



# **845 Price Authorization Acknowledgment/Status - Canada**

VICS EDI

**Version: 008010VICS**

|                     |   |
|---------------------|---|
| <b>Author:</b>      | <b>GS1 Canada and GS1 US</b>            |
| <b>Publication:</b> | <b>2020-12-31</b>                       |
| <b>Notes:</b>       | <b>For implementation July<br/>2021</b> |

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# 845 Price Authorization Acknowledgment/Status - Canada

## Functional Group=PA

**Purpose:** This X12 Transaction Set contains the format and establishes the data content of the Price Authorization Acknowledgment/Status Transaction Set (845) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used by a vendor or manufacturer to transmit specific data relative to the status of or changes to outstanding price authorizations.

### User Note 1:

This 845 Price Authorization Acknowledgment/Status implementation guideline is for use in Canada.

### 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> | <u>Page</u> |
|---------------------|-----------|---|------------|----------------|---------------|--------------|--------------|-------------|
| 0100                | ST        | Transaction Set Header  | M          | 1              |               |              | Must use     | 4           |
| 0200                | BPA       | Beginning Segment for<br>Price Authorization<br>Acknowledgment/Status | M          | 1              |               |              | Must use     | 5           |
| 0250                | CUR       | Currency  | O          | 1              |               |              | Used         | 6           |
| * 0300              | NTE       | Note/Special Instruction  | O          | 10             |               |              |              | N/A         |
| * 0400              | REF       | Reference Information   | O          | 12             |               |              |              | N/A         |
| * 0500              | PER       | Administrative<br>Communications Contact                              | O          | 3              |               |              |              | N/A         |
| 0600                | DTM       | Date/Time Reference   | O          | 10             |               |              | Used         | 7           |
| <b>LOOP ID - N1</b> |           |   |            |                | <b>10000</b>  |              |              | 8           |
| 0700                | N1        | Party Identification  | O          | 1              |               |              | Used         | 9           |
| * 0800              | N2        | Additional Name<br>Information  | O          | 2              |               |              |              | N/A         |
| 0900                | N3        | Party Location  | O          | 2              |               |              | Used         | 11          |
| 1000                | N4        | Geographic Location   | O          | 1              |               |              | Used         | 12          |
| * 1100              | REF       | Reference Information   | O          | 12             |               |              |              | N/A         |
| 1200                | PER       | Administrative<br>Communications Contact                              | O          | 3              |               |              | Used         | 13          |
| * 1300              | DTM       | Date/Time Reference   | O          | 10             |               |              |              | N/A         |

### 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> | <u>Page</u> |
|----------------------|-----------|--|------------|----------------|---------------|--------------|--------------|-------------|
| <b>LOOP ID - CON</b> |           |  |            |                | <b>10000</b>  |              |              | 14          |
| 0100                 | CON       | Contract Number Detail                   | M          | 1              |               |              | Must use     | 15          |
| 0200                 | REF       | Reference Information                    | O          | >1             |               |              | Used         | 16          |
| * 0300               | PER       | Administrative<br>Communications Contact | O          | 3              |               |              |              | N/A         |
| 0400                 | DTM       | Date/Time Reference                      | O          | 10             |               |              | Used         | 18          |
| * 0450               | CTB       | Restrictions/Conditions                  | O          | 10             |               |              |              | N/A         |
| * 0460               | ITD       | Terms of Sale/Deferred<br>Terms of Sale  | O          | >1             |               |              |              | N/A         |
| <b>LOOP ID - N1</b>  |           |  |            |                | <b>&gt;1</b>  |              |              | 19          |
| 0500                 | N1        | Party Identification                     | O          | 1              |               |              | Used         | 20          |

