

# 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.

## Heading:

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3	010	ST	Transaction Set Header	M	1		
4	020	B3	Beginning Segment for Carrier's Invoice	M	1		
6	040	C3	Currency	O	1		
7	060	N9	Reference Identification	O	300		
8	070	G62	Date/Time	O	6		
9	080	R3	Route Information - Motor	O	12		
10	090	H3	Special Handling Instructions	O	6		
LOOP ID - 0100						10	
11	110	N1	Name	O	1		
12	130	N3	Address Information	O	2		
13	140	N4	Geographic Location	O	1		
14	150	N9	Reference Identification	O	5		
LOOP ID - 0200						10	
15	160	N7	Equipment Details	O	1		
LOOP ID - 0250						999999	
16	180	SPO	Shipment Purchase Order Detail	O	1		

## Detail:

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LOOP ID - 0300						999	
17	010	S5	Stop-off Details	O	1		n1
18	020	N9	Reference Identification	O	10		
19	030	G62	Date/Time	O	10		
LOOP ID - 0305						999999	
20	045	SPO	Shipment Purchase Order Detail	O	1		
LOOP ID - 0310						2	
21	050	N1	Name	O	1		
22	070	N3	Address Information	O	2		
23	080	N4	Geographic Location	O	1		
LOOP ID - 0400						9999	
24	120	LX	Assigned Number	O	1		
25	130	N9	Reference Identification	O	5		
26	170	L0	Line Item - Quantity and Weight	O	10		

27	180	L1	Rate and Charges	O	10	
30	200	L7	Tariff Reference	O	10	
			LOOP ID - 0460	999999		
31	240	N1	Name	O	1	n2
32	280	N9	Reference Identification	O	10	

**Summary:**

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33	010	L3	Total Weight and Charges	O		1	
34	020	SE	Transaction Set Trailer	M		1	

**Transaction Set Notes**

1. Loops 0300, 0305, 0310 and 0320 shall only be used to identify all stop-off locations and associated data for loading and unloading of freight with the exception of the original stop-off location (shipper) for truckload carriers. The original stop-off location (shipper) shall be transmitted in loop 0100.
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:** 010  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number  
**Syntax Notes:**  
**Semantic Notes:** 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 3/3
M	ST02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

**Segment:** **B3** Beginning Segment for Carrier's Invoice  
**Position:** 020  
**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. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	B302	76	<b>Invoice Number</b> Identifying number assigned by issuer Each invoice must have a unique invoice number in this field. This includes adjustments and corrections. The invoice number sent by a provider must be unique in the previous 13 months. Invoice number cannot be more than 12 positions.	M AN 1/22
	B303	145	<b>Shipment Identification Number</b> Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters) Required field for all managed loads. Shipment identifier assigned by the provider to the shipment. Must be unique in the previous 13 months unless an adjustment is sent. For an adjustment the Ship Id must be from the original invoice.	O AN 1/30
M	B304	146	<b>Shipment Method of Payment</b> Code identifying payment terms for transportation charges Used to differentiate between managed and non managed freight. Managed freight is paid by a third party indicated by a code of TP. Non managed freight is paid directly to the carrier and is indicated by a code of BP. BP Paid by Buyer The buyer agrees to the transportation payment term requiring the buyer to pay transportation charges to a specified location (origin or destination location) NR Non Revenue TP Third Party Pay	M ID 2/2
M	B306	373	<b>Date</b> Date expressed as CCYYMMDD Must be > delivery date. This is the date the invoice is created by the provider.	M DT 8/8
M	B307	193	<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 Total amount to be paid for this invoice. For an adjustment, this is amount of the adjustment to the invoice.	M N2 1/12

**B308**      **202**      **Correction Indicator**      **O ID 2/2**

Code used to indicate that the transaction set contains information which corrects previous information  
Blank for an original invoice.

AD for an adjustment. An adjustment is sent with the net change to the original invoice.

AD      Adjustment of Previous Freight Bill Charges

**M**      **B311**      **140**      **Standard Carrier Alpha Code**      **M ID 2/4**

Standard Carrier Alpha Code

SCAC code of the party submitting the invoice.

**Segment:** C3 Currency  
**Position:** 040  
**Loop:**  
**Level:** Heading  
**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.

