

# 850 Purchase Order

X12/V5010/850: 850 Purchase Order

|                  |                         |
|------------------|-------------------------|
| <b>Company:</b>  | <b>WoodCraft Supply</b> |
| <b>Created:</b>  | <b>1/15/2013</b>        |
| <b>Modified:</b> | <b>2/18/2013</b>        |
| <b>Notes:</b>    |                         |

# 850 Purchase Order

## Functional Group=PO

**Purpose:** 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:**

| <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                       | BEG       | Beginning Segment for Purchase Order            | M          | 1              |                  |              | Must use     |
| 0400                       | CUR       | Currency  | O          | 1              |                  |              | Used         |
| 0500                       | REF       | Reference Information                           | M          | 3              |                  |              | Must use     |
| 1300                       | ITD       | Terms of Sale/Deferred Terms of Sale            | O          | 1              |                  |              | Used         |
| 1500                       | DTM       | Date/Time Reference                             | M          | 1              |                  |              | Must use     |
| 2400                       | TD5       | Carrier Details (Routing Sequence/Transit Time) | O          | >1             |                  |              | Used         |
| <b><u>LOOP ID - N9</u></b> |           |   |            |                | <b><u>10</u></b> |              |              |
| 2950                       | N9        | Extended Reference Information                  | O          | 1              |                  |              | Used         |
| 3000                       | MTX       | Text  | O          | 1              |                  |              | Used         |
| <b><u>LOOP ID - N1</u></b> |           |   |            |                | <b><u>3</u></b>  |              |              |
| 3100                       | N1        | Party Identification                            | M          | 1              |                  |              | Must use     |
| 3300                       | N3        | Party Location                                  | O          | 1              |                  |              | Used         |
| 3400                       | N4        | Geographic Location                             | O          | 1              |                  |              | Used         |
| 3600                       | PER       | Administrative Communications Contact           | 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><u>LOOP ID - PO1</u></b> |           |                                |            |                | <b><u>100000</u></b> | <b><u>N2/0100L</u></b> |              |
| 0100                        | PO1       | Baseline Item Data             | M          | 1              |                      | N2/0100                | Must use     |
| <b><u>LOOP ID - CTP</u></b> |           |                                |            |                | <b><u>≥1</u></b>     |                        |              |
| 0400                        | CTP       | Pricing Information            | O          | 1              |                      |                        | Used         |
| <b><u>LOOP ID - PID</u></b> |           |                                |            |                | <b><u>80</u></b>     |                        |              |
| 0500                        | PID       | Product/Item Description       | M          | 1              |                      |                        | Must use     |
| <b><u>LOOP ID - N9</u></b>  |           |                                |            |                | <b><u>10</u></b>     |                        |              |
| 3300                        | N9        | Extended Reference Information | O          | 1              |                      |                        | Used         |
| 3400                        | MTX       | Text                           | O          | 1              |                      |                        | 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><u>LOOP ID - CTT</u></b> |           |                     |            |                |               | <b><u>1</u></b> | <b><u>N3/0100L</u></b> |
| 0100                        | CTT       | Transaction Totals  | M          | 1              |               | N3/0100         | 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.

**Change History:**

Feb 18, 2013

- . N9 group added to the Details (PO1) to allow for line item notes to be sent.

# 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       | <b>Transaction Set Identifier Code</b> | M          | ID          | 3/3            | Must use     |
| <b>Description:</b> Code uniquely identifying a Transaction Set   |           |  |            |             |                |              |
| <b>CodeList Summary</b> (Total Codes: 318, Included: 1)   |           |  |            |             |                |              |
| <b>Code Name</b>  |           |  |            |             |                |              |
| 850 Purchase Order  |           |  |            |             |                |              |
| ST02  | 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 |           |  |            |             |                |              |

## 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.

# BEG Beginning Segment for Purchase Order

|                     |             |
|---------------------|-------------|
| Pos: 0200           | Max: 1      |
| Heading - Mandatory |             |
| Loop: N/A           | Elements: 4 |

