

# **860 Purchase Order Change Request - Buyer Initiated**

**X12/V5010/860 : 860 Purchase Order Change Request - Buyer Initiated**

|                 |  |
|-----------------|--|
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# 860 Purchase Order Change Request - Buyer Initiated

Functional Group=**PC**

**Purpose:** This X12 Transaction Set contains the format and establishes the data contents of the Purchase Order Change Request - Buyer Initiated Transaction Set (860) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide the information required for the customary and established business and industry practice relative to a purchase order change. This transaction can be used: (1) by a buyer to request a change to a previously submitted purchase order or (2) by a buyer to confirm acceptance of a purchase order change initiated by the seller or by mutual agreement of the two parties.

## 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> |
|---------------------|-----------|---|------------|----------------|---------------|--------------|--------------|
| 0100                | ST        | Transaction Set Header                      | M          | 1              |               |              | Must use     |
| 0200                | BCH       | Beginning Segment for Purchase Order Change | M          | 1              |               |              | Must use     |
| 0500                | REF       | Reference Information                       | M          | 4              |               |              | Must use     |
| 0600                | PER       | Administrative Communications Contact       | O          | 1              |               |              | Used         |
| 0800                | FOB       | F.O.B. Related Instructions                 | M          | 1              |               |              | Must use     |
| 1300                | ITD       | Terms of Sale/Deferred Terms of Sale        | M          | 1              |               |              | Must use     |
| 1500                | DTM       | Date/Time Reference                         | M          | 3              |               |              | Must use     |
| <b>LOOP ID - N9</b> |           |   |            |                | <b>10</b>     |              |              |
| 2850                | N9        | Extended Reference Information              | M          | 1              |               |              | Must use     |
| 2900                | MTX       | Text  | M          | 1              |               |              | Must use     |
| <b>LOOP ID - N1</b> |           |   |            |                | <b>4</b>      |              |              |
| 3000                | N1        | Party Identification                        | M          | 1              |               |              | Must use     |
| 3200                | N3        | Party Location                              | O          | 1              |               |              | Used         |
| 3300                | 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> |
|----------------------|-----------|--------------------------|------------|----------------|---------------|--------------|--------------|
| <b>LOOP ID - POC</b> |           |                          |            |                | <b>≥1</b>     |              |              |
| 0100                 | POC       | Line Item Change         | M          | 1              |               |              | Must use     |
| 0400                 | CTP       | Pricing Information      | O          | 1              |               |              | Used         |
| <b>LOOP ID - PID</b> |           |                          |            |                | <b>10</b>     |              |              |
| 0500                 | PID       | Product/Item Description | M          | 1              |               |              | Must use     |
| 0900                 | PO4       | Item Physical Details    | M          | 1              |               |              | Must use     |
| 1000                 | REF       | Reference Information    | O          | 1              |               |              | Used         |
| 1900                 | 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> |
|----------------------|-----------|---------------------|------------|----------------|---------------|-----------------|--------------|
| <b>LOOP ID - CTT</b> |           |                     |            |                | <b>1</b>      | <b>N3/0100L</b> |              |

| <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> |
|------------|-----------|-------------------------|------------|----------------|---------------|--------------|--------------|
| 0100       | CTT       | Transaction Totals      | O          | 1              |               | N3/0100      | Used         |
| 0300       | SE        | Transaction Set Trailer | M          | 1              |               |              | Must use     |

**Notes:**

- 3/0100L Number of line items (CTT01) is the accumulation of the number of POC segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (POC03) for each POC segment.
- 3/0100 Number of line items (CTT01) is the accumulation of the number of POC segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (POC03) for each POC segment.

**User Note 1:***Change History*

1/31/2019

- Updated N3 and N4 to Optional when N101 = FW (Freight Forwarder)
- Added N101 qualifier WH as Optional for Factory at the header level
- Removed line level N1 segment
- Updated header N101 qualifier 'CT' (Country of Origin) to Optional
- Added POC16/17(KL) as Optional for Hanging Status

2/4/2019

- Removed header DTM01 qualifier '002' (Delivery Requested) - Removed header TD1 segment
- Removed line PO405/06/07 (Weight)
- Removed line PO408/09 (Volume)

3/22/2019

- Updated N3 and N4 segments to Optional

9/5/2019

- Added DTM01 qualifiers 063 and 064

# ST Transaction Set Header

|                     |             |
|---------------------|-------------|
| Pos: 0100           | Max: 1      |
| Heading - Mandatory |             |
| Loop: N/A           | Elements: 2 |

**User Option (Usage):** Must use

**Purpose:** To indicate the start of a transaction set and to assign a control number

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>             | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---------------------------------|------------|-------------|----------------|--------------|
| ST01       | 143       | Transaction Set Identifier Code | M          | ID          | 3/3            | Must use     |

**Description:** Code uniquely identifying a Transaction Set

**CodeList Summary** (Total Codes: 318, Included: 1)

**Code Name**

860 Purchase Order Change Request - Buyer Initiated

|      |     |                                |   |    |     |          |
|------|-----|--------------------------------|---|----|-----|----------|
| 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 (ST03) 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.

