

Value City Department Stores

X12/V4010/850: 850 Cross-Dock Purchase Order

Version: 4.0 Final

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Notes:	Value City sends EDI-850 for CROSS-DOCK purchase orders only.

Table of Contents

850 Purchase Order	1
ST Transaction Set Header	3
BEG Beginning Segment for Purchase Order	4
CUR Currency	5
REF Reference Identification	7
PER Administrative Communications Contact	8
FOB F.O.B. Related Instructions	9
CSH Sales Requirements	10
ITD Terms of Sale/Deferred Terms of Sale	11
DTM Date/Time Reference	12
TD5 Carrier Details (Routing Sequence/Transit Time)	13
N1 Loop N1	14
N1 Name	15
N2 Additional Name Information	17
N3 Address Information	18
N4 Geographic Location	19
PO1 Loop PO1	20
PO1 Baseline Item Data	21
CTP Loop CTP	23
CTP Pricing Information	24
PID Loop PID	25
PID Product/Item Description	26
PO4 Item Physical Details	27
SDQ Destination Quantity	28
CTT Loop CTT	31
CTT Transaction Totals	32
SE Transaction Set Trailer	33

850 Purchase Order

Functional Group=PO

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</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	BEG	Beginning Segment for Purchase Order	M	1			Must use
040	CUR	Currency	O	1			Used
050	REF	Reference Identification	O	>1			Used
060	PER	Administrative Communications Contact	O	3			Used
080	FOB	F.O.B. Related Instructions	O	>1			Used
110	CSH	Sales Requirements	O	5			Used
130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1			Used
150	DTM	Date/Time Reference	M	10			Must use
240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Used
LOOP ID - N1					200		
310	N1	Name	O	1			Used
320	N2	Additional Name Information	O	2			Used
330	N3	Address Information	O	2			Used
340	N4	Geographic Location	O	>1			Used

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		N2/010	Must use
LOOP ID - CTP					>1		
040	CTP	Pricing Information	O	1			Used
LOOP ID - PID					1000		
050	PID	Product/Item Description	O	1			Used
090	PO4	Item Physical Details	O	>1			Used
190	SDQ	Destination Quantity	O	500			Used

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	

<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	CTT	Transaction Totals	O	1		N3/010	Used
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						
Code Name						
850 Purchase Order						
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).

BEG Beginning Segment for Purchase Order

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

User Option (Usage): Must use

To indicate the beginning of the Purchase Order 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>
BEG01	353	Transaction Set Purpose Code	M	ID	2/2	Must use
		Description: Code identifying purpose of transaction set				
		Code Name				
BEG02	92	Purchase Order Type Code	M	ID	2/2	Must use
		Description: Code specifying the type of Purchase Order				
		Code Name				
		SA Stand-alone Order				
BEG03	324	Purchase Order Number	M	AN	1/22	Must use
		Description: Identifying number for Purchase Order assigned by the orderer/purchaser				
		User Note 1: Value City original purchase order number.				
BEG05	373	Date	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
		User Note 1: Value City original purchase order date.				

Semantics:

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

Example:

*BEG*00*SA*122391**20060102*

CUR Currency

Pos: 040	Max: 1
Heading - Optional	
Loop: N/A	Elements: 4

User Option (Usage): Used

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 Name				
		BY Buying Party (Purchaser)				
CUR02	100	Currency Code	M	ID	3/3	Must use
		Description: Code (Standard ISO) for country in whose currency the charges are specified				
CUR04	98	Entity Identifier Code	O	ID	2/3	Used
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		Code Name				
		SE Selling Party				
CUR05	100	Currency Code	O	ID	3/3	Used
		Description: Code (Standard ISO) for country in whose currency the charges are specified				

Syntax Rules:

1. C0807 - If CUR08 is present, then CUR07 is required.
2. C0907 - If CUR09 is present, then CUR07 is required.
3. L101112 - If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4. C1110 - If CUR11 is present, then CUR10 is required.
5. C1210 - If CUR12 is present, then CUR10 is required.
6. L131415 - If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7. C1413 - If CUR14 is present, then CUR13 is required.
8. C1513 - If CUR15 is present, then CUR13 is required.
9. L161718 - If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10. C1716 - If CUR17 is present, then CUR16 is required.
11. C1816 - If CUR18 is present, then CUR16 is required.
12. L192021 - If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13. C2019 - If CUR20 is present, then CUR19 is required.
14. C2119 - If CUR21 is present, then CUR19 is required.