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

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

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>          | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|------------------------------|------------|-------------|----------------|--------------|
| BEG01      | 353       | Transaction Set Purpose Code | M          | ID          | 2/2            | Must use     |

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

**CodeList Summary** (Total Codes: 66, Included: 3)

**Code Name**

- 00 Original
- 01 Cancellation
- 05 Replace

|       |    |                          |   |    |     |          |
|-------|----|--------------------------|---|----|-----|----------|
| BEG02 | 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**

- DS Dropship
- SA Stand-alone Order

|       |     |                       |   |    |      |          |
|-------|-----|-----------------------|---|----|------|----------|
| BEG03 | 324 | Purchase Order Number | M | AN | 1/22 | Must use |
|-------|-----|-----------------------|---|----|------|----------|

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

|       |     |      |   |    |     |          |
|-------|-----|------|---|----|-----|----------|
| BEG05 | 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. BEG05 is the date assigned by the purchaser to purchase order.

# CUR Currency

|                    |             |
|--------------------|-------------|
| Pos: 0400          | Max: 1      |
| Heading - Optional |             |
| Loop: N/A          | Elements: 2 |

**User Option (Usage):** Used

**Purpose:** To specify the currency (dollars, pounds, francs, etc.) used in a transaction

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>    | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|------------------------|------------|-------------|----------------|--------------|
| CUR01      | 98        | Entity Identifier Code | M          | ID          | 2/3            | Must use     |

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

**CodeList Summary** (Total Codes: 1500, Included: 1)

**Code Name**

BY Buying Party (Purchaser)

|       |     |               |   |    |     |          |
|-------|-----|---------------|---|----|-----|----------|
| CUR02 | 100 | Currency Code | M | ID | 3/3 | Must use |
|-------|-----|---------------|---|----|-----|----------|

**Description:** Code (Standard ISO) for country in whose currency the charges are specified

## Syntax Rules:

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

## Comments:

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

# REF Reference Information

|                     |             |
|---------------------|-------------|
| Pos: 0500           | Max: 3      |
| Heading - Mandatory |             |
| Loop: N/A           | Elements: 2 |

**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: 3)

**Code Name**

|    |                              |
|----|------------------------------|
| CO | Customer Order Number        |
| GK | Third Party Reference Number |
| IA | Internal Vendor Number       |

**User Note 1:**

*Mandatory*

|       |     |                          |   |    |      |      |
|-------|-----|--------------------------|---|----|------|------|
| REF02 | 127 | Reference Identification | O | AN | 1/50 | Used |
|-------|-----|--------------------------|---|----|------|------|

**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.

**User Note 1:**

*Vendor Number will always be sent  
Customer order number sent for Drop Ship orders*

# ITD Terms of Sale/Deferred Terms of Sale

|                    |             |
|--------------------|-------------|
| Pos: 1300          | Max: 1      |
| Heading - Optional |             |
| Loop: N/A          | Elements: 6 |

**User Option (Usage):** Used

**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> |
|------------|-----------|------------------------|------------|-------------|----------------|--------------|
| ITD01      | 336       | <b>Terms Type Code</b> | O          | ID          | 2/2            | Used         |

**Description:** Code identifying type of payment terms

**CodeList Summary** (Total Codes: 77, Included: 5)

Code Name

- 01 Basic
- 02 End of Month (EOM)
- 05 Discount Not Applicable
- 08 Basic Discount Offered
- 12 10 Days After End of Month (10 EOM)

|       |     |                              |   |    |     |      |
|-------|-----|------------------------------|---|----|-----|------|
| ITD02 | 333 | <b>Terms Basis Date Code</b> | O | ID | 1/2 | Used |
|-------|-----|------------------------------|---|----|-----|------|