# BCH Beginning Segment for Purchase Order Change

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

**User Option (Usage):** Must use

**Purpose:** To indicate the beginning of the Purchase Order Change 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> |
|------------|-----------|------------------------------|------------|-------------|----------------|--------------|
| BCH01      | 353       | Transaction Set Purpose Code | M          | ID          | 2/2            | Must use     |

**Description:** Code identifying purpose of transaction set

**CodeList Summary** (Total Codes: 66, Included: 2)

**Code Name**

01 Cancellation  
04 Change

|       |    |                          |   |    |     |          |
|-------|----|--------------------------|---|----|-----|----------|
| BCH02 | 92 | Purchase Order Type Code | M | ID | 2/2 | Must use |
|-------|----|--------------------------|---|----|-----|----------|

**Description:** Code specifying the type of Purchase Order

**CodeList Summary** (Total Codes: 76, Included: 2)

**Code Name**

KN Purchase Order

**User Note 1:**

*Cross Dock*

SA Stand-alone Order

|       |     |                       |   |    |      |          |
|-------|-----|-----------------------|---|----|------|----------|
| BCH03 | 324 | Purchase Order Number | M | AN | 1/22 | Must use |
|-------|-----|-----------------------|---|----|------|----------|

**Description:** Identifying number for Purchase Order assigned by the orderer/purchaser

|       |     |      |   |    |     |          |
|-------|-----|------|---|----|-----|----------|
| BCH06 | 373 | Date | M | DT | 8/8 | Must use |
|-------|-----|------|---|----|-----|----------|

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

|       |     |      |   |    |     |          |
|-------|-----|------|---|----|-----|----------|
| BCH11 | 373 | Date | M | DT | 8/8 | Must use |
|-------|-----|------|---|----|-----|----------|

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

## Semantics:

1. BCH06 is the date assigned by the purchaser to purchase order.
2. BCH09 is the seller's order number.
3. BCH10 is the date assigned by the sender to the acknowledgment.
4. BCH11 is the date of the purchase order change request.

# REF Reference Information

|                     |             |
|---------------------|-------------|
| Pos: 0500           | Max: 4      |
| Heading - Mandatory |             |
| Loop: N/A           | Elements: 3 |

**User Option (Usage):** Must use

**Purpose:** To specify identifying information

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>                | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|------------------------------------|------------|-------------|----------------|--------------|
| REF01      | 128       | Reference Identification Qualifier | M          | ID          | 2/3            | Must use     |

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1731, Included: 4)

**Code Name**

- 19 Division Identifier
- CB Combined Shipment
- DP Department Number
- IA Internal Vendor Number

**User Note 1:**

*Mandatory*

|       |     |                          |   |    |      |          |
|-------|-----|--------------------------|---|----|------|----------|
| REF02 | 127 | Reference Identification | M | AN | 1/50 | Must use |
|-------|-----|--------------------------|---|----|------|----------|

**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 |
|-------|-----|-------------|---|----|------|------|

**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 Administrative Communications Contact

|                    |             |
|--------------------|-------------|
| Pos: 0600          | Max: 1      |
| Heading - Optional |             |
| Loop: N/A          | Elements: 2 |

**User Option (Usage):** Used

**Purpose:** 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

**CodeList Summary** (Total Codes: 238, Included: 1)

**Code Name**

BD Buyer Name or Department

|       |    |      |   |    |      |          |
|-------|----|------|---|----|------|----------|
| PER02 | 93 | Name | M | AN | 1/60 | Must use |
|-------|----|------|---|----|------|----------|

**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 - Mandatory |             |
| Loop: N/A           | Elements: 5 |

**User Option (Usage):** Must use

**Purpose:** 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

**CodeList Summary** (Total Codes: 31, Included: 2)

**Code Name**

CC Collect  
PP Prepaid (by Seller)

|       |     |                    |   |    |     |          |
|-------|-----|--------------------|---|----|-----|----------|
| FOB02 | 309 | Location Qualifier | M | ID | 1/2 | Must use |
|-------|-----|--------------------|---|----|-----|----------|