**Notes:** Defines the currency used for payment.

**Data Element Summary**

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	C301	100 Currency Code	M ID 3/3
		Code (Standard ISO) for country in whose currency the charges are specified	

**Segment:** N9 Reference Identification  
**Position:** 060  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**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:**

**Data Element Summary**

<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
M	N901 128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Assigned Carrier Pro number is required for all non managed loads. Must be unique in the previous 13 months unless an adjustment is sent. For an adjustment the Carrier Pro Number must be from the original invoice.  Route number is required for all milk-runs.  Transaction category or type is only used on some parts shipments to identify the Deere order type. (MD, SO, TS, ST, MDP) 8X Transaction Category or Type BM Bill of Lading Number CN Carrier's Reference Number (PRO/Invoice) RU Route Number	M 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 AN 1/30

**Segment:** **G62** Date/Time  
**Position:** 070  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**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:**

**Notes:**

Terms Net Due Date will determine when Deere makes the payment.

John Deere expects the "Shipped on This Date" to represent the pick-up date at the shipment origination point and "Delivered on This Date" to represent the final destination drop-off date.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Date Qualifier</u>	
G6201	432	<b>Date Qualifier</b>	X ID 2/2
		Code specifying type of date	
		11 Shipped on This Date	
		13 Terms Net Due Date	
		35 Delivered on This Date	
G6202	373	<b>Date</b>	X DT 8/8
		Date expressed as CCYYMMDD	
G6203	176	<b>Time Qualifier</b>	X ID 1/2
		Code specifying the reported time	
		W Effective Time	
G6204	337	<b>Time</b>	X TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
G6205	623	<b>Time Code</b>	O ID 2/2
		Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values.	

**Segment:** **R3** Route Information - Motor  
**Position:** 080  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**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:**  
**Notes:** The Route Transportation Method and Service Level are used with Special Handling Instructions and Equipment Details to define Deere movement types.

**Data Element Summary**

Ref.	Data Element	Name	Attributes
M	R301	140 Standard Carrier Alpha Code Standard Carrier Alpha Code	M ID 2/4
M	R302	133 Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement O Origin Carrier (Air, Motor, or Ocean)	M ID 1/2
	R304	91 Transportation Method/Type Code Code specifying the method or type of transportation for the shipment A Air AC Air Charter LT Less Than Trailer Load (LTL) M Motor (Common Carrier) MB Motor (Bulk Carrier) MP Motor (Package Carrier) R Rail X Intermodal (Piggyback)	O ID 1/2
	R310	284 Service Level Code Code indicating the level of transportation service or the billing service offered by the transportation carrier CX Express Service DF Deferred Service ES Expedited Service ND Next Day Air SC Delivery during business day hours of next business day SC Second Day Air SG Delivery during business day hours no later than second business day SG Standard Ground	X ID 2/2

**Segment:** **H3** Special Handling Instructions  
**Position:** 090  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 6  
**Purpose:** To specify special handling instructions in coded or free-form format  
**Syntax Notes:** 1 Only one of H301 or H302 may be present.  
**Semantic Notes:**  
**Comments:**  
**Notes:** Special Handling Instructions is used with Route Transportation Method and Service Level and Equipment Details to define Deere movement types.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>H301</b>	<b>152</b>	<b>Special Handling Code</b>	<b>X ID 2/3</b>
		Code specifying special transportation handling instructions	
		DDS Direct Delivery	
		DDZ Drayage at Port of Debarkation (Rate Zone)	
		DEZ Drayage at Port of Embarkation (Rate Zone)	
		HAN Handling	
		MP Multiple Pickup	
		RRR Round Trip Service	

**Segment:** **N1** Name  
**Position:** 110  
**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:** Remit-to information identifies the provider to be paid for this invoice. (It requires a John Deere supplier number for the party to be paid.)

Managed freight is paid to the third party provider by specifying the John Deere supplier number of the third party. Non managed freight is paid directly to the carrier by specifying the John Deere supplier number of the carrier to be paid. The John Deere supplier must be sent in the N104 with a code of 92 in the N103.

#### 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	
		RI Remit 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)	
		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:** 130  
**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. Des.</u>	<u>Data 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:** 140  
**Loop:** 0100 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:** 1 If N406 is present, then N405 is required.  
**Semantic Notes:**  
**Comments:** 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.  
2 N402 is required only if city name (N401) is in the U.S. or Canada.