Comments:

1. See Figures Appendix for examples detailing the use of the CUR segment.

Example:

*CUR*BY*USD**SE*USD*

REF Reference Identification

Pos: 050	Max: >1
Heading - Optional	
Loop: N/A	Elements: 3

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

Code Name

DP Department Number

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

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

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

Example:

*REF*DP*2*Ladies Apparel*

PER Administrative Communications Contact

Pos: 060	Max: 3
Heading - Optional	
Loop: N/A	Elements: 2

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						
Code Name						
BD Buyer Name or Department						
PER02	93	Name	O	AN	1/60	Used
Description: Free-form name						

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.

Example:

*PER*BD*JOE SMITH*

FOB F.O.B. Related Instructions

Pos: 080	Max: >1
Heading - Optional	
Loop: N/A	Elements: 3

User Option (Usage): Used

To specify transportation instructions relating to shipment

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>
FOB01	146	Shipment Method of Payment	M	ID	2/2	Must use
		Description: Code identifying payment terms for transportation charges				
		Code Name				
		MX Mixed				
FOB02	309	Location Qualifier	X	ID	1/2	Used
		Description: Code identifying type of location				
		Code Name				
		DE Destination (Shipping)				
		OR Origin (Shipping Point)				
FOB03	352	Description	O	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				
		User Note 1: <i>Free-form name of transportation responsibility location</i>				

Syntax Rules:

1. C0302 - If FOB03 is present, then FOB02 is required.
2. C0405 - If FOB04 is present, then FOB05 is required.
3. C0706 - If FOB07 is present, then FOB06 is required.
4. C0809 - If FOB08 is present, then FOB09 is required.

Semantics:

1. FOB01 indicates which party will pay the carrier.
2. FOB02 is the code specifying transportation responsibility location.
3. FOB06 is the code specifying the title passage location.
4. FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

Example:

*FOB*MX*OR*SHIPPING POINT*

CSH Sales Requirements

Pos: 110	Max: 5
Heading - Optional	
Loop: N/A	Elements: 1

User Option (Usage): Used

To specify general conditions or requirements of the sale

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>
CSH01	563	Sales Requirement Code	O	ID	1/2	Used

Description: Code to identify a specific requirement or agreement of sale

Code Name

N	No Back Order
Y	Back Order if Out of Stock

Syntax Rules:

1. C0203 - If CSH02 is present, then CSH03 is required.
2. P0607 - If either CSH06 or CSH07 is present, then the other is required.
3. P0910 - If either CSH09 or CSH10 is present, then the other is required.

Semantics:

1. CSH03 is the maximum monetary amount value which the order must not exceed.
2. CSH04 is the account number to which the purchase amount is charged.
3. CSH05 is the date specified by the sender to be shown on the invoice.
4. CSH06 identifies the source of the code value in CSH07.

