**Health Industry Business Communications Council - eBusiness Committee**

# 840 Request for Quotation

**Functional Group ID=RQ**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Request for Quotation Transaction Set (840) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide potential buyers with the ability to solicit price, delivery schedule, and other items from potential sellers of goods and services.

## Heading:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| M | 010 | ST | Transaction Set Header | M | 1 | | |
| M | 020 | BQT | Beginning Segment for Request for Quotation | M | 1 | | |
| Not Used | 040 | CUR | Currency | O | 1 | | |
| Not Used | 050 | REF | Reference Identification | O | >1 | | |
| Not Used | 060 | PER | Administrative Communications Contact | O | 3 | | |
| Not Used | 070 | TAX | Tax Reference | O | 3 | | |
| | 080 | FOB | F.O.B. Related Instructions | O | >1 | | |
| Not Used | 090 | CTP | Pricing Information | O | >1 | | |
| Not Used | 095 | PAM | Period Amount | O | 10 | | |
| Not Used | 110 | CSH | Sales Requirements | O | 25 | | |
| | 120 | SAC | Service, Promotion, Allowance, or Charge Information | O | 25 | | |
| | 130 | ITD | Terms of Sale/Deferred Terms of Sale | O | 5 | | |
| Not Used | 140 | DIS | Discount Detail | O | 20 | | |
| | 150 | DTM | Date/Time Reference | O | 10 | | |
| Not Used | 160 | LDT | Lead Time | O | 12 | | |
| Not Used | 180 | LIN | Item Identification | O | 5 | | n1 |
| Not Used | 190 | PID | Product/Item Description | O | 200 | | |
| Not Used | 200 | MEA | Measurements | O | 40 | | |
| Not Used | 210 | PWK | Paperwork | O | 25 | | |
| Not Used | 220 | PKG | Marking, Packaging, Loading | O | 200 | | |
| Not Used | 230 | TD1 | Carrier Details (Quantity and Weight) | O | 2 | | |
| Not Used | 240 | TD5 | Carrier Details (Routing Sequence/Transit Time) | O | 12 | | |
| Not Used | 250 | TD3 | Carrier Details (Equipment) | O | 12 | | |
| Not Used | 260 | TD4 | Carrier Details (Special Handling, or Hazardous Materials, or Both) | O | 5 | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| Not Used | 270 | MAN | Marks and Numbers | O | 10 | |
| Not Used | 280 | RRA | Required Response | O | 100 | |
| Not Used | 285 | CTB | Restrictions/Conditions | O | >1 | |

| | | | LOOP ID - N9 | | | 1000 |
|---|---|---|---|---|---|---|
| | 290 | N9 | Reference Identification | O | 1 | |
| Not Used | 295 | DTM | Date/Time Reference | O | >1 | |
| Not Rec | 300 | MSG | Message Text | O | 1000 | |

| | | | LOOP ID - N1 | | | 10000 |
|---|---|---|---|---|---|---|
| | 310 | N1 | Name | O | 1 | |
| Not Used | 320 | N2 | Additional Name Information | O | 2 | |
| | 330 | N3 | Address Information | O | 2 | |
| | 340 | N4 | Geographic Location | O | >1 | |
| | 350 | REF | Reference Identification | O | 12 | |
| | 360 | PER | Administrative Communications Contact | O | >1 | |
| Not Used | 365 | SI | Service Characteristic Identification | O | >1 | |
| | 370 | FOB | F.O.B. Related Instructions | O | 1 | |
| Not Used | 380 | TD1 | Carrier Details (Quantity and Weight) | O | 2 | |
| Not Used | 390 | TD5 | Carrier Details (Routing Sequence/Transit Time) | O | 12 | |
| Not Used | 400 | TD3 | Carrier Details (Equipment) | O | 12 | |
| Not Used | 410 | TD4 | Carrier Details (Special Handling, or Hazardous Materials, or Both) | O | 5 | |
| Not Used | 420 | PKG | Marking, Packaging, Loading | O | 200 | |
| Not Used | 430 | RRA | Required Response | O | 25 | |

| | | | LOOP ID - SPI | | | 1 |
|---|---|---|---|---|---|---|
| Not Used | 440 | SPI | Specification Identifier | O | 1 | |
| Not Used | 450 | REF | Reference Identification | O | 5 | |
| Not Used | 460 | DTM | Date/Time Reference | O | 5 | |
| Not Used | 470 | MSG | Message Text | O | 50 | |

| | | | LOOP ID - N1 | | | 20 |
|---|---|---|---|---|---|---|
| Not Used | 490 | N1 | Name | O | 1 | |
| Not Used | 500 | N2 | Additional Name Information | O | 2 | |
| Not Used | 510 | N3 | Address Information | O | 2 | |
| Not Used | 520 | N4 | Geographic Location | O | 1 | |
| Not Used | 530 | REF | Reference Identification | O | 20 | |
| Not Used | 540 | G61 | Contact | O | 1 | |
| Not Used | 550 | MSG | Message Text | O | 50 | |

| | | | LOOP ID - CB1 | | | >1 |
|---|---|---|---|---|---|---|
| Not Used | 560 | CB1 | Contract and Cost Accounting Standards Data | O | 1 | |
| Not Used | 570 | REF | Reference Identification | O | 20 | |
| Not Used | 580 | DTM | Date/Time Reference | O | 5 | |
| Not Used | 590 | LDT | Lead Time | O | 1 | |
| Not Used | 600 | MSG | Message Text | O | 50 | |

| | | | LOOP ID - PCT | | | >1 |
|---|---|---|---|---|---|---|
| Not Used | 610 | PCT | Percent Amounts | O | 1 | |
| Not Used | 620 | AMT | Monetary Amount | O | >1 | |

| | | | LOOP ID - ADV | | | >1 |
|---|---|---|---|---|---|---|
| Not Used | 630 | ADV | Advertising Demographic Information | O | 1 | |
| Not Used | 640 | DTM | Date/Time Reference | O | >1 | |
| Not Used | 650 | MTX | Text | O | >1 | |