**Description:** Code identifying the beginning of the terms period

**CodeList Summary** (Total Codes: 17, Included: 1)

Code Name

- 3 Invoice Date

|       |     |                               |   |   |     |      |
|-------|-----|-------------------------------|---|---|-----|------|
| ITD03 | 338 | <b>Terms Discount Percent</b> | O | R | 1/6 | Used |
|-------|-----|-------------------------------|---|---|-----|------|

**Description:** Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date

|       |     |                                |   |    |     |      |
|-------|-----|--------------------------------|---|----|-----|------|
| ITD05 | 351 | <b>Terms Discount Days Due</b> | C | N0 | 1/3 | Used |
|-------|-----|--------------------------------|---|----|-----|------|

**Description:** Number of days in the terms discount period by which payment is due if terms discount is earned

|       |     |                       |   |    |     |      |
|-------|-----|-----------------------|---|----|-----|------|
| ITD07 | 386 | <b>Terms Net Days</b> | O | N0 | 1/3 | Used |
|-------|-----|-----------------------|---|----|-----|------|

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

|       |     |                    |   |    |      |          |
|-------|-----|--------------------|---|----|------|----------|
| ITD12 | 352 | <b>Description</b> | 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: 1      |
| 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: 1)

| <u>Code</u> | <u>Name</u>    |
|-------------|----------------|
| 010         | Requested Ship |

|       |     |      |   |    |     |          |
|-------|-----|------|---|----|-----|----------|
| 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)

|                    |             |
|--------------------|-------------|
| Pos: 2400          | Max: >1     |
| Heading - Optional |             |
| Loop: N/A          | Elements: 5 |

User Option (Usage): Used

Purpose: To specify the carrier and sequence of routing and provide transit time information

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>           | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|-------------------------------|------------|-------------|----------------|--------------|
| TD502      | 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)

**Code Name**

2 Standard Carrier Alpha Code (SCAC)

|       |    |                     |   |    |      |      |
|-------|----|---------------------|---|----|------|------|
| TD503 | 67 | Identification Code | X | AN | 2/80 | Used |
|-------|----|---------------------|---|----|------|------|

**Description:** Code identifying a party or other code

|       |    |                                 |   |    |     |      |
|-------|----|---------------------------------|---|----|-----|------|
| TD504 | 91 | Transportation Method/Type Code | X | ID | 1/2 | Used |
|-------|----|---------------------------------|---|----|-----|------|

**Description:** Code specifying the method or type of transportation for the shipment

**CodeList Summary** (Total Codes: 80, Included: 4)

**Code Name**

A Air  
 C Consolidation  
 M Motor (Common Carrier)  
 U Private Parcel Service

|       |     |         |   |    |      |      |
|-------|-----|---------|---|----|------|------|
| TD505 | 387 | Routing | X | AN | 1/35 | Used |
|-------|-----|---------|---|----|------|------|

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

**User Note 1:**

**CARRIER DESCRIPTION**

|       |     |                    |   |    |     |      |
|-------|-----|--------------------|---|----|-----|------|
| TD512 | 284 | Service Level Code | X | ID | 2/2 | Used |
|-------|-----|--------------------|---|----|-----|------|

**Description:** Code indicating the level of transportation service or the billing service offered by the transportation carrier

**CodeList Summary** (Total Codes: 71, Included: 11)

**Code Name**

3D Three Day Service  
 AM A.M.  
 CG Ground  
 DC Delivery Confirmation  
 ET Proof of Delivery (POD) with Signature  
 G2 Standard Service  
 ND Next Day Air

| <u>Code</u> | <u>Name</u>     |
|-------------|-----------------|
| SC          | Second Day Air  |
| SD          | Saturday        |
| SE          | Second Day      |
| SG          | Standard Ground |

**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.

# Loop Extended Reference Information

|           |               |
|-----------|---------------|
| Pos: 2950 | 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> |
|------------|-----------|--------------------------------|------------|----------------|---------------|--------------|
| 2950       | N9        | Extended Reference Information | O          | 1              |               | Used         |
| 3000       | MTX       | Text                           | O          | 1              |               | Used         |