**Data Element Summary**

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

**Segment:** **N9 Reference Identification**  
**Position:** 150  
**Loop:** 0100 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 5  
**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:** John Deere will use the following codes for communicating Canadian tax registration numbers:  
 GT - Goods and Services Tax (GST) Registration Number  
 4G - Provincial Sales Tax (PST) Registration Number  
 4O - Quebec Sales Tax (QST) Registration Number

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	<b>N901</b>	<b>128 Reference Identification Qualifier</b>	<b>M ID 2/3</b>
		Code qualifying the Reference Identification	
		Contains the contact phone number at the remit-to party for any invoice questions.	
		4G Provincial Tax Identification	
		4O Canadian Goods & Services or Quebec Sales Tax Reference Number	
		GT Goods and Service Tax Registration Number	
		JU Prior Phone Number	
	<b>N902</b>	<b>127 Reference Identification</b>	<b>X AN 1/30</b>
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

**Segment:** **N7** Equipment Details  
**Position:** 160  
**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:** The Equipment Details are used with Route Transportation Method and Service Level and Special Handling Instructions to define Deere movement types.  
When the equipmet number is unavailable, N702 should be sent with a literal of "NONE" to satisfy standards compliance.  
Use N701 and N702 for the rail car number when rail is the transportation mode.

**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 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 AN 1/10
N711	40	<b>Equipment Description Code</b> Code identifying type of equipment used for shipment	O ID 2/2
		CB Chassis, Gooseneck	
		CV Closed Van	
		DD Double-Drop Trailer A flatbed with two drop decks	
		DT Drop Back Trailer	
		FN Flat Bed Trailer with No Headboards	
		FP Flatcar With Pedestal	
		RF Flat Car	
		RT Controlled Temperature Trailer (Reefer)	
		SD Single-Drop Trailer A flatbed trailer with one drop deck	
		ST Removable Side Trailer	
N722	24	<b>Equipment Type</b> Code identifying equipment type	O ID 4/4

**Segment:** **SPO** Shipment Purchase Order Detail  
**Position:** 180  
**Loop:** 0250 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the purchase order details for a shipment  
**Syntax Notes:** 1 If either SPO03 or SPO04 is present, then the other is required.  
 2 If either SPO05 or SPO06 is present, then the other is required.  
**Semantic Notes:** 1 SPO02 is the department number.  
 2 SPO04 is the total quantity for the purchase order.  
 3 SPO06 is the total weight for the purchase order.  
 4 SPO07 indicates the data error condition relative to the shipment management information.  
 5 SPO08 is used to specify sorting and/or segregating reference numbers for each receiving location (processing area).  
**Comments:**  
**Notes:** John Deere expects the shipment's total mileage at this level.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	SPO01	324	<b>Purchase Order Number</b> Identifying number for Purchase Order assigned by the orderer/purchaser Deere does not issue POs for freight payment. Hard-code a literal value of "NONE" to satisfy standards compliance.	M AN 1/22
	SPO03	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken DH Miles	X ID 2/2
	SPO04	380	<b>Quantity</b> Numeric value of quantity	X R 1/15

**Segment:** **S5** Stop-off Details  
**Position:** 010  
**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:**  
**Notes:** For multi-activity stops, use the same S501 value for each S5 representing a load or unload activity at the designated stop. (G62 and N1-N4 segments should not be sent on additional S5 loops for the same location.)

**Data Element Summary**

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	S501	165	<b>Stop Sequence Number</b>	M N0 1/3
			Identifying number for the specific stop and the sequence in which the stop is to be performed	
M	S502	163	<b>Stop Reason Code</b>	M ID 2/2
			Code specifying the reason for the stop	
			Identify the stop as a pick-up (LD) or a drop-off (UL)	
		LD	Load	
		UL	Unload	
	S503	81	<b>Weight</b>	X R 1/10
			Numeric value of weight	
			The weight in pounds picked up or dropped off at the stop	
	S504	188	<b>Weight Unit Code</b>	X ID 1/1
			Code specifying the weight unit	
		L	Pounds	

**Segment:** **N9 Reference Identification**  
**Position:** 020  
**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:** Tracking Number should identify the 3PL assigned number on shipments inbound to John Deere.

Package Number would identify the Parcel ID on some parts shipments.

Job Order Number represents the John Deere COMAR order number or other John Deere assigned order number for this shipment.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	<b>N901</b>	<b>128 Reference Identification Qualifier</b>	<b>M ID 2/3</b>
		Code qualifying the Reference Identification	
		2I Tracking Number	
		97 Package Number	
		A serial number indicating unit shipped	
		9R Job Order Number	
	<b>N902</b>	<b>127 Reference Identification</b>	<b>X AN 1/30</b>
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

**Segment:** **G62** Date/Time  
**Position:** 030  
**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:** Date the pick-up or drop-off occurred.