**Detail:**

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| | | | **LOOP ID - PO1** | | | 100000 | |
| M | 010 | PO1 | Baseline Item Data | M | 1 | | |
| Not Used | 015 | LIN | Item Identification | O | >1 | | |
| Not Used | 017 | G53 | Maintenance Type | O | 1 | | |
| Not Used | 020 | CUR | Currency | O | 1 | | |
| Not Used | 025 | CN1 | Contract Information | O | 1 | | |
| Not Used | 030 | PO3 | Additional Item Detail | O | 25 | | |
| Not Used | 040 | CTP | Pricing Information | O | >1 | | |
| Not Used | 045 | PAM | Period Amount | O | 10 | | |
| Not Used | 047 | CTB | Restrictions/Conditions | O | >1 | | |
| Not Used | 049 | MEA | Measurements | O | 40 | | |
| | | | **LOOP ID - PID** | | | 1000 | |
| | 050 | PID | Product/Item Description | O | 1 | | |
| Not Used | 060 | MEA | Measurements | O | 10 | | |
| Not Used | 070 | PWK | Paperwork | O | 25 | | |
| Not Used | 080 | PKG | Marking, Packaging, Loading | O | 200 | | |
| Not Used | 090 | PO4 | Item Physical Details | O | >1 | | |
| Not Used | 100 | REF | Reference Identification | O | >1 | | |
| Not Used | 110 | PER | Administrative Communications Contact | O | 3 | | |
| | 130 | SAC | Service, Promotion, Allowance, or Charge Information | O | 25 | | |
| Not Used | 140 | IT8 | Conditions of Sale | O | 25 | | |
| Not Used | 142 | CSH | Sales Requirements | O | >1 | | |
| Not Used | 150 | ITD | Terms of Sale/Deferred Terms of Sale | O | 2 | | |
| Not Used | 160 | DIS | Discount Detail | O | 20 | | |
| Not Used | 170 | TAX | Tax Reference | O | 3 | | |
| | 180 | FOB | F.O.B. Related Instructions | O | >1 | | |
| Not Used | 190 | SDQ | Destination Quantity | O | 50 | | |
| | 200 | DTM | Date/Time Reference | O | 10 | | |
| | 230 | FST | Forecast Schedule | O | >1 | | |
| Not Used | 240 | TD1 | Carrier Details (Quantity and Weight) | O | 1 | | |
| Not Used | 250 | TD5 | Carrier Details (Routing Sequence/Transit Time) | O | 12 | | |
| Not Used | 260 | TD3 | Carrier Details (Equipment) | O | 12 | | |
| Not Used | 270 | TD4 | Carrier Details (Special Handling, or Hazardous Materials, or Both) | O | 5 | | |
| Not Used | 280 | MAN | Marks and Numbers | O | 10 | | |
| Not Used | 290 | RRA | Required Response | O | 25 | | |
| Not Used | 292 | MSG | Message Text | O | 1000 | | |
| Not Used | 293 | SPI | Specification Identifier | O | >1 | | |
| | | | **LOOP ID - QTY** | | | >1 | |
| Not Used | 294 | QTY | Quantity | O | 1 | | |
| Not Used | 295 | SI | Service Characteristic Identification | O | >1 | | |
| | | | **LOOP ID - SCH** | | | 104 | |
| | 296 | SCH | Line Item Schedule | O | 1 | | n2 |
| Not Used | 297 | TD1 | Carrier Details (Quantity and Weight) | O | 2 | | |
| Not Used | 298 | TD5 | Carrier Details (Routing Sequence/Transit Time) | O | 12 | | |
| Not Used | 299 | TD3 | Carrier Details (Equipment) | O | 12 | | |
| | 300 | TD4 | Carrier Details (Special Handling, or Hazardous Materials, or Both) | O | 5 | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| Not Used | 301 | REF | Reference Identification | O | >1 | |
| | | | LOOP ID - LDT | | | >1 |
| Not Used | 302 | LDT | Lead Time | O | 1 | |
| Not Used | 303 | QTY | Quantity | O | >1 | |
| Not Used | 304 | MSG | Message Text | O | 1 | |
| | | | LOOP ID - LM | | | 1 |
| Not Used | 305 | LM | Code Source Information | O | 1 | |
| Not Used | 306 | LQ | Industry Code | M | 1 | |
| | | | LOOP ID - SLN | | | 1000 |
| | 308 | SLN | Subline Item Detail | O | 1 | |
| Not Used | 309 | MSG | Message Text | O | >1 | |
| Not Used | 310 | PID | Product/Item Description | O | 1000 | |
| Not Used | 315 | ADV | Advertising Demographic Information | O | >1 | |
| | | | LOOP ID - QTY | | | >1 |
| Not Used | 316 | QTY | Quantity | O | 1 | |
| Not Used | 317 | SI | Service Characteristic Identification | O | >1 | |
| | | | LOOP ID - N9 | | | 1000 |
| Not Used | 320 | N9 | Reference Identification | O | 1 | |
| Not Used | 325 | DTM | Date/Time Reference | O | >1 | |
| Not Used | 330 | MSG | Message Text | O | 1000 | |
| | | | LOOP ID - N1 | | | >1 |
| Not Used | 340 | N1 | Name | O | 1 | |
| Not Used | 350 | N2 | Additional Name Information | O | 2 | |
| Not Used | 360 | N3 | Address Information | O | 2 | |
| Not Used | 370 | N4 | Geographic Location | O | 1 | |
| Not Used | 375 | QTY | Quantity | O | >1 | |
| Not Used | 380 | REF | Reference Identification | O | 12 | |
| Not Used | 390 | PER | Administrative Communications Contact | O | 3 | |
| Not Used | 395 | SI | Service Characteristic Identification | O | >1 | |
| Not Used | 396 | DTM | Date/Time Reference | O | 1 | |
| Not Used | 400 | FOB | F.O.B. Related Instructions | O | 1 | |
| Not Used | 405 | SCH | Line Item Schedule | O | 200 | |
| Not Used | 410 | TD1 | Carrier Details (Quantity and Weight) | O | 2 | |
| Not Used | 420 | TD5 | Carrier Details (Routing Sequence/Transit Time) | O | 12 | |
| Not Used | 430 | TD3 | Carrier Details (Equipment) | O | 12 | |
| Not Used | 440 | TD4 | Carrier Details (Special Handling, or Hazardous Materials, or Both) | O | 5 | |
| Not Used | 450 | PKG | Marking, Packaging, Loading | O | 200 | |
| Not Used | 460 | RRA | Required Response | O | 25 | |
| Not Used | 465 | CTP | Pricing Information | O | 1 | |
| Not Used | 469 | PAM | Period Amount | O | 10 | |
| | | | LOOP ID - LDT | | | >1 |
| Not Used | 470 | LDT | Lead Time | O | 1 | |
| Not Used | 480 | MAN | Marks and Numbers | O | 10 | |
| Not Used | 490 | QTY | Quantity | O | 5 | |
| Not Used | 500 | MSG | Message Text | O | 1000 | |
| | | | LOOP ID - PCT | | | >1 |
| Not Used | 510 | PCT | Percent Amounts | O | 1 | |
| Not Used | 520 | AMT | Monetary Amount | O | >1 | |