# N9 Extended Reference Information

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

**User Option (Usage):** Used

**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 | O          | ID          | 2/3            | Used         |

**Description:** Code qualifying the Reference Identification

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

**Code Name**

L1 Letters or Notes

|      |     |                       |   |    |      |      |
|------|-----|-----------------------|---|----|------|------|
| N903 | 369 | Free-form Description | C | AN | 1/45 | Used |
|------|-----|-----------------------|---|----|------|------|

**Description:** Free-form descriptive text

**User Note 1:**

The following reference identifier (N903) values will be sent to identify the message type used in the MTX segment that follows:

- . PACKING SLIP MESSAGE
- . GIFT MESSAGE
- . DELIVERY INSTRUCTIONS

## 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

|                           |                    |
|---------------------------|--------------------|
| <b>Pos: 3000</b>          | <b>Max: 1</b>      |
| <b>Heading - Optional</b> |                    |
| <b>Loop: N9</b>           | <b>Elements: 1</b> |

**User Option (Usage):** Used

**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        | M          | AN          | 1/4096         | Must use     |

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

**User Note 1:**

**PACKING SLIP MESSAGE** (N901 = L1, N903 = PACKING SLIP MESSAGE)

**GIFT MESSAGE** (N901 = L1, N903 = GIFT MESSAGE)

**DELIVERY INSTRUCTION MESSAGE** (N901=L1, N903 = DELIVERY INSTRUCTIONS)

## 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: 3100 | Repeat: 3     |
| Mandatory |               |
| Loop: N1  | Elements: N/A |

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

**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> |
|------------|-----------|---------------------------------------|------------|----------------|---------------|--------------|
| 3100       | N1        | Party Identification                  | M          | 1              |               | Must use     |
| 3300       | N3        | Party Location                        | O          | 1              |               | Used         |
| 3400       | N4        | Geographic Location                   | O          | 1              |               | Used         |
| 3600       | PER       | Administrative Communications Contact | O          | 1              |               | Used         |



# N1 Party Identification

|                     |             |
|---------------------|-------------|
| Pos: 3100           | 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: 3)

**Code Name**

BT Bill-to-Party

**User Note 1:**

*Mandatory*

SO Sold To If Different From Bill To

**User Note 1:**

*Used for Drop Ship Orders*

ST Ship To

**User Note 1:**

*Mandatory*

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

**Description:** Free-form name

|      |    |                               |   |    |     |      |
|------|----|-------------------------------|---|----|-----|------|
| N103 | 66 | Identification Code Qualifier | C | 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)

**Code Name**

92 Assigned by Buyer or Buyer's Agent

|      |    |                     |   |    |      |      |
|------|----|---------------------|---|----|------|------|
| N104 | 67 | Identification Code | C | 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: 3300          | 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>              | C          | AN          | 1/55           | Used         |
|            |           | <b>Description:</b> Address information |            |             |                |              |
| N302       | 166       | <b>Address Information</b>              | O          | AN          | 1/55           | Used         |
|            |           | <b>Description:</b> Address information |            |             |                |              |

## Syntax Rules:

1. C0201 - If N302 is present, then N301 is required.

# N4 Geographic Location

|                    |             |
|--------------------|-------------|
| Pos: 3400          | 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   |            |             |                |              |
| N402       | 156       | <b>State or Province Code</b>  | O          | ID          | 2/2            | Used         |
|            |           | <b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency                                 |            |             |                |              |
| N403       | 116       | <b>Postal Code</b>   | O          | ID          | 3/15           | Used         |
|            |           | <b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States) |            |             |                |              |
| N404       | 26        | <b>Country Code</b>  | O          | ID          | 2/3            | Used         |
|            |           | <b>Description:</b> 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. 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.

