



Belk Technical Information for 850

- 1. All EDI Transmissions are through the IBM network
- 2. 850, Version 4010
- 3. 997, Acknowledgment
- 4. EDI Communications ID **08 6123830000**
- 5. IBM Network Account Number **BELK**
- 6. IBM Information Network User ID **BELK021**

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Belk Guidelines for 4010VICS 850 Purchase Order**850 Purchase Order****Functional Group ID=PO****Introduction:**

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) 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 the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

Heading:

	<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>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BEG	Beginning Segment for Purchase Order	M	1		
	050	REF	Reference Identification	O	>1		
	060	PER	Administrative Communications Contact	O	3		
	110	CSH	Sales Requirements	O	5		
			LOOP ID - SAC			25	
	120	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
	150	DTM	Date/Time Reference	O	10		
	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		

Detail:

	<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>
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		LOOP ID - PO1	100000			
Must Use	010	PO1	Baseline Item Data	M	1	n1
		LOOP ID - CTP	>1			
Must Use	040	CTP	Pricing Information	O	1	
	190	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>
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		LOOP ID - CTT			1	
010	CTT	Transaction Totals	O	1		n2

Must Use	030	SE	Transaction Set Trailer	M	1	
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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

Ref.	Data	Attributes
Des.	ElementName	
Must Use	ST01 143 Transaction Set Identifier Code Code uniquely identifying a Transaction Set 850 Purchase Order	M ID 3/3
Must Use	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 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.	M AN 4/9

Segment:*BEG* Beginning Segment for Purchase Order

Position:020

Loop:

Level:Heading

Usage:Mandatory

Max Use:1

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

Syntax Notes:

Semantic Notes:1BEG05 is the date assigned by the purchaser to purchase order.

Comments:

Data Element Summary

Ref.	Data	Attributes
Des.	ElementName	
Must Use	BEG01 353 Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original	M ID 2/2
Must Use	BEG02 92 Purchase Order Type Code Code specifying the type of Purchase Order	M ID 2/2

BK Blanket Order (Quantity Firm)

The Type Code of "BK" will identify a bulk Purchase Order, without store/quantity allocations. The SDQ segment will not be transmitted on this order type. The same purchase order number in the bulk "BK" order will be transmitted in the release "RL" order.

RL Release or Delivery Order

The Type Code of "RL" will identify a release of a bulk order, with the store/quantity allocations transmitted in the SDQ segment. The same purchase order number transmitted in the bulk "BK" order will be transmitted in the release "RL" order.

SA Stand-alone Order

Must Use	BEG03	324	Purchase Order Number	M	AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser		
			Retailer's original purchase order number.		
			Belk's purchase order number (BEG03) is nine numeric digits.		
Must Use	BEG05	373	Date	M	DT 8/8
			Date expressed as CCYYMMDD		
			Retailer's original purchase order date.		

Segment: *REF* Reference Identification**Position:**050**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:****Data Element Summary**

Ref.	Data	Attributes
Des.	ElementName	
Must Use	REF01 128 Reference Identification Qualifier	M ID 2/3
	Code qualifying the Reference Identification	

DP Department Number

This code may be used in the header area or the detail area, but not both.

IA Internal Vendor Number

Identification number assigned to the vendor, by the retailer, for use within the retailer's system.

Must Use REF02 127 **Reference Identification** X AN 1/30

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 "1A".

Segment: *PER* Administrative Communications Contact

Position: 060

Loop:

Level: Heading

Usage: Optional

Max Use: 3

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

Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.

2 If either PER05 or PER06 is present, then the other is required.

3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

Data Element Summary

Ref.	Data		Attributes
Des.	ElementName		
Must Use PER01	366	Contact Function Code	M ID 2/2
		Code identifying the major duty or responsibility of the person or group named	
		BD Buyer Name or Department	
PER02	93	Name	O AN 1/60
		Free-form name	
		The name (PER02) will contain the buyer's name or the department name when the contact function code (PER01) is "BD".	