## Summary:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| | 010 | CTT | Transaction Totals | O | 1 | | n3 |
| M | 020 | SE | Transaction Set Trailer | M | 1 | | |

## Transaction Set Notes

1. If segment LIN is used, do not use LIN01.
2. The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used, the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.
3. 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.

| | | | Segment: | **ST** **Transaction Set Header** | | |
|---|---|---|---|---|---|---|

**Segment:** **ST** **Transaction Set Header**
**Position:** 010
**Loop:**
**Level:** Heading
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To indicate the start of a transaction set and to assign a control number
**Syntax Notes:**
**Semantic Notes:** 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).
**Comments:**

**Data Element Summary**

| | Ref.<br>Des. | Data<br>Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **ST01** | **143** | **Transaction Set Identifier Code** | **M** | **ID 3/3** |
| | | | Code uniquely identifying a Transaction Set | | |
| | | | 840                Request for Quotation | | |
| **M** | **ST02** | **329** | **Transaction Set Control Number** | **M** | **AN 4/9** |
| | | | Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | | |

**Segment:** **BQT** **Beginning Segment for Request for Quotation**
**Position:** 020
**Loop:**
**Level:** Heading
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To indicate the beginning of a Request for Quotation Transaction Set and transmit identifying numbers and dates
**Syntax Notes:** 1 If either BQT04 or BQT05 is present, then the other is required.
**Semantic Notes:** 1 BQT03 is the date to be used for reference purposes in an RFQ and a response to RFQ.
**Comments:**

## Data Element Summary

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| M | BQT01 | 353 | **Transaction Set Purpose Code** | M | ID 2/2 |
| | | | Code identifying purpose of transaction set | | |
| | | | 00 Original | | |
| | | | 01 Cancellation | | |
| | | | 04 Change | | |
| | | | 05 Replace | | |
| M | BQT02 | 586 | **Request for Quote Reference Number** | M | AN 1/45 |
| | | | Number assigned by the purchaser to identify his request for quote | | |
| M | BQT03 | 373 | **Date** | M | DT 8/8 |
| | | | Date expressed as CCYYMMDD | | |
| | BQT04 | 374 | **Date/Time Qualifier** | X | ID 3/3 |
| | | | Code specifying type of date or time, or both date and time | | |
| | | | 106 Required By | | |
| | BQT05 | 373 | **Date** | X | DT 8/8 |
| | | | Date expressed as CCYYMMDD | | |
| | BQT07 | 960 | **Request for Quote Type Code** | O | ID 2/2 |
| | | | Code specifying the type of request for quote | | |
| | | | 01 Request For Quote | | |
| | | | 03 Invitation for Bid | | |
| | | | 04 Request for Proposal | | |

| | **Segment:** | **FOB** F.O.B. Related Instructions |
|---|---|---|
| | **Position:** | 080 |
| | **Loop:** | |
| | **Level:** | Heading |
| | **Usage:** | Optional |
| | **Max Use:** | >1 |
| | **Purpose:** | To specify transportation instructions relating to shipment |
| | **Syntax Notes:** | 1  If FOB03 is present, then FOB02 is required. |
| | | 2  If FOB04 is present, then FOB05 is required. |
| | | 3  If FOB07 is present, then FOB06 is required. |
| | | 4  If FOB08 is present, then FOB09 is required. |
| | **Semantic Notes:** | 1  FOB01 indicates which party will pay the carrier. |
| | | 2  FOB02 is the code specifying transportation responsibility location. |
| | | 3  FOB06 is the code specifying the title passage location. |
| | | 4  FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07. |
| | **Comments:** | |

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| M | FOB01 | 146 | **Shipment Method of Payment** | M | ID 2/2 |

Code identifying payment terms for transportation charges

| | |
|---|---|
| BP | Paid by Buyer |
| | The buyer agrees to the transportation payment term requiring the buyer to pay transportation charges to a specified location (origin or destination location) |
| FO | FOB Port of Call |
| PC | Prepaid but Charged to Customer |
| PP | Prepaid (by Seller) |

| | **Segment:** | **SAC** Service, Promotion, Allowance, or Charge Information |

**Segment:** SAC Service, Promotion, Allowance, or Charge Information
**Position:** 120
**Loop:**
**Level:** Heading
**Usage:** Optional
**Max Use:** 25
**Purpose:** To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

**Syntax Notes:**
1. At least one of SAC02 or SAC03 is required.
2. If either SAC03 or SAC04 is present, then the other is required.
3. If either SAC06 or SAC07 is present, then the other is required.
4. If either SAC09 or SAC10 is present, then the other is required.
5. If SAC11 is present, then SAC10 is required.
6. If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. If SAC14 is present, then SAC13 is required.
8. If SAC16 is present, then SAC15 is required.