**Description:** Code identifying type of location

**CodeList Summary** (Total Codes: 184, Included: 2)

**Code Name**

DE Destination (Shipping)  
OR Origin (Shipping Point)

|       |     |             |   |    |      |          |
|-------|-----|-------------|---|----|------|----------|
| FOB03 | 352 | Description | M | AN | 1/80 | Must use |
|-------|-----|-------------|---|----|------|----------|

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

|       |     |                                     |   |    |     |      |
|-------|-----|-------------------------------------|---|----|-----|------|
| FOB04 | 334 | Transportation Terms Qualifier Code | O | ID | 2/2 | Used |
|-------|-----|-------------------------------------|---|----|-----|------|

**Description:** Code identifying the source of the transportation terms

**CodeList Summary** (Total Codes: 3, Included: 1)

**Code Name**

01 Incoterms

|       |     |                           |   |    |     |      |
|-------|-----|---------------------------|---|----|-----|------|
| FOB05 | 335 | Transportation Terms Code | X | ID | 3/3 | Used |
|-------|-----|---------------------------|---|----|-----|------|

**Description:** Code identifying the trade terms which apply to the shipment transportation responsibility

**CodeList Summary** (Total Codes: 24, Included: 4)

**Code Name**

DAF Delivered at Frontier

**User Note 1:**

*Delivered at Place*

DDP Delivered Duty Paid

FCA Free Carrier

FOB Free on Board

## 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.

# ITD Terms of Sale/Deferred Terms of Sale

|                     |             |
|---------------------|-------------|
| Pos: 1300           | Max: 1      |
| Heading - Mandatory |             |
| Loop: N/A           | Elements: 1 |

**User Option (Usage):** Must use

**Purpose:** To specify terms of 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> |
|------------|-----------|---------------------|------------|-------------|----------------|--------------|
| ITD12      | 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. 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 Date/Time Reference

|                     |             |
|---------------------|-------------|
| Pos: 1500           | Max: 3      |
| Heading - Mandatory |             |
| Loop: N/A           | Elements: 2 |

**User Option (Usage):** Must use

**Purpose:** 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

**CodeList Summary** (Total Codes: 1280, Included: 4)

| <u>Code</u> | <u>Name</u>           |
|-------------|-----------------------|
| 037         | Ship Not Before       |
| 038         | Ship No Later         |
| 063         | Do Not Deliver After  |
| 064         | Do Not Deliver Before |

|       |     |      |   |    |     |          |
|-------|-----|------|---|----|-----|----------|
| 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.

## User Note 1:

*Either 037 and 038 (Ship Window) OR 063 and 064 (Delivery Window) will be sent on every order*

# Loop Extended Reference Information

|           |               |
|-----------|---------------|
| Pos: 2850 | Repeat: 10    |
| Optional  |               |
| Loop: N9  | Elements: N/A |

**User Option (Usage):** Used

**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier

## 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> |
|------------|-----------|--------------------------------|------------|----------------|---------------|--------------|
| 2850       | N9        | Extended Reference Information | M          | 1              |               | Must use     |
| 2900       | MTX       | Text                           | M          | 1              |               | Must use     |

# N9 Extended Reference Information

|                     |             |
|---------------------|-------------|
| Pos: 2850           | Max: 1      |
| Heading - Mandatory |             |
| Loop: N9            | Elements: 2 |

**User Option (Usage):** Must use

**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier

## 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> |
|------------|-----------|------------------------------------|------------|-------------|----------------|--------------|
| N901       | 128       | Reference Identification Qualifier | M          | ID          | 2/3            | Must use     |

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1731, Included: 1)

**Code Name**

L1 Letters or Notes

|      |     |                          |   |    |      |          |
|------|-----|--------------------------|---|----|------|----------|
| N902 | 127 | Reference Identification | M | AN | 1/50 | Must use |
|------|-----|--------------------------|---|----|------|----------|

**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**User Note 1:** GEN: General Notes

## 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: 2900           | Max: 1      |
| Heading - Mandatory |             |
| Loop: N9            | Elements: 1 |

**User Option (Usage):** Must use  
**Purpose:** To specify textual 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> |
|------------|-----------|---------------------|------------|-------------|----------------|--------------|
| MTX02      | 1551      | Textual Data        | X          | AN          | 1/4096         | Used         |