Segment:*CSH* Sales Requirements**Position:**110**Loop:****Level:**Heading**Usage:**Optional**Max Use:**5**Purpose:**To specify general conditions or requirements of the sale**Syntax Notes:**1If CSH02 is present, then CSH03 is required.

2If either CSH06 or CSH07 is present, then the other is required.

3If either CSH09 or CSH10 is present, then the other is required.

Semantic Notes:1CSH03 is the maximum monetary amount value which the order must not exceed.

2CSH04 is the account number to which the purchase amount is charged.

3CSH05 is the date specified by the sender to be shown on the invoice.

4CSH06 identifies the source of the code value in CSH07.

Comments:**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>ElementName</u>	
Must Use	CSH01 563 Sales Requirement Code	O ID 1/2
	Code to identify a specific requirement or agreement of sale	
	N No Back Order	

Segment:*SAC* Service, Promotion, Allowance, or Charge Information**Position:**120**Loop:**SAC Optional**Level:**Heading**Usage:**Optional**Max Use:**1**Purpose:**To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge**Syntax Notes:**1At least one of SAC02 or SAC03 is required.

2If either SAC03 or SAC04 is present, then the other is required.

3If either SAC06 or SAC07 is present, then the other is required.

4If either SAC09 or SAC10 is present, then the other is required.

5If SAC11 is present, then SAC10 is required.

6If SAC13 is present, then at least one of SAC02 or SAC04 is required.

7If SAC14 is present, then SAC13 is required.

8If SAC16 is present, then SAC15 is required.

Semantic Notes:1If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.

2SAC05 is the total amount for the service, promotion, allowance, or charge.

If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.

3SAC08 is the allowance or charge rate per unit.

4SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.

SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.

5SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.

6SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.

7SAC16 is used to identify the language being used in SAC15.

Comments:1SAC04 may be used to uniquely identify the service, promotion, allowance, or charge.

In addition, it may be used in conjunction to further the code in SAC02.

2In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes: There is one segment for each Allowance, Charge, Service, or Promotion being specified. If this segment appears in the header area of the transaction set, the data applies to the entire transaction set. If this segment appears in the detail area of the transaction set, the data applies only to that line item. The data specified in the header area is exclusive of the data specified in the detail area; it is not the sum of the data in the detail area, i.e., allowances or charges.

SAC03 contains special service requirement codes and special processing codes. This code list is maintained by the VICS EDI SMC and is located in Section III of this guideline.

Data Element Summary

Ref.	Data	Attributes
Des.	ElementName	
Must Use	SAC01 248 Allowance or Charge Indicator	M ID 1/1
	Code which indicates an allowance or charge for the service specified	
	A Allowance	
	C Charge	
	N No Allowance or Charge	
SAC02	1300 Service, Promotion, Allowance, or Charge Code	X ID 4/4
	Code identifying the service, promotion, allowance, or charge	

		See section III for code list.	
		A260 Advertising Allowance	
		C300 Discount - Special	
		D240 Freight	
		F050 Other (See related description)	
SAC03	559	Agency Qualifier Code	X ID 2/2
		Code identifying the agency assigning the code values	
		VI Voluntary Inter-Industry Commerce Standard (VICS) EDI	
SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X AN 1/10
		Agency maintained code identifying the service, promotion, allowance, or charge	
		See section III for code list.	
		OHPR	
		The service code (SAC04) of "OHPR" indicates a BARS special event purchase order.	
		OHRO	
		The service code (SAC04) of "OHRO" indicates a regular BARS purchase order.	
SAC05	610	Amount	O N2 1/15
		Monetary amount	
		When SAC01 contains code A or code C, then this data element is required. This will resolve any differences between the sender's and receiver's system calculations of amounts, i.e., rounding errors when allowances or charges are expressed in percentages or rates.	
SAC06	378	Allowance/Charge Percent Qualifier	X ID 1/1
		Code indicating on what basis allowance or charge percent is calculated	
		All allowances are off the gross price including cash discount.	
		3 Discount/Gross	
SAC07	332	Percent	X R 1/6
		Percent expressed as a percent	
		The percent is sent with a decimal point only when needed, e.g., 10.5% is sent as "10.5", and 2% is sent as "2".	
SAC12	331	Allowance or Charge Method of Handling Code	O ID 2/2
		Code indicating method of handling for an allowance or charge	
		02 Off Invoice	
		The allowance or charge amount will be reflected in the total transaction amount, e.g., Total Invoice Amount = Merchandise Price + Charges - Allowances.	
		05 Charge to be Paid by Vendor	
		The vendor is responsible for the allowance or charge amount. The exact method of adjudication has been agreed to by the trading partners. The amount will not be reflected in the total invoice amount.	
SAC15	352	Description	X AN 1/80
		A free-form description to clarify the related data elements and their content	

