## Christopher $\mathcal{E}$ Banks

# Christopher \& Banks 850 Purchase Order 

## Version: 5010 X12

## Purchase Order

## Functional Group=PO

This X12 Transaction Set 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: |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Pos | Id | Segment Name | Reg | Max Use | Repeat | Notes | Usage |
| 0100 | ST | Transaction Set Header | M | 1 |  |  | Must use |
| 0200 | BEG | Beginning Segment for Purchase Order | M | 1 |  |  | Must use |
| 0500 | REF | Reference Information | 0 | 7 |  |  | Used |
| 0600 | PER | Administrative Communications Contact | 0 | 2 |  |  | Used |
| 0800 | FOB | F.O.B. Related Instructions | 0 | 1 |  |  | Used |
| 1300 | ITD | Terms of Sale/Deferred Terms of Sale | 0 | 1 |  |  | Used |
| 1500 | DTM | Date/Time Reference | 0 | 3 |  |  | Used |
| 2400 | TD5 | Carrier Details (Routing Sequence/Transit Time) | 0 | 1 |  |  | Used |
| 2600 | TD4 | Carrier Details (Special Handling, or Hazardous Materials, or Both) | 0 | 1 |  |  | Used |
| LOOP ID - N9 |  |  |  |  | 1000 |  |  |
| 2950 | N9 | Extended Reference Information | 0 | 1 |  |  | Used |
| 3000 | MTX | Text | 0 | 5 |  |  | Used |
| LOOP ID - N1 |  |  |  |  | $\underline{4}$ |  |  |
| 3100 | N1 | Party Identification | 0 | 1 |  |  | Used |
| 3300 | N3 | Party Location | 0 | 2 |  |  | Used |
| 3400 | N4 | Geographic Location | 0 | 1 |  |  | Used |

## Detail:

| Pos | Id | Segment Name | Req | Max Use | Repeat | Notes | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LOOP ID |  |  |  |  | 100000 | N2/0100L |  |
| 0100 | PO1 | Baseline Item Data | M | 1 |  | N2/0100 | Must use |
| LOOP ID |  |  |  |  | $\underline{2}$ | - |  |
| 0400 | CTP | Pricing Information | 0 | 1 |  |  | Used |
| LOOP ID |  |  |  |  | 4 | - |  |
| 0500 | PID | Product/Item Description | 0 | 1 |  |  | Used |
| 0900 | PO4 | Item Physical Details | 0 | 1 |  |  | Used |
| 2100 | DTM | Date/Time Reference | 0 | 3 |  |  | Used |
| LOOP ID - SLN |  |  |  |  | 1000 | - |  |
| 4700 | SLN | Subline Item Detail | 0 | 1 |  |  | Used |
| 4900 | PID | Product/Item Description | 0 | 3 |  |  | Used |

## Summary:

| Pos | Id | Segment Name | Req | Max Use | Repeat | Notes | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LOOP ID - CTT |  |  |  |  | 1 | N3/0100L |  |
| 0100 | CTT | Transaction Totals | 0 | 1 |  | N3/0100 | Used |
| 0200 | AMT | Monetary Amount Information | 0 | 1 |  | N3/0200 | Used |
| 0300 | SE | Transaction Set Trailer | M | 1 |  |  | Must use |

## Notes:

2/0100L PO102 is required.
2/0100 PO102 is required.
3/0100L 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.
$3 / 0100$ 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.
$3 / 0200$ If AMT is used in the summary area, then AMT01 will $=$ TT and AMT02 will indicate total transaction amount as calculated by the sender.

## Christopher and Banks Notes:

Revision History -

```
1/22/09 - Effective 2/23/09:
```

Changed Header level DTM to support 3 date grouping based on order type. Suppliers can expect to see either 002 - Delivery Date, 063 and 064 or 002 - Delivery Date, 037 and 038.