| <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> | <u>Page</u> |
|------------------------|-----------|---------------------------------------|------------|----------------|---------------|--------------|--------------|-------------|
| 0600                   | N2        | Additional Name Information           | O          | 2              |               |              | Used         | 22          |
| 0700                   | N3        | Party Location                        | O          | 2              |               |              | Used         | 23          |
| 0800                   | N4        | Geographic Location                   | O          | 1              |               |              | Used         | 24          |
| * 0900                 | REF       | Reference Information                 | O          | 12             |               |              |              | N/A         |
| * 1000                 | PER       | Administrative Communications Contact | O          | 3              |               |              |              | N/A         |
| 1100                   | DTM       | Date/Time Reference                   | O          | 2              |               |              | Used         | 25          |
| * 1150                 | CTB       | Restrictions/Conditions               | O          | 25             |               |              |              | N/A         |
| <b>LOOP ID - PAD</b>   |           |                                       |            |                |               | <b>≥1</b>    |              | 26          |
| 1200                   | PAD       | Product Adjustment Detail             | O          | 1              |               |              | Used         | 27          |
| * 1300                 | CTB       | Restrictions/Conditions               | O          | 10             |               |              |              | N/A         |
| 1400                   | PID       | Product/Item Description              | O          | 200            |               |              | Used         | 28          |
| * 1500                 | MEA       | Measurements                          | O          | 40             |               |              |              | N/A         |
| 1600                   | UIT       | Unit Detail                           | O          | 20             |               |              | Used         | 29          |
| * 1700                 | QTY       | Quantity Information                  | O          | 5              |               |              |              | N/A         |
| * 1800                 | AMT       | Monetary Amount Information           | O          | 5              |               | N2/1800      |              | N/A         |
| * 1900                 | CUR       | Currency                              | O          | 1              |               |              |              | N/A         |
| * 2000                 | SSS       | Product Special Services              | O          | 1              |               |              |              | N/A         |
| * 2100                 | SHP       | Shipped/Received Information          | O          | 1              |               |              |              | N/A         |
| 2200                   | DTM       | Date/Time Reference                   | O          | 2              |               |              | Used         | 30          |
| <b>LOOP ID - LIN</b>   |           |                                       |            |                |               | <b>1</b>     |              | 31          |
| 2300                   | LIN       | Item Identification                   | O          | 1              |               |              | Must use     | 32          |
| * 2350                 | G53       | Maintenance Type                      | O          | 1              |               |              |              | N/A         |
| * 2400                 | SLN       | Subline Item Detail                   | O          | 100            |               |              |              | N/A         |
| <b>* LOOP ID - N1</b>  |           |                                       |            |                |               | <b>10000</b> |              | N/A         |
| 2500                   | N1        | Party Identification                  | O          | 1              |               |              |              | N/A         |
| 2600                   | N2        | Additional Name Information           | O          | 2              |               |              |              | N/A         |
| 2700                   | N3        | Party Location                        | O          | 2              |               |              |              | N/A         |
| 2800                   | N4        | Geographic Location                   | O          | 1              |               |              |              | N/A         |
| 2900                   | DTM       | Date/Time Reference                   | O          | 10             |               |              |              | N/A         |
| 3000                   | CTB       | Restrictions/Conditions               | O          | 25             |               |              |              | N/A         |
| <b>* LOOP ID - CTP</b> |           |                                       |            |                |               | <b>≥1</b>    |              | N/A         |
| 3100                   | CTP       | Pricing Information                   | O          | 1              |               |              |              | N/A         |
| 3200                   | DTM       | Date/Time Reference                   | O          | 10             |               |              |              | N/A         |
| 3300                   | CTB       | Restrictions/Conditions               | O          | 25             |               |              |              | N/A         |
| <b>LOOP ID - N1</b>    |           |                                       |            |                |               | <b>10000</b> |              | N/A         |
| 3400                   | N1        | Party Identification                  | O          | 1              |               |              |              | N/A         |
| 3500                   | N2        | Additional Name Information           | O          | 2              |               |              |              | N/A         |
| 3600                   | N3        | Party Location                        | O          | 2              |               |              |              | N/A         |
| 3700                   | N4        | Geographic Location                   | O          | 1              |               |              |              | N/A         |

| <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> | <u>Page</u> |
|------------|-----------|-------------------------|------------|----------------|---------------|--------------|--------------|-------------|
| 3800       | DTM       | Date/Time Reference     | O          | 10             |               |              |              | N/A         |
| 3900       | CTB       | Restrictions/Conditions | O          | 25             |               |              |              | N/A         |

**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> | <u>Page</u> |
|------------|-----------|-------------------------|------------|----------------|---------------|--------------|--------------|-------------|
| 0100       | CTT       | Transaction Totals      | M          | 1              |               | N3/0100      | Must use     | 34          |
| 0200       | SE        | Transaction Set Trailer | M          | 1              |               |              | Must use     | 35          |

**Notes:**

- 2/1800 The AMT segment is to be used only in cases where the amount cannot be computed from other detail.
- 3/0100 Number of line items (CTT01) is the accumulation of the number of CON segments. If used, hash total (CTT02) is the sum of the quantities (QTY02) for each QTY segment.

# 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 identifying a Transaction Set

**User Note 1:** 845 Price Authorization Acknowledgment/Status - Canada

**Code List Summary** (Total Codes: 323, Included: 1)

**Code Name**

845 Price Authorization Acknowledgment/Status

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

# BPA Beginning Segment for Price Authorization Acknowledgment/Status

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

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

**Purpose:** To identify the beginning of a Price Authorization Acknowledgment/Status 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> |
|------------|-----------|------------------------------|------------|-------------|----------------|--------------|
| BPA01      | 353       | Transaction Set Purpose Code | M          | ID          | 2/2            | Must use     |

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

**Code List Summary** (Total Codes: 76, Included: 6)

### Code Name

00 Original  
02 Add  
03 Delete  
04 Change  
05 Replace

#### **User Note 1:**

This code identifies this transaction as a full replacement of the original (00) document.