Segment: *ITD* Terms of Sale/Deferred Terms of Sale**Position:**130**Loop:****Level:**Heading**Usage:**Optional**Max Use:**>1**Purpose:**To specify terms of sale**Syntax Notes:**1If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.

2If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.

3If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantic Notes:1ITD15 is the percentage applied to a base amount used to determine a late payment charge.**Comments:**1If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.**Notes:** This segment may be used in the header area or the detail area, but not both.

See section V (ITD Terms Specification and Formulas) for usage examples.

In the transitional period for the retail industry, from paper to full automated EDI transactions, there may be a perceived need to send text data with the terms. Clearly the goal is to have the entire retail industry participating in EDI. Therefore, if text data is needed to be sent for terms, ITD12 will contain the free form text. If additional text is needed, additional ITD segments will be used.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>ElementName</u>	
ITD01 336	Terms Type Code Code identifying type of payment terms 01 Basic <div style="background-color: #e0e0e0; padding: 2px;">This code will be deleted after Version 004010.</div> 02 End of Month (EOM)	O ID 2/2
ITD02 333	Terms Basis Date Code Code identifying the beginning of the terms period 3 Invoice Date 4 Specified Date	O ID 1/2
ITD03 338	Terms Discount Percent Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date <div style="background-color: #e0e0e0; padding: 2px;">The percent is sent with a decimal point only when needed, e.g., 10.5% is sent as "10.5", and 2% is sent as "2".</div>	O R 1/6
ITD05 351	Terms Discount Days Due Number of days in the terms discount period by which payment is due if terms discount is earned	X N0 1/3

The end of the term period is derived by adding this value to the beginning of the term period, as qualified by ITD02.

ITD07 386 Terms Net Days **O N0 1/3**

Number of days until total invoice amount is due (discount not applicable)

ITD09 388 Terms Deferred Due Date **O DT 8/8**

Date deferred payment or percent of invoice payable is due expressed in format CCYYMMDD

ITD11 342 Percent of Invoice Payable **X R 1/5**

Amount of invoice payable expressed in percent

The percent is sent with a decimal point only when needed, e.g., 10.5% is sent as "10.5", and 2% is sent as "2".

ITD12 352 Description **O AN 1/80**

A free-form description to clarify the related data elements and their content

Segment:*DTM* Date/Time Reference

Position:150

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

Ref.	Data			Attributes
Des.	ElementName			
Must UseDTM01	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 as not been shipped by this date, the order is considered canceled.		
		010 Requested Ship		
Must UseDTM02	373	Date		X DT 8/8
		Date expressed as CCYYMMDD		

Segment:TD5 Carrier Details (Routing Sequence/Transit Time)**Position:**240**Loop:****Level:**Heading**Usage:**Optional**Max Use:**12**Purpose:**To specify the carrier and sequence of routing and provide transit time information**Syntax Notes:**1At least one of TD502 TD504 TD505 TD506 or TD512 is required.

2If TD502 is present, then TD503 is required.