Added same DTM dates at the item level as now on the PO header DTM.
Remove SAC at both the Header and item level. All allowance and charges are netted into the item price.
12/01/2008:
Added use of SLN23 and SLN24 for Pre Pack Carton Code (packing instructions code)
07/31/2008:
Added CTT02
07/22/2008:
Added N1 Bill To
Added qualifiers 037, 063 and 064 to PO Header DTM
Added use of PO120 and PO121 for Carton Code (packing instructions code)

## ST <br> Transaction Set Header

Pos: 0100
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:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 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) 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 (STO3) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

## BEG <br> Beginning Segment for Purchase Order

| Pos: 0200 | Max: 1 |
| :---: | :---: |
| Heading | Mandatory |
| Loop: N/A | Elements: 5 |

User Option (Usage): Must use
To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BEG01 | 353 | Transaction Set Purpose Code | 0 | ID | 2/2 | Used |
|  |  | Description: Code identifying purpose of transaction set |  |  |  |  |
|  |  | Code Name |  |  |  |  |
|  |  | 00 Original |  |  |  |  |
|  |  | 01 Cancellation |  |  |  |  |
|  |  | 05 Replace |  |  |  |  |
| BEG02 | 92 | Purchase Order Type Code | 0 | ID | 2/2 | Used |
|  |  | Description: Code specifying the type of Purchase Order |  |  |  |  |
|  |  | Code $\quad$ Name |  |  |  |  |
|  |  | SA Stand-alone Order |  |  |  |  |
| BEG03 | 324 | Purchase Order Number | 0 | AN | 1/22 | Used |
|  |  | Description: Identifying number for Purchase Order assigned by the orderer/purchaser |  |  |  |  |
| BEG04 | 328 | Release Number | O | AN | 1/30 | Used |
|  |  | Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction |  |  |  |  |
| BEG05 | 373 | Date | 0 | DT | 8/8 | Used |
|  |  | Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year |  |  |  |  |

## Semantics:

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

## REF <br> Reference Information

Pos: 0500 Heading - Optional
Loop: N/A Elements: 3

User Option (Usage): Used

To specify identifying information

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| REF01 | 128 | Reference Identification Qualifier | O | ID | 2/3 | Used |
|  |  | Description: Code qualifying the Reference Identification |  |  |  |  |
|  |  | Code Name |  |  |  |  |
|  |  | 19 Division Identifier |  |  |  |  |
|  |  | DP Department Number |  |  |  |  |
|  |  | IA Internal Vendor Number |  |  |  |  |
|  |  | MR Merchandise Type Code |  |  |  |  |
|  |  | NB Letter of Credit Number |  |  |  |  |
|  |  | ZX County Code |  |  |  |  |
| REF02 | 127 | Reference Identification | 0 | AN | 1/50 | Used |
|  |  | Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier |  |  |  |  |
| REF03 | 352 | Description | 0 | AN | 1/80 | Used |
|  |  | 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.

## PER <br> Administrative Communications Contact

User Option (Usage): Used
To identify a person or office to whom administrative communications should be directed

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PER01 | 366 | Contact Function Code | O | ID | 2/2 | Used |
|  |  | Description: Code identifying the major duty or responsibility of the person or group named |  |  |  |  |
|  |  | Code $\quad$ Name |  |  |  |  |
|  |  | BD Buyer Nam |  |  |  |  |
|  |  | OC Order Con |  |  |  |  |
| PER02 | 93 | Name | 0 | 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.

## FOB F.O.B. Related Instructions

| Pos: 0800 | Max: 1 |
| :---: | :---: |
| Heading | Optional |
| Loop: $\mathrm{N} / \mathrm{A}$ | Elements: 3 |

User Option (Usage): Used
To specify transportation instructions relating to shipment

## Element Summary:



## Syntax Rules:

1. C0302 - If FOB03 is present, then FOB02 is required.
2. C 0405 - If FOB 04 is present, then FOB 05 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.