Example:

CSH*N

ITD Terms of Sale/Deferred Terms of Sale

Pos: 130	Max: >1
Heading - Optional	
Loop: N/A	Elements: 5

User Option (Usage): Used

To specify terms of sale

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD02	333	Terms Basis Date Code	O	ID	1/2	Used

Description: Code identifying the beginning of the terms period

Code Name

2 Delivery Date

ITD03	338	Terms Discount Percent	O	R	1/6	Used
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Description: Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date

User Note 1: *Decimal point only when needed; 10/5% = '10.5', and 2% = '2'.*

ITD04	370	Terms Discount Due Date	X	DT	8/8	Used
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Description: Date payment is due if discount is to be earned expressed in format CCYYMMDD

ITD05	351	Terms Discount Days Due	X	N0	1/3	Used
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Description: Number of days in the terms discount period by which payment is due if terms discount is earned

User Note 1: *Term period is derived by adding this value to the beginning of the term period (ITD02).*

ITD12	352	Description	O	AN	1/80	Used
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Description: A free-form description to clarify the related data elements and their content

Syntax Rules:

1. L03040513 - If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.
2. L08040513 - If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.
3. L091011 - If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantics:

1. ITD15 is the percentage applied to a base amount used to determine a late payment charge.

Comments:

1. If 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.

Example:

ITD**2*****NET 60

DTM Date/Time Reference

Pos: 150	Max: 10
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To specify pertinent dates and times

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>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use
Description: Code specifying type of date or time, or both date and time						
Code Name						
002 Delivery Requested						
037 Ship Not Before						
038 Ship No Later						
DTM02	373	Date	X	DT	8/8	Used
Description: Date expressed as CCYYMMDD						

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

Example:

```
DTM*001*20060714
DTM*002*20060714
DTM*037*20060707
DTM*038*20060714
```

Note:

This segment is used to specify order processing dates.

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 240	Max: 12
Heading - Optional	
Loop: N/A	Elements: 1

User Option (Usage): Used

To specify the carrier and sequence of routing and provide transit time 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>
TD505	387	Routing	X	AN	1/35	Used

Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

Syntax Rules:

1. R0204050612 - At least one of TD502, TD504, TD505, TD506 or TD512 is required.
2. C0203 - If TD502 is present, then TD503 is required.
3. C0708 - If TD507 is present, then TD508 is required.
4. C1011 - If TD510 is present, then TD511 is required.
5. C1312 - If TD513 is present, then TD512 is required.
6. C1413 - If TD514 is present, then TD513 is required.
7. C1512 - If TD515 is present, then TD512 is required.

Semantics:

1. TD515 is the country where the service is to be performed.

Comments:

1. When 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.

Example:

*TD5*****ROUTING*

Loop N1

Pos: 310	Repeat: 200
Optional	
Loop: N1	Elements: N/A

User Option (Usage): Used

To identify a party by type of organization, name, and code

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>
310	N1	Name	O	1		Used
320	N2	Additional Name Information	O	2		Used
330	N3	Address Information	O	2		Used
340	N4	Geographic Location	O	>1		Used

N1 Name

Pos: 310	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

To identify a party by type of organization, name, and code

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>
N101	98	Entity Identifier Code	M	ID	2/3	Must use

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

Code Name

BT Bill-to-Party
ST Ship To

N102	93	Name	X	AN	1/60	Used
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Description: Free-form name

N103	66	Identification Code Qualifier	X	ID	1/2	Used
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Description: Code designating the system/method of code structure used for Identification Code (67)

Code Name

92 Assigned by Buyer or Buyer's Agent

N104	67	Identification Code	X	AN	2/80	Used
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Description: Code identifying a party or other code

User Note 1: This is the location code as defined by the N103. The location code may be a formal number, e.g., DUNS, or it may be assigned by either the buyer or seller. The location refers to a store, warehouse, distribution center, plant, etc. Location codes are used to alleviate the need to send complete names and addresses.

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

Example:

N1*ST*PKMS Whse For FADC*92*855
N1*BT*Value City Home Office*92*99900

Note:

This segment is used to identify the retailer's location as it pertains to the order. Every purchase order must

contain the identity of the buying party (purchaser). This is accomplished in one of two ways depending on the type of purchase order.