22 Information Copy

|       |     |      |   |    |     |          |
|-------|-----|------|---|----|-----|----------|
| BPA02 | 373 | Date | M | DT | 8/8 | Must use |
|-------|-----|------|---|----|-----|----------|

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

|       |     |                                    |   |    |     |      |
|-------|-----|------------------------------------|---|----|-----|------|
| BPA03 | 128 | Reference Identification Qualifier | X | ID | 2/3 | Used |
|-------|-----|------------------------------------|---|----|-----|------|

**Description:** Code identifying the Reference Identification

**Code List Summary** (Total Codes: 1904, Included: 2)

### Code Name

CT Contract Number  
DD Document Identification Code

|       |     |                          |   |    |      |      |
|-------|-----|--------------------------|---|----|------|------|
| BPA04 | 127 | Reference Identification | X | AN | 1/80 | Used |
|-------|-----|--------------------------|---|----|------|------|

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

## Syntax Rules:

1. P0304 - If either BPA03 or BPA04 is present, then the other is required.

## Semantics:

1. BPA02 is the price authorization status date.
2. BPA05 is the price authorization status time.

# CUR Currency

|                    |             |
|--------------------|-------------|
| Pos: 0250          | 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

**Code List Summary** (Total Codes: 1538, Included: 1)

**Code Name**

BY Buying Party (Purchaser)

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

**Description:** Code specifying the Standard ISO code 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.



# DTM Date/Time Reference

|                    |             |
|--------------------|-------------|
| Pos: 0600          | Max: 10     |
| Heading - Optional |             |
| Loop: N/A          | Elements: 2 |

**User Option (Usage):** Used

**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       | <b>Date/Time Qualifier</b> | M          | ID          | 3/3            | Must use     |

**Description:** Code specifying type of date or time, or both date and time

**Code List Summary** (Total Codes: 1343, Included: 4)

**Code Name**

|     |                           |
|-----|---------------------------|
| 092 | Contract Effective        |
| 093 | Contract Expiration       |
| 124 | Group Contract Effective  |
| 125 | Group Contract Expiration |

|       |     |             |   |    |     |      |
|-------|-----|-------------|---|----|-----|------|
| DTM02 | 373 | <b>Date</b> | X | DT | 8/8 | Used |
|-------|-----|-------------|---|----|-----|------|

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

## Syntax Rules:

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

# Loop Party Identification

|                  |                      |
|------------------|----------------------|
| <b>Pos: 0700</b> | <b>Repeat: 10000</b> |
| <b>Optional</b>  |                      |
| <b>Loop: N1</b>  | <b>Elements: N/A</b> |

**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> |
|------------|-----------|---------------------------------------|------------|----------------|---------------|--------------|
| 0700       | N1        | Party Identification                  | O          | 1              |               | Used         |
| 0900       | N3        | Party Location                        | O          | 2              |               | Used         |
| 1000       | N4        | Geographic Location                   | O          | 1              |               | Used         |
| 1200       | PER       | Administrative Communications Contact | O          | 3              |               | Used         |

# N1 Party Identification

|                    |             |
|--------------------|-------------|
| Pos: 0700          | Max: 1      |
| Heading - Optional |             |
| Loop: N1           | Elements: 4 |

**User Option (Usage):** Used

**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        | <b>Entity Identifier Code</b> | M          | ID          | 2/3            | Must use     |

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

**Code List Summary** (Total Codes: 1538, Included: 4)

### Code Name

BG Buying Group  
DS Distributor  
EP Eligible Party to the Rate  
SU Supplier/Manufacturer

|      |    |             |   |    |      |      |
|------|----|-------------|---|----|------|------|
| N102 | 93 | <b>Name</b> | X | AN | 1/60 | Used |
|------|----|-------------|---|----|------|------|

**Description:** Free-form name

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

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

**Code List Summary** (Total Codes: 259, Included: 8)

### Code Name

1 D-U-N-S Number, Dun & Bradstreet  
9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix  
11 Drug Enforcement Administration (DEA)  
21 Health Industry Number (HIN)  
91 Assigned by Seller or Seller's Agent  
92 Assigned by Buyer or Buyer's Agent  
UL Global Location Number (GLN)

**Description:** A globally unique 13 digit code used for the identification of any physical or legal location that needs to be uniquely identified for use in the supply chain. A GS1 identification key

### **User Note 1:**

See External Code Source 583.

UM GS1 Global Location Number with Extension Component

**Description:** A globally unique 13-digit code with a one to twenty character extension component used, for the identification of a legal or physical location

|      |    |                            |   |    |      |      |
|------|----|----------------------------|---|----|------|------|
| N104 | 67 | <b>Identification Code</b> | 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

|                           |                    |
|---------------------------|--------------------|
| <b>Pos: 0900</b>          | <b>Max: 2</b>      |
| <b>Heading - Optional</b> |                    |
| <b>Loop: N1</b>           | <b>Elements: 2</b> |

**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: 1000          | Max: 1      |
| Heading - Optional |             |
| Loop: N1           | Elements: 5 |