## ITD Terms of Sale/Deferred Terms of Sale

User Option (Usage): Used
To specify terms of sale

## Element Summary:



## 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.

## DTM <br> Date/Time Reference

Pos: 1500 Heading - Optional
Loop: N/A Elements: 2

User Option (Usage): Used
To specify pertinent dates and times

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DTM01 | 374 | Date/Time Qualifier | M | ID | $3 / 3$ | Must use |
|  |  | Description: Code s | or bot | date and | ime |  |
|  |  | Code Name |  |  |  |  |
|  |  | 002 Delive |  |  |  |  |
|  |  | 037 Ship N |  |  |  |  |
|  |  | Chris Earl |  |  |  |  |
|  |  | 038 Ship N |  |  |  |  |
|  |  | Chris <br> Late |  |  |  |  |
|  |  | 063 Do No |  |  |  |  |
|  |  | Chris <br> Arriv |  |  |  |  |
|  |  | 064 Do No |  |  |  |  |
|  |  | Chris <br> Arri |  |  |  |  |
| DTM02 | 373 | Date | M | DT | 8/8 | Must use |

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

## 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.

## TD5

## Carrier Details (Routing Sequence/Transit Time)

User Option (Usage): Used
To specify the carrier and sequence of routing and provide transit time information

## Element Summary:

| $\frac{\text { Ref }}{\text { TD505 }}$ | $\frac{\text { Id }}{387}$ | Element Name <br> Routing <br> Description: Free-form description of the routing <br> carrier's identity | $\frac{\text { Req }}{\mathrm{M}}$ | $\frac{\text { Type }}{\text { AN }}$ | $\frac{\text { Min/Max }}{1 / 35}$ |
| :--- | :--- | :--- | :--- | :--- | :--- |$\quad$| Musage use |
| :--- |

## 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.

## Carrier Details (Special Handling, or Hazardous Materials, or Both)

User Option (Usage): Used
To specify transportation special handling requirements, or hazardous materials information, or both

## Element Summary:

| $\frac{\text { Ref }}{\text { TD404 }}$ | $\frac{\text { ld }}{352}$ | $\frac{\text { Element Name }}{\text { Description }}$ | $\frac{\text { Req }}{M}$ | $\frac{\text { Type }}{\text { AN }}$ | $\frac{\text { Min/Max }}{1 / 80}$ |
| :--- | :--- | :--- | :--- | :--- | :--- |$\frac{\text { Usage }}{\text { Must use }}$

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

## Syntax Rules:

1. R010204 - At least one of TD401, TD402 or TD404 is required.
2. C0203 - If TD402 is present, then TD403 is required.

## Semantics:

1. TD405 identifies if a Material Safety Data Sheet (MSDS) exists for this product. A "Y" indicates an MSDS exists for this product; an "N" indicates an MSDS does not exist for this product.

## Loop N9

| Pos: 2950 | Repeat: 1000 <br> Optional <br> Olements: N/A |
| :--- | :---: |

User Option (Usage): Used
To transmit identifying information as specified by the Reference Identification Qualifier

## Loop Summary:

| Pos | $\frac{\text { ld }}{\text { P }}$ | $\underline{\text { Segment Name }}$ | $\frac{\text { Req }}{}$ | $\frac{\text { Max Use }}{}$ | Repeat | Usage |
| :--- | :--- | :--- | :---: | :---: | :---: | :---: |
| 2950 | N9 | Extended Reference Information | O | 1 |  | Used <br> 3000 |
| MTX | Text | O | 5 |  | Used |  |

## N9 <br> Extended Reference Information

```
Pos: 2950
Heading - Optional
Loop: N9 Elements: 2
Max: 1
```

User Option (Usage): Used
To transmit identifying information as specified by the Reference Identification Qualifier

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| N901 | 128 | Reference Identification Qualifier | O | ID | 2/3 | Used |
|  |  | Description: Code qualifying the Reference Identification |  |  |  |  |
|  |  | Code Name |  |  |  |  |  |
|  |  | L1 Letters or Notes |  |  |  |  |  |
| N903 | 369 | Free-form Description | M | AN | 1/45 | Must use |
|  |  | Description: Free-form descriptive t |  |  |  |  |

## Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605-If N906 is present, then N905 is required.

## Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

## MTX Text

| Pos: 3000 | Max: 5 |
| :---: | :---: |
| Heading | Optional |
| Loop: N9 | Elements: 1 |

User Option (Usage): Used

To specify textual data

## Element Summary:

| $\frac{\text { Ref }}{\text { MTX02 }}$ | $\frac{\text { Id }}{1551}$ | Element Name <br> Textual Data <br> Description: To transmit large volumes of message text | $\frac{\text { Req }}{\mathrm{O}}$ | $\frac{\text { Type }}{\text { AN }}$ | $\frac{\text { Min/Max }}{1 / 4096}$ |
| :--- | :--- | :--- | :--- | :--- | :--- |

## Syntax Rules:

1. C0102 - If MTX01 is present, then MTX02 is required.
2. C0302 - If MTX03 is present, then MTX02 is required.
3. C0504-If MTX05 is present, then MTX04 is required.

## Semantics:

1. MTX05 is the number of lines to advance before printing.

## Comments:

1. If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

## Loop N1

| Pos: 3100 | Repeat: 4 |
| :---: | :---: |
| Optional |  |
| Loop: N1 | Elements: N/A |

Loop: N1 Elements: N/A

User Option (Usage): Used
To identify a party by type of organization, name, and code

## Loop Summary:

| Pos | Id | Segment Name | Req | Max Use | Repeat | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3100 | N1 | Party Identification | 0 | 1 |  | Used |
| 3300 | N3 | Party Location | 0 | 2 |  | Used |
| 3400 | N4 | Geographic Location | 0 | 1 |  | Used |

User Option (Usage): Used
To identify a party by type of organization, name, and code

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| N101 | 98 | Entity Identifier Code | O | ID | 2/3 | Used |
|  |  | Description: Code identifying an organizational entity, a physical location, property or an individual |  |  |  |  |
|  |  | Code Name |  |  |  |  |
|  |  | BE Beneficiary |  |  |  |  |
|  |  | BT Bill-to-Party |  |  |  |  |
|  |  | MP Manufacturing Plant |  |  |  |  |
|  |  | ST Ship To |  |  |  |  |
|  |  | VN Vendor |  |  |  |  |
| N102 | 93 | Name | 0 | AN | 1/60 | Used |
|  |  | Description: Free-form name |  |  |  |  |
| N103 | 66 | Identification Code Qualifier | 0 | 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 |  |  |  |  |
| N104 | 67 | Identification Code | 0 | AN | 2/80 | Used |
|  |  | Description: Code identifying a party or other code |  |  |  |  |

## 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.

## N3 <br> Party Location

| Pos: 3300 | Max: 2 |
| :---: | :---: |
| Heading | Optional |
| Loop: N1 | Elements: 2 |

User Option (Usage): Used
To specify the location of the named party

## Element Summary:

| $\frac{\text { Ref }}{\text { N301 }}$ | $\frac{\text { Id }}{166}$ | Element Name <br> Address Information <br> Description: Address information | $\frac{\text { Req }}{\mathrm{M}}$ | $\frac{\text { Type }}{\text { AN }}$ | $\frac{\text { Min/Max }}{1 / 55}$ | Usage <br> Must use |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| N302 | 166 | Address Information <br> Description: Address information | O | AN | $1 / 55$ | Used |

## N4 Geographic Location

Pos: 3400
Heading - Optional
Loop: N1
Elements: 4

User Option (Usage): Used
To specify the geographic place of the named party

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| N401 | 19 | City Name | O | AN | 2/30 | Used |
|  |  | Description: Free-form text for city name |  |  |  |  |
| N402 | 156 | State or Province Code | 0 | ID | 2/2 | Used |
|  |  | Description: Code (Standard State/Province) as defined by appropriate government agency |  |  |  |  |
| N403 | 116 | Postal Code | 0 | ID | 3/15 | Used |
|  |  | Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States) |  |  |  |  |
| N404 | 26 | Country Code | 0 | ID | 2/3 | Used |
|  |  | Description: Code identifying the country |  |  |  |  |

## Syntax Rules:

1. E0207-Only one of N402 or N407 may be present.
2. C0605-If N406 is present, then N405 is required.
3. C0704-If N407 is present, then N404 is required.

