

940 Warehouse Shipping Order

Functional Group ID=**OW**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Warehouse Shipping Order Transaction Set (940) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used to enable the depositor to advise a warehouse to make a shipment, confirm a shipment, or modify or cancel a previously transmitted shipping order.

Notes:

The transaction is used to provide delivery instructions for a 3PL warehouse. When the transaction is used for inbound vendor materials, the associated parts and quantities are needed at the John Deere factory location by the date specified in the transaction. There is supporting factory demand for the material. Also, this transaction guideline covers informing a warehouse of complete product or partial product outbound move requests from their warehouse to another location.

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>
2	010	ST	Transaction Set Header	M	1		
3	020	W05	Shipping Order Identification	M	1		
LOOP ID - 0100						10	
4	040	N1	Name	O	1		
5	060	N3	Address Information	O	2		
6	070	N4	Geographic Location	O	1		
7	090	N9	Reference Identification	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						>1	
8	005	LX	Assigned Number	O	1		
LOOP ID - 0310						>1	
9	020	W01	Line Item Detail - Warehouse	O	1		
10	040	N9	Reference Identification	O	200		
11	090	G62	Date/Time	O	10		

Summary:

<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>
12	020	SE	Transaction Set Trailer	M	1		

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

Segment: **W05** Shipping Order Identification
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers and other basic data for this transaction set
Syntax Notes: 1 If either W0504 or W0505 is present, then the other is required.
Semantic Notes:
Comments:
Notes: Each 940 transmission should be complete. Any modification to a move order will be communicated with an Order Status Code set to 'R'.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	W0501	473	Order Status Code Code identifying purpose of transaction set N Original R Change	M ID 1/1
M	W0502	285	Depositor Order Number Identifying number for warehouse shipping order assigned by the depositor	M AN 1/22
	W0503	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser	O AN 1/22
	W0507	306	Action Code Code indicating type of action DK Dispose IT Initiate	O ID 1/2

Segment: **N1** Name
Position: 040
Loop: 0100 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		CA Carrier	
		CI Consignor	
		ST Ship To	
N102	93	Name	X AN 1/60
		Free-form name	
N103	66	Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		1 D-U-N-S Number, Dun & Bradstreet	
		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: 060
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

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

Segment: **N4 Geographic Location**
Position: 070
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>
<u>Des.</u>	<u>Element</u>		
N401	19	City Name Free-form text for city name	O AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15
N404	26	Country Code Code identifying the country	O ID 2/3
N405	309	Location Qualifier Code identifying type of location DE Destination (Shipping)	X ID 1/2
N406	310	Location Identifier Code which identifies a specific location	O AN 1/30

Segment: **N9 Reference Identification**
Position: 090
Loop:
Level: Heading
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

Ref. Des.	Data Element	Name	Attributes
M	N901 128	Reference Identification Qualifier Code qualifying the Reference Identification CN Carrier's Reference Number (PRO/Invoice) PH Priority Rating	M ID 2/3
	N902 127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **LX** Assigned Number
Position: 005
Loop: 0300 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To reference a line number in a transaction set
Syntax Notes:
Semantic Notes:
Comments:
Notes: John Deere requires one occurrence of the LX loop containing one or more W01 loops indicating the requested material movement.

Data Element Summary

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

Segment: **W01** Line Item Detail - Warehouse
Position: 020
Loop: 0310 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit basic and most frequent shipment-related line-item data elements
Syntax Notes:

- 1 At least one of W0103 or W0104 is required.
- 2 If either W0104 or W0105 is present, then the other is required.
- 3 If either W0106 or W0107 is present, then the other is required.
- 4 If either W0110 or W0111 is present, then the other is required.
- 5 If either W0115 or W0116 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

This segment contains the John Deere material number being moved, which is required. The total quantity, the unit of measure, and John Deere contract (PO) number should be included in this segment.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
M	W0101	330 Quantity Ordered Quantity ordered	M R 1/15
M	W0102	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 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
	W0104	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 ID 2/2
	W0105	234 Product/Service ID Identifying number for a product or service	X AN 1/48
	W0106	235 Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) CR Contract Number RC Returnable Container Number SK Stock Keeping Unit (SKU)	X ID 2/2
	W0107	234 Product/Service ID Identifying number for a product or service	X AN 1/48
	W0115	235 Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) CR Contract Number RC Returnable Container Number SK Stock Keeping Unit (SKU)	X ID 2/2
	W0116	234 Product/Service ID Identifying number for a product or service	X AN 1/48

Segment: N9 Reference Identification
Position: 040
Loop: 0310 Optional
Level: Detail
Usage: Optional
Max Use: 200
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: This optional segment, when used at the item level, would be used to provide additional information related to the shipment.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	N901	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		DP Department Number	
		E5 Claimant's Claim Number	
		Unique number assigned to the claim by the claimant	
		KB Beginning Kanban Serial Number	
		LF Assembly Line Feed Location	
		SE Serial Number	
	N902	127 Reference Identification	X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment: **G62** Date/Time
Position: 090
Loop: 0310 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: John Deere requires at least one segment to communicate the date and time of shipment.

Data Element Summary

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

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

Syntax Notes:

Semantic Notes:

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

Data Element Summary

	<u>Ref. 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