3If TD507 is present, then TD508 is required.

4If TD510 is present, then TD511 is required.

5If TD513 is present, then TD512 is required.

6If TD514 is present, then TD513 is required.

7If TD515 is present, then TD512 is required.

Semantic Notes:1TD515 is the country where the service is to be performed.**Comments:**1When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.**Notes:** This segment is used to specify every carrier in the routing sequence or a specific routing sequence that has been previously identified (usually from a routing guide). The segment can also be used to indicate estimated transit time in days. Only use TD501 if needed for clarity; this is not a requirement in most retail applications. When referring to a pre-established routing guide, use code 91 or 92 in TD502, and identify the routing sequence, from the routing guide, in TD503. To identify a specific private parcel service, TD502 will contain code 2, and TD503 will contain the corresponding SCAC. TD510 and TD511 are used to specify transit time. The TD5 segment will only be transmitted when the routing of the entire purchase order is different from the "Standard Routing".**Data Element Summary**

Ref.	Data	Attributes
Des.	ElementName	
TD502	66 Identification Code Qualifier	X ID 1/2
	Code designating the system/method of code structure used for Identification Code (67)	
	See External Code Source A17 in Section III for reference document.	
	2 Standard Carrier Alpha Code (SCAC)	
TD503	67 Identification Code	X AN 2/80
	Code identifying a party or other code	
	The identification code (TD503) will contain the Standard Carrier Alpha Code (SCAC).	

Segment: *PO1* Baseline Item Data**Position:**010**Loop:**PO1 Mandatory**Level:**Detail**Usage:**Mandatory**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: The multi-SKU case pack is used by retailers to order cases packed with specific items, each with a specific quantity. This is similar to the dynamic assortment, however, the unit of measurement code in PO103 is different for each use. For dynamic assortments, PO103 will contain code "AS". This identifies the item listed in the Product/Service IDs as an assortment and the contents of the assortment are listed in subsequent SLN segments. For assortments, at least one occurrence of the Product/Service ID Qualifier and the Product/Service ID are required to identify the assortment. This may be a U.P.C., a vendor assigned number, or a retailer assigned number. There is no implication of packaging for assortments; this is part of the trading partners' business practices. Assortments are primarily used as an ordering tool. For the multi-SKU case pack, PO103 will contain code "CA", and there is no requirement to send a Product/Service ID in the PO1 segment. The use of code "CA" in PO103, and the presence of the SLN segments, informs the receiver to pack the cases with SKUs and quantities in the SLN segments. The quantity in PO102 is the number of cases being ordered. Each SLN segment, that follows the PO1 segment, lists the Product ID, e.g., U.P.C., and the quantity of the SKU that is to be in the case. The total units in each case is the sum of the quantities in the SLN segment.

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>Des.</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 free goods, use a single zero (0) in PO104 and code NC in PO105.	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. NC No Charge QT Quoted WD Wholesale Price per Dozen WE Wholesale Price per Each	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) EN European Article Number (EAN) (2-5-5-1) UP U.P.C. Consumer Package Code (1-5-5-1) VA Vendor's Style Number The Product/Service ID qualifier (PO106) of "VA" is used only for private label vendors.	X ID 2/2
		PO107	234 Product/Service ID 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".	X AN 1/48
		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)

VA Vendor's Style Number

VE Vendor Color

The product/service ID qualifier (PO108) of "VE" is used only for private label vendors.

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)

SM National Retail Merchants Association Size Code

The product/service ID qualifier (PO110) of "SM" is used only for private label vendors.

PO111 234 Product/Service ID X AN 1/48

Identifying number for a product or service

Segment:**CTP Pricing Information**

Position:040

Loop:CTP Optional (Must Use)

Level:Detail

Usage:Optional (Must Use)

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

Des. ElementName

Attributes

CTP01 687 Class of Trade Code O ID 2/2

Code indicating class of trade

RS Resale

Must UseCTP02 236 Price Identifier Code X ID 3/3

Code identifying pricing specification

RES Resale

Retail Price

Must UseCTP03 212 Unit Price X R 1/17

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".