## Comments:

1. N402 is required only if city name (N401) is in the U.S. or Canada.

## Loop PO1

| Pos: 0100 | 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:

| Pos | Id | Segment Name | Req | Max Use | Repeat | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0100 | PO1 | Baseline Item Data | M | 1 |  | Must use |
| 0400 |  | Loop CTP | 0 |  | 2 | Used |
| 0500 |  | Loop PID | 0 |  | 4 | Used |
| 0900 | PO4 | Item Physical Details | 0 | 1 |  | Used |
| 2100 | DTM | Date/Time Reference | 0 | 3 |  | Used |
| 4700 |  | Loop SLN | 0 |  | 1000 | Used |

## PO1 Baseline Item Data

Pos: 0100
Max: 1
Detail - Mandatory
Loop: PO1 Elements: 20

User Option (Usage): Must use

To specify basic and most frequently used line item data

## Element Summary:



## Code Name



## 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 PO 123 is present, then the other is required.
12. P2425 - If either PO124 or PO125 is present, then the other is required.

## Semantics:

1. PO102 is quantity ordered.

## 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.

## Loop CTP

Pos: 0400 Optional
Loop: CTP Elements: N/A

User Option (Usage): Used
To specify pricing information

## Loop Summary:

| Pos | $\frac{\text { Id }}{\text { Segment Name }}$ |
| :--- | :--- |
| CTP | $\frac{\text { Pricing Information }}{}$ |

$\frac{\text { Req }}{\mathrm{O}} \frac{\text { Max Use }}{1} \quad$ Repeat $\quad \frac{\text { Usage }}{\text { Used }}$

## CTP Pricing Information <br> Pos: 0400 <br> Detail - Optional <br> Loop: CTP Elements: 2

User Option (Usage): Used
To specify pricing information

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CTP02 | 236 | Price Identifier Code | O | ID | 3/3 | Used |
|  |  | Description: Code identifying pricing specification |  |  |  |  |
|  |  | Code Name |  |  |  |  |
|  |  | RES Resale |  |  |  |  |
|  |  | RTL Retail |  |  |  |  |
| CTP03 | 212 | Unit Price | 0 | R | 1/17 | Used |
|  |  | Description: Price per unit of product, service, commodity, etc. |  |  |  |  |

## 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: 0500 | Repeat: 4 |
| :---: | :---: |
| Optional |  |
| Loop: PID | Elements: N/A |

User Option (Usage): Used
To describe a product or process in coded or free-form format

## Loop Summary:

| Pos | $\frac{\text { Id }}{\text { PID }}$ | $\frac{\text { Segment Name }}{\text { Product/ltem Description }}$ | $\frac{\text { Req }}{\mathrm{O}}$ | $\frac{\text { Max Use }}{1}$ | Repeat |
| :--- | :--- | :--- | :--- | :--- | :--- |$\frac{\text { Usage }}{\text { Used }}$

## PID Product/tem Description

Pos: 0500
Detail - Optional
Loop: PID Elements: 3

User Option (Usage): Used
To describe a product or process in coded or free-form format

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PID01 | 349 | Item Description Type | M | ID | 1/1 | Must use |
|  |  | Description: Code indicating the format of a description |  |  |  |  |
|  |  | Code Name |  |  |  |  |
|  |  | $F \quad$ Free-form |  |  |  |  |
| PID02 | 750 | Product/Process Characteristic Code | 0 | ID | 2/3 | Used |
|  |  | Description: Code identifying the general class of a product or process characteristic |  |  |  |  |
|  |  | Code Name |  |  |  |  |
|  |  | 08 Product |  |  |  |  |
|  |  | $74 \quad$ Vendor size description |  |  |  |  |
|  |  | 75 Buyer's Color Description |  |  |  |  |
| PID05 | 352 | Description | M | AN | 1/80 | Must use |
|  |  | Description: A free-form description to c | elate | ata ele | nts and th |  |