**Description:** To transmit large volumes of message text

## 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 Party Identification

|           |               |
|-----------|---------------|
| Pos: 3000 | Repeat: 4     |
| Optional  |               |
| Loop: N1  | Elements: N/A |

**User Option (Usage):** Used

**Purpose:** 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> |
|------------|-----------|----------------------|------------|----------------|---------------|--------------|
| 3000       | N1        | Party Identification | M          | 1              |               | Must use     |
| 3200       | N3        | Party Location       | O          | 1              |               | Used         |
| 3300       | N4        | Geographic Location  | O          | 1              |               | Used         |



# N1 Party Identification

|                     |             |
|---------------------|-------------|
| Pos: 3000           | Max: 1      |
| Heading - Mandatory |             |
| Loop: N1            | Elements: 4 |

**User Option (Usage):** Must use

**Purpose:** 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

**CodeList Summary** (Total Codes: 1500, Included: 4)

| <u>Code</u> | <u>Name</u>       |
|-------------|-------------------|
| CT          | Country of Origin |
| FW          | Forwarder         |
| ST          | Ship To           |
| WH          | Warehouse         |

**User Note 1:**

*Factory*

|      |    |      |   |    |      |      |
|------|----|------|---|----|------|------|
| N102 | 93 | Name | X | AN | 1/60 | Used |
|------|----|------|---|----|------|------|

**Description:** Free-form name

|      |    |                               |   |    |     |      |
|------|----|-------------------------------|---|----|-----|------|
| N103 | 66 | Identification Code Qualifier | X | ID | 1/2 | Used |
|------|----|-------------------------------|---|----|-----|------|

**Description:** Code designating the system/method of code structure used for Identification Code (67)

**CodeList Summary** (Total Codes: 241, Included: 1)

| <u>Code</u> | <u>Name</u>                        |
|-------------|------------------------------------|
| 92          | Assigned by Buyer or Buyer's Agent |

|      |    |                     |   |    |      |      |
|------|----|---------------------|---|----|------|------|
| N104 | 67 | Identification Code | X | 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 Party Location

|                    |             |
|--------------------|-------------|
| Pos: 3200          | Max: 1      |
| Heading - Optional |             |
| Loop: N1           | Elements: 2 |

**User Option (Usage):** Used

**Purpose:** 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       | <b>Address Information</b>              | M          | AN          | 1/55           | Must use     |
|            |           | <b>Description:</b> Address information |            |             |                |              |
| N302       | 166       | <b>Address Information</b>              | O          | AN          | 1/55           | Used         |
|            |           | <b>Description:</b> Address information |            |             |                |              |

# N4 Geographic Location

|                    |             |
|--------------------|-------------|
| Pos: 3300          | Max: 1      |
| Heading - Optional |             |
| Loop: N1           | Elements: 4 |

**User Option (Usage):** Used

**Purpose:** 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        | <b>City Name</b>              | C          | AN          | 2/30           | Used         |
| <b>Description:</b> Free-form text for city name   |           |                               |            |             |                |              |
| <b>User Note 1:</b> <i>Mandatory if N101 = FW or ST</i>  |           |                               |            |             |                |              |
| N402   | 156       | <b>State or Province Code</b> | C          | ID          | 2/2            | Used         |
| <b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency                                 |           |                               |            |             |                |              |
| <b>User Note 1:</b> <i>Mandatory if N101 = FW or ST</i>  |           |                               |            |             |                |              |
| N403   | 116       | <b>Postal Code</b>            | C          | ID          | 3/15           | Used         |
| <b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States) |           |                               |            |             |                |              |
| <b>User Note 1:</b> <i>Mandatory if N101 = FW or ST</i>  |           |                               |            |             |                |              |
| N404   | 26        | <b>Country Code</b>           | C          | ID          | 2/3            | Used         |
| <b>Description:</b> Code identifying the country   |           |                               |            |             |                |              |
| <b>User Note 1:</b> <i>Mandatory if N101 = FW or CT</i>  |           |                               |            |             |                |              |

## 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. 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.

# Loop Line Item Change

Pos: 0100      Repeat: >1  
 Optional  
 Loop: POC    Elements: N/A

**User Option (Usage):** Used

**Purpose:** To specify changes to a line item

## 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> |
|------------|-----------|-----------------------|------------|----------------|---------------|--------------|
| 0100       | POC       | Line Item Change      | M          | 1              |               | Must use     |
| 0400       | CTP       | Pricing Information   | O          | 1              |               | Used         |
| 0500       |           | Loop PID              | M          |                | 10            | Must use     |
| 0900       | PO4       | Item Physical Details | M          | 1              |               | Must use     |
| 1000       | REF       | Reference Information | O          | 1              |               | Used         |
| 1900       | SDQ       | Destination Quantity  | O          | 500            |               | Used         |