**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>   | O          | AN          | 2/30           | Used         |
|            |           | <b>Description:</b> Free-form text for city name   |            |             |                |              |
| N402       | 156       | <b>State or Province Code</b>  | X          | ID          | 2/2            | Used         |
|            |           | <b>Description:</b> Code specifying the Standard State/Province as defined by appropriate government agency                      |            |             |                |              |
| N403       | 116       | <b>Postal Code</b>   | X          | ID          | 3/15           | Used         |
|            |           | <b>Description:</b> Code specifying international postal zone code excluding punctuation and blanks (zip code for United States) |            |             |                |              |
| N404       | 26        | <b>Country Code</b>  | X          | ID          | 2/3            | Used         |
|            |           | <b>Description:</b> Code identifying the country   |            |             |                |              |
| N408       | 1702      | <b>Postal Code-Formatted</b>   | X          | AN          | 3/20           | Used         |
|            |           | <b>Description:</b> A postal code value including punctuation, blanks and other characters as defined by the postal authority    |            |             |                |              |

## Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. E0308 - Only one of N403 or N408 may be present.
3. C0605 - If N406 is present, then N405 is required.
4. 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. N403 contains the postal code in an unstructured format. N408 contains the postal code in a structured format. When a postal code data field is used, the parties shall agree as to which data element (N403 or N408) shall be used in the transaction set.

# PER Administrative Communications Contact

|                    |             |
|--------------------|-------------|
| Pos: 1200          | Max: 3      |
| 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       | Contact Function Code | M          | ID          | 2/2            | Must use     |

**Description:** Code identifying the major duty or responsibility of the person or group named

**Code List Summary** (Total Codes: 242, Included: 1)

**Code Name**

CD Contract Contact

|       |    |      |   |    |      |      |
|-------|----|------|---|----|------|------|
| PER02 | 93 | Name | O | AN | 1/60 | Used |
|-------|----|------|---|----|------|------|

**Description:** Free-form name

|       |     |                                |   |    |     |      |
|-------|-----|--------------------------------|---|----|-----|------|
| PER03 | 365 | Communication Number Qualifier | X | ID | 2/2 | Used |
|-------|-----|--------------------------------|---|----|-----|------|

**Description:** Code identifying the type of communication number

**Code List Summary** (Total Codes: 96, Included: 4)

**Code Name**

EA Internet Email Address

**Description:** Internet based electronic mail address with a structure of "ADDRESSEE @ DOMAIN NAME . DOMAIN NAME EXTENSION"

EM Electronic Mail

FX Facsimile

TE Telephone

|       |     |                      |   |    |        |      |
|-------|-----|----------------------|---|----|--------|------|
| PER04 | 364 | Communication Number | X | AN | 1/2048 | Used |
|-------|-----|----------------------|---|----|--------|------|

**Description:** Complete communications number including country or area code when applicable

## 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.

# Loop Contract Number Detail

Pos: 0100 Repeat: 10000  
Mandatory  
Loop: CON Elements: N/A

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

**Purpose:** To specify contract or reference number and status

## 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       | CON       | Contract Number Detail | M          | 1              |               | Must use     |
| 0200       | REF       | Reference Information  | O          | >1             |               | Used         |
| 0400       | DTM       | Date/Time Reference    | O          | 10             |               | Used         |
| 0500       |           | Loop N1                | O          |                | >1            | Used         |
| 1200       |           | Loop PAD               | O          |                | >1            | Used         |



# CON Contract Number Detail

|                    |             |
|--------------------|-------------|
| Pos: 0100          | Max: 1      |
| Detail - Mandatory |             |
| Loop: CON          | Elements: 3 |

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

**Purpose:** To specify contract or reference number and status

## 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> |
|------------|-----------|------------------------------------|------------|-------------|----------------|--------------|
| CON01      | 128       | Reference Identification Qualifier | M          | ID          | 2/3            | Must use     |

**Description:** Code identifying the Reference Identification

**Code List Summary** (Total Codes: 1904, Included: 1)

**Code Name**

VC Vendor Contract Number

|       |     |                          |   |    |      |          |
|-------|-----|--------------------------|---|----|------|----------|
| CON02 | 127 | Reference Identification | M | AN | 1/80 | Must use |
|-------|-----|--------------------------|---|----|------|----------|

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

|       |     |                      |   |    |     |          |
|-------|-----|----------------------|---|----|-----|----------|
| CON03 | 846 | Contract Status Code | M | ID | 2/2 | Must use |
|-------|-----|----------------------|---|----|-----|----------|

**Description:** Code specifying the current status of the contract

**Code List Summary** (Total Codes: 39, Included: 5)

**Code Name**

CC Contract Cancelled

CM Contract Modified

CR Contract Renewed

OC Original Contract

VA Valid Open Contract

# REF Reference Information

|                   |             |
|-------------------|-------------|
| Pos: 0200         | Max: >1     |
| Detail - Optional |             |
| Loop: CON         | Elements: 4 |

**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       | <b>Reference Identification Qualifier</b> | M          | ID          | 2/3            | Must use     |

**Description:** Code identifying the Reference Identification

**Code List Summary** (Total Codes: 1904, Included: 4)

**Code Name**

|    |  |
|----|--|
| 01 | American Bankers Assoc. (ABA) Transit/Routing Number (Including Check Digit, 9 Digits) |
| 03 | Clearing House Interbank Payment System (CHIPS) Participant Number (3 or 4 Digits)     |
| 05 | Clearing House Interbank Payment System (CHIPS) User Identification (6 digits)         |
| YB | Revision Number  |

|       |     |                                 |   |    |      |      |
|-------|-----|---------------------------------|---|----|------|------|
| REF02 | 127 | <b>Reference Identification</b> | X | AN | 1/80 | Used |
|-------|-----|---------------------------------|---|----|------|------|