## Syntax Rules:

1. R0405 - At least one of PID04 or PID05 is required.
2. C0804 - If PID08 is present, then PID04 is required.
3. C0905-If PID09 is present, then PID05 is required.

## Comments:

1. If PID01 equals " $F$ ", then PID05 is used.

## PO4 Item Physical Details

Pos: 0900
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:

| Ref | $\frac{\text { Id }}{\text { PO401 }}$ | $\frac{\text { Element Name }}{356}$ | Pack | $\frac{\text { Req }}{\mathrm{O}}$ | $\frac{\text { Type }}{\text { N0 }}$ |
| :--- | :--- | :--- | :--- | :--- | :--- |$\frac{\text { Min/Max }}{1 / 6} \quad \frac{\text { Usage }}{\text { Used }}$

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 PO 410 is present, then PO 413 is required.
6. C1113 - If PO 411 is present, then PO 413 is required.
7. C1213 - If PO 412 is present, then PO 413 is required.
8. L13101112 - If PO413 is present, then at least one of PO410, PO411 or PO412 is required.
9. C1716 - If PO 417 is present, then PO 416 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 unit of measure of the "Size" identified in the PO402. 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.

## DTM <br> Date/Time Reference

Pos: 2100
Detail - Optional
Loop: PO1 Elements: 2

User Option (Usage): Used
To specify pertinent dates and times

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DTM01 | 374 | Date/Time Qualifier | M | ID | $3 / 3$ | Must use |
|  |  | Description: Code s | or bot | date a | ime |  |
|  |  | Code Name |  |  |  |  |
|  |  | 002 Delive |  |  |  |  |
|  |  | 037 Ship N |  |  |  |  |
|  |  | Chris Earli |  |  |  |  |
|  |  | 038 Ship N |  |  |  |  |
|  |  | Chris <br> Late |  |  |  |  |
|  |  | 063 Do No |  |  |  |  |
|  |  | Chris <br> Arriv |  |  |  |  |
|  |  | 064 Do No |  |  |  |  |
|  |  | Chris <br> Arri |  |  |  |  |
| DTM02 | 373 | Date | X | DT | 8/8 | Used |

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

## 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.

## Loop SLN

| Pos: 4700 | Repeat: 1000 |
| :---: | :---: |
| Optional |  |
| Loop: SLN | Elements: N/A |

Loop: SLN Elements: N/A

User Option (Usage): Used
To specify product subline detail item data

## Loop Summary:

| Pos | Id | Segment Name | Req | Max Use | Repeat | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4700 | SLN | Subline Item Detail | 0 | 1 |  | Used |
| 4900 | PID | Product/Item Description | 0 | 3 |  | Used |

## SLN Subline Item Detail

Pos: 4700
Detail - Optional
Loop: SLN Elements: 21

User Option (Usage): Used
To specify product subline detail item data

## Element Summary:



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

1. If $\mathrm{C} 001-02$ is not used, its value is to be interpreted as 1 .
2. If $\mathrm{C} 001-03$ is not used, its value is to be interpreted as 1 .
3. If C001-05 is not used, its value is to be interpreted as 1 .
4. If C001-06 is not used, its value is to be interpreted as 1 .
5. If $\mathrm{C} 001-08$ is not used, its value is to be interpreted as 1 .
6. If C001-09 is not used, its value is to be interpreted as 1 .
7. If $\mathrm{C} 001-11$ is not used, its value is to be interpreted as 1 .
8. If $\mathrm{C} 001-12$ is not used, its value is to be interpreted as 1 .
9. If C001-14 is not used, its value is to be interpreted as 1.
10. If C001-15 is not used, its value is to be interpreted as 1 .