N2 Additional Name Information

Pos: 320	Max: 2
Heading - Optional	
Loop: N1	Elements: 1

User Option (Usage): Used

To specify additional names or those longer than 35 characters in length

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>
N201	93	Name	M	AN	1/60	Must use

Description: Free-form name

Example:

*N2*PKMS Whse For FADC*
*N2*Value City Home Office*

N3 Address Information

Pos: 330	Max: 2
Heading - Optional	
Loop: N1	Elements: 1

User Option (Usage): Used

To specify the location of the named party

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>
N301	166	Address Information	M	AN	1/55	Must use

Description: Address information

Example:

*N3*3560 Value Way - PKMS*
*N3*3241 Westerville Road*

N4 Geographic Location

Pos: 340	Max: >1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

To specify the geographic place of the named party

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>
N401	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	State or Province Code	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

Example:

*N4*Columbus*OH*43224*USA*

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
040		Loop CTP	O		>1	Used
050		Loop PID	O		1000	Used
090	PO4	Item Physical Details	O	>1		Used
190	SDQ	Destination Quantity	O	500		Used

PO1 Baseline Item Data

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

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>
PO102	330	Quantity Ordered	X	R	1/15	Used
Description: Quantity ordered						
PO103	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
Code Name						
CA Case						
EA Each						
PO104	212	Unit Price	X	R	1/17	Used
Description: Price per unit of product, service, commodity, etc.						
User Note 1: Price sent with a decimal point only when needed, \$15.95 = '15.95' and \$29.00 = '29'.						
PO106	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)						
Code Name						
SK Stock Keeping Unit (SKU)						
PO107	234	Product/Service ID	X	AN	1/48	Must use
Description: Identifying number for a product or service						
User Note 1: THIS VALUE MUST BE RETURNED ON CORRESPONDING 856 ASN TRANSACTION.						
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)						
Code Name						
VC Vendor's (Seller's) Catalog Number						
PO109	234	Product/Service ID	X	AN	1/48	Used
Description: Identifying number for a product or service						
PO110	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)						

Code Name

EN European Article Number (EAN) (2-5-5-1)

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

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.
6. P1213 - If either PO112 or PO113 is present, then the other is required.
7. P1415 - If either PO114 or PO115 is present, then the other is required.
8. P1617 - If either PO116 or PO117 is present, then the other is required.
9. P1819 - If either PO118 or PO119 is present, then the other is required.
10. P2021 - If either PO120 or PO121 is present, then the other is required.
11. P2223 - If either PO122 or PO123 is present, then the other is required.
12. P2425 - If either PO124 or PO125 is present, then the other is required.

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.

Example:

```
PO1**126*EA*3.95**SK*257531*VC*27H737*UP*821942849645
```

```
PO1**453*CA***SK*257531*VC*27H737*UP*821942849645
```

Note:

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 the PO103 is different for each use.

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 the SKUs and the 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.

Loop CTP

Pos: 040	Repeat: >1
Optional	
Loop: CTP	Elements: N/A

User Option (Usage): Used

To specify pricing information

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>
040	CTP	Pricing Information	O	1		Used

Example:

```
CTP*RS*UCP*3.95  
CTP*RS*UCP*8
```

CTP Pricing Information

Pos: 040	Max: 1
Detail - Optional	
Loop: CTP	Elements: 3

User Option (Usage): Used

To specify pricing 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>
CTP01	687	Class of Trade Code	O	ID	2/2	Used
		Description: Code indicating class of trade				
		Code Name				
		RS Resale				
CTP02	236	Price Identifier Code	X	ID	3/3	Used
		Description: Code identifying pricing specification				
		Code Name				
		RES Resale				
		UCP Unit cost price				
CTP03	212	Unit Price	X	R	1/17	Used
		Description: Price per unit of product, service, commodity, etc.				
		User Note 1: Price sent with a decimal point only when needed, \$15.95 = '15.95' and \$29.00 = '29'.				

Syntax Rules:

1. P0405 - If either CTP04 or CTP05 is present, then the other is required.
2. C0607 - If CTP06 is present, then CTP07 is required.
3. C0902 - If CTP09 is present, then CTP02 is required.
4. C1002 - If CTP10 is present, then CTP02 is required.
5. C1103 - If CTP11 is present, then CTP03 is required.