**Semantic Notes:**
1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
   If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
3. SAC08 is the allowance or charge rate per unit.
4. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
   SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
5. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
6. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
7. SAC16 is used to identify the language being used in SAC15.

**Comments:**
1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| M | SAC01 | 248 | **Allowance or Charge Indicator** | M | ID 1/1 |

Code which indicates an allowance or charge for the service specified

| | | |
|---|---|---|
| A | | Allowance |
| C | | Charge |
| N | | No Allowance or Charge |
| P | | Promotion |
| Q | | Charge Request |
| R | | Allowance Request |
| S | | Service |

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| | SAC02 | 1300 | **Service, Promotion, Allowance, or Charge Code** | X | ID 4/4 |

Code identifying the service, promotion, allowance, or charge

| | SAC03 | 559 | **Agency Qualifier Code** | X | ID 2/2 |
|---|---|---|---|---|---|

Code identifying the agency assigning the code values

| | SAC04 | 1301 | **Agency Service, Promotion, Allowance, or Charge Code** | X | AN 1/10 |
|---|---|---|---|---|---|

Agency maintained code identifying the service, promotion, allowance, or charge

| SAC05 | 610 | **Amount** | O | **N2 1/15** |

Monetary amount

| SAC06 | 378 | **Allowance/Charge Percent Qualifier** | X | **ID 1/1** |

Code indicating on what basis allowance or charge percent is calculated

| | | |
|---|---|---|
| 1 | | Item List Cost |
| 2 | | Item Net Cost |
| 3 | | Discount/Gross |
| 4 | | Discount/Net |
| 5 | | Base Price per Unit |
| 6 | | Base Price Amount |

| SAC07 | 332 | **Percent** | X | **R 1/6** |

Percent expressed as a percent

| SAC08 | 118 | **Rate** | O | **R 1/9** |

Rate expressed in the standard monetary denomination for the currency
specified

| SAC09 | 355 | **Unit or Basis for Measurement Code** | X | **ID 2/2** |

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

| SAC10 | 380 | **Quantity** | X | **R 1/15** |

Numeric value of quantity

| SAC11 | 380 | **Quantity** | O | **R 1/15** |

Numeric value of quantity

| SAC12 | 331 | **Allowance or Charge Method of Handling Code** | O | **ID 2/2** |

Code indicating method of handling for an allowance or charge

| | | |
|---|---|---|
| 01 | | Bill Back |
| 02 | | Off Invoice |
| 04 | | Credit Customer Account |
| 05 | | Charge to be Paid by Vendor |
| 06 | | Charge to be Paid by Customer |

| | | | | |
|---|---|---|---|---|
| **Segment:** | | **ITD** Terms of Sale/Deferred Terms of Sale | | |
| **Position:** | | 130 | | |
| **Loop:** | | | | |
| **Level:** | | Heading | | |
| **Usage:** | | Optional | | |
| **Max Use:** | | 5 | | |
| **Purpose:** | | To specify terms of sale | | |
| **Syntax Notes:** | | 1 | If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required. | |
| | | 2 | If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required. | |
| | | 3 | If ITD09 is present, then at least one of ITD10 or ITD11 is required. | |
| **Semantic Notes:** | | 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. | |

**Data Element Summary**

| Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|
| **ITD01** | 336 | **Terms Type Code** | **O** | **ID 2/2** |
| | | Code identifying type of payment terms | | |
| | | 01 | Basic | |
| | | 02 | End of Month (EOM) | |
| | | 03 | Fixed Date | |
| | | 04 | Deferred or Installment | |
| | | 05 | Discount Not Applicable | |
| | | 06 | Mixed | |
| | | 07 | Extended | |
| | | 08 | Basic Discount Offered | |
| | | 09 | Proximo | |
| | | 10 | Instant | |
| | | 11 | Elective | |
| | | 12 | 10 Days After End of Month (10 EOM) | |
| | | 36 | Contract Basis | |
| | | | Terms are based on contract with vendor | |
| **ITD02** | 333 | **Terms Basis Date Code** | **O** | **ID 1/2** |
| | | Code identifying the beginning of the terms period | | |
| | | 3 | Invoice Date | |
| | | 4 | Specified Date | |
| | | 7 | Effective Date | |
| | | 09 | Purchase Order Date | |
| **ITD03** | 338 | **Terms Discount Percent** | **O** | **R 1/6** |
| | | Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date | | |
| **ITD13** | 765 | **Day of Month** | **X** | **N0 1/2** |
| | | The numeric value of the day of the month between 1 and the maximum day of the month being referenced | | |
| **ITD14** | 107 | **Payment Method Code** | **O** | **ID 1/2** |
| | | Code identifying type of payment procedures | | |
| | | AD | Direct Deposit | |
| | | C | Pay By Check | |
| | | L | Letter of Credit | |
| **ITD15** | 954 | **Percent** | **O** | **R 1/10** |
| | | Percentage expressed as a decimal | | |

| | | | | | |
|---|---|---|---|---|---|
| **Segment:** | **DTM** Date/Time Reference | | | | |

**Segment:** **DTM** Date/Time Reference
**Position:** 150
**Loop:**
**Level:** Heading
**Usage:** Optional
**Max Use:** 10
**Purpose:** To specify pertinent dates and times
**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
**Semantic Notes:**
**Comments:**