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element</b>	<b></b>	<b></b>
<b>G6201</b>	<b>432</b>	<b>Date Qualifier</b> Code specifying type of date 07 Effective Date	<b>X ID 2/2</b>
<b>G6202</b>	<b>373</b>	<b>Date</b> Date expressed as CCYYMMDD	<b>X DT 8/8</b>
<b>G6203</b>	<b>176</b>	<b>Time Qualifier</b> Code specifying the reported time W Effective Time	<b>X ID 1/2</b>
<b>G6204</b>	<b>337</b>	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	<b>X TM 4/8</b>
<b>G6205</b>	<b>623</b>	<b>Time Code</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values.	<b>O ID 2/2</b>

**Segment:** **SPO** Shipment Purchase Order Detail  
**Position:** 045  
**Loop:** 0305 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the purchase order details for a shipment  
**Syntax Notes:** 1 If either SPO03 or SPO04 is present, then the other is required.  
 2 If either SPO05 or SPO06 is present, then the other is required.  
**Semantic Notes:** 1 SPO02 is the department number.  
 2 SPO04 is the total quantity for the purchase order.  
 3 SPO06 is the total weight for the purchase order.  
 4 SPO07 indicates the data error condition relative to the shipment management information.  
 5 SPO08 is used to specify sorting and/or segregating reference numbers for each receiving location (processing area).  
**Comments:**  
**Notes:** John Deere expects the mileage from the previous reported stop at this level, which means this segment is not expected with the initial pick-up stop.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	<b>SPO01</b> 324	<b>Purchase Order Number</b>	M AN 1/22
		Identifying number for Purchase Order assigned by the orderer/purchaser	
		Deere does not issue POs for freight payment. Hard-code a literal value of "NONE" to satisfy standards compliance.	
	<b>SPO02</b> 127	<b>Reference Identification</b>	O AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	<b>SPO03</b> 355	<b>Unit or Basis for Measurement Code</b>	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		DH Miles	
	<b>SPO04</b> 380	<b>Quantity</b>	X R 1/15
		Numeric value of quantity	

**Segment:** **N1** Name  
**Position:** 050  
**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:** Location information to identify the name and address of the stop

**Data Element Summary**

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual XG Event Location	M ID 2/3
	N102	93 Name Free-form name	X AN 1/60
	N103	66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer or Buyer's Agent	X ID 1/2
	N104	67 Identification Code Code identifying a party or other code	X AN 2/80

**Segment:** N3 Address Information  
**Position:** 070  
**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. Des.</u>	<u>Data 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:** 080  
**Loop:** 0310 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:** 1 If N406 is present, then N405 is required.  
**Semantic Notes:**  
**Comments:** 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.  
2 N402 is required only if city name (N401) is in the U.S. or Canada.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>N401</b>	<b>19</b>	<b>City Name</b> Free-form text for city name	<b>O AN 2/30</b>
<b>N402</b>	<b>156</b>	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	<b>O ID 2/2</b>
<b>N403</b>	<b>116</b>	<b>Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	<b>O ID 3/15</b>
<b>N404</b>	<b>26</b>	<b>Country Code</b> Code identifying the country	<b>O ID 2/3</b>
<b>N405</b>	<b>309</b>	<b>Location Qualifier</b> Code identifying type of location DP Department	<b>X ID 1/2</b>
<b>N406</b>	<b>310</b>	<b>Location Identifier</b> Code which identifies a specific location	<b>O AN 1/30</b>

**Segment:** **LX** Assigned Number  
**Position:** 120  
**Loop:** 0400 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To reference a line number in a transaction set  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:** LX loops are used for the freight allocations to John Deere units.

**Data Element Summary**

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

**Segment:** **N9 Reference Identification**  
**Position:** 130  
**Loop:** 0400 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 5  
**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:** John Deere expects a coded identification whether a shipment is considered inbound or outbound. N902 should contain the bill-to John Deere unit code.

**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>	M ID 2/3
			Code qualifying the Reference Identification	
			IC Inbound-to Party	
			OS Outbound-from Party	
			Q1 Quote Number	
	N902	127	<b>Reference Identification</b>	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

**Segment:** **L0** Line Item - Quantity and Weight  
**Position:** 170  
**Loop:** 0400 Optional  
**Level:** Detail  
**Usage:** Optional  
**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.