Semantics:

1. CTP07 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.
2. CTP08 is the rebate amount.

Comments:

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

Loop PID

Pos: 050	Repeat: 1000
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: 2

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						
Code Name						
PID05	352	Description	X	AN	1/80	Used
Description: A free-form description to clarify the related data elements and their content						

Syntax Rules:

1. C0403 - If PID04 is present, then PID03 is required.
2. R0405 - At least one of PID04 or PID05 is required.
3. C0703 - If PID07 is present, then PID03 is required.
4. C0804 - If PID08 is present, then PID04 is required.
5. C0905 - If PID09 is present, then PID05 is required.

Semantics:

1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

Comments:

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

Example:

*PID*F****LSCNKBTTNF/BLACK/L/NODIM*

Note:

The PID segment is used to provide product/item descriptions in text and or coded formats.

PO4 Item Physical Details

Pos: 090	Max: >1
Detail - Optional	
Loop: PO1	Elements: 1

User Option (Usage): Used

To specify the physical qualities, packaging, weights, and dimensions relating to the 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>
PO401	356	Pack	O	N0	1/6	Used

Description: The number of inner containers, or number of eaches if there are no inner containers, per outer container

Syntax Rules:

1. P0203 - If either PO402 or PO403 is present, then the other is required.
2. C0506 - If PO405 is present, then PO406 is required.
3. P0607 - If either PO406 or PO407 is present, then the other is required.
4. P0809 - If either PO408 or PO409 is present, then the other is required.
5. C1013 - If PO410 is present, then PO413 is required.
6. C1113 - If PO411 is present, then PO413 is required.
7. C1213 - If PO412 is present, then PO413 is required.
8. L13101112 - If PO413 is present, then at least one of PO410, PO411 or PO412 is required.
9. C1716 - If PO417 is present, then PO416 is required.
10. C1804 - If PO418 is present, then PO404 is required.

Semantics:

1. PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
2. PO416 is the package identifier or the beginning package identifier in a range of identifiers.
3. PO417 is the ending package identifier in a range of identifiers.
4. PO418 is the number of packages in this layer.

Comments:

1. PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".
2. PO413 defines the unit of measure for PO410, PO411, and PO412.

Example:

PO4*1
PO4*12

SDQ Destination Quantity

Pos: 190	Max: 500
Detail - Optional	
Loop: PO1	Elements: 22

User Option (Usage): Used

To specify destination and quantity detail

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>
SDQ01	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				
		Code Name				
		CA		Case		
		EA		Each		
SDQ02	66	Identification Code Qualifier	O	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		Code Name				
		92		Assigned by Buyer or Buyer's Agent		
SDQ03	67	Identification Code	M	AN	2/80	Must use
		Description: Code identifying a party or other code				
SDQ04	380	Quantity	M	R	1/15	Must use
		Description: Numeric value of quantity				
SDQ05	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ06	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ07	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ08	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ09	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ10	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SDQ11	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SDQ12	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ13	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ14	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ15	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ16	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ17	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ18	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ19	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ20	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ21	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ22	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used

Syntax Rules:

1. P0506 - If either SDQ05 or SDQ06 is present, then the other is required.
2. P0708 - If either SDQ07 or SDQ08 is present, then the other is required.
3. P0910 - If either SDQ09 or SDQ10 is present, then the other is required.
4. P1112 - If either SDQ11 or SDQ12 is present, then the other is required.
5. P1314 - If either SDQ13 or SDQ14 is present, then the other is required.
6. P1516 - If either SDQ15 or SDQ16 is present, then the other is required.
7. P1718 - If either SDQ17 or SDQ18 is present, then the other is required.
8. P1920 - If either SDQ19 or SDQ20 is present, then the other is required.
9. P2122 - If either SDQ21 or SDQ22 is present, then the other is required.