# POC Line Item Change

Pos: 0100 Max: 1  
 Detail - Mandatory  
 Loop: POC Elements: 15

**User Option (Usage):** Must use

**Purpose:** To specify changes to a line 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> |
|------------|-----------|--|--------------------------|-------------|----------------|--------------|
| POC01      | 350       | <b>Assigned Identification</b>   | M                        | AN          | 1/20           | Must use     |
|            |           | <b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set                                  |                          |             |                |              |
| POC02      | 670       | <b>Change or Response Type Code</b>  | M                        | ID          | 2/2            | Must use     |
|            |           | <b>Description:</b> Code specifying the type of change to the line item  |                          |             |                |              |
|            |           | <b>CodeList Summary</b> (Total Codes: 30, Included: 1)   |                          |             |                |              |
|            |           | <u>Code</u>  | <u>Name</u>              |             |                |              |
|            |           | RZ   | Replace All Values       |             |                |              |
| POC03      | 380       | <b>Quantity</b>  | M                        | R           | 1/15           | Must use     |
|            |           | <b>Description:</b> Numeric value of quantity  |                          |             |                |              |
| POC05      | C001      | <b>Composite Unit of Measure</b>   | M                        | Comp        |                | Must use     |
|            |           | <b>Description:</b> To identify a composite unit of measure (See Figures Appendix for examples of use)                             |                          |             |                |              |
| POC05-01   | 355       | <b>Unit or Basis for Measurement Code</b>  | M                        | ID          | 2/2            | Must use     |
|            |           | <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken |                          |             |                |              |
|            |           | <b>CodeList Summary</b> (Total Codes: 844, Included: 1)  |                          |             |                |              |
|            |           | <u>Code</u>  | <u>Name</u>              |             |                |              |
|            |           | EA   | Each                     |             |                |              |
| POC06      | 212       | <b>Unit Price</b>  | M                        | R           | 1/17           | Must use     |
|            |           | <b>Description:</b> Price per unit of product, service, commodity, etc.  |                          |             |                |              |
| POC08      | 235       | <b>Product/Service ID Qualifier</b>  | M                        | ID          | 2/2            | Must use     |
|            |           | <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)                    |                          |             |                |              |
|            |           | <b>CodeList Summary</b> (Total Codes: 519, Included: 1)  |                          |             |                |              |
|            |           | <u>Code</u>  | <u>Name</u>              |             |                |              |
|            |           | SK   | Stock Keeping Unit (SKU) |             |                |              |
| POC09      | 234       | <b>Product/Service ID</b>  | M                        | AN          | 1/48           | Must use     |
|            |           | <b>Description:</b> Identifying number for a product or service  |                          |             |                |              |
| POC10      | 235       | <b>Product/Service ID Qualifier</b>  | M                        | ID          | 2/2            | Must use     |
|            |           | <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)                    |                          |             |                |              |

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>   | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
|            |           | <b>CodeList Summary</b> (Total Codes: 519, Included: 1)   |            |             |                |              |
|            |           | <b>Code Name</b>  |            |             |                |              |
|            |           | VN Vendor's (Seller's) Item Number  |            |             |                |              |
| POC11      | 234       | <b>Product/Service ID</b>   | M          | AN          | 1/48           | Must use     |
|            |           | <b>Description:</b> Identifying number for a product or service   |            |             |                |              |
| POC12      | 235       | <b>Product/Service ID Qualifier</b>   | M          | ID          | 2/2            | Must use     |
|            |           | <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) |            |             |                |              |
|            |           | <b>CodeList Summary</b> (Total Codes: 519, Included: 1)   |            |             |                |              |
|            |           | <b>Code Name</b>  |            |             |                |              |
|            |           | UP UCC - 12   |            |             |                |              |
| POC13      | 234       | <b>Product/Service ID</b>   | M          | AN          | 1/48           | Must use     |
|            |           | <b>Description:</b> Identifying number for a product or service   |            |             |                |              |
| POC14      | 235       | <b>Product/Service ID Qualifier</b>   | X          | ID          | 2/2            | Used         |
|            |           | <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) |            |             |                |              |
|            |           | <b>CodeList Summary</b> (Total Codes: 519, Included: 1)   |            |             |                |              |
|            |           | <b>Code Name</b>  |            |             |                |              |
|            |           | ZZ Mutually Defined   |            |             |                |              |
|            |           | <b>User Note 1:</b>   |            |             |                |              |
|            |           | <i>Ticket Type</i>  |            |             |                |              |
| POC15      | 234       | <b>Product/Service ID</b>   | X          | AN          | 1/48           | Used         |
|            |           | <b>Description:</b> Identifying number for a product or service   |            |             |                |              |
| POC16      | 235       | <b>Product/Service ID Qualifier</b>   | X          | ID          | 2/2            | Used         |
|            |           | <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) |            |             |                |              |
|            |           | <b>CodeList Summary</b> (Total Codes: 519, Included: 1)   |            |             |                |              |
|            |           | <b>Code Name</b>  |            |             |                |              |
|            |           | KL Item Management Code   |            |             |                |              |
|            |           | <b>User Note 1:</b>   |            |             |                |              |
|            |           | <i>Hanging Status</i>   |            |             |                |              |
| POC17      | 234       | <b>Product/Service ID</b>   | X          | AN          | 1/48           | Used         |
|            |           | <b>Description:</b> Identifying number for a product or service   |            |             |                |              |

