

Belk Guidelines for 4030VICS***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:

Following this complete VICS convention and implementation guideline, find the profile describing its use in Canada.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	0100	ST	Transaction Set Header	M		1	
Must Use	0200	BAK	Beginning Segment for Purchase Order Acknowledgment	M		1	
	0500	REF	Reference Identification	O		>1	
	1500	DTM	Date/Time Reference	O		10	

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
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		LOOP ID - PO1	100000			
Must Use	0100	PO1	Baseline Item Data	O	1	n1
	0400	CTP	Pricing Information	O	>1	
Must Use	1900	SDQ	Destination Quantity	O	500	

Summary:

<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			
Must Use	0100	CTT	Transaction Totals	O	1	n2
Must Use	0300	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:** 0100**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).
 - 2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.

Comments:

Data Element Summary

Ref.	Data	Attributes
Des.	ElementName	
Must Use	ST01 143 Transaction Set Identifier Code	M ID 3/3
	Code uniquely identifying a Transaction Set 855 Purchase Order Acknowledgment	
Must Use	ST02 329 Transaction Set Control Number	M AN 4/9
	Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set The number is sequentially assigned by the sender, starting with one within each functional group. For each functional group, the first transaction set control number will be 0001 and incremented by one for each additional transaction set within the group.	

Segment:BAK Beginning Segment for Purchase Order Acknowledgment**Position:**0200**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:**1BAK04 is the date assigned by the purchaser to purchase order.

2BAK08 is the seller's order number.

3BAK09 is the date assigned by the sender to the acknowledgment.

Comments:**Notes:** When notifying a retailer of a vendor-generated replenishment order, either code 00 or 16 is used in BAK01 and code AP is used in BAK02. When acknowledging a retailer's purchase order, code 00 is used in BAK01 and either code AD or AK is used in BAK02.

When changing a vendor-generated replenishment order, code 05 is used in BAK01 and code AP is used in BAK02. When acknowledging a retailer's purchase order with change, code 19 is used in BAK01 and either code AC or AE is used in BAK02.

When canceling a vendor-generated replenishment order, code 01 is used in BAK01 and code AP is used in BAK02. When acknowledging a retailer's purchase order with a cancellation, code 01 is used in BAK01 and code RJ is used in BAK02.

Listed below are some of the errors that will cause the Purchase Order Acknowledgment to be rejected by Belk:

- the purchase order number is not numeric
- the purchase order number is not seven digits
- the purchase order number does not begin with "9"
- the purchase order number is a duplicate of one already received by Belk
- the purchase order acknowledgment contains stores that cross two or more Belk partner groups
- the purchase order acknowledgment contains one or more invalid stores

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>ElementName</u>	
Must Use BAK01	353 Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original NOTIFICATION: If XQ01, in Transaction Set 852, contains code G, BAK01 will contain code 00. ACKNOWLEDGMENT: This is the original acknowledgment.	M ID 2/2
Must Use BAK02	587 Acknowledgment Type Code specifying the type of acknowledgment Codes AC, AD, AE, AK and RJ may be used only for acknowledgments to a retailer's purchase order. Code AP may only be used to indicate a vendor-generated replenishment acknowledgment (notification). AP Acknowledge - Product Replenishment	M ID 2/2
Must Use BAK03	324 Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser NOTIFICATION: Purchase order numbers are negotiable as part of trading partner relationships and can be pre-assigned in XPO01 or XPO02 in Transaction Set 852. The purchase order number (BAK03) will be a seven digit number that begins with "9".	M AN 1/22
Must Use BAK04	373 Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year NOTIFICATION: The date the replenished order was created from the supplier's modeling system	M DT 8/8
BAK07	367 Contract Number Contract number	O AN 1/30

Segment:*REF* Reference Identification

Position:0500

Loop:**Level:**Heading**Usage:**Optional**Max Use:**>1**Purpose:**To specify identifying information**Syntax Notes:**1At least one of REF02 or REF03 is required.

2If either C04003 or C04004 is present, then the other is required.

3If either C04005 or C04006 is present, then the other is required.

Semantic Notes:1REF04 contains data relating to the value cited in REF02.**Comments:**

Notes: There must be one occurrence of this segment to specify the retailer's department number, if the retailer has department numbers. Additional segments may be used to specify other reference numbers.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>ElementName</u>	
Must Use REF01	128 Reference Identification Qualifier Code qualifying the Reference Identification DP Department Number IA Internal Vendor Number Identification number assigned to the vendor, by the retailer, for use within the retailer's system	M ID 2/3
Must Use REF02	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier The reference identification (REF02) will contain the four digit department number when the reference identification qualifier (REF01) is "DP". The reference identification (REF02) will contain the seven digit internal vendor number when the reference identification qualifier (REF01) is "IA".	X AN 1/50

Segment:*DTM* Date/Time Reference**Position:**1500**Loop:****Level:**Heading**Usage:**Optional**Max Use:**10**Purpose:**To specify pertinent dates and times**Syntax Notes:**1At least one of DTM02 DTM03 or DTM05 is required.