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

|       |     |                    |   |    |      |      |
|-------|-----|--------------------|---|----|------|------|
| REF03 | 352 | <b>Description</b> | X | AN | 1/80 | Used |
|-------|-----|--------------------|---|----|------|------|

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

|       |      |                             |   |      |  |      |
|-------|------|-----------------------------|---|------|--|------|
| REF04 | C040 | <b>Reference Identifier</b> | O | Comp |  | Used |
|-------|------|-----------------------------|---|------|--|------|

**Description:** To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier

**Syntax:**

1. P0304 - If either C04003 or C04004 is present, then the other is required.
2. P0506 - If either C04005 or C04006 is present, then the other is required.

|          |     |   |   |    |     |          |
|----------|-----|---|---|----|-----|----------|
| REF04-01 | 128 | <b>Reference Identification Qualifier</b> | M | ID | 2/3 | Must use |
|----------|-----|---|---|----|-----|----------|

**Description:** Code identifying the Reference Identification

**Code List Summary** (Total Codes: 1904, Included: 1)

**Code Name**

|    |                 |
|----|-----------------|
| YB | Revision Number |
|----|-----------------|

|          |     |                                 |   |    |      |          |
|----------|-----|---------------------------------|---|----|------|----------|
| REF04-02 | 127 | <b>Reference Identification</b> | M | AN | 1/80 | Must use |
|----------|-----|---------------------------------|---|----|------|----------|

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

|          |     |   |   |    |     |      |
|----------|-----|---|---|----|-----|------|
| REF04-03 | 128 | <b>Reference Identification Qualifier</b> | X | ID | 2/3 | Used |
|----------|-----|---|---|----|-----|------|

**Description:** Code identifying the Reference Identification

**Code List Summary** (Total Codes: 1904, Included: 1)

**Code Name**

|    |                 |
|----|-----------------|
| YB | Revision Number |
|----|-----------------|

|   |     |   |   |    |      |      |
|---|-----|---|---|----|------|------|
| REF04-04  | 127 | <b>Reference Identification</b>           | X | AN | 1/80 | Used |
| <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier |     |   |   |    |      |      |
| REF04-05  | 128 | <b>Reference Identification Qualifier</b> | X | ID | 2/3  | Used |
| <b>Description:</b> Code identifying the Reference Identification   |     |   |   |    |      |      |
| <b>Code List Summary</b> (Total Codes: 1904, Included: 1)   |     |   |   |    |      |      |
| <b>Code Name</b>  |     |   |   |    |      |      |
| YB Revision Number  |     |   |   |    |      |      |
| REF04-06  | 127 | <b>Reference Identification</b>           | X | AN | 1/80 | Used |
| <b>Description:</b> 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.

# DTM Date/Time Reference

|                   |             |
|-------------------|-------------|
| Pos: 0400         | Max: 10     |
| Detail - Optional |             |
| Loop: CON         | Elements: 2 |

**User Option (Usage):** Used

**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       | <b>Date/Time Qualifier</b> | M          | ID          | 3/3            | Must use     |

**Description:** Code specifying type of date or time, or both date and time

**Code List Summary** (Total Codes: 1343, Included: 4)

**Code Name**

|     |                           |
|-----|---------------------------|
| 092 | Contract Effective        |
| 093 | Contract Expiration       |
| 124 | Group Contract Effective  |
| 125 | Group Contract Expiration |

|       |     |             |   |    |     |      |
|-------|-----|-------------|---|----|-----|------|
| DTM02 | 373 | <b>Date</b> | X | DT | 8/8 | Used |
|-------|-----|-------------|---|----|-----|------|

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

## Syntax Rules:

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

# Loop Party Identification

|           |               |
|-----------|---------------|
| Pos: 0500 | Repeat: >1    |
| 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> |
|------------|-----------|-----------------------------|------------|----------------|---------------|--------------|
| 0500       | N1        | Party Identification        | O          | 1              |               | Used         |
| 0600       | N2        | Additional Name Information | O          | 2              |               | Used         |
| 0700       | N3        | Party Location              | O          | 2              |               | Used         |
| 0800       | N4        | Geographic Location         | O          | 1              |               | Used         |
| 1100       | DTM       | Date/Time Reference         | O          | 2              |               | Used         |

# N1 Party Identification

|                   |             |
|-------------------|-------------|
| Pos: 0500         | Max: 1      |
| Detail - Optional |             |
| Loop: N1          | Elements: 4 |

**User Option (Usage):** Used**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        | <b>Entity Identifier Code</b> | M          | ID          | 2/3            | Must use     |

