



855 Purchase Order Acknowledgment

X12/V4010/855 : 855 Purchase Order Acknowledgment

Version: 3.0 Final

Company:

Insight Direct USA, Inc.

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855 Purchase Order Acknowledgment

Functional Group=PR

Purpose: 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.

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1			Must use
040	CUR	Currency	M	1			Must use

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - PO1					100000	N2/010L	
010	PO1	Baseline Item Data	M	1			Must use
100	REF	Reference Identification	O	>1			Used
LOOP ID - ACK					104		
270	ACK	Line Item Acknowledgment	M	1		N2/270	Must use

Summary:

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

ST Transaction Set Header

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

User Option (Usage): Must use

Purpose: 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

Code List Summary (Total Codes: 298, Included: 1)

Code Name

855 Purchase Order Acknowledgment

ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

BAK Beginning Segment for Purchase Order Acknowledgment

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 6

User Option (Usage): Must use

Purpose: 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						
Code List Summary (Total Codes: 65, Included: 1)						
<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						
Code List Summary (Total Codes: 15, Included: 3)						
<u>Code</u> <u>Name</u>						
AC Acknowledge - With Detail and Change						
AD Acknowledge - With Detail, No Change						
RD Reject with Detail						
BAK03	324	Purchase Order Number	M	AN	1/22	Must use
Description: Identifying number for Purchase Order assigned by the orderer/purchaser						
Insight Note: <i>Insight Purchase Order Number</i>						
BAK04	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD						
Insight Note: <i>Insight Purchase Order Date</i>						
BAK08	127	Reference Identification	O	AN	1/30	Used
Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						
Insight Note: <i>Vendor Sales Order Number</i>						
BAK09	373	Date	O	DT	8/8	Used
Description: Date expressed as CCYYMMDD						

Example:

BAK*00*AC*9000234569*20060424****123456*20040425

CUR Currency

Pos: 040	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

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>
CUR01	98	Entity Identifier Code	M	ID	2/3	Must use

Description: Code identifying an organizational entity, a physical location, property or an individual

Code List Summary (Total Codes: 1312, Included: 1)

Code Name

BY Buying Party (Purchaser)

CUR02	100	Currency Code	M	ID	3/3	Must use
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Description: Code (Standard ISO) for country in whose currency the charges are specified

Example:

*CUR*BY*USD*
*CUR*BY*CAD*

PO1 Baseline Item Data

Pos: 010	Max: 1
Detail - Mandatory	
Loop: PO1	Elements: 9

User Option (Usage): Must use

Purpose: 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	M	AN	1/20	Must use

Description: Alphanumeric characters assigned for differentiation within a transaction set

Insight Note: This is the line item number from the original Purchase Order. This number must match the line item number on the original purchase order. If the order was not sent via EDI and you are returning the 855 EDI you must number the line item 00010, 00020 00030 etc.

PO102	330	Quantity Ordered	M	R	1/15	Must use
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Description: Quantity ordered

Insight Note: This must equal the quantity from the original purchase order line.

PO103	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
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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

All valid standard codes are used. (Total Codes: 794)

PO104	212	Unit Price	M	R	1/17	Must use
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Description: Price per unit of product, service, commodity, etc.

Insight Note: This is the price the vendor is charging Insight.

PO105	639	Basis of Unit Price Code	M	ID	2/2	Must use
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Description: Code identifying the type of unit price for an item

Code List Summary (Total Codes: 91, Included: 1)

Code Name

CP Current Price (Subject to Change)

PO106	235	Product/Service ID Qualifier	M	ID	2/2	Must use
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code List Summary (Total Codes: 477, Included: 1)

Code Name

BP Buyer's Part Number

PO107	234	Product/Service ID	M	AN	1/48	Must use
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Description: Identifying number for a product or service

PO108	235	Product/Service ID Qualifier	M	ID	2/2	Must use
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Code List Summary (Total Codes: 477, Included: 1)				
		Code		Name		
		VP		Vendor's (Seller's) Part Number		
PO109	234	Product/Service ID	M	AN	1/48	Must use
		Description: Identifying number for a product or service				