**Syntax Rules:**

1. P0305 - If either POC03 or POC05 is present, then the other is required.
2. C0405 - If POC04 is present, then POC05 is required.
3. C0706 - If POC07 is present, then POC06 is required.
4. P0809 - If either POC08 or POC09 is present, then the other is required.

5. P1011 - If either POC10 or POC11 is present, then the other is required.
6. P1213 - If either POC12 or POC13 is present, then the other is required.
7. P1415 - If either POC14 or POC15 is present, then the other is required.
8. P1617 - If either POC16 or POC17 is present, then the other is required.
9. P1819 - If either POC18 or POC19 is present, then the other is required.
10. P2021 - If either POC20 or POC21 is present, then the other is required.
11. P2223 - If either POC22 or POC23 is present, then the other is required.
12. P2425 - If either POC24 or POC25 is present, then the other is required.
13. P2627 - If either POC26 or POC27 is present, then the other is required.

**Semantics:**

1. POC01 is the purchase order line item identification.
2. POC03 is quantity ordered.

# CTP Pricing Information

|                   |             |
|-------------------|-------------|
| Pos: 0400         | Max: 1      |
| Detail - Optional |             |
| Loop: POC         | Elements: 2 |

**User Option (Usage):** Used

**Purpose:** 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> |
|---|-----------|------------------------------|------------|-------------|----------------|--------------|
| CTP02   | 236       | <b>Price Identifier Code</b> | M          | ID          | 3/3            | Must use     |
| <b>Description:</b> Code identifying pricing specification              |           |                              |            |             |                |              |
| <b>CodeList Summary</b> (Total Codes: 168, Included: 1)                 |           |                              |            |             |                |              |
| <u>Code</u> <u>Name</u>   |           |                              |            |             |                |              |
| RTL Retail  |           |                              |            |             |                |              |
| CTP03   | 212       | <b>Unit Price</b>            | M          | R           | 1/17           | Must use     |
| <b>Description:</b> 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 Product/Item Description

|           |               |
|-----------|---------------|
| Pos: 0500 | Repeat: 10    |
| Mandatory |               |
| Loop: PID | Elements: N/A |

**User Option (Usage):** Must use

**Purpose:** 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> |
|------------|-----------|--------------------------|------------|----------------|---------------|--------------|
| 0500       | PID       | Product/Item Description | M          | 1              |               | Must use     |

# PID Product/Item Description

|                    |             |
|--------------------|-------------|
| Pos: 0500          | Max: 1      |
| Detail - Mandatory |             |
| Loop: PID          | Elements: 3 |

**User Option (Usage):** Must use

**Purpose:** 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

**CodeList Summary** (Total Codes: 3, Included: 1)

**Code Name**

F Free-form

|       |     |                                     |   |    |     |          |
|-------|-----|-------------------------------------|---|----|-----|----------|
| PID02 | 750 | Product/Process Characteristic Code | M | ID | 2/3 | Must use |
|-------|-----|-------------------------------------|---|----|-----|----------|