## Data Element Summary

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| M | DTM01 | 374 | Date/Time Qualifier | M | ID 3/3 |
| | | | Code specifying type of date or time, or both date and time | | |
| | | | 002 | Delivery Requested | |
| | | | 007 | Effective | |
| | | | 036 | Expiration | |
| | | | | Date coverage expires | |
| | | | 092 | Contract Effective | |
| | | | 093 | Contract Expiration | |
| | DTM02 | 373 | Date | X | DT 8/8 |
| | | | Date expressed as CCYYMMDD | | |

| Segment: | **N9** Reference Identification |
|---|---|
| **Position:** | 290 |
| **Loop:** | N9    Optional |
| **Level:** | Heading |
| **Usage:** | Optional |
| **Max Use:** | 1 |
| **Purpose:** | To transmit identifying information as specified by the Reference Identification Qualifier |
| **Syntax Notes:** | 1    At least one of N902 or N903 is required. |
| | 2    If N906 is present, then N905 is required. |
| | 3    If either C04003 or C04004 is present, then the other is required. |
| | 4    If either C04005 or C04006 is present, then the other is required. |
| **Semantic Notes:** | 1    N906 reflects the time zone which the time reflects. |
| | 2    N907 contains data relating to the value cited in N902. |
| **Comments:** | |

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| M | N901 | 128 | **Reference Identification Qualifier** | **M** | **ID 2/3** |

Code qualifying the Reference Identification

KY          Site Specific Procedures, Terms, and Conditions

A set of procedures, terms, and conditions, applicable to a category of procurement emanating from a specific location, which will be incorporated into all procurement actions in that category by referencing its unique number rather than by incorporating the lengthy details it represents

| | N902 | 127 | **Reference Identification** | **X** | **AN 1/30** |
|---|---|---|---|---|---|

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

| | | | | |
|---|---|---|---|---|
| **Segment:** | | $\text{MSG}$ Message Text | | |
| **Position:** | | 300 | | |
| **Loop:** | | N9        Optional | | |
| **Level:** | | Heading | | |
| **Usage:** | | Optional (Not Recommended) | | |
| **Max Use:** | | 1000 | | |
| **Purpose:** | | To provide a free-form format that allows the transmission of text information | | |
| **Syntax Notes:** | | 1 | If MSG03 is present, then MSG02 is required. | |
| **Semantic Notes:** | | 1 | MSG03 is the number of lines to advance before printing. | |
| **Comments:** | | 1 | MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc. | |
| | | 2 | If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required. | |

**Data Element Summary**

| | Ref.<br>Des. | Data<br>Element | Name | Attributes | |
|---|---|---|---|---|---|
| M | MSG01 | 933 | **Free-Form Message Text** | M | AN 1/264 |
| | | | Free-form message text | | |

| Segment: | **N1** Name |
|---|---|
| **Position:** | 310 |
| **Loop:** | N1      Optional |
| **Level:** | Heading |
| **Usage:** | Optional |
| **Max Use:** | 1 |
| **Purpose:** | To identify a party by type of organization, name, and code |
| **Syntax Notes:** | 1    At least one of N102 or N103 is required. |
| | 2    If either N103 or N104 is present, then the other is required. |
| **Semantic Notes:** | |
| **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. |

### Data Element Summary

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| M | N101 | 98 | **Entity Identifier Code** | M | ID 2/3 |

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

| | |
|---|---|
| BG | Buying Group |
| BY | Buying Party (Purchaser) |
| DS | Distributor |
| EB | Eligible Party To The Contract |
| MF | Manufacturer of Goods |
| ST | Ship To |
| SU | Supplier/Manufacturer |

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| | N102 | 93 | **Name** | X | AN 1/60 |

Free-form name

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| | N103 | 66 | **Identification Code Qualifier** | X | ID 1/2 |

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

| | |
|---|---|
| 1 | D-U-N-S Number, Dun & Bradstreet |
| 2 | Standard Carrier Alpha Code (SCAC) |
| 8 | UCC/EAN Global Product Identification Prefix |
| | The first part of a UCC/EAN Product Identification Code within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system; A globally unique 3 to 10 digit code for the identification of the company assigning the remainder of the ID code, such as U.P.C., EAN-13, SCC-14, EAN-14 or SSCC-18 |
| 9 | D-U-N-S+4, D-U-N-S Number with Four Character Suffix |
| 10 | Department of Defense Activity Address Code (DODAAC) |
| 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 |
| LI | Labeler Identification Code (LIC) |

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| | N104 | 67 | **Identification Code** | X | AN 2/80 |

Code identifying a party or other code

| **Segment:** | **N3** Address Information |
| --- | --- |
| **Position:** | 330 |
| **Loop:** | N1        Optional |
| **Level:** | Heading |
| **Usage:** | Optional |
| **Max Use:** | 2 |
| **Purpose:** | To specify the location of the named party |
| **Syntax Notes:** | |
| **Semantic Notes:** | |
| **Comments:** | |

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
| --- | --- | --- | --- | --- |
| M | N301 | 166 | **Address Information** | M   AN 1/55 |
| | | | Address information | |

**Segment:** # N4 Geographic Location

**Position:** 340
**Loop:** N1      Optional
**Level:** Heading
**Usage:** Optional
**Max Use:** >1
**Purpose:** To specify the geographic place of the named party
**Syntax Notes:**    1    If N406 is present, then N405 is required.
**Semantic Notes:**
**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.