Segment:**SDQ** Destination Quantity

Position:190

Loop:PO1 Mandatory

Level:Detail

Usage:Optional

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. The sum of all quantities in the SDQ segment(s), for a line item, must equal the quantity ordered in PO102.

IMPORTANT:

The SDQ segment will not be transmitted for a bulk Purchase Order when the BEG02 element is "BK".

Data Element Summary

Ref.	Data	Attributes
Des.	ElementName	
Must UseSDQ01	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. Refer to 004010VICS Data Element Dictionary for acceptable code values.	M ID 2/2
Must UseSDQ02	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 UseSDQ03	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 UseSDQ04	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	X AN 2/80

		Code identifying a party or other code		
SDQ16	380	Quantity	X	R 1/15
		Numeric value of quantity		
SDQ17	67	Identification Code	X	AN 2/80
		Code identifying a party or other code		
SDQ18	380	Quantity	X	R 1/15
		Numeric value of quantity		
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:**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:**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****Des. ElementName****Attributes****Must UseCTT01 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:**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:**1SE is the last segment of each transaction set.**Data Element Summary****Ref. Data****Des. ElementName****Attributes**

Must Use	SE01	96	Number of Included Segments	M	N0 1/10
			Total number of segments included in a transaction set including ST and SE segments		
Must Use	SE02	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		
			This must be the same number as in the ST segment (ST02) for the transaction set.		

Rec = Recommended

January 31, 2003

Belk 850 Examples

VICS 4010

Standard 850 Example:

ISA*00* *00* *08*6123830000 *ql*receiver id *020527*0055*U*00401*000000001*0*P*>~
GS*PO*6123830000*receiver id*20020527*0055*1*X*004010VICS~
ST*850*0001~
BEG*00*SA*123456789**20020526~
REF*DP*0320~
REF*IA*1234567~
PER*BD*BELK BUYER~
CSH*N~
ITD*02*3*8**10~
DTM*010*20021115~
DTM*001*20021130~
PO1*1*5*EA*8.2*WE*UP*123456789123*VA*123~
CTP*RS*RTL*16~
SDQ*EA*92*0017*5~
CTT*1~
SE*14*0001~
GE*1*1~
IEA*1*000000001~

Belk 850 Bulk Examples

Bulk (Blanket) Example:

ISA*00* *00* *08*6123830000 *ql*receiver id *020527*0055*U*00401*000000001*0*P*>~
GS*PO*6123830000*receiver id*20020527*0055*1*X*004010VICS~
ST*850*0001~
BEG*00***BK***987654321**20020526~
REF*DP*0320~
REF*IA*1234567~
PER*BD*BELK BUYER~
CSH*N~
ITD*02*3*8**10~
DTM*010*20021115~
DTM*001*20021130~
PO1*1*2750*EA*8.2*WE*UP*123456789123*VA*123~
CTP*RS*RTL*16~
CTT*1~
SE*13*0001~
GE*1*1~
IEA*1*000000001~

Release Example:

ISA*00* *00* *08*6123830000 *ql*receiver id *020527*0055*U*00401*000000002*0*P*>~
GS*PO*6123830000*receiver id*20020527*0055*2*X*004010VICS~
ST*850*0001~
BEG*00***RL***987654321**20020526~
REF*DP*0320~
REF*IA*1234567~
PER*BD*BELK BUYER~
CSH*N~
ITD*02*3*8**10~
DTM*010*20021115~
DTM*001*20021130~
PO1*1*2750*EA*8.2*WE*UP*123456789123*VA*123~
CTP*RS*RTL*16~
SDQ*EA*92*0001*500*0006*10000007*250*0010*500*0011*500~**
CTT*1~
SE*14*0001~
GE*1*2~
IEA*1*000000002~