**Description:** Code identifying the general class of a product or process characteristic

**CodeList Summary** (Total Codes: 238, Included: 4)

**Code Name**

08 Product

**User Note 1:**

*Mandatory*

75 Buyer's Color Description

91 Buyer's Item Size Description

92 Fabric 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.

## 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.

# PO4 Item Physical Details

Pos: 0900      Max: 1  
 Detail - Mandatory  
 Loop: POC      Elements: 7

**User Option (Usage):** Must use

**Purpose:** 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       | <b>Pack</b>  | M           | N0          | 1/6            | Must use     |
|            |           | <b>Description:</b> The number of inner containers, or number of eaches if there are no inner containers, per outer container      |             |             |                |              |
| PO402      | 357       | <b>Size</b>  | M           | R           | 1/8            | Must use     |
|            |           | <b>Description:</b> Size of supplier units in pack   |             |             |                |              |
| PO403      | 355       | <b>Unit or Basis for Measurement Code</b>  | M           | ID          | 2/2            | Must use     |
|            |           | <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken |             |             |                |              |
|            |           | <b>CodeList Summary</b> (Total Codes: 844, Included: 1)  |             |             |                |              |
|            |           | <u>Code</u>  | <u>Name</u> |             |                |              |
|            |           | UN   | Unit        |             |                |              |
| PO410      | 82        | <b>Length</b>  | X           | R           | 1/8            | Used         |
|            |           | <b>Description:</b> Largest horizontal dimension of an object measured when the object is in the upright position                  |             |             |                |              |
| PO411      | 189       | <b>Width</b>   | X           | R           | 1/8            | Used         |
|            |           | <b>Description:</b> Shorter measurement of the two horizontal dimensions measured with the object in the upright position          |             |             |                |              |
| PO412      | 65        | <b>Height</b>  | X           | R           | 1/8            | Used         |
|            |           | <b>Description:</b> Vertical dimension of an object measured when the object is in the upright position                            |             |             |                |              |
| PO413      | 355       | <b>Unit or Basis for Measurement Code</b>  | X           | ID          | 2/2            | Used         |
|            |           | <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken |             |             |                |              |
|            |           | <b>CodeList Summary</b> (Total Codes: 844, Included: 1)  |             |             |                |              |
|            |           | <u>Code</u>  | <u>Name</u> |             |                |              |
|            |           | IN   | Inch        |             |                |              |

## 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 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.

# REF Reference Information

|                   |             |
|-------------------|-------------|
| Pos: 1000         | Max: 1      |
| Detail - Optional |             |
| Loop: POC         | Elements: 2 |

**User Option (Usage):** Used

**Purpose:** To specify identifying information

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>                | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|------------------------------------|------------|-------------|----------------|--------------|
| REF01      | 128       | Reference Identification Qualifier | M          | ID          | 2/3            | Must use     |

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1731, Included: 1)

**Code Name**

PG Product Group

**User Note 1:**

*Product Subclass*

|       |     |                          |   |    |      |          |
|-------|-----|--------------------------|---|----|------|----------|
| REF02 | 127 | Reference Identification | M | AN | 1/50 | Must use |
|-------|-----|--------------------------|---|----|------|----------|

**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

## 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.

# SDQ Destination Quantity

|                   |              |
|-------------------|--------------|
| Pos: 1900         | Max: 500     |
| Detail - Optional |              |
| Loop: POC         | Elements: 23 |

