

855 Purchase Order Acknowledgment

Functional Group ID=**PR**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Acknowledgment Transaction Set (855) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to a seller's acknowledgment of a buyer's purchase order. This transaction set can also be used as notification of a vendor generated order. This usage advises a buyer that a vendor has or will ship merchandise as prearranged in their partnership.

Notes:

The transaction is used to receive Purchase Order Acknowledgement information from a supplier for orders confirming the promise shipment date and quantity in response to a Purchase Order sent to the supplier for materials or services to be provided to a Deere location. The Purchase Order number and Purchase Order date must be referenced within the transaction, at the header level (applies to all items on the order), the part number and the promise ship date are sent at the detail item level. In addition this transaction contains an internal order number which was transmitted within the original Purchase Order, along with a status code of the line item. For suppliers to John Deere's JDM division this transaction is a requirement in response to a Purchase Order, for other Deere units this transaction can be sent in response to a Purchase Order where the quantity ordered or the date requested for the product cannot be fulfilled.

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	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1		

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 - PO1			100000	
4	010	PO1	Baseline Item Data	O	1		n1
			LOOP ID - ACK			104	
5	270	ACK	Line Item Acknowledgment	O	1		

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>
			LOOP ID - CTT			1	
6	010	CTT	Transaction Totals	O	1		n2
7	030	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. PO102 is required.
2. The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 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:

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	M ID 3/3
		855	Purchase Order Acknowledgment	
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: **BAK** Beginning Segment for Purchase Order Acknowledgment
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Purchase Order Acknowledgment Transaction Set and transmit identifying numbers and dates

Syntax Notes:

- Semantic Notes:**
- 1 BAK04 is the date assigned by the purchaser to purchase order.
 - 2 BAK08 is the seller's order number.
 - 3 BAK09 is the date assigned by the sender to the acknowledgment.

Comments:

Notes: The segment always indicates the original purchase order number and the date of the purchase order. It will always be an original transaction with an acknowledgment type code of accepted included in the segment.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	BAK01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original	M ID 2/2
M	BAK02	587	Acknowledgment Type Code specifying the type of acknowledgment AT Accepted	M ID 2/2
M	BAK03	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser	M AN 1/22
M	BAK04	373	Date Date expressed as CCYYMMDD	M DT 8/8

Segment: **PO1** **Baseline Item Data**

Position: 010

Loop: PO1 Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify basic and most frequently used line item data

Syntax Notes:

- 1 If PO103 is present, then PO102 is required.
- 2 If PO105 is present, then PO104 is required.
- 3 If either PO106 or PO107 is present, then the other is required.
- 4 If either PO108 or PO109 is present, then the other is required.
- 5 If either PO110 or PO111 is present, then the other is required.
- 6 If either PO112 or PO113 is present, then the other is required.
- 7 If either PO114 or PO115 is present, then the other is required.
- 8 If either PO116 or PO117 is present, then the other is required.
- 9 If either PO118 or PO119 is present, then the other is required.
- 10 If either PO120 or PO121 is present, then the other is required.
- 11 If either PO122 or PO123 is present, then the other is required.
- 12 If either PO124 or PO125 is present, then the other is required.

Semantic Notes:

Comments:

- 1 See the Data Element Dictionary for a complete list of IDs.
- 2 PO101 is the line item identification.
- 3 PO106 through PO125 provide for ten different product/service IDs per each item.
For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: This segment is used to communicate the quantity and the buyers part number on the purchase order. For suppliers to Deere the buyer part number is a requirement within the transaction and the quantity is a requirement within the standards.

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
PO101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O AN 1/20
PO102	330	Quantity Ordered Quantity ordered	X R 1/15
PO103	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 (Example PC=Piece)	O ID 2/2
PO106	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 PL Purchaser's Order Line Number	X ID 2/2
PO107	234	Product/Service ID Identifying number for a product or service	X AN 1/48

Segment: **ACK** Line Item Acknowledgment
Position: 270
Loop: ACK Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To acknowledge the ordered quantities and specify the ready date for a specific line item
Syntax Notes:

- 1 If either ACK02 or ACK03 is present, then the other is required.
- 2 If ACK04 is present, then ACK05 is required.
- 3 If either ACK07 or ACK08 is present, then the other is required.
- 4 If either ACK09 or ACK10 is present, then the other is required.
- 5 If either ACK11 or ACK12 is present, then the other is required.
- 6 If either ACK13 or ACK14 is present, then the other is required.
- 7 If either ACK15 or ACK16 is present, then the other is required.
- 8 If either ACK17 or ACK18 is present, then the other is required.
- 9 If either ACK19 or ACK20 is present, then the other is required.
- 10 If either ACK21 or ACK22 is present, then the other is required.
- 11 If either ACK23 or ACK24 is present, then the other is required.
- 12 If either ACK25 or ACK26 is present, then the other is required.
- 13 If either ACK27 or ACK28 is present, then the other is required.
- 14 If ACK28 is present, then both ACK27 and ACK29 are required.

Semantic Notes:

- 1 ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.

Comments:
Notes:

This segment is required by John Deere to provide the promise ship date and the internal order number that Deere provides on the Purchase Order. There is also a line item status code which explains if the item is accepted, partially accepted, or back ordered.

Data Element Summary

Ref.	Data Element	Name	Attributes
M	ACK01	Line Item Status Code	M ID 2/2
		Code specifying the action taken by the seller on a line item requested by the buyer	
		AC Item Accepted and Shipped	
		BP Item Accepted - Partial Shipment, Balance Backordered	
		IA Item Accepted	
		IB Item Backordered	
	ACK02	Quantity	X R 1/15
		Numeric value of quantity	
	ACK03	Unit or Basis for Measurement Code	X ID 2/2
		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.	
	ACK04	Date/Time Qualifier	O ID 3/3
		Code specifying type of date or time, or both date and time	
		085 Promised for Shipment (Prior to and Including)	
	ACK05	Date	X DT 8/8
		Date expressed as CCYYMMDD	
	ACK06	Request Reference Number	O AN 1/45
		Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)	
		John Deere Merchandise Division requires their John Deere Dealer Order Number.	

Segment: **CTT** Transaction Totals
Position: 010
Loop: CTT Optional
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.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	CTT01	354	Number of Line Items Total number of line items in the transaction set	M N0 1/6

Segment: **SE** Transaction Set Trailer
Position: 030
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

Purchase Order Acknowledgement

Based on AIAG Implementation Guideline - Version 4010

Sample EDI Transmission

ISA*00* *00* *01*305678132 *01*030566103
*100131*0717*U*00401*000000019*0*P*>
GS*PR*305678132*030566103*20100131*0717*19*X*004010
ST*855*0019
BAK*00*AT*4500034567*20100202
PO1*00010*7*PC***BP*TY12345
ACK*IA*7*PC*085*20100203*0600906501
PO1*00020*15*PC***BP*TY34567
ACK*IA*15*PC*085*20100204*0600906501
CTT*2
SE*8*0019
GE*1*19
IEA*1*000000019