**Notes:** L0 segments are used to transmit weight for each allocation.

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
L001	213	<b>Lading Line Item Number</b> Sequential line number for a lading item	O 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 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 Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
L004	81	<b>Weight</b> Numeric value of weight	X R 1/10
L005	187	<b>Weight Qualifier</b> Code defining the type of weight G Gross Weight N Actual Net Weight	X ID 1/2
L011	188	<b>Weight Unit Code</b> Code specifying the weight unit L Pounds	O ID 1/1

**Segment:** **L1 Rate and Charges**  
**Position:** 180  
**Loop:** 0400 Optional  
**Level:** Detail  
**Usage:** Optional  
**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:**

**Notes:** L1 segments are used within the LX loop to transmit the invoice charges using the code in L108 to identify the charge. A code of DLH is used for line haul and a code of 405 is used for fuel surcharge. Other codes may also be used for accessorial charges associated with an invoice.

L102/L103 and L117/L118: Either the rate per mile or the flat rate is required. Both can be sent.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>L101</b>	<b>213</b>	<b>Lading Line Item Number</b> Sequential line number for a lading item	<b>O N0 1/3</b>
<b>L102</b>	<b>60</b>	<b>Freight Rate</b> Rate that applies to the specific commodity	<b>X R 1/9</b>
<b>L103</b>	<b>122</b>	<b>Rate/Value Qualifier</b> Code qualifying how to extend charges or interpret value PM Per Mile	<b>X ID 2/2</b>
<b>L104</b>	<b>58</b>	<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	<b>X N2 1/12</b>
<b>L108</b>	<b>150</b>	<b>Special Charge or Allowance Code</b> Code identifying type of special charge or allowance A line haul (code DLH) and a fuel surcharge (code 405) are required for each allocation. John Deere will use the following for reflecting Canadian tax amounts: GST - Goods and Services Tax (GST) TTS - Provincial Sales Tax (PST) SST - Quebec Sales Tax (QST)	<b>O ID 3/3</b>
		008 Balance Forward	
		230 Credit	
		400 Freight	
		405 Fuel Surcharge	
		745 Valuation Fee	
		AIR Air Freight	
		APT Appointment (Notification)	
		ARB Arbitrary (In Addition to Through Rates and Charges)	
		BEY Beyond Freight Charges	
		BND Bond Charges	

BOB	Bobtail Charges
BRD	Bridge Toll
CAA	Cancellation Charge
COF	Ocean Freight
CTF	Chassis Transfer
CTG	Cartage Charge
CTX	Customs Exams (Intensive, Tailgate)
CUS	Customs Charge
DEL	Delivery Charge
DEM	Demurrage
DEP	Detention of Power Units
DET	Detention of Trailers
DLH	Drayage/Line Haul
DMC	Deadhead Mileage Charge
EMT	Empty Movement
	Motor charge when empty movement of equipment is required
ENS	Energy Surcharge (Fuel Adjustment Factor)
EPS	Environmental Protection Service
EXD	Extra Driver
EXL	Extra Length
EXP	Expedited Service Charge
EXW	Excess Weight
	A special charge incurred by shipments that exceed the weight agreed to
FAK	Barge Freight All Kinds Service
FCB	Freight Charges to Border
FLT	Ferry Service
FUE	Fuel Charge
GSS	Greater Security Service
	Rail security service providing seal tracing and inspection for rail movement of unclassified sensitive cargo
GST	Goods and Services Tax Charge
HAZ	Hazardous Cargo Charge
HDG	Holding Charge
HHB	Handling
HOL	Sunday or Holiday Pick-up or Delivery
HRS	Heater or Refrigeration
	Rail charge when shipments of commodities require protective service from the heat or cold
HZC	Hazardous Materials Surcharge Charge
IDL	Inside Delivery
IFC	Inbound Freight Charges
IHT	Interstate/Highway Toll
ILD	Island Delivery Charge
ILP	Island Pick-Up Charge
IPU	Inside Pick-up
LAY	Layover Charges
LDG	Loading
LFC	Lift Charge (Intermodal)
LFT	Lift Gate (Truck) or Forklift Service at Pick-up/Delivery
LOA	Loading (Labor Charges)

