



855 Purchase Order Acknowledgment – Vendor Direct

Version: X12 4010

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855

Purchase Order Acknowledgment

Functional Group=**PR**

This Standard 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:

Revision History –

9/18/07 – Added Optional Header level N9 loop for notes in MSG segment
 9/16/07 – Added notation on the requirements for vendor number, PO number, and SKU
 9/12/07 – Removed DTM and ITD segments
 9/11/07 – Added optional order level REF for Vendor order number
 8/23/07 – Changed PO1 segment to mandatory

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1			Must use
050	REF	Reference Identification	M	1			Must use
050	REF	Reference Identification	O	1			Used
060	PER	Administrative Communications Contact	O	1			Used
LOOP ID - N9					1		
280	N9	Reference Identification	M	1			Must use
290	MSG	Message Text	M	1			Must use

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - PO1					100000	N2/010L	
010	PO1	Baseline Item Data	M	1		N2/010	Must use
LOOP ID - PID					3		
050	PID	Product/Item Description	O	1			Used
LOOP ID - ACK					104		
270	ACK	Line Item Acknowledgment	M	1			Must use

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - CTT					1	N3/010L	
010	CTT	Transaction Totals	M	1		N3/010	Must use
030	SE	Transaction Set Trailer	M	1			Must use

Notes:

2/010L PO102 is required.

2/010 PO102 is required.

3/010L 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.

3/010 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.

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To indicate the start of a transaction set and to assign a control number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use
		Description: Code uniquely identifying a Transaction Set				
		<u>Code</u>		<u>Name</u>		
		855		Purchase Order Acknowledgment		
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

BAK Beginning Segment for Purchase Order Acknowledgment

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

User Option (Usage): Must use

To indicate the beginning of the Purchase Order Acknowledgment Transaction Set and transmit identifying numbers and dates

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BAK01	353	Transaction Set Purpose Code	M	ID	2/2	Must use
		Description: Code identifying purpose of transaction set				
		<u>Code</u>		<u>Name</u>		
		00		Original		
BAK02	587	Acknowledgment Type	M	ID	2/2	Must use
		Description: Code specifying the type of acknowledgment				
		<u>Code</u>		<u>Name</u>		
		AD		Acknowledge - With Detail, No Change		
		RD		Reject with Detail		
BAK03	324	Purchase Order Number	M	AN	7/8	Must use
		Description: Identifying number for Purchase Order assigned by the orderer/purchaser				
BAK04	373	Date	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
BAK09	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				

Semantics:

1. BAK04 is the date assigned by the purchaser to purchase order.

User Note 1:

If an order is being rejected, an 855 is required.

REF Reference Identification

Pos: 050	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To specify identifying information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

<u>Code</u>	<u>Name</u>
IA	Internal Vendor Number

REF02	127	Reference Identification	M	AN	2/6	Must use
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

User Note 1:

Vendor number is required. Must be numeric, 2 - 6 digits and match what was sent on the 850

REF Reference Identification

Pos: 050	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

To specify identifying information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

<u>Code</u>	<u>Name</u>
VN	Vendor Order Number

REF02	127	Reference Identification	M	AN	1/30	Must use
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

PER Administrative Communications Contact

Pos: 060	Max: 1
Heading - Optional	
Loop: N/A	Elements: 8

User Option (Usage): Used

To identify a person or office to whom administrative communications should be directed

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	Contact Function Code	M	ID	2/2	Must use
		Description: Code identifying the major duty or responsibility of the person or group named				
		<u>Code</u>		<u>Name</u>		
		IC		Information Contact		
PER02	93	Name	O	AN	1/60	Used
		Description: Free-form name				
PER03	365	Communication Number Qualifier	X	ID	2/2	Used
		Description: Code identifying the type of communication number				
		<u>Code</u>		<u>Name</u>		
		TE		Telephone		
PER04	364	Communication Number	X	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				
PER05	365	Communication Number Qualifier	X	ID	2/2	Used
		Description: Code identifying the type of communication number				
		<u>Code</u>		<u>Name</u>		
		FX		Facsimile		
PER06	364	Communication Number	X	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				
PER07	365	Communication Number Qualifier	X	ID	2/2	Used
		Description: Code identifying the type of communication number				
		<u>Code</u>		<u>Name</u>		
		EM		Electronic Mail		
PER08	364	Communication Number	X	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.

2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

Loop N9

Pos: 280	Repeat: 1
Optional	
Loop: N9	Elements: N/A

User Option (Usage): Used

To transmit identifying information as specified by the Reference Identification Qualifier

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
280	N9	Reference Identification	M	1		Must use
290	MSG	Message Text	M	1		Must use

N9 Reference Identification

Pos: 280	Max: 1
Heading - Mandatory	
Loop: N9	Elements: 3

User Option (Usage): Must use

To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification				
		<u>Code</u>		<u>Name</u>		
		L1		Letters or Notes		
N902	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
N903	369	Free-form Description	X	AN	1/45	Used
		Description: Free-form descriptive text				

Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.