### Data Element Summary

| Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|
| N401 | 19 | **City Name** | O | AN 2/30 |
| | | Free-form text for city name | | |
| N402 | 156 | **State or Province Code** | O | ID 2/2 |
| | | Code (Standard State/Province) as defined by appropriate government agency | | |
| N403 | 116 | **Postal Code** | O | ID 3/15 |
| | | Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | | |

**Segment:** **REF** Reference Identification
**Position:** 350
**Loop:** N1       Optional
**Level:** Heading
**Usage:** Optional
**Max Use:** 12
**Purpose:** To specify identifying information
**Syntax Notes:** 1    At least one of REF02 or REF03 is required.
2    If either C04003 or C04004 is present, then the other is required.
3    If either C04005 or C04006 is present, then the other is required.
**Semantic Notes:** 1    REF04 contains data relating to the value cited in REF02.
**Comments:**


### Data Element Summary

| | Ref.<br>Des. | Data<br>Element | Name | | Attributes |
|---|---|---|---|---|---|
| M | REF01 | 128 | **Reference Identification Qualifier** | M | ID 2/3 |
| | | | Code qualifying the Reference Identification | | |
| | REF02 | 127 | **Reference Identification** | X | AN 1/30 |
| | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | |

| | | Segment: | **PER** Administrative Communications Contact |
|---|---|---|---|

**Segment:** **PER** Administrative Communications Contact
**Position:** 360
**Loop:** N1     Optional
**Level:** Heading
**Usage:** Optional
**Max Use:** >1
**Purpose:** To identify a person or office to whom administrative communications should be directed
**Syntax Notes:** 1   If either PER03 or PER04 is present, then the other is required.
2   If either PER05 or PER06 is present, then the other is required.
3   If either PER07 or PER08 is present, then the other is required.
**Semantic Notes:**
**Comments:**

### Data Element Summary

| | Ref.<br>Des. | Data<br>Element | Name | Attributes | |
|---|---|---|---|---|---|
| M | PER01 | 366 | **Contact Function Code** | M | ID 2/2 |

Code identifying the major duty or responsibility of the person or group named

| | | |
|---|---|---|
| AD | | Accounting Department |
| BD | | Buyer Name or Department |
| CD | | Contract Contact |
| IC | | Information Contact |
| SR | | Sales Representative or Department |

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

Free-form name

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

Code identifying the type of communication number

| | | |
|---|---|---|
| EM | | Electronic Mail |
| FX | | Facsimile |
| TE | | Telephone |

| | | | | |
|---|---|---|---|---|
| PER04 | 364 | **Communication Number** | X | AN 1/80 |

Complete communications number including country or area code when applicable

| | | | | |
|---|---|---|---|---|
| PER05 | 365 | **Communication Number Qualifier** | X | ID 2/2 |

Code identifying the type of communication number

| | | | | |
|---|---|---|---|---|
| PER06 | 364 | **Communication Number** | X | AN 1/80 |

Complete communications number including country or area code when applicable

| | | | | |
|---|---|---|---|---|
| PER07 | 365 | **Communication Number Qualifier** | X | ID 2/2 |

Code identifying the type of communication number

| | | | | |
|---|---|---|---|---|
| PER08 | 364 | **Communication Number** | X | AN 1/80 |

Complete communications number including country or area code when applicable

| Segment: | **FOB** F.O.B. Related Instructions |
|---|---|
| **Position:** | 370 |
| **Loop:** | N1    Optional |
| **Level:** | Heading |
| **Usage:** | Optional |
| **Max Use:** | 1 |
| **Purpose:** | To specify transportation instructions relating to shipment |
| **Syntax Notes:** | 1    If FOB03 is present, then FOB02 is required. |
| | 2    If FOB04 is present, then FOB05 is required. |
| | 3    If FOB07 is present, then FOB06 is required. |
| | 4    If FOB08 is present, then FOB09 is required. |
| **Semantic Notes:** | 1    FOB01 indicates which party will pay the carrier. |
| | 2    FOB02 is the code specifying transportation responsibility location. |
| | 3    FOB06 is the code specifying the title passage location. |
| | 4    FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07. |
| **Comments:** | |

### Data Element Summary

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| M | FOB01 | 146 | **Shipment Method of Payment** | M  ID 2/2 |

        Code identifying payment terms for transportation charges

| | | |
|---|---|---|
| FO | FOB Port of Call |
| PC | Prepaid but Charged to Customer |
| PP | Prepaid (by Seller) |

| Segment: | **PO1** Baseline Item Data |
|---|---|
| **Position:** | 010 |
| **Loop:** | PO1　　Mandatory |
| **Level:** | Detail |
| **Usage:** | Mandatory |
| **Max Use:** | 1 |
| **Purpose:** | To specify basic and most frequently used line item data |
| **Syntax Notes:** | 1　If PO103 is present, then PO102 is required. |
| | 2　If PO105 is present, then PO104 is required. |
| | 3　If either PO106 or PO107 is present, then the other is required. |
| | 4　If either PO108 or PO109 is present, then the other is required. |
| | 5　If either PO110 or PO111 is present, then the other is required. |
| | 6　If either PO112 or PO113 is present, then the other is required. |
| | 7　If either PO114 or PO115 is present, then the other is required. |
| | 8　If either PO116 or PO117 is present, then the other is required. |
| | 9　If either PO118 or PO119 is present, then the other is required. |
| | 10　If either PO120 or PO121 is present, then the other is required. |
| | 11　If either PO122 or PO123 is present, then the other is required. |
| | 12　If either PO124 or PO125 is present, then the other is required. |
| **Semantic Notes:** | |
| **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. |