2If DTM04 is present, then DTM03 is required.

3If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes: This segment is used to specify order processing dates.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>ElementName</u>	
Must Use DTM01	374 Date/Time Qualifier	M ID 3/3
	Code specifying type of date or time, or both date and time	
	001 Cancel After	
	If the order has not been shipped by this date, the order is considered canceled	
	010 Requested Ship	
	068 Current Schedule Ship	
Must Use DTM02	373 Date	X DT 8/8
	Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	

Segment: *PO1* Baseline Item Data

Position:0100

Loop:PO1 Optional (Must Use)

Level:Detail

Usage:Optional (Must Use)

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.

10If either PO120 or PO121 is present, then the other is required.

11If either PO122 or PO123 is present, then the other is required.

12If 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: The codes listed for PO106 apply to every occurrence of Data Element 235 in the PO1 segment.

See Section III for complete U.P.C. and EAN code definitions.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>ElementName</u>	<u>Attributes</u>
PO101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O AN 1/20
Must Use PO102	330	Quantity Ordered Quantity ordered	X R 1/15
Must Use 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 See Section III for code list. EA Each	O ID 2/2
PO104	212	Unit Price Price per unit of product, service, commodity, etc. The price is sent with a decimal point only when needed, e.g., \$15.95 would be sent as "15.95", and \$29.00 would be sent as "29". To indicate a no charge item or free goods, PO104 will contain a single zero (0) and PO105 will contains code NC.	X R 1/17
PO105	639	Basis of Unit Price Code Code identifying the type of unit price for an item This data element is used to clarify or alter the basis of unit price. The unit price expressed in PO104 is always in the same terms as the unit of measure in PO103, unless otherwise specified in PO105.	O ID 2/2

LD Catalog Price per Dozen
 LE Catalog Price per Each
 NC No Charge
 PO Price per Ounce
 PP Price per Pound
 PR Promotion
 QT Quoted
 RD Retail Price per Dozen
 RE Retail Price per Each
 TD Contract Price per Dozen
 TE Contract Price per Each
 WD Wholesale Price per Dozen
 WE Wholesale Price per Each

PO106	235	Product/Service ID Qualifier	X ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
The product/service ID qualifier (PO106) with either "UP" or "EN" is required.			
EN EAN/UCC - 13			
UP UCC - 12			
PO107	234	Product/Service ID	X AN 1/48
Identifying number for a product or service			
The product/service ID (PO107) will contain the 13 digit European Article Number when the product/service ID qualifier (PO106) is "EN".			
The product/service ID (PO107) will contain the 12 digit Universal Product Code when the product/service ID qualifier (PO106) is "UP".			
PO108	235	Product/Service ID Qualifier	X ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
The product/service ID qualifier (PO108) of "VN" is optional.			
VN Vendor's (Seller's) Item Number			
PO109	234	Product/Service ID	X AN 1/48
Identifying number for a product or service			
PO110	235	Product/Service ID Qualifier	X ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
The product/service ID qualifier (PO110) of "VE" is optional.			
VE Vendor Color			
PO111	234	Product/Service ID	X AN 1/48
Identifying number for a product or service			
PO112	235	Product/Service ID Qualifier	X ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
The product/service ID qualifier (PO112) of "SM" is optional.			

PO113 234 Product/Service ID**X AN 1/48**

Identifying number for a product or service

Segment:CTP Pricing Information**Position:**0400**Loop:**PO1 Optional (Must Use)**Level:**Detail**Usage:**Optional**Max Use:**>1**Purpose:**To specify pricing information**Syntax Notes:**1If either CTP04 or CTP05 is present, then the other is required.

2If CTP06 is present, then CTP07 is required.

3If CTP09 is present, then CTP02 is required.

4If CTP10 is present, then CTP02 is required.

5If CTP11 is present, then CTP03 is required.

Semantic Notes:1CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.

2CTP08 is the rebate amount.

Comments:1See Figures Appendix for an example detailing the use of CTP03 and CTP04.

See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

Data Element Summary

Ref.	Data	Attributes
Des.	ElementName	
Must Use CTP02	236 Price Identifier Code Code identifying pricing specification RTL Retail UCP Unit cost price Item list cost	X ID 3/3
Must Use CTP03	212 Unit Price Price per unit of product, service, commodity, etc. The price is sent with a decimal point only when needed, e.g., \$15.95 would be sent as "15.95", and \$29.00 would be sent as "29".	X R 1/17
Must Use CTP04	380 Quantity Numeric value of quantity	M R 1/15
CTP05	C001 Composite Unit of Measure	X

To identify a composite unit of measure (See Figures Appendix for examples of use)

Must Use	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			See Section III for code list.	
			EA Each	

Segment:*SDQ* **Destination Quantity**

Position:1900

Loop:PO1 Optional (Must Use)

Level:Detail

Usage:Optional (Must Use)

Max Use:500

Purpose:To specify destination and quantity detail

Syntax Notes:1If either SDQ05 or SDQ06 is present, then the other is required.