MSG Message Text

Pos: 290	Max: 1
Heading - Mandatory	
Loop: N9	Elements: 1

User Option (Usage): Must use

To provide a free-form format that allows the transmission of text information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MSG01	933	Free-Form Message Text	M	AN	1/264	Must use

Description: Free-form message text

Loop PO1

Pos: 010	Repeat: 100000
Mandatory	
Loop: PO1	Elements: N/A

User Option (Usage): Must use

To specify basic and most frequently used line item data

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	PO1	Baseline Item Data	M	1		Must use
050		Loop PID	O		3	Used
270		Loop ACK	M		104	Must use

PO1 Baseline Item Data

Pos: 010	Max: 1
Detail - Mandatory	
Loop: PO1	Elements: 10

User Option (Usage): Must use

To specify basic and most frequently used line item data

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO101	350	Assigned Identification	O	AN	1/20	Used
		Description: Alphanumeric characters assigned for differentiation within a transaction set				
PO102	330	Quantity Ordered	M	R	1/15	Must use
		Description: Quantity ordered				
PO103	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<u>Code</u>		<u>Name</u>		
		EA		Each		
PO104	212	Unit Price	X	R	1/17	Used
		Description: Price per unit of product, service, commodity, etc.				
PO106	235	Product/Service ID Qualifier	M	ID	2/2	Must use
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<u>Code</u>		<u>Name</u>		
		EN		European Article Number (EAN) (2-5-5-1)		
				User Note 1:		
				<i>If this qualifier is sent, the EAN number must be 13 digits</i>		
		UP		U.P.C. Consumer Package Code (1-5-5-1)		
				User Note 1:		
				<i>If this qualifier is sent, the UPC number must be 12 digits</i>		
		VN		Vendor's (Seller's) Item Number		
PO107	234	Product/Service ID	M	AN	1/48	Must use
		Description: Identifying number for a product or service				
PO108	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<u>Code</u>		<u>Name</u>		
		EN		European Article Number (EAN) (2-5-5-1)		
				User Note 1:		
				<i>If this qualifier is sent, the EAN number must be 13 digits</i>		
		SK		Stock Keeping Unit (SKU)		
				User Note 1:		

If this qualifier is sent, the SKU number must be numeric, 6 - 9 digits and must match what was sent on the 850

UP U.P.C. Consumer Package Code (1-5-5-1)

User Note 1:

If this qualifier is sent, the UPC number must be 12 digits

VN Vendor's (Seller's) Item Number

PO109	234	Product/Service ID	X	AN	1/48	Used
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Description: Identifying number for a product or service

PO110	235	Product/Service ID Qualifier	X	ID	2/2	Used
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

<u>Code</u>	<u>Name</u>
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EN	European Article Number (EAN) (2-5-5-1)
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User Note 1:

If this qualifier is sent, the EAN number must be 13 digits

SK Stock Keeping Unit (SKU)

User Note 1:

If this qualifier is sent, the SKU number must be numeric, 6 - 9 digits and must match what was sent on the 850

UP U.P.C. Consumer Package Code (1-5-5-1)

User Note 1:

If this qualifier is sent, the UPC number must be 12 digits

VN Vendor's (Seller's) Item Number

PO111	234	Product/Service ID	X	AN	1/48	Used
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Description: Identifying number for a product or service

Syntax Rules:

1. C0302 - If PO103 is present, then PO102 is required.
2. C0504 - If PO105 is present, then PO104 is required.
3. P0607 - If either PO106 or PO107 is present, then the other is required.
4. P0809 - If either PO108 or PO109 is present, then the other is required.
5. P1011 - If either PO110 or PO111 is present, then the other is required.

Loop PID

Pos: 050	Repeat: 3
Optional	
Loop: PID	Elements: N/A

User Option (Usage): Used

To describe a product or process in coded or free-form format

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
050	PID	Product/Item Description	O	1		Used

PID Product/Item Description

Pos: 050	Max: 1
Detail - Optional	
Loop: PID	Elements: 3

User Option (Usage): Used

To describe a product or process in coded or free-form format

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PID01	349	Item Description Type	M	ID	1/1	Must use
		Description: Code indicating the format of a description				
		<u>Code</u>		<u>Name</u>		
		F		Free-form		
PID02	750	Product/Process Characteristic Code	M	ID	2/3	Must use
		Description: Code identifying the general class of a product or process characteristic				
		<u>Code</u>		<u>Name</u>		
		08		Product		
		75		Buyer's Color Description		
		91		Buyer's Item Size Description		
PID05	352	Description	M	AN	1/80	Must use
		Description: A free-form description to clarify the related data elements and their content				

Loop ACK

Pos: 270	Repeat: 104
Mandatory	
Loop: ACK	Elements: N/A

User Option (Usage): Must use

To acknowledge the ordered quantities and specify the ready date for a specific line item

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
270	ACK	Line Item Acknowledgment	M	1		Must use

User Note 1:

In the GSI Commerce - Vendor Direct Program the ACK segment is mandatory for each item on the order. Codes included in the ACK01 are different reasons for canceling the item/order.

