	**Contact Function Code** Code identifying the major duty or responsibility of the person or group named CN General Contact	**M**	**1**	**ID 2/2**
M	**G6102**	**93**	**Name** Free-form name	**M**	**1**	**AN 1/60**
	G6103	**365**	**Communication Number Qualifier** Code identifying the type of communication number EM Electronic Mail TE Telephone	**X**	**1**	**ID 2/2**
	G6104	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X**	**1**	**AN 1/256**

Segment: **L5** **Description, Marks and Numbers**
Position: 1300
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. Des.	Data Element	Name	Attributes		
L501	**213**	**Lading Line Item Number** Sequential line number for a lading item	**O**	**1**	**N0 1/3**
L502	**79**	**Lading Description** Description of an item as required for rating and billing purposes	**O**	**1**	**AN 1/50**
L503	**22**	**Commodity Code** Code describing a commodity or group of commodities	**X**	**1**	**AN 1/30**
L504	**23**	**Commodity Code Qualifier** Code identifying the commodity coding system used for Commodity Code Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 1/1**
L505	**103**	**Packaging Code** Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**AN 3/5**
L506	**87**	**Marks and Numbers** Marks and numbers used to identify a shipment or parts of a shipment	**X**	**1**	**AN 1/48**
L507	**88**	**Marks and Numbers Qualifier** Code specifying the application or source of Marks and Numbers (87) Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/2**
L510	**595**	**Compartment ID Code** Code identifying the compartment in a compartmentalized tank car Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/1**

Segment: **AT8** **Shipment Weight, Packaging and Quantity Data**
Position: 1350
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

Ref. Des.	Data Element	Name	Attributes		
AT801	**187**	**Weight Qualifier** Code defining the type of weight Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 1/2**
AT802	**188**	**Weight Unit Code** Code specifying the weight unit Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 1/1**
AT803	**81**	**Weight** Numeric value of weight	**X**	**1**	**R 1/10**
AT804	**80**	**Lading Quantity** Number of units (pieces) of the lading commodity	**O**	**1**	**N0 1/7**
AT805	**80**	**Lading Quantity** Number of units (pieces) of the lading commodity	**O**	**1**	**N0 1/7**
AT806	**184**	**Volume Unit Qualifier** Code identifying the volume unit Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 1/1**
AT807	**183**	**Volume** Value of volumetric measure	**X**	**1**	**R 1/8**

Segment: **OID** **Order Information Detail**
Position: 1500
Loop: 0350 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify order information 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.
3 OID11 specifies the sorting and/or segregating number for each receiving location (processing area).
Comments:
Notes: This segment contains the key Deere reference number to all Deere to associate the shipment ID from the 3PL with the reference number used by Deere to identify the load. Examples include: COMAR order number, PDC Parcel ID, and a 3PL confirmation number that is sent on an ASN.

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
OID01	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**	**1 AN 1/80**
OID02	**324**	**Purchase Order Number** Identifying number for Purchase Order assigned by the orderer/purchaser	**X**	**1 AN 1/22**

Segment: **LAD** **Lading Detail**
Position: 1800
Loop: 0350 Optional
Level: Detail
Usage: Optional
Max Use: 99999
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

Ref. Des.	Data Element	Name		Attributes	
LAD07	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) BP Buyer's Part Number	**X**	**1**	**ID 2/2**
LAD08	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**1**	**AN 1/48**
LAD13	**79**	**Lading Description** Description of an item as required for rating and billing purposes	**O**	**1**	**AN 1/50**

Segment: **L5** **Description, Marks and Numbers**
Position: 1900
Loop: 0360 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the line item in terms of description, quantity, packaging, and marks and numbers
Syntax Notes:
1 If either L503 or L504 is present, then the other is required.
2 If L507 is present, then L506 is required.
3 If either L508 or L509 is present, then the other is required.
Semantic Notes:
Comments:
1 L502 may be used to send quantity information as part of the product description.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
L501	**213**	**Lading Line Item Number** Sequential line number for a lading item	**O**	**1**	**N0 1/3**
L502	**79**	**Lading Description** Description of an item as required for rating and billing purposes	**O**	**1**	**AN 1/50**
L503	**22**	**Commodity Code** Code describing a commodity or group of commodities	**X**	**1**	**AN 1/30**
L504	**23**	**Commodity Code Qualifier** Code identifying the commodity coding system used for Commodity Code Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 1/1**
L505	**103**	**Packaging Code** Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**AN 3/5**
L506	**87**	**Marks and Numbers** Marks and numbers used to identify a shipment or parts of a shipment	**X**	**1**	**AN 1/48**
L507	**88**	**Marks and Numbers Qualifier** Code specifying the application or source of Marks and Numbers (87) Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/2**
L510	**595**	**Compartment ID Code** Code identifying the compartment in a compartmentalized tank car Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/1**

Segment: **AT8** **Shipment Weight, Packaging and Quantity Data**
Position: 1950
Loop: 0360 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify shipment details in terms of weight, and quantity of handling units
Syntax Notes:
1 If any of AT801 AT802 or AT803 is present, then all are required.
2 If either AT806 or AT807 is present, then the other is required.
Semantic Notes:
1 AT804 is the quantity of handling units that are not unitized (for example a carton). When added to the quantity in AT805, it is the total quantity of handling units in the shipment.
2 AT805 is the quantity of handling units that are unitized (for example on a pallet or slip sheet). When added to the quantity in AT804 it is the total quantity of handling units for the shipment.
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
AT801	**187**	**Weight Qualifier** Code defining the type of weight Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 1/2**
AT802	**188**	**Weight Unit Code** Code specifying the weight unit Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 1/1**
AT803	**81**	**Weight** Numeric value of weight	**X**	**1**	**R 1/10**
AT804	**80**	**Lading Quantity** Number of units (pieces) of the lading commodity	**O**	**1**	**N0 1/7**
AT805	**80**	**Lading Quantity** Number of units (pieces) of the lading commodity	**O**	**1**	**N0 1/7**
AT806	**184**	**Volume Unit Qualifier** Code identifying the volume unit Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 1/1**
AT807	**183**	**Volume** Value of volumetric measure	**X**	**1**	**R 1/8**

Segment: **L3** **Total Weight and Charges**
Position: 0100
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:
Notes: This segment identifies the total weight and quantity for the shipment.

Data Element Summary

Ref. Des.	Data Element	Name		Attributes		
L301	**81**	**Weight** Numeric value of weight	**X**	**1**	**R 1/10**	
L302	**187**	**Weight Qualifier** Code defining the type of weight G Gross Weight N Actual Net Weight	**X**	**1**	**ID 1/2**	
L303	**60**	**Freight Rate** Rate that applies to the specific commodity	**X**	**1**	**R 1/9**	
L304	**122**	**Rate/Value Qualifier** Code qualifying how to extend charges or interpret value Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 2/2**	
L305	**58**	**Amount Charged** 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 1/15**	
L308	**150**	**Special Charge or Allowance Code** Code identifying type of special charge or allowance Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 3/3**	
L311	**80**	**Lading Quantity** 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

	Ref. Des.	Data Element	Name	Attributes		
M	**SE01**	**96**	**Number of Included Segments** Total number of segments included in a transaction set including ST and SE segments	**M**	**1**	**N0 1/10**
M	**SE02**	**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**	**1**	**AN 4/9**