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 | $\frac{\text { Name }}{\text { EA }}$ |
| :--- | :--- |
| Each |  |


| SLN06 | 212 | Unit Price | O | $R$ | $1 / 17$ | Used |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | Description: Price per unit of product, service, commodity, etc. |  |  |  |  |
| SLN09 | 235 | Product/Service ID Qualifier | O | ID | $2 / 2$ | Used |

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)
$\frac{\text { Code }}{\text { SK }} \quad \frac{\text { Name }}{\text { Stock Keeping Unit (Long SKU) }}$

SLN10 23
Product/Service ID
Description: Identifying number for a product or service
SLN11 235 Product/Service ID Qualifier
O ID
2/2
Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

| Code | Name |
| :--- | :--- |
| UP |  |
| UCC -12 |  |

SLN12 23

SLN13 2
235

SLN14

SLN15 2
235

SLN16 234

SLN17 - 235
$\begin{array}{llllll}\text { SLN18 } & 234 & \begin{array}{l}\text { Product/Service ID } \\ \text { Description: Identifying number for a product or service }\end{array} & \text { AN } & 1 / 48 & \text { Used } \\ \text { SLN19 } & 235 & \begin{array}{l}\text { Product/Service ID Qualifier } \\ \text { Description: Code identifying the type/source of the descriptive number used in Product/Service ID }\end{array}\end{array}$ (234

Code Name
C3 Classification
Product/Service ID
Description: Identifying number for a product or
Product/Service ID Qualifier
Description: Code identifying the type/source of

| (234) |
| :--- |
| Code <br> VN$\quad \frac{\text { Name }}{\text { Vendor's (Seller's) Item Number }}$ |

Used
Description: Identifying number for a product or service
Product/Service ID Qualifier O ID 2/2 Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)
$\frac{\text { Code }}{C B} \quad \frac{\text { Name }}{\text { Buyer's Catalog Number (Short SKU) }}$
Product/Service ID O AN $1 / 48$ Used

Description: Identifying number for a product or service
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)
$\frac{\text { Code }}{P G} \quad \frac{\text { Name }}{\text { Packaging Specification Number }}$

| Product/Service ID | X | AN | $1 / 48$ | Used |
| :--- | :---: | :---: | :---: | :---: |
| Description: Identifying number for a product or service |  |  |  |  |
| 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)
$\frac{\text { Code }}{\text { IT }} \quad \frac{\text { Name }}{\text { Buyer's Style Number }}$

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

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code Name

| JP | Package Type Code |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Christopher and Banks Notes: |  |  |  |  |
|  | Pre Pack Carton Code - |  |  |  |  |
|  | This should source to the 856 (ASN) on the LIN15, when LIN14=JP. |  |  |  |  |
| Pro | ce ID | X | AN | 1/48 | Used |
| Description: Identifying number for a product or service |  |  |  |  |  |
| Christopher and Banks Notes: Pre Pack Carton Code - this is the "JP" code that needs to bback on the 856 (ASN) in the LIN15, when LIN14=JP |  |  |  |  |  |

## Syntax Rules:

1. P0405 - If either SLN04 or SLN05 is present, then the other is required.
2. C0706-If SLN07 is present, then SLN06 is required.
3. C0806-If SLN08 is present, then SLN06 is required.
4. P0910 - If either SLN09 or SLN10 is present, then the other is required.
5. P1112 - If either SLN11 or SLN12 is present, then the other is required.
6. P1314 - If either SLN13 or SLN14 is present, then the other is required.
7. P1516 - If either SLN15 or SLN16 is present, then the other is required.
8. P1718 - If either SLN17 or SLN18 is present, then the other is required.
9. P1920 - If either SLN19 or SLN20 is present, then the other is required.
10. P2122 - If either SLN21 or SLN22 is present, then the other is required.
11. P2324 - If either SLN23 or SLN24 is present, then the other is required.
12. P2526-If either SLN25 or SLN26 is present, then the other is required.
13. P2728 - If either SLN27 or SLN28 is present, then the other is required.