ACK Line Item Acknowledgment

Pos: 270	Max: 1
Detail - Mandatory	
Loop: ACK	Elements: 3

User Option (Usage): Must use

To acknowledge the ordered quantities and specify the ready date for a specific line item

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ACK01	668	Line Item Status Code	M	ID	2/2	Must use

Description: Code specifying the action taken by the seller on a line item requested by the buyer

<u>Code</u>	<u>Name</u>
AH	Cancelled (Invalid Shipping Address)
FS	Cancelled (Fraud)
IA	Item Accepted
ID	Item Deleted
User Note 1: <i>Item Out of Stock</i>	
IR	Item Rejected
User Note 1: <i>Cancelled (Customer Request)</i>	
R2	Item Rejected, Invalid Item Product Number
YD	Cancelled (Duplicate)

ACK02	380	Quantity	X	R	1/15	Used
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Description: Numeric value of quantity

ACK03	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
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Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

<u>Code</u>	<u>Name</u>
EA	Each

Syntax Rules:

1. P0203 - If either ACK02 or ACK03 is present, then the other is required.

User Note 1:

In the GSI Commerce - Vendor Direct Program the ACK02 element is the quantity affected by the status indicated in ACK01.

Loop CTT

Pos: 010	Repeat: 1
Mandatory	
Loop: CTT	Elements: N/A

User Option (Usage): Must use

To transmit a hash total for a specific element in the transaction set

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	CTT	Transaction Totals	M	1		Must use

CTT Transaction Totals

Pos: 010	Max: 1
Summary - Mandatory	
Loop: CTT	Elements: 1

User Option (Usage): Must use

To transmit a hash total for a specific element in the transaction set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items	M	N0	1/6	Must use

Description: Total number of line items in the transaction set

SE Transaction Set Trailer

Pos: 030	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments	M	N0	1/10	Must use
		Description: Total number of segments included in a transaction set including ST and SE segments				
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

Comments:

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

Appendix

All Included Elements in All Included Segments

<u>Id</u>	<u>Elements</u>	<u>Used in Segments</u>
28	Group Control Number	GE, GS
93	Name	PER
96	Number of Included Segments	SE
97	Number of Transaction Sets Included	GE
124	Application Receiver's Code	GS
127	Reference Identification	N9, REF
128	Reference Identification Qualifier	N9, REF
142	Application Sender's Code	GS
143	Transaction Set Identifier Code	ST
212	Unit Price	PO1
234	Product/Service ID	PO1
235	Product/Service ID Qualifier	PO1
324	Purchase Order Number	BAK
329	Transaction Set Control Number	SE, ST
330	Quantity Ordered	PO1
337	Time	GS
349	Item Description Type	PID
350	Assigned Identification	PO1
352	Description	PID
353	Transaction Set Purpose Code	BAK
354	Number of Line Items	CTT
355	Unit or Basis for Measurement Code	ACK, PO1
364	Communication Number	PER
365	Communication Number Qualifier	PER
366	Contact Function Code	PER
369	Free-form Description	N9
373	Date	BAK, GS
380	Quantity	ACK
455	Responsible Agency Code	GS
479	Functional Identifier Code	GS
480	Version / Release / Industry Identifier Code	GS
587	Acknowledgment Type	BAK
668	Line Item Status Code	ACK
750	Product/Process Characteristic Code	PID
933	Free-Form Message Text	MSG
101	Authorization Information Qualifier	ISA
102	Authorization Information	ISA
103	Security Information Qualifier	ISA
104	Security Information	ISA
105	Interchange ID Qualifier	ISA
106	Interchange Sender ID	ISA
107	Interchange Receiver ID	ISA

108	Interchange Date	ISA
109	Interchange Time	ISA
110	Interchange Control Standards Identifier	ISA
111	Interchange Control Version Number	ISA
112	Interchange Control Number	IEA, ISA
113	Acknowledgment Requested	ISA
114	Usage Indicator	ISA
115	Component Element Separator	ISA
116	Number of Included Functional Groups	IEA