MES	Escort Service
MRK	Marking or Tagging Charge
NYD	New York Delivery Charge
OAC	Overtime Loading
OFU	Fumigation
ORM	Out of Route Miles
OVR	Over Dimension
PER	Permit Charge
PIR	Pier Pick-up and/or Delivery
PMT	Pickup of Shipments Requiring Same Day Delivery Service and/or Delivery at a Specified Time Charge
PSH	Protective Service - Heat
PUC	Pick-up Charge
PYS	Priority Service Charge
RCC	Reconsignment Charge
RCL	Redelivery
REP	Residential Pick-up
RES	Residential Delivery
RET	Returned Load
RMC	Return of Empty Container Charge
SAT	Saturday Pick-up or Delivery Charge
SEC	Special Equipment Charge
SOC	Stop-off Charge
SPT	Spotting of Trailer
SRG	Storage
SST	Sales Tax (State and Local)
SUF	Sufferance Warehouse Charge (Export or Import)
SWC	Switching Charge
TAR	Tarping Charge
TRC	Trailer Rental Charge
TRM	Termination
	The additional service charge or order for a transportation carrier to terminate the movement of a household goods shipment at origin or enroute to a destination location
TTS	State Tax
UND	Unloading
URC	Unloading/Reloading Charge
VOR	Vehicle Ordered but Not Used
WEA	Weather Protection
WFG	Wharfage

<b>L112</b>	<b>276</b>	<b>Special Charge Description</b>	<b>O</b>	<b>AN 2/25</b>
		Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150		
<b>L117</b>	<b>220</b>	<b>Billed/Rated-as Quantity</b>	<b>X</b>	<b>R 1/11</b>
		Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81		
<b>L118</b>	<b>221</b>	<b>Billed/Rated-as Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code identifying the type of quantity or value on which the rate or item pricing is based		
		DM		Miles

**Segment:** **L7** **Tariff Reference**  
**Position:** 200  
**Loop:** 0400 Optional  
**Level:** Detail  
**Usage:** Optional  
**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. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
L701	213	<b>Lading Line Item Number</b> Sequential line number for a lading item	O N0 1/3
L707	59	<b>Freight Class Code</b> Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc.	O AN 2/5

**Segment:** **N1** Name  
**Position:** 240  
**Loop:** 0460 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:** The N101 = "BT" should be sent with the John Deere unit responsible for the charges at this stop.

**Data Element Summary**

Ref.	Data Element	Name	Attributes
M	<b>N101</b>	<b>98 Entity Identifier Code</b>	<b>M ID 2/3</b>
		Code identifying an organizational entity, a physical location, property or an individual	
		BT Bill-to-Party	
	<b>N102</b>	<b>93 Name</b>	<b>X AN 1/60</b>
		Free-form name	
	<b>N103</b>	<b>66 Identification Code Qualifier</b>	<b>X ID 1/2</b>
		Code designating the system/method of code structure used for Identification Code (67)	
		92 Assigned by Buyer or Buyer's Agent	
	<b>N104</b>	<b>67 Identification Code</b>	<b>X AN 2/80</b>
		Code identifying a party or other code	
		John Deere expects the John Deere unit code.	

**Segment:** **N9 Reference Identification**  
**Position:** 280  
**Loop:** 0460 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:**

**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 11 Account Number Number identifies a telecommunications industry account DP Department Number	M 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 AN 1/30

**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:**

**Notes:** Total shipment weight in pounds.

Either the rate per mile or the flat rate is required. Both can be sent.

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
L301	81	<b>Weight</b>	X R 1/10
		Numeric value of weight	
L302	187	<b>Weight Qualifier</b>	X ID 1/2
		Code defining the type of weight	
		G Gross Weight	
		N Actual Net Weight	
L303	60	<b>Freight Rate</b>	X R 1/9
		Rate that applies to the specific commodity	
L304	122	<b>Rate/Value Qualifier</b>	X ID 2/2
		Code qualifying how to extend charges or interpret value	
		PM Per Mile	
L305	58	<b>Charge</b>	O N2 1/12
		For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	
L312	188	<b>Weight Unit Code</b>	O ID 1/1
		Code specifying the weight unit	
		L Pounds	
L314	74	<b>Declared Value</b>	X N2 2/12
		Monetary assigned value expressed in the standard monetary denomination for the currency specified	
L315	122	<b>Rate/Value Qualifier</b>	X ID 2/2
		Code qualifying how to extend charges or interpret value	
		FR Flat Rate	

**Segment:** **SE** Transaction Set Trailer  
**Position:** 020  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 SE is the last segment of each transaction set.

**Data Element Summary**

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