2If either SDQ07 or SDQ08 is present, then the other is required.

3If either SDQ09 or SDQ10 is present, then the other is required.

4If either SDQ11 or SDQ12 is present, then the other is required.

5If either SDQ13 or SDQ14 is present, then the other is required.

6If either SDQ15 or SDQ16 is present, then the other is required.

7If either SDQ17 or SDQ18 is present, then the other is required.

8If either SDQ19 or SDQ20 is present, then the other is required.

9If either SDQ21 or SDQ22 is present, then the other is required.

Semantic Notes:1SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.

Comments:1SDQ02 is used only if different than previously defined in the transaction set.

2SDQ03 is the store number.

3SDQ23 may be used to identify areas within a store, e.g., front room, back room, selling outpost, end aisle display, etc. The value is agreed to by trading partners or industry conventions.

Notes: This segment is used to distribute the line item quantity to various locations. SDQ02 serves the same purpose as N103, and all occurrences of Data Element 67 in this segment function as N104. The SDQ segment functions as an N1 segment containing code BY in N101, that is, the SDQ segment specifies various buying locations. The N1 segment, in the basic order, specifies only one location.

Data Element Summary

Ref. Data

Des. ElementName

Attributes

Must Use	SDQ01	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 See Section III for code list.	M	ID 2/2
Must Use	SDQ02	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer or Buyer's Agent	O	ID 1/2
Must Use	SDQ03	67	Identification Code Code identifying a party or other code The identification code (SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, SDQ21) will contain the four digit Belk store number.	M	AN 2/80
Must Use	SDQ04	380	Quantity Numeric value of quantity	M	R 1/15
	SDQ05	67	Identification Code Code identifying a party or other code	X	AN 2/80
	SDQ06	380	Quantity Numeric value of quantity	X	R 1/15
	SDQ07	67	Identification Code Code identifying a party or other code	X	AN 2/80
	SDQ08	380	Quantity Numeric value of quantity	X	R 1/15
	SDQ09	67	Identification Code Code identifying a party or other code	X	AN 2/80
	SDQ10	380	Quantity Numeric value of quantity	X	R 1/15
	SDQ11	67	Identification Code Code identifying a party or other code	X	AN 2/80
	SDQ12	380	Quantity Numeric value of quantity	X	R 1/15
	SDQ13	67	Identification Code Code identifying a party or other code	X	AN 2/80
	SDQ14	380	Quantity Numeric value of quantity	X	R 1/15
	SDQ15	67	Identification Code Code identifying a party or other code	X	AN 2/80
	SDQ16	380	Quantity Numeric value of quantity	X	R 1/15
	SDQ17	67	Identification Code Code identifying a party or other code	X	AN 2/80
	SDQ18	380	Quantity Numeric value of quantity	X	R 1/15

SDQ19	67	Identification Code	X	AN 2/80
		Code identifying a party or other code		
SDQ20	380	Quantity	X	R 1/15
		Numeric value of quantity		
SDQ21	67	Identification Code	X	AN 2/80
		Code identifying a party or other code		
SDQ22	380	Quantity	X	R 1/15
		Numeric value of quantity		

Segment:CTT Transaction Totals**Position:**0100**Loop:**CTT Optional (Must Use)**Level:**Summary**Usage:**Optional (Must Use)**Max Use:**1**Purpose:**To transmit a hash total for a specific element in the transaction set**Syntax Notes:**1If either CTT03 or CTT04 is present, then the other is required.

2If either CTT05 or CTT06 is present, then the other is required.

Semantic Notes:**Comments:**1This segment is intended to provide hash totals to validate transaction completeness and correctness.**Data Element Summary**

Ref.	Data	Attributes
Des.	ElementName	
Must Use	CTT01 354	Number of Line Items
		M N0 1/6
		Total number of line items in the transaction set
		The number of PO1 segments present in the transaction set

Segment:SE Transaction Set Trailer**Position:**0300**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:1SE is the last segment of each transaction set.

Data Element Summary

Ref.	Data	Attributes
Des.	ElementName	
Must Use	SE01 96	M N0 1/10
	Number of Included Segments	
	Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02 329	M AN 4/9
	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	
	This must be the same number as is in the ST segment (ST02) for the transaction set.	

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Belk 855 Example:

ISA*00* *00* *ql*sender id *08*6123830000 *021102*060

0*U*00403*000000001*0*T*>~

GS*PR*sender id*6123830000*20021102*0600*1*X*004030VICS~

ST*855*000000001~

BAK*00*AP*9123456*20021102~

REF*DP*0320~

DTM*010*20021102~

DTM*001*20021130~

PO1**5*EA*8.2*WE*UP*123456789123~

CTP**MSR*25*15*EA~

SDQ*EA*92*0017*5~

CTT*1~

SE*9*0001~

GE*1*1~

IEA*1*000000001~