

# 862 Shipping Schedule

Functional Group ID=SS

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Shipping Schedule Transaction Set (862) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used by a customer to convey precise shipping schedule requirements to a supplier, and is intended to supplement the planning schedule transaction set (830). The shipping schedule transaction set will supersede certain shipping and delivery information transmitted in a previous planning schedule transaction, but it does not replace the 830 transaction set. The shipping schedule transaction set shall not be used to authorize labor, materials or other resources. The use of this transaction set will facilitate the practice of Just-In-Time (JIT) manufacturing by providing the customer with a mechanism to issue precise shipping schedule requirements on a more frequent basis than with the issuance of a planning schedule transaction, e.g., daily shipping schedules versus weekly planning schedules. The shipping schedule transaction also provides the ability for a customer location to issue shipping requirements independent of other customer locations when planning schedule transactions are issued by a consolidated scheduling organization.

## Notes:

862 Business process narrative -- John Deere as the customer

The transaction is used to send information in a "pull" system environment, usually driven by a Kanban or trigger system based on usage. The associated quantities are needed at the customer location by the date specified in the transaction. There is a supporting Blanket Order or Scheduling Agreement (830 EDI Release transaction) which has been sent prior to this 862 Shipping Schedule transaction. The 830 contains the PO number which should also be referenced for any communications regarding the material. Since the customer has previously had communication with the supplier to set up pricing, item description information, contact information, and other data that does not change with each release of requirements, such data elements are not contained in the subsequent 862 transactions.

The dates and quantities in the 830 release are provided as forecast and used for planning purposes and not to be used for shipment until the 862 trigger is received. 862 data should not exceed forecast quantity, nor should the material arrive outside the agreed window around the due date or ship date.

The dates and quantities are not revised by any other EDI transaction. In the unlikely event that the data must be altered from what has been sent on an 862 transaction, the customer will call the supplier to manually and verbally make the request.

## Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
3	010	ST	Transaction Set Header	M	1		
4	020	BSS	Beginning Segment for Shipping Schedule/Production Sequence	M	1		
						200	
6	050	N1	Name	O	1		
7	060	N2	Additional Name Information	O	2		
8	070	N3	Address Information	O	2		
9	080	N4	Geographic Location	O	1		

## Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
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LOOP ID - LIN			10000
10	010	LIN	Item Identification M 1
12	020	UIT	Unit Detail M 1
13	030	PKG	Marking, Packaging, Loading O >1
14	050	REF	Reference Identification O 12
LOOP ID - FST			100
15	080	FST	Forecast Schedule O 1
LOOP ID - SHP			10
17	140	SHP	Shipped/Received Information O 1
18	150	REF	Reference Identification O 12

**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>
19	010	CTT	Transaction Totals	O	1		n1
20	020	SE	Transaction Set Trailer	M	1		

**Transaction Set Notes**

1. The number of lines items (CTT01) is the accumulation of number of LIN segments. If used, hash total (CTT02) is the sum of the value of the quantities (FST01) for each FST segment.

**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:**  
**Notes:** The ST segment and elements ST01 and ST02 are built by the EDI translator.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set 862 Shipping Schedule	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:** **BSS** **Beginning Segment for Shipping Schedule/Production Sequence**  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To transmit identifying numbers, dates, and other basic data relating to the transaction set  
**Syntax Notes:** 1 At least one of BSS07 or BSS08 is required.  
**Semantic Notes:** 1 Use BSS02 to indicate a document number.  
 2 Use BSS03 to indicate the date of this document.  
 3 Use BSS05 to indicate the schedule horizon start date (the date when the schedule begins).  
 4 Use BSS06 to indicate the schedule horizon end date (the date when the schedule ends).  
 5 BSS08 is the identifying number for a forecast assigned by the orderer/purchaser.

**Comments:**

**Notes:** The segment always indicates a new release of the shipping schedule or trigger data for the material number on the specified order number. The data should always be considered new information for releases to be added to the supplier's previous information.

The BSS dates have little significance to Deere, but the standard requires the dates in the transaction.

The codes of "DL"/"SH" and "A" are sent to indicate actual discrete quantity expected delivered/shipped.