## Semantics:

1. SLN01 is the identifying number for the subline item.
2. SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
3. SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
4. SLN08 is a code indicating the relationship of the price or amount to the associated segment.

## Comments:

1. See the Data Element Dictionary for a complete list of IDs.
2. SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
3. SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

## PID Product/tem Description

Pos: 4900
Detail - Optional
Loop: SLN Elements: 3

User Option (Usage): Used
To describe a product or process in coded or free-form format

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PID01 | 349 | Item Description Type | M | ID | 1/1 | Must use |
|  |  | Description: Code indicating the format of a description |  |  |  |  |
|  |  | Code Name |  |  |  |  |
|  |  | $F \quad$ Free-form |  |  |  |  |
| PID02 | 750 | Product/Process Characteristic Code | 0 | ID | 2/3 | Used |
|  |  | Description: Code identifying the general class of a product or process characteristic |  |  |  |  |
|  |  | Code Name |  |  |  |  |
|  |  | 08 Product |  |  |  |  |
|  |  | 74 Vendor size description |  |  |  |  |
|  |  | 75 Buyer's Color Description |  |  |  |  |
| PID05 | 352 | Description | M | AN | 1/80 | Must use |

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.

## Comments:

1. If PID01 equals " $F$ ", then PID05 is used.

## Loop CTT

| Pos: 0100 | 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:

| $\underline{\text { Pos }}$ | $\frac{\mathbf{l d}}{\mathbf{d}}$ | $\underline{\text { Segment Name }}$ | $\frac{\text { Req }}{}$ | $\frac{\text { Max Use }}{}$ | Repeat | Usage |
| :--- | :--- | :--- | :---: | :---: | :---: | :---: |
| 0100 | CTT | Transaction Totals | O | 1 |  | Used |
| 0200 | AMT | Monetary Amount Information | O | 1 |  | Used |

## CTT Transaction Totals

Pos: 0100
Summary - Optional
Loop: CTT Elements: 2

User Option (Usage): Used
To transmit a hash total for a specific element in the transaction set

## Element Summary:

| $\frac{\text { Ref }}{\text { CTT01 }}$ | $\frac{\text { ld }}{354}$ | Element Name <br> Number of Line Items <br> Description: Total number of line items in the transaction set | $\frac{\text { Req }}{M}$ | $\frac{\text { Type }}{\text { N0 }}$ | $\frac{\text { Min/Max }}{1 / 6}$ | Usage <br> Must use |
| :--- | :--- | :--- | :---: | :---: | :---: | :---: |
| CTT02 | 347 | Hash Total | $O$ | $R$ | $1 / 10$ | Used |

Description: Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -. 0018 First occurrence of value being hashed. . 18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. 18E2 Fifth occurrence of value being hashed. -------- 1873 Hash Total Christopher and Banks Notes: The Hash total will be the accumulated sum of the SLN quantity items the PO102 Quantity (pre-pack/assortments) + PO102 quantity for bulk items

## 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.

## AMT Monetary Amount Information

User Option (Usage): Used
To indicate the total monetary amount

## Element Summary:

| Ref | $\frac{\text { Id }}{\text { AMT01 }}$ | 522 | Element Name <br> Amount Qualifier Code <br> Description: Code to qualify amount <br> Code$\quad \frac{\text { Name }}{\text { Total Transaction Amount }}$ | $\frac{\text { Type }}{\mathrm{ID}}$ | $\frac{\text { Min/Max }}{1 / 3}$ | Usage <br> Used |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| AMT02 | 782 | TT <br> Monetary Amount <br> Description: Monetary amount | O | R | $1 / 18$ | Used |

## SE <br> Transaction Set Trailer

Pos: 0300 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 | 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 num group assigned by the originator for | e un | withi | e transactio | functiona |

## Comments:

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