**User Option (Usage):** Used

**Purpose:** 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       | <b>Unit or Basis for Measurement Code</b>  | M          | ID                                 | 2/2            | Must use     |
|            |           | <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken |            |                                    |                |              |
|            |           | <b>CodeList Summary</b> (Total Codes: 844, Included: 1)  |            |                                    |                |              |
|            |           | <u>Code</u>  |            | <u>Name</u>                        |                |              |
|            |           | EA   |            | Each                               |                |              |
| SDQ02      | 66        | <b>Identification Code Qualifier</b>   | M          | ID                                 | 1/2            | Must use     |
|            |           | <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)                         |            |                                    |                |              |
|            |           | <b>CodeList Summary</b> (Total Codes: 241, Included: 1)  |            |                                    |                |              |
|            |           | <u>Code</u>  |            | <u>Name</u>                        |                |              |
|            |           | 92   |            | Assigned by Buyer or Buyer's Agent |                |              |
| SDQ03      | 67        | <b>Identification Code</b>   | M          | AN                                 | 2/80           | Must use     |
|            |           | <b>Description:</b> Code identifying a party or other code   |            |                                    |                |              |
| SDQ04      | 380       | <b>Quantity</b>  | M          | R                                  | 1/15           | Must use     |
|            |           | <b>Description:</b> Numeric value of quantity  |            |                                    |                |              |
| SDQ05      | 67        | <b>Identification Code</b>   | X          | AN                                 | 2/80           | Used         |
|            |           | <b>Description:</b> Code identifying a party or other code   |            |                                    |                |              |
| SDQ06      | 380       | <b>Quantity</b>  | X          | R                                  | 1/15           | Used         |
|            |           | <b>Description:</b> Numeric value of quantity  |            |                                    |                |              |
| SDQ07      | 67        | <b>Identification Code</b>   | X          | AN                                 | 2/80           | Used         |
|            |           | <b>Description:</b> Code identifying a party or other code   |            |                                    |                |              |
| SDQ08      | 380       | <b>Quantity</b>  | X          | R                                  | 1/15           | Used         |
|            |           | <b>Description:</b> Numeric value of quantity  |            |                                    |                |              |
| SDQ09      | 67        | <b>Identification Code</b>   | X          | AN                                 | 2/80           | Used         |
|            |           | <b>Description:</b> Code identifying a party or other code   |            |                                    |                |              |
| SDQ10      | 380       | <b>Quantity</b>  | X          | R                                  | 1/15           | Used         |
|            |           | <b>Description:</b> Numeric value of quantity  |            |                                    |                |              |
| SDQ11      | 67        | <b>Identification Code</b>   | X          | AN                                 | 2/80           | Used         |
|            |           | <b>Description:</b> 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       | <b>Quantity</b><br><b>Description:</b> Numeric value of quantity                            | X          | R           | 1/15           | Used         |
| SDQ13      | 67        | <b>Identification Code</b><br><b>Description:</b> Code identifying a party or other code    | X          | AN          | 2/80           | Used         |
| SDQ14      | 380       | <b>Quantity</b><br><b>Description:</b> Numeric value of quantity                            | X          | R           | 1/15           | Used         |
| SDQ15      | 67        | <b>Identification Code</b><br><b>Description:</b> Code identifying a party or other code    | X          | AN          | 2/80           | Used         |
| SDQ16      | 380       | <b>Quantity</b><br><b>Description:</b> Numeric value of quantity                            | X          | R           | 1/15           | Used         |
| SDQ17      | 67        | <b>Identification Code</b><br><b>Description:</b> Code identifying a party or other code    | X          | AN          | 2/80           | Used         |
| SDQ18      | 380       | <b>Quantity</b><br><b>Description:</b> Numeric value of quantity                            | X          | R           | 1/15           | Used         |
| SDQ19      | 67        | <b>Identification Code</b><br><b>Description:</b> Code identifying a party or other code    | X          | AN          | 2/80           | Used         |
| SDQ20      | 380       | <b>Quantity</b><br><b>Description:</b> Numeric value of quantity                            | X          | R           | 1/15           | Used         |
| SDQ21      | 67        | <b>Identification Code</b><br><b>Description:</b> Code identifying a party or other code    | X          | AN          | 2/80           | Used         |
| SDQ22      | 380       | <b>Quantity</b><br><b>Description:</b> Numeric value of quantity                            | X          | R           | 1/15           | Used         |
| SDQ23      | 310       | <b>Location Identifier</b><br><b>Description:</b> Code which identifies a specific location | O          | AN          | 1/30           | 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.

# Loop Transaction Totals

|           |               |
|-----------|---------------|
| Pos: 0100 | Repeat: 1     |
| Optional  |               |
| Loop: CTT | Elements: N/A |

**User Option (Usage):** Used

**Purpose:** 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> |
|------------|-----------|---------------------|------------|----------------|---------------|--------------|
| 0100       | CTT       | Transaction Totals  | O          | 1              |               | Used         |

# CTT Transaction Totals

|                    |             |
|--------------------|-------------|
| Pos: 0100          | Max: 1      |
| Summary - Optional |             |
| Loop: CTT          | Elements: 1 |

**User Option (Usage):** Used

**Purpose:** To transmit a hash total for a specific element in the transaction set

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>  | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|----------------------|------------|-------------|----------------|--------------|
| CTT01      | 354       | Number of Line Items | M          | N0          | 1/6            | Must use     |

**Description:** Total number of line items in the transaction set

## 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: 0300           | Max: 1      |
| Summary - Mandatory |             |
| Loop: N/A           | Elements: 2 |

**User Option (Usage):** Must use

**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>   | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| SE01       | 96        | <b>Number of Included Segments</b>  | M          | N0          | 1/10           | Must use     |
|            |           | <b>Description:</b> Total number of segments included in a transaction set including ST and SE segments   |            |             |                |              |
| SE02       | 329       | <b>Transaction Set Control Number</b>   | M          | AN          | 4/9            | Must use     |
|            |           | <b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set |            |             |                |              |

## Comments:

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