- When BSS04 is "DL", the enclosed dates are the expected date of delivery at the customer's dock, so suppliers must consider transportation time in order to determine the required ship date from their facility.

- When BSS04 is "SH", the enclosed dates are the expected date of shipment.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	BSS01	353	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set 00 Original 05 Replace	M ID 2/2
M	BSS02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
M	BSS03	373	<b>Date</b> Date expressed as CCYYMMDD	M DT 8/8
M	BSS04	675	<b>Schedule Type Qualifier</b> Code identifying the type of dates used when defining a shipping or delivery time in a schedule or forecast DL Delivery Based SH Shipment Based	M ID 2/2
M	BSS05	373	<b>Date</b> Date expressed as CCYYMMDD	M DT 8/8
M	BSS06	373	<b>Date</b> Date expressed as CCYYMMDD	M DT 8/8
	BSS07	328	<b>Release Number</b> Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	X AN 1/30
	BSS10	324	<b>Purchase Order Number</b>	O AN 1/22

**BSS11**      **676**      Identifying number for Purchase Order assigned by the orderer/purchaser  
**Schedule Quantity Qualifier**      **O ID 1/1**  
Code identifying the type of quantities used when defining a schedule or  
forecast  
    A                      Actual Discrete Quantities

**Segment:** **N1** Name  
**Position:** 050  
**Loop:** N1 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:** Name Loop (N1-N4) can have multiple occurrences. At least one N1 segment will always contain an indicator ("ST") for the ship to location.

There will be an associated DUNS number or another Deere unique number to cross-reference all the address information. If the code "92" is used to indicate a Deere unique number, the supplier must be sure there is associated address information in the supplier data base or in the 862 data being transmitted.

#### Data Element Summary

Ref.	Data	Attributes	
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>ID</u>
M	N101	98	M ID 2/3
		Entity Identifier Code	
		Code identifying an organizational entity, a physical location, property or an individual	
		FS	Final Scheduled Destination
			Customs duties, excise taxes, and use of bonded fuels are dependent on whether an aircraft flight originated or is destined for an international location, these codes would be used to note those occurrences
		ST	Ship To
	N102	93	X AN 1/60
		Name	
		Free-form name	
	N103	66	X ID 1/2
		Identification Code Qualifier	
		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	X AN 2/80
		Identification Code	
		Code identifying a party or other code	

**Segment:** N2 Additional Name Information  
**Position:** 060  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify additional names or those longer than 35 characters in length  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b><u>Des.</u></b>	<b><u>Element</u> <u>Name</u></b>	
M	N201	93 Name Free-form name	M AN 1/60

**Segment:** N3 Address Information  
**Position:** 070  
**Loop:** N1 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**

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

**Segment:** **N4 Geographic Location**  
**Position:** 080  
**Loop:** N1 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.  
**Notes:** The optional data contained in N405/N406 is the John Deere unloading (possibly receiving gate and dept) storage location. This information is required on the material's shipping documents to insure delivery at the intended location.

#### 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 DE Destination (Shipping)	<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:** **LIN** Item Identification  
**Position:** 010  
**Loop:** LIN Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify basic item identification data  
**Syntax Notes:**

- 1 If either LIN04 or LIN05 is present, then the other is required.
- 2 If either LIN06 or LIN07 is present, then the other is required.
- 3 If either LIN08 or LIN09 is present, then the other is required.
- 4 If either LIN10 or LIN11 is present, then the other is required.
- 5 If either LIN12 or LIN13 is present, then the other is required.
- 6 If either LIN14 or LIN15 is present, then the other is required.
- 7 If either LIN16 or LIN17 is present, then the other is required.
- 8 If either LIN18 or LIN19 is present, then the other is required.
- 9 If either LIN20 or LIN21 is present, then the other is required.
- 10 If either LIN22 or LIN23 is present, then the other is required.
- 11 If either LIN24 or LIN25 is present, then the other is required.
- 12 If either LIN26 or LIN27 is present, then the other is required.
- 13 If either LIN28 or LIN29 is present, then the other is required.
- 14 If either LIN30 or LIN31 is present, then the other is required.