### Data Element Summary

| Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|
| PO101 | 350 | **Assigned Identification** | O | **AN 1/20** |
| | | Alphanumeric characters assigned for differentiation within a transaction set | | |
| PO102 | 330 | **Quantity Ordered** | X | **R 1/15** |
| | | Quantity ordered | | |
| PO103 | 355 | **Unit or Basis for Measurement Code** | O | **ID 2/2** |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | |
| PO104 | 212 | **Unit Price** | X | **R 1/17** |
| | | Price per unit of product, service, commodity, etc. | | |
| PO105 | 639 | **Basis of Unit Price Code** | O | **ID 2/2** |
| | | Code identifying the type of unit price for an item | | |
| PO106 | 235 | **Product/Service ID Qualifier** | X | **ID 2/2** |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | |

| | | |
|---|---|---|
| CB | Buyer's Catalog Number |
| CG | Commodity Grouping |
| FT | Federal Supply Classification |
| HI | HIBC (Health Care Industry Bar Code) |
| LT | Lot Number |
| MG | Manufacturer's Part Number |
| N1 | National Drug Code in 4-4-2 Format |
| | 4-digit manufacturer ID, 4-digit product ID, 2-digit trade package size |
| N2 | National Drug Code in 5-3-2 Format |
| | 5-digit manufacturer ID, 3-digit product ID, 2-digit trade package size |
| N3 | National Drug Code in 5-4-1 Format |

| | | | | | |
|---|---|---|---|---|---|
| | | | 5-digit manufacturer ID, 4-digit product ID, 1-digit trade package size | | |
| | N4 | | National Drug Code in 5-4-2 Format | | |
| | | | 5-digit manufacturer ID, 4-digit product ID, 2-digit trade package size | | |
| | N5 | | National Health Related Item Code in 5-5 Format | | |
| | N6 | | National Health Related Item Code in 4-6 Format | | |
| | ND | | National Drug Code (NDC) | | |
| | NH | | National Health Related Item Code | | |
| | SI | | Standard Industrial Classification Code | | |
| | SN | | Serial Number | | |
| | UK | | U.P.C./EAN Shipping Container Code (1-2-5-5-1) | | |
| | | | A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit | | |
| | UP | | U.P.C. Consumer Package Code (1-5-5-1) | | |
| | VC | | Vendor's (Seller's) Catalog Number | | |
| | VP | | Vendor's (Seller's) Part Number | | |
| **PO107** | **234** | **Product/Service ID** | | **X** | **AN 1/48** |
| | | Identifying number for a product or service | | | |
| **PO108** | **235** | **Product/Service ID Qualifier** | | **X** | **ID 2/2** |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | |
| **PO109** | **234** | **Product/Service ID** | | **X** | **AN 1/48** |
| | | Identifying number for a product or service | | | |
| **PO110** | **235** | **Product/Service ID Qualifier** | | **X** | **ID 2/2** |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | |
| **PO111** | **234** | **Product/Service ID** | | **X** | **AN 1/48** |
| | | Identifying number for a product or service | | | |
| **PO112** | **235** | **Product/Service ID Qualifier** | | **X** | **ID 2/2** |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | |
| **PO113** | **234** | **Product/Service ID** | | **X** | **AN 1/48** |
| | | Identifying number for a product or service | | | |

| | | | |
|---|---|---|---|
| **Segment:** | **PID** Product/Item Description | | |
| **Position:** | 050 | | |
| **Loop:** | PID     Optional | | |
| **Level:** | Detail | | |
| **Usage:** | Optional | | |
| **Max Use:** | 1 | | |
| **Purpose:** | To describe a product or process in coded or free-form format | | |
| **Syntax Notes:** | 1 | If PID04 is present, then PID03 is required. | |
| | 2 | At least one of PID04 or PID05 is required. | |
| | 3 | If PID07 is present, then PID03 is required. | |
| | 4 | If PID08 is present, then PID04 is required. | |
| | 5 | If PID09 is present, then PID05 is required. | |
| **Semantic Notes:** | 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. | |

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| M | PID01 | 349 | **Item Description Type** | **M   ID 1/1** |
| | | | Code indicating the format of a description | |
| | | | F            Free-form | |
| | | | S            Structured (From Industry Code List) | |
| | | | X            Semi-structured (Code and Text) | |
| | PID05 | 352 | **Description** | **X   AN 1/80** |
| | | | A free-form description to clarify the related data elements and their content | |

| | | | | | |
|---|---|---|---|---|---|
| **Segment:** | **SAC** Service, Promotion, Allowance, or Charge Information | | | | |

| | |
|---|---|
| **Position:** | 130 |
| **Loop:** | PO1 Mandatory |
| **Level:** | Detail |
| **Usage:** | Optional |
| **Max Use:** | 25 |
| **Purpose:** | To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge |
| **Syntax Notes:** | 1 At least one of SAC02 or SAC03 is required. |
| | 2 If either SAC03 or SAC04 is present, then the other is required. |
| | 3 If either SAC06 or SAC07 is present, then the other is required. |
| | 4 If either SAC09 or SAC10 is present, then the other is required. |
| | 5 If SAC11 is present, then SAC10 is required. |
| | 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required. |
| | 7 If SAC14 is present, then SAC13 is required. |
| | 8 If SAC16 is present, then SAC15 is required. |
| **Semantic Notes:** | 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required. |
| | 2 SAC05 is the total amount for the service, promotion, allowance, or charge. |
| | If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence. |
| | 3 SAC08 is the allowance or charge rate per unit. |
| | 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. |
| | SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge. |
| | 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used. |
| | 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion. |
| | 7 SAC16 is used to identify the language being used in SAC15. |
| **Comments:** | 1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02. |
| | 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09. |