## User Note 1:

*If N401, N402, N403 and/or N404 are present, then N401 is required.*

# PER Administrative Communications Contact

|                    |             |
|--------------------|-------------|
| Pos: 3600          | Max: 1      |
| Heading - Optional |             |
| Loop: N1           | Elements: 4 |

**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                 | <b>Contact Function Code</b>          | M          | ID          | 2/2            | Must use     |             |             |    |                     |
| <p><b>Description:</b> Code identifying the major duty or responsibility of the person or group named</p> <p><b>CodeList Summary</b> (Total Codes: 238, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>IC</td> <td>Information Contact</td> </tr> </tbody> </table> |                     |                                       |            |             |                |              | <u>Code</u> | <u>Name</u> | IC | Information Contact |
| <u>Code</u>   | <u>Name</u>         |                                       |            |             |                |              |             |             |    |                     |
| IC  | Information Contact |                                       |            |             |                |              |             |             |    |                     |
| PER02   | 93                  | <b>Name</b>                           | O          | AN          | 1/60           | Used         |             |             |    |                     |
| <p><b>Description:</b> Free-form name</p>   |                     |                                       |            |             |                |              |             |             |    |                     |
| PER03   | 365                 | <b>Communication Number Qualifier</b> | C          | ID          | 2/2            | Used         |             |             |    |                     |
| <p><b>Description:</b> Code identifying the type of communication number</p> <p><b>CodeList Summary</b> (Total Codes: 42, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>TE</td> <td>Telephone</td> </tr> </tbody> </table>   |                     |                                       |            |             |                |              | <u>Code</u> | <u>Name</u> | TE | Telephone           |
| <u>Code</u>   | <u>Name</u>         |                                       |            |             |                |              |             |             |    |                     |
| TE  | Telephone           |                                       |            |             |                |              |             |             |    |                     |
| PER04   | 364                 | <b>Communication Number</b>           | C          | AN          | 1/256          | Used         |             |             |    |                     |
| <p><b>Description:</b> Complete communications number including country or area code when applicable</p>  |                     |                                       |            |             |                |              |             |             |    |                     |

## 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.

## User Note 1:

*If the Contact Name and Phone Number are present on the Purchase Order, it is important for the Supplier to store this information for the Advanced Ship Notice and Packing Slip (as applicable).*

# Loop Baseline Item Data

Pos: 0100      Repeat:  
                                  100000  
                                  Mandatory  
 Loop: PO1    Elements: N/A

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

**Purpose:** To specify basic and most frequently used line item data

## Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|---------------------|------------|----------------|---------------|--------------|
| 0100       | PO1       | Baseline Item Data  | M          | 1              |               | Must use     |
| 0400       |           | Loop CTP            | O          |                | >1            | Used         |
| 0500       |           | Loop PID            | M          |                | 80            | Must use     |
| 3300       |           | Loop N9             | O          |                | 10            | Used         |

# PO1 Baseline Item Data

|                    |              |
|--------------------|--------------|
| Pos: 0100          | Max: 1       |
| Detail - Mandatory |              |
| Loop: PO1          | Elements: 10 |