**Semantic Notes:** 1 LIN01 is the line item identification  
**Comments:**

- 1 See the Data Dictionary for a complete list of IDs.
- 2 LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

**Notes:** This segment contains the John Deere material number being ordered, and possibly other information related to the part (see code definitions). The John Deere PO number will also be included on this segment.

#### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
LIN01	350	Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
M	LIN02	235 Product/Service ID Qualifier	M ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		BP	Buyer's Part Number
M	LIN03	234 Product/Service ID	M AN 1/48
		Identifying number for a product or service	
	LIN04	235 Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		CR	Contract Number
		EC	Engineering Change Level
		PD	Part Number Description
		PL	Purchaser's Order Line Number
			The PO Line Number value needs to be returned on the 856 Advance Ship Notice in the LIN segment's qualified/value pair with qualifier "PL"
		RC	Returnable Container Number
			non-SAP units only
		VP	Vendor's (Seller's) Part Number
	LIN05	234 Product/Service ID	X AN 1/48
		Identifying number for a product or service	
		Paired elements LIN04/LIN05 thru LIN10/LIN11 will be sent based on the dynamic existence of data. The qualifier must be used in identifying the	

			business relevance of the value.
LIN06	235	<b>Product/Service ID Qualifier</b>	X ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)
LIN07	234	<b>Product/Service ID</b>	X AN 1/48
			Identifying number for a product or service
			Paired elements LIN04/LIIN05 thru LIN10/LIN11 will be sent based on the dynamic existence of data. The qualifier must be used in identifying the business relevance of the value.
LIN08	235	<b>Product/Service ID Qualifier</b>	X ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)
LIN09	234	<b>Product/Service ID</b>	X AN 1/48
			Identifying number for a product or service
			Paired elements LIN04/LIIN05 thru LIN10/LIN11 will be sent based on the dynamic existence of data. The qualifier must be used in identifying the business relevance of the value.
LIN10	235	<b>Product/Service ID Qualifier</b>	X ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)
LIN11	234	<b>Product/Service ID</b>	X AN 1/48
			Identifying number for a product or service
			Paired elements LIN04/LIIN05 thru LIN10/LIN11 will be sent based on the dynamic existence of data. The qualifier must be used in identifying the business relevance of the value.

**Segment:** **UIT** Unit Detail  
**Position:** 020  
**Loop:** LIN Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify item unit data  
**Syntax Notes:** 1 If UIT03 is present, then UIT02 is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	UIT01	C001	<b>Composite Unit of Measure</b> To identify a composite unit of measure (See Figures Appendix for examples of use) (Example: PC=pieces)	M
M	C00101	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 (Example: PC=pieces)	M ID 2/2

**Segment:** **PKG** Marking, Packaging, Loading  
**Position:** 030  
**Loop:** LIN Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To describe marking, packaging, loading, and unloading requirements  
**Syntax Notes:**

- 1 At least one of PKG04 PKG05 or PKG06 is required.
- 2 If PKG04 is present, then PKG03 is required.
- 3 If PKG05 is present, then PKG01 is required.

**Semantic Notes:**

- 1 PKG04 should be used for industry-specific packaging description codes.

**Comments:**

- 1 Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.
- 2 If PKG01 equals "F", then PKG05 is used. If PKG01 equals "S", then PKG04 is used. If PKG01 equals "X", then both PKG04 and PKG05 are used.
- 3 Use PKG03 to indicate the organization that publishes the code list being referred to.
- 4 Special marking or tagging data can be given in PKG05 (description).

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
PKG01	349	<b>Item Description Type</b> Code indicating the format of a description F Free-form	X ID 1/1
PKG02	753	<b>Packaging Characteristic Code</b> Code specifying the marking, packaging, loading and related characteristics being described CB Container Type CUD Cushioning and Dunnage	O ID 1/5
PKG05	352	<b>Description</b> A free-form description to clarify the related data elements and their content	X AN 1/80

**Segment:** **REF** Reference Identification  
**Position:** 050  
**Loop:** LIN Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify identifying information  
**Syntax Notes:**

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

- 1 REF04 contains data relating to the value cited in REF02.