Semantics:

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

Comments:

1. SDQ02 is used only if different than previously defined in the transaction set.
2. SDQ03 is the store number.
3. SDQ23 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.

Note:

*SDQ*EA*92*104*8*106*8*107*8*108*8*109*8*111*8*112*8*113*8*114*8*115*4*

Loop CTT

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

User Option (Usage): Used

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	O	1		Used

Example:

*CTT*12*

CTT Transaction Totals

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

User Option (Usage): Used

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

Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	Number of Included Segments	M	NO	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

User Note 1: This must be the same number as in the ST segment (ST02) for the transaction set.

Comments:

- SE is the last segment of each transaction set.

Example:

```

ISA*00*      *00*      *ZZ*137885864T  *12*9999999999  *070220*1532*U*00401*000000043*0*T*>
GS*PO*137885864T*9999999999*20070220*1532*43*X*004010
ST*850*430001
BEG*00*SA*123371**20070214
REF*DP*2*Ladies Apparel
PER*BD*BUYER JANE DOE
FOB*MX*OR*SHIPPING POINT
CSH*N
ITD*****NET 60
DTM*001*20070306
DTM*002*20070306
DTM*037*20070227
DTM*038*20070306
TD5****ROUTING
N1*ST*PKMS Whse For FADC*92*855
N2*PKMS Whse For FADC
N3*2560 Value Way - PKMS
N4*Columbus*OH*43224*USA
N1*BT*Value City Home Office*92*99900
N2*Value City Home Office
N3*3241 Westerville Road
N4*Columbus*OH*43224*USA
PO1**16*EA*100**SK*115146*VC*17F043*UP*821942372112
CTP*RS*UCP*100
PID*F****TESTITEM/BLACK/XL/NODIM
PO4*1
SDQ*EA*92*102*4*104*4*109*4*112*4
PO1**16*EA*100**SK*115147*VC*17F043*UP*821942372129
CTP*RS*UCP*100

```

PID*F****TESTITEM/BLACK/XXL/NODIM
PO4*1
SDQ*EA*92*102*4*104*4*109*4*112*4
PO1**16*EA*100**SK*115150*VC*17F043*UP*821942372136
CTP*RS*UCP*100
PID*F****TESTITEM/BLACK/3XL/NODIM
PO4*1
SDQ*EA*92*102*4*104*4*109*4*112*4
PO1**16*EA*100**SK*115153*VC*17F043*UP*821942372204
CTP*RS*UCP*100
PID*F****TESTITEM/OXFRD/XL/NODIM
PO4*1
SDQ*EA*92*102*4*104*4*109*4*112*4
PO1**16*EA*100**SK*115156*VC*17F043*UP*821942372211
CTP*RS*UCP*100
PID*F****TESTITEM/OXFRD/XXL/NODIM
PO4*1
SDQ*EA*92*102*4*104*4*109*4*112*4
PO1**16*EA*100**SK*115157*VC*17F043*UP*821942372228
CTP*RS*UCP*100
PID*F****TESTITEM/OXFRD/3XL/NODIM
PO4*1
SDQ*EA*92*102*4*104*4*109*4*112*4
PO1**16*EA*100**SK*115163*VC*17F043*UP*821942372556
CTP*RS*UCP*100
PID*F****TESTITEM/CHARC/XL/NODIM
PO4*1
SDQ*EA*92*102*4*104*4*109*4*112*4
PO1**16*EA*100**SK*115166*VC*17F043*UP*821942372563
CTP*RS*UCP*100
PID*F****TESTITEM/CHARC/XXL/NODIM
PO4*1
SDQ*EA*92*102*4*104*4*109*4*112*4
PO1**16*EA*100**SK*115181*VC*17F043*UP*821942372570
CTP*RS*UCP*100
PID*F****TESTITEM/CHARC/3XL/NODIM
PO4*1
SDQ*EA*92*102*4*104*4*109*4*112*4
CTT*9
SE*67*430001
GE*1*43
IEA*1*000000043