**Description:** Code identifying an organizational entity, a physical location, property or an individual**Code List Summary** (Total Codes: 1538, Included: 4)**Code Name**

|    |                            |
|----|----------------------------|
| BG | Buying Group               |
| DS | Distributor                |
| EP | Eligible Party to the Rate |
| SU | Supplier/Manufacturer      |

|      |    |             |   |    |      |      |
|------|----|-------------|---|----|------|------|
| N102 | 93 | <b>Name</b> | X | AN | 1/60 | Used |
|------|----|-------------|---|----|------|------|

**Description:** Free-form name

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

**Description:** Code specifying the system/method of code structure used for Identification Code (67)**Code List Summary** (Total Codes: 259, Included: 8)**Code Name**

|    |  |
|----|--|
| 1  | D-U-N-S Number, Dun & Bradstreet                     |
| 9  | D-U-N-S+4, D-U-N-S Number with Four Character Suffix |
| 11 | Drug Enforcement Administration (DEA)                |
| 21 | Health Industry Number (HIN)                         |
| 91 | Assigned by Seller or Seller's Agent                 |
| 92 | Assigned by Buyer or Buyer's Agent                   |
| UL | Global Location Number (GLN)                         |

**Description:** A globally unique 13 digit code used for the identification of any physical or legal location that needs to be uniquely identified for use in the supply chain. A GS1 identification key**User Note 1:**

See External Code Source 583.

UM GS1 Global Location Number with Extension Component

**Description:** A globally unique 13-digit code with a one to twenty character extension component used, for the identification of a legal or physical location

|      |    |                            |   |    |      |      |
|------|----|----------------------------|---|----|------|------|
| N104 | 67 | <b>Identification Code</b> | 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.

# N2 Additional Name Information

|                   |             |
|-------------------|-------------|
| Pos: 0600         | Max: 2      |
| Detail - Optional |             |
| Loop: N1          | Elements: 2 |

**User Option (Usage):** Used

**Purpose:** To specify additional names

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>                | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|------------------------------------|------------|-------------|----------------|--------------|
| N201       | 93        | <b>Name</b>                        | M          | AN          | 1/60           | Must use     |
|            |           | <b>Description:</b> Free-form name |            |             |                |              |
| N202       | 93        | <b>Name</b>                        | O          | AN          | 1/60           | Used         |
|            |           | <b>Description:</b> Free-form name |            |             |                |              |



# N3 Party Location

|                          |                    |
|--------------------------|--------------------|
| <b>Pos: 0700</b>         | <b>Max: 2</b>      |
| <b>Detail - Optional</b> |                    |
| <b>Loop: N1</b>          | <b>Elements: 2</b> |

**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: 0800         | Max: 1      |
| Detail - Optional |             |
| Loop: N1          | Elements: 5 |

**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>   | O          | AN          | 2/30           | Used         |
|            |           | <b>Description:</b> Free-form text for city name   |            |             |                |              |
| N402       | 156       | <b>State or Province Code</b>  | X          | ID          | 2/2            | Used         |
|            |           | <b>Description:</b> Code specifying the Standard State/Province as defined by appropriate government agency                      |            |             |                |              |
| N403       | 116       | <b>Postal Code</b>   | X          | ID          | 3/15           | Used         |
|            |           | <b>Description:</b> Code specifying international postal zone code excluding punctuation and blanks (zip code for United States) |            |             |                |              |
| N404       | 26        | <b>Country Code</b>  | X          | ID          | 2/3            | Used         |
|            |           | <b>Description:</b> Code identifying the country   |            |             |                |              |
| N408       | 1702      | <b>Postal Code-Formatted</b>   | X          | AN          | 3/20           | Used         |
|            |           | <b>Description:</b> A postal code value including punctuation, blanks and other characters as defined by the postal authority    |            |             |                |              |

## Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. E0308 - Only one of N403 or N408 may be present.
3. C0605 - If N406 is present, then N405 is required.
4. 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. N403 contains the postal code in an unstructured format. N408 contains the postal code in a structured format. When a postal code data field is used, the parties shall agree as to which data element (N403 or N408) shall be used in the transaction set.

# DTM Date/Time Reference

|                   |             |
|-------------------|-------------|
| Pos: 1100         | Max: 2      |
| Detail - Optional |             |
| Loop: N1          | Elements: 2 |

**User Option (Usage):** Used

**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       | <b>Date/Time Qualifier</b> | M          | ID          | 3/3            | Must use     |

**Description:** Code specifying type of date or time, or both date and time

**Code List Summary** (Total Codes: 1343, Included: 6)

**Code Name**

- 092 Contract Effective
- 093 Contract Expiration
- 124 Group Contract Effective
- 125 Group Contract Expiration
- 129 Customer Contract Effective
- 130 Customer Contract Expiration

|       |     |             |   |    |     |      |
|-------|-----|-------------|---|----|-----|------|
| DTM02 | 373 | <b>Date</b> | X | DT | 8/8 | Used |
|-------|-----|-------------|---|----|-----|------|