**Comments:**  
**Notes:**

This segment(s) may be included to provide additional delivery location information. The "DP" qualifier indicates a particular factory Department beyond the receiving gate that the receiving customer would expect to be attached to the shipping information, so that material can be routed efficiently to the correct internal location. Likewise, the "LF" qualifier may be sent to indicate a specific Line Feed location within the customer factory. This information may be expected to be returned on the shipping documents or on the electronic shipping notice (ASN or 856) transaction.

In addition, another REF segment will normally be sent with an indicator of "KB" or "LS" to communicate the trigger release number. This REF segment is also expected to be returned on the ASN 856 transaction when the shipment of this trigger release is completed.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification 9H Packaging Group Number DK Dock Number DP Department Number KB Beginning Kanban Serial Number Contains the John Deere trigger number. LF Assembly Line Feed Location LS Bar-Coded Serial Number	M ID 2/3
	REF02	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

<b>Segment:</b>	<b>FST Forecast Schedule</b>
<b>Position:</b>	080
<b>Loop:</b>	FST      Optional
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify the forecasted dates and quantities
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If either FST06 or FST07 is present, then the other is required.</li> <li>2 If either FST08 or FST09 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 If FST03 equals "F" (indicating flexible interval), then FST04 and FST05 are required. FST04 would be used for the start date of the flexible interval and FST05 would be used for the end date of the flexible interval.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 As qualified by FST02 and FST03, FST04 represents either a discrete forecast date, the first date of a forecasted bucket (weekly, monthly, quarterly, etc.) or the start date of a flexible interval.</li> <li>2 FST06 qualifies the time in FST07. The purpose of the FST07 element is to express the specific time of day in a 24-hour clock to satisfy "just-in-time" requirements. As an alternative, the ship/delivery pattern segment (SDP) may be used to define an approximate time, such as a.m. or p.m.</li> </ol>
<b>Notes:</b>	<p>This segment contains the date (refer to BSS04 for meaning) and required quantity. The field following the quantity is the indicator of firm, committed ("C") deliveries. There will one FST line for every date and quantity combination.</p> <p>If a supplier is not able to provide the material as expected on these segments, contacting a John Deere representative is required.</p> <p>FST06, FST07, FST08, FST09 will be sent by John Deere only under certain conditions.</p> <p>The following 2 segments (SHP and REF) are normally NOT included in the 862 ship schedule data.</p>

#### Data Element Summary

<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
<b><u>Des.</u></b>	<b><u>Element</u>   <u>Name</u></b>	<b><u>Attributes</u></b>
<b>M</b>	<b>FST01      380      Quantity</b> Numeric value of quantity	<b>M   R 1/15</b>
<b>M</b>	<b>FST02      680      Forecast Qualifier</b> Code specifying the sender's confidence level of the forecast data or an action associated with a forecast C                      Firm	<b>M   ID 1/1</b>
<b>M</b>	<b>FST03      681      Forecast Timing Qualifier</b> Code specifying interval grouping of the forecast D                      Discrete	<b>M   ID 1/1</b>
<b>M</b>	<b>FST04      373      Date</b> Date expressed as CCYYMMDD	<b>M   DT 8/8</b>
	<b>FST06      374      Date/Time Qualifier</b> Code specifying type of date or time, or both date and time 002                      Delivery Requested 010                      Requested Ship	<b>X   ID 3/3</b>
	<b>FST07      337      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>FST08      128      Reference Identification Qualifier</b> Code qualifying the Reference Identification	<b>X   ID 2/3</b>

**FST09**

**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:** **SHP** Shipped/Received Information

**Position:** 140

**Loop:** SHP Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify shipment and/or receipt information

**Syntax Notes:**

- 1 If SHP01 is present, then SHP02 is required.
- 2 If SHP03 is present, then at least one of SHP04 or SHP05 is required.
- 3 If SHP04 is present, then SHP03 is required.
- 4 If SHP05 is present, then SHP03 is required.

**Semantic Notes:**

- 1 SHP04 is the date shipped, delivered, received, or the cumulative quantity start date (as qualified by SHP03).
- 2 SHP06 is the cumulative quantity end date.