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

**Purpose:** To specify basic and most frequently used line item data

## Element Summary:

| <u>Ref</u>   | <u>Id</u> | <u>Element Name</u>                       | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|--|-----------|---|------------|-------------|----------------|--------------|
| PO101  | 350       | <b>Assigned Identification</b>            | O          | AN          | 1/20           | Used         |
| <b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set                                  |           |   |            |             |                |              |
| PO102  | 380       | <b>Quantity</b>                           | M          | R           | 1/15           | Must use     |
| <b>Description:</b> Numeric value of quantity  |           |   |            |             |                |              |
| PO103  | 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: 2)  |           |   |            |             |                |              |
| <u>Code</u> <u>Name</u>  |           |   |            |             |                |              |
| CA Case  |           |   |            |             |                |              |
| EA Each  |           |   |            |             |                |              |
| PO104  | 212       | <b>Unit Price</b>                         | M          | R           | 1/17           | Must use     |
| <b>Description:</b> Price per unit of product, service, commodity, etc.  |           |   |            |             |                |              |
| PO106  | 235       | <b>Product/Service ID Qualifier</b>       | C          | 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)  |           |   |            |             |                |              |
| <u>Code</u> <u>Name</u>  |           |   |            |             |                |              |
| CB Buyer's Catalog Number  |           |   |            |             |                |              |
| <b>User Note 1:</b>  |           |   |            |             |                |              |
| <i>Mandatory</i>   |           |   |            |             |                |              |
| PO107  | 234       | <b>Product/Service ID</b>                 | M          | AN          | 1/48           | Must use     |
| <b>Description:</b> Identifying number for a product or service  |           |   |            |             |                |              |
| <b>User Note 1:</b> <i>Buyer Part Number</i>   |           |   |            |             |                |              |
| PO108  | 235       | <b>Product/Service ID Qualifier</b>       | C          | 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)  |           |   |            |             |                |              |
| <u>Code</u> <u>Name</u>  |           |   |            |             |                |              |
| VN Vendor's (Seller's) Item Number   |           |   |            |             |                |              |
| PO109  | 234       | <b>Product/Service ID</b>                 | O          | AN          | 1/48           | Used         |

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---------------------|------------|-------------|----------------|--------------|
|------------|-----------|---------------------|------------|-------------|----------------|--------------|

**Description:** Identifying number for a product or service

**User Note 1:** *Vendor Item Number*

|       |     |                                     |   |    |     |      |
|-------|-----|-------------------------------------|---|----|-----|------|
| PO110 | 235 | <b>Product/Service ID Qualifier</b> | X | ID | 2/2 | Used |
|-------|-----|-------------------------------------|---|----|-----|------|

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

**CodeList Summary** (Total Codes: 519, Included: 1)

**Code Name**

UP UCC - 12

**User Note 1:**

*The UP qualifier is used to represent any of the family of GTIN (Global Trade Item Number) data structures:*

*GTIN-12 (UPC-12)*

*GTIN-13 (EAN/UCC-13)*

*GTIN-14 (ITF14)*

*GTIN-8 (EAN/UCC-8)*

|       |     |                           |   |    |      |      |
|-------|-----|---------------------------|---|----|------|------|
| PO111 | 234 | <b>Product/Service ID</b> | O | AN | 1/48 | Used |
|-------|-----|---------------------------|---|----|------|------|

**Description:** Identifying number for a product or service

**Syntax Rules:**

1. C0302 - If PO103 is present, then PO102 is required.
2. C0504 - If PO105 is present, then PO104 is required.
3. P0607 - If either PO106 or PO107 is present, then the other is required.
4. P0809 - If either PO108 or PO109 is present, then the other is required.
5. P1011 - If either PO110 or PO111 is present, then the other is required.
6. P1213 - If either PO112 or PO113 is present, then the other is required.
7. P1415 - If either PO114 or PO115 is present, then the other is required.
8. P1617 - If either PO116 or PO117 is present, then the other is required.
9. P1819 - If either PO118 or PO119 is present, then the other is required.
10. P2021 - If either PO120 or PO121 is present, then the other is required.
11. P2223 - If either PO122 or PO123 is present, then the other is required.
12. P2425 - If either PO124 or PO125 is present, then the other is required.