Example:

*PO1*000010*7*EA*29.99*CP*BP*55555523*VP*77777723*

REF Reference Identification

Pos: 100	Max: >1
Detail - Optional	
Loop: PO1	Elements: 3

User Option (Usage): Used

Purpose: 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

Code List Summary (Total Codes: 1503, Included: 1)

Code Name

ZZ Mutually Defined

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

Insight Note:

The following item-rejection codes should be used when the ACK01=IR

- IR1 Duplicate Order
- IR2 Insight Requested Cancellation
- IR3 Invalid/Expired Agreement Number
- IR4 Invalid Ship To
- IR5 Invalid/Missing End User information
- IR6 Shipping/Carrier Issue
- IR7 Other
- IR8 Cannot be ordered as a standalone part
- IR9 EOL/Discontinued Part
- IR10 Fill/Kill and no inventory available
- IR11 Invalid/Missing material number
- IR12 Missing/Incorrect/Expired quote
- IR13 Minimum Order Quantity Required
- IR14 Need HW/Serial Number
- IR15 Not authorized to sell product
- IR16 Price Discrepancy
- IR17 SKU/Quantity does not match quote

REF03	352	Description	M	AN	1/80	Must use
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Description: A free-form description to clarify the related data elements and their content

Insight Note:

The REF segment will only be expected when the ACK01= 'IR'

Example:

REF~ZZ~IR5~Invalid/Missing End User information

ACK Line Item Acknowledgment

Pos: 270	Max: 1
Detail - Mandatory	
Loop: ACK	Elements: 5

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Insight Note: See examples below to determine how to use the various code combinations in this segment.

Code List Summary (Total Codes: 26, Included: 3)

Code	Name
IA	Item Accepted
IB	Item Backordered
IR	Item Rejected

ACK02	380	Quantity	M	R	1/15	Must use
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Description: Numeric value of quantity

Insight Note: The sum of ACK02 elements must equal the corresponding quantity in the PO102.

ACK03	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
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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

Code List Summary (Total Codes: 794, Included: 1)

Code	Name
EA	Each

ACK04	374	Date/Time Qualifier	O	ID	3/3	Used
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Description: Code specifying type of date or time, or both date and time

Code List Summary (Total Codes: 1112, Included: 2)

Code	Name
055	Confirmed
068	Current Schedule Ship

Insight Note:
Used with ACK01 value IA. This is the confirmed ship date.

Insight Note:
Used with ACK01 value IB. This is the date the shipment is expected to ship.

ACK05	373	Date	O	DT	8/8	Used
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Description: Date expressed as CCYYMMDD

Insight Note:

Line item changes (IC) are not accepted via EDI. Please contact the buyer before making any changes to the Insight PO.

Example:

The below ACK segments are describing a PO with an original quantity of seven:

Line Item Accepted; No changes:

*ACK*IA*7*EA*055*20060425*

Line Item Rejected; The quantity in ACK02 must equal the quantity from the original purchase order line:

*ACK*IR*7*EA*

Line Item Fully Backordered; The quantity in ACK02 must equal the quantity from the original purchase order line:

*ACK*IB*7*EA*068*20060505*

Line Item Partially Backordered; If an item has been partially accepted and the remainder has been backordered, we would expect an ACK

*segment for the quantity accepted (ACK*IA) and another ACK segment for the quantity Backordered (ACK*IB)*

For Example: The original PO contained a line item which asked for a quantity of 7. Of that 7, only 3 could be shipped and 4 went on backorder. The following should be sent:

*ACK*IA*3*EA*055*20060428*

*ACK*IB*4*EA*068*20060519*

CTT Transaction Totals

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

User Option (Usage): Must use

Purpose: 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

Example: *CTT*1*

SE Transaction Set Trailer

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

User Option (Usage): Must use

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)

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				