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

## Syntax Rules:

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

# Loop Product Adjustment Detail

Pos: 1200      Repeat: >1  
 Optional  
 Loop: PAD    Elements: N/A

**User Option (Usage):** Used

**Purpose:** To specify the product transfer type, and/or line item number

## 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> |
|------------|-----------|---------------------------|------------|----------------|---------------|--------------|
| 1200       | PAD       | Product Adjustment Detail | O          | 1              |               | Used         |
| 1400       | PID       | Product/Item Description  | O          | 200            |               | Used         |
| 1600       | UIT       | Unit Detail               | O          | 20             |               | Used         |
| 2200       | DTM       | Date/Time Reference       | O          | 2              |               | Used         |
| 2300       |           | Loop LIN                  | O          |                | 1             | Must use     |

# PAD Product Adjustment Detail

|                   |             |
|-------------------|-------------|
| Pos: 1200         | Max: 1      |
| Detail - Optional |             |
| Loop: PAD         | Elements: 2 |

**User Option (Usage):** Used

**Purpose:** To specify the product transfer type, and/or line item 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> |
|------------|-----------|--------------------------------|------------|-------------|----------------|--------------|
| PAD01      | 350       | <b>Assigned Identification</b> | X          | AN          | 1/20           | Used         |

**Description:** Alphanumeric characters assigned for differentiation within a transaction set

|       |     |                                     |   |    |     |      |
|-------|-----|-------------------------------------|---|----|-----|------|
| PAD03 | 670 | <b>Change or Response Type Code</b> | O | ID | 2/2 | Used |
|-------|-----|-------------------------------------|---|----|-----|------|

**Description:** Code specifying the type of change to the line item

**Code List Summary** (Total Codes: 31, Included: 4)

**Code Name**

|    |                        |
|----|------------------------|
| AI | Add Additional Item(s) |
| CT | Change of Dates        |
| DI | Delete Item(s)         |
| PC | Price Change           |

## Syntax Rules:

1. R0102 - At least one of PAD01 or PAD02 is required.
2. P0405 - If either PAD04 or PAD05 is present, then the other is required.

## Semantics:

1. PAD01 is the line item identification.

# PID Product/Item Description

|                   |             |
|-------------------|-------------|
| Pos: 1400         | Max: 200    |
| Detail - Optional |             |
| Loop: PAD         | Elements: 2 |

**User Option (Usage):** Used**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 Code | M          | ID          | 1/1            | Must use     |

**Description:** Code indicating the format of a description**Code List Summary** (Total Codes: 4, Included: 1)**Code Name**

F Free-form

|       |     |             |   |    |      |      |
|-------|-----|-------------|---|----|------|------|
| PID05 | 352 | Description | X | AN | 1/80 | Used |
|-------|-----|-------------|---|----|------|------|

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

1. C0403 - If PID04 is present, then PID03 is required.
2. R040510 - At least one of PID04, PID05 or PID10 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.
4. If PID01 = "A", then PID10 is used. PID05 may also be used to further clarify the condition of the product.

# UIT Unit Detail

|                   |             |
|-------------------|-------------|
| Pos: 1600         | Max: 20     |
| Detail - Optional |             |
| Loop: PAD         | Elements: 3 |

**User Option (Usage):** Used

**Purpose:** To specify item unit 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> |
|------------|-----------|----------------------------------|------------|-------------|----------------|--------------|
| UIT01      | C001      | <b>Composite Unit of Measure</b> | M          | Comp        |                | Must use     |

**Description:** To identify a composite unit of measure

(See Figures Appendix for examples of use)

### Comments:

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

|          |     |   |   |    |     |          |
|----------|-----|---|---|----|-----|----------|
| UIT01-01 | 355 | <b>Unit or Basis for Measurement Code</b> | M | ID | 2/2 | Must use |
|----------|-----|---|---|----|-----|----------|

**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

**Code List Summary** (Total Codes: 925, Included: 1)

### Code Name

EA Each

|       |     |                   |   |   |      |      |
|-------|-----|-------------------|---|---|------|------|
| UIT02 | 212 | <b>Unit Price</b> | X | R | 1/17 | Used |
|-------|-----|-------------------|---|---|------|------|

**Description:** Price per unit of product, service, commodity, etc.

|       |     |                                 |   |    |     |      |
|-------|-----|---------------------------------|---|----|-----|------|
| UIT03 | 639 | <b>Basis of Unit Price Code</b> | O | ID | 2/2 | Used |
|-------|-----|---------------------------------|---|----|-----|------|

**Description:** Code identifying the type of unit price for an item

**Code List Summary** (Total Codes: 101, Included: 1)

### Code Name

CT Contract

## Syntax Rules:

1. C0302 - If UIT03 is present, then UIT02 is required.

# DTM Date/Time Reference

|                   |             |
|-------------------|-------------|
| Pos: 2200         | Max: 2      |
| Detail - Optional |             |
| Loop: PAD         | Elements: 2 |

**User Option (Usage):** Used

**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

**Code List Summary** (Total Codes: 1343, Included: 2)

**Code Name**

- 131 Item Contract Effective
- 132 Item Contract Expiration

|       |     |      |   |    |     |      |
|-------|-----|------|---|----|-----|------|
| DTM02 | 373 | Date | X | DT | 8/8 | Used |
|-------|-----|------|---|----|-----|------|