**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 Pricing Information

|           |               |
|-----------|---------------|
| Pos: 0400 | Repeat: >1    |
| Optional  |               |
| Loop: CTP | Elements: N/A |

**User Option (Usage):** Used

**Purpose:** To specify pricing information

## Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|---------------------|------------|----------------|---------------|--------------|
| 0400       | CTP       | Pricing Information | O          | 1              |               | Used         |



# CTP Pricing Information

|                   |             |
|-------------------|-------------|
| Pos: 0400         | Max: 1      |
| Detail - Optional |             |
| Loop: CTP         | Elements: 3 |

**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> |
|---|-----------|------------------------------|------------|-------------|----------------|--------------|
| CTP01   | 687       | <b>Class of Trade Code</b>   | O          | ID          | 2/2            | Used         |
| <b>Description:</b> Code indicating class of trade                      |           |                              |            |             |                |              |
| <b>CodeList Summary</b> (Total Codes: 62, Included: 1)                  |           |                              |            |             |                |              |
| <u>Code</u> <u>Name</u>   |           |                              |            |             |                |              |
| RS Resale   |           |                              |            |             |                |              |
| CTP02   | 236       | <b>Price Identifier Code</b> | X          | ID          | 3/3            | Used         |
| <b>Description:</b> Code identifying pricing specification              |           |                              |            |             |                |              |
| <b>CodeList Summary</b> (Total Codes: 168, Included: 1)                 |           |                              |            |             |                |              |
| <u>Code</u> <u>Name</u>   |           |                              |            |             |                |              |
| RES Resale  |           |                              |            |             |                |              |
| CTP03   | 212       | <b>Unit Price</b>            | O          | R           | 1/17           | Used         |
| <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: 80    |
| 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:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>   | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|-----------------------|------------|-------------|----------------|--------------|
| PID01      | 349       | Item Description Type | M          | ID          | 1/1            | Must use     |

**Description:** Code indicating the format of a description

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

**Code Name**

F Free-form

|       |     |                                     |   |    |     |      |
|-------|-----|-------------------------------------|---|----|-----|------|
| PID02 | 750 | Product/Process Characteristic Code | O | ID | 2/3 | Used |
|-------|-----|-------------------------------------|---|----|-----|------|

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

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

**Code Name**

08 Product

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

# Loop Extended Reference Information

|           |               |
|-----------|---------------|
| Pos: 3300 | 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> |
|------------|-----------|--------------------------------|------------|----------------|---------------|--------------|
| 3300       | N9        | Extended Reference Information | O          | 1              |               | Used         |
| 3400       | MTX       | Text                           | O          | 1              |               | Used         |

# N9 Extended Reference Information

|                   |             |
|-------------------|-------------|
| Pos: 3300         | Max: 1      |
| Detail - Optional |             |
| Loop: N9          | Elements: 2 |

**User Option (Usage):** Used

**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                               | O          | ID               | 2/3            | Used         |
|            |           | <b>Description:</b> Code qualifying the Reference Identification |            |                  |                |              |
|            |           | <b>CodeList Summary</b> (Total Codes: 1731, Included: 1)         |            |                  |                |              |
|            |           | <b>Code Name</b>   |            |                  |                |              |
|            |           | L1   |            | Letters or Notes |                |              |
| N903       | 369       | Free-form Description  | C          | AN               | 1/45           | Used         |

**Description:** Free-form descriptive text

**User Note 1:**

The following reference identifier (N903) values will be sent to identify the message type used in the MTX segment that follows:

- . CUSTOMIZATION INSTRUCTIONS
- . PACKAGING INSTRUCTIONS
- . GENERAL INSTRUCTIONS

## 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: 3400         | Max: 1      |
| Detail - Optional |             |
| Loop: N9          | Elements: 1 |

**User Option (Usage):** Used

**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        | M          | AN          | 1/4096         | Must use     |

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

**User Note 1:**

**CUSTOMIZATION INSTRUCTIONS** (N901 = L1, N903 = CUSTOMIZATION INSTRUCTIONS)

**PACKAGING INSTRUCTIONS** (N901 = L1, N903 = PACKAGING INSTRUCTIONS)

**GENERAL INSTRUCTIONS** (N901=L1, N903 = GENERAL INSTRUCTIONS)

## 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 Transaction Totals

Pos: 0100      Repeat: 1  
 Mandatory  
 Loop: CTT    Elements: N/A

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

**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  | M          | 1              |               | Must use     |

# CTT Transaction Totals

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

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

**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.