**Comments:**

- 1 The SHP segment is used to communicate shipment, delivery, or receipt information and may include discrete or cumulative quantities, dates, and times.
- 2 If SHP01 equals "02", "07", "08", "09", or "10" (indicating cumulative quantities), then SHP04 and SHP06 are required to identify the start and end dates of the quantity count.

**Notes:** The SHP segment may appear twice. If present, this data is intended to help the supplier determine if material was shipped but not yet receipted at the time of the customer requirement generation activity. If material was in fact in transit at that time, then the supplier deducts the quantity in transit from the earliest delivery date(s) provided in the FST segments.

- most recent date of receipt activity may be provided, and associated quantity is the total receipt quantity for the material on the specified date.
- a second occurrence may be provided with the accumulated receipts since the beginning of the order.

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
SHP01	673	<b>Quantity Qualifier</b>	<b>O ID 2/2</b>
		Code specifying the type of quantity	
		01 Discrete Quantity	
		02 Cumulative Quantity	
SHP02	380	<b>Quantity</b>	<b>X R 1/15</b>
		Numeric value of quantity	
SHP03	374	<b>Date/Time Qualifier</b>	<b>X ID 3/3</b>
		Code specifying type of date or time, or both date and time	
		050 Received	
		051 Cumulative Quantity Start	
SHP04	373	<b>Date</b>	<b>X DT 8/8</b>
		Date expressed as CCYYMMDD	

**Segment:** **REF** Reference Identification  
**Position:** 150  
**Loop:** SHP Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify identifying information  
**Syntax Notes:**

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

- 1 REF04 contains data relating to the value cited in REF02.

**Comments:**  
**Notes:** This optional REF segment may contain the ship ID number associated with the most recent receipt referenced in the SHP segment.

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128 Reference Identification Qualifier Code qualifying the Reference Identification SI Shipper's Identifying Number for Shipment (SID) A unique number (to the shipper) assigned by the shipper to identify the shipment	M ID 2/3
	REF02	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:** **CTT Transaction Totals**  
**Position:** 010  
**Loop:**  
**Level:** Summary  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit a hash total for a specific element in the transaction set  
**Syntax Notes:** 1 If either CTT03 or CTT04 is present, then the other is required.  
 2 If either CTT05 or CTT06 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	CTT01	354	<b>Number of Line Items</b> Total number of line items in the transaction set Number of Line Items (CTT01) is the accumulation of number of LIN segments.	<b>M N0 1/6</b>
	CTT02	347	<b>Hash Total</b> Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.  Example:  -.0018 First occurrence of value being hashed.  .18 Second occurrence of value being hashed.  1.8 Third occurrence of value being hashed.  18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field. Hash Total (CTT02) is the sum of the value of the quantities (FST01) for each FST segment.	<b>O R 1/10</b>

**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

ISA\*00\*                   \*00\*                   \*01\*149825353                   \*ZZ\*DEEREVEUSF  
\*141017\*0004\*U\*00401\*001032711\*0\*P\*>  
GS\*SS\*AG\*14830\*20141017\*0004\*15060\*X\*004010  
ST\*862\*150600001  
BSS\*00\*0000000289877327\*20141017\*SH\*20141017\*20141017\*0000460431  
N1\*ST\*JACOBSON WAREHOUSE CO INC\*1\*603911475  
N3\*1300 19TH ST  
N4\*EAST MOLINE\*IL\*61244-235\*US  
LIN\*0010\*BP\*PART NO\*CR\*5500000000\*PL\*0010  
UIT\*PC  
PKG\*F\*CB\*\*\*RS026  
PKG\*F\*CUD\*\*\*DUNNAGE  
REF\*DP\*M011  
REF\*LF\*M011  
REF\*KB\*004604310010  
FST\*10\*C\*D\*20141023  
LIN\*0020\*BP\*PART NO\*CR\*5500000000\*PL\*0010  
UIT\*PC  
PKG\*F\*CB\*\*\*RS026  
PKG\*F\*CUD\*\*\*DUNNAGE  
REF\*DP\*M011  
REF\*LF\*M011  
REF\*KB\*004604310020  
FST\*10\*C\*D\*20141023  
CTT\*2\*20  
SE\*19\*150600001  
GE\*1\*15060  
IEA\*1\*001032711