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

## Syntax Rules:

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



# Loop Item Identification

|           |               |
|-----------|---------------|
| Pos: 2300 | Repeat: 1     |
| Optional  |               |
| Loop: LIN | Elements: N/A |

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

**Purpose:** To specify basic item identification 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> |
|------------|-----------|---------------------|------------|----------------|---------------|--------------|
| 2300       | LIN       | Item Identification | O          | 1              |               | Must use     |

# LIN Item Identification

|                          |                    |
|--------------------------|--------------------|
| <b>Pos: 2300</b>         | <b>Max: 1</b>      |
| <b>Detail - Optional</b> |                    |
| <b>Loop: LIN</b>         | <b>Elements: 4</b> |

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

**Purpose:** To specify basic item identification 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> |
|------------|-----------|-------------------------------------|------------|-------------|----------------|--------------|
| LIN02      | 235       | <b>Product/Service ID Qualifier</b> | M          | ID          | 2/2            | Must use     |

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

**Code List Summary** (Total Codes: 564, Included: 6)

**Code Name**

CA Case

EN GTIN-13

**Description:** A 13-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference and Check Digit used to identify trade items

EO GTIN-8

**Description:** An 8-digit GS1 Identification Key composed of a GS1-8 Prefix, Item Reference, and Check Digit used to identify trade items

UK GTIN-14

**Description:** A 14-digit GS1 Identification Key composed of an Indicator Digit, GS1 Company Prefix, Item Reference and Check Digit used to identify trade items

UP GTIN-12

**Description:** A 12-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items

VC Vendor's (Seller's) Catalog Number

|       |     |                           |   |    |      |          |
|-------|-----|---------------------------|---|----|------|----------|
| LIN03 | 234 | <b>Product/Service ID</b> | M | AN | 1/80 | Must use |
|-------|-----|---------------------------|---|----|------|----------|

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

|       |     |                                     |   |    |     |      |
|-------|-----|-------------------------------------|---|----|-----|------|
| LIN04 | 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)

**Code List Summary** (Total Codes: 564, Included: 6)

**Code Name**

CA Case

EN GTIN-13

**Description:** A 13-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference and Check Digit used to identify trade items

EO GTIN-8

**Description:** An 8-digit GS1 Identification Key composed of a GS1-8 Prefix, Item Reference, and Check Digit used to identify trade items

UK GTIN-14

**Description:** A 14-digit GS1 Identification Key composed of an Indicator Digit, GS1 Company Prefix, Item Reference and Check Digit used to identify trade items

**Code Name**

UP GTIN-12

**Description:** A 12-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items

VC Vendor's (Seller's) Catalog Number

|       |     |                           |   |    |      |      |
|-------|-----|---------------------------|---|----|------|------|
| LIN05 | 234 | <b>Product/Service ID</b> | X | AN | 1/80 | Used |
|-------|-----|---------------------------|---|----|------|------|

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

1. P0405 - If either LIN04 or LIN05 is present, then the other is required.
2. P0607 - If either LIN06 or LIN07 is present, then the other is required.
3. P0809 - If either LIN08 or LIN09 is present, then the other is required.
4. P1011 - If either LIN10 or LIN11 is present, then the other is required.
5. P1213 - If either LIN12 or LIN13 is present, then the other is required.
6. P1415 - If either LIN14 or LIN15 is present, then the other is required.
7. P1617 - If either LIN16 or LIN17 is present, then the other is required.
8. P1819 - If either LIN18 or LIN19 is present, then the other is required.
9. P2021 - If either LIN20 or LIN21 is present, then the other is required.
10. P2223 - If either LIN22 or LIN23 is present, then the other is required.
11. P2425 - If either LIN24 or LIN25 is present, then the other is required.
12. P2627 - If either LIN26 or LIN27 is present, then the other is required.
13. P2829 - If either LIN28 or LIN29 is present, then the other is required.
14. P3031 - If either LIN30 or LIN31 is present, then the other is required.

**Semantics:**

1. LIN01 is the line item identification

**Comments:**

1. See the Data Dictionary for a complete list of IDs.
2. LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., ISBN No., Model No., or SKU.

# CTT Transaction Totals

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

**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

|       |     |            |   |   |      |      |
|-------|-----|------------|---|---|------|------|
| CTT02 | 347 | Hash Total | O | R | 1/10 | Used |
|-------|-----|------------|---|---|------|------|

**Description:** Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.

Example:-.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. 18E2 Fifth occurrence of value being hashed.----- 1873 Hash Total

## 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: 0200           | 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        | Number of Included Segments | M          | N0          | 1/10           | Must use     |

**Description:** Total number of segments included in a transaction set including ST and SE segments

|      |     |                                |   |    |     |          |
|------|-----|--------------------------------|---|----|-----|----------|
| SE02 | 329 | Transaction Set Control Number | M | AN | 4/9 | Must use |
|------|-----|--------------------------------|---|----|-----|----------|

**Description:** Identifying control 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.