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| M | SAC01 | 248 | **Allowance or Charge Indicator** | M | ID 1/1 |
| | | | Code which indicates an allowance or charge for the service specified | | |
| | | | A　　　　　　Allowance | | |
| | | | C　　　　　　Charge | | |
| | | | N　　　　　　No Allowance or Charge | | |
| | | | P　　　　　　Promotion | | |
| | | | Q　　　　　　Charge Request | | |
| | | | R　　　　　　Allowance Request | | |
| | | | S　　　　　　Service | | |
| | SAC02 | 1300 | **Service, Promotion, Allowance, or Charge Code** | X | ID 4/4 |
| | | | Code identifying the service, promotion, allowance, or charge | | |
| | SAC03 | 559 | **Agency Qualifier Code** | X | ID 2/2 |
| | | | Code identifying the agency assigning the code values | | |
| | SAC04 | 1301 | **Agency Service, Promotion, Allowance, or Charge Code** | X | AN 1/10 |
| | | | Agency maintained code identifying the service, promotion, allowance, or charge | | |

| SAC05 | 610 | **Amount** | **O** | **N2 1/15** |
|---|---|---|---|---|

Monetary amount

| SAC06 | 378 | **Allowance/Charge Percent Qualifier** | **X** | **ID 1/1** |
|---|---|---|---|---|

Code indicating on what basis allowance or charge percent is calculated

| | | |
|---|---|---|
| 1 | Item List Cost |
| 2 | Item Net Cost |
| 3 | Discount/Gross |
| 4 | Discount/Net |
| 5 | Base Price per Unit |
| 6 | Base Price Amount |

| SAC07 | 332 | **Percent** | **X** | **R 1/6** |
|---|---|---|---|---|

Percent expressed as a percent

| SAC08 | 118 | **Rate** | **O** | **R 1/9** |
|---|---|---|---|---|

Rate expressed in the standard monetary denomination for the currency specified

| SAC09 | 355 | **Unit or Basis for Measurement Code** | **X** | **ID 2/2** |
|---|---|---|---|---|

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

| SAC10 | 380 | **Quantity** | **X** | **R 1/15** |
|---|---|---|---|---|

Numeric value of quantity

| SAC11 | 380 | **Quantity** | **O** | **R 1/15** |
|---|---|---|---|---|

Numeric value of quantity

| SAC12 | 331 | **Allowance or Charge Method of Handling Code** | **O** | **ID 2/2** |
|---|---|---|---|---|

Code indicating method of handling for an allowance or charge

| | |
|---|---|
| 01 | Bill Back |
| 02 | Off Invoice |
| 04 | Credit Customer Account |
| 05 | Charge to be Paid by Vendor |
| 06 | Charge to be Paid by Customer |

| SAC13 | 127 | **Reference Identification** | **X** | **AN 1/30** |
|---|---|---|---|---|

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

| | | | |
|---|---|---|---|
| **Segment:** | **FOB** F.O.B. Related Instructions | | |
| **Position:** | 180 | | |
| **Loop:** | PO1 Mandatory | | |
| **Level:** | Detail | | |
| **Usage:** | Optional | | |
| **Max Use:** | >1 | | |
| **Purpose:** | To specify transportation instructions relating to shipment | | |
| **Syntax Notes:** | 1 | If FOB03 is present, then FOB02 is required. | |
| | 2 | If FOB04 is present, then FOB05 is required. | |
| | 3 | If FOB07 is present, then FOB06 is required. | |
| | 4 | If FOB08 is present, then FOB09 is required. | |
| **Semantic Notes:** | 1 | FOB01 indicates which party will pay the carrier. | |
| | 2 | FOB02 is the code specifying transportation responsibility location. | |
| | 3 | FOB06 is the code specifying the title passage location. | |
| | 4 | FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07. | |
| **Comments:** | | | |

### Data Element Summary

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| M | FOB01 | 146 | **Shipment Method of Payment** | M  ID 2/2 |

Code identifying payment terms for transportation charges

BP            Paid by Buyer

                     The buyer agrees to the transportation payment term requiring the buyer to pay transportation charges to a specified location (origin or destination location)

PP            Prepaid (by Seller)

<table>
<tr><td align="right">**Segment:**</td><td># DTM <span>Date/Time Reference</span></td></tr>
<tr><td align="right">**Position:**</td><td>200</td></tr>
<tr><td align="right">**Loop:**</td><td>PO1    Mandatory</td></tr>
<tr><td align="right">**Level:**</td><td>Detail</td></tr>
<tr><td align="right">**Usage:**</td><td>Optional</td></tr>
<tr><td align="right">**Max Use:**</td><td>10</td></tr>
<tr><td align="right">**Purpose:**</td><td>To specify pertinent dates and times</td></tr>
<tr><td align="right">**Syntax Notes:**</td><td>1    At least one of DTM02 DTM03 or DTM05 is required.</td></tr>
<tr><td></td><td>2    If DTM04 is present, then DTM03 is required.</td></tr>
<tr><td></td><td>3    If either DTM05 or DTM06 is present, then the other is required.</td></tr>
<tr><td align="right">**Semantic Notes:**</td><td></td></tr>
<tr><td align="right">**Comments:**</td><td></td></tr>
</table>

### Data Element Summary

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **DTM01** | **374** | **Date/Time Qualifier** | **M** | **ID 3/3** |
| | | | Code specifying type of date or time, or both date and time | | |
| | | | 131        Item Contract Effective | | |
| | | | 132        Item Contract Expiration | | |
| | **DTM02** | **373** | **Date** | **X** | **DT 8/8** |
| | | | Date expressed as CCYYMMDD | | |

| | **Segment:** | **FST** Forecast Schedule |
|---|---|---|

**Segment:**    **FST** Forecast Schedule
**Position:**    230
**Loop:**    PO1    Mandatory
**Level:**    Detail
**Usage:**    Optional
**Max Use:**    >1
**Purpose:**    To specify the forecasted dates and quantities
**Syntax Notes:**    1    If either FST06 or FST07 is present, then the other is required.
   2    If either FST08 or FST09 is present, then the other is required.
**Semantic Notes:**    1    If FST03 equals "F" (indicating flexible interval), then FST04 and FST05 are required. FST04 would be used for the start date of the flexible interval and FST05 would be used for the end date of the flexible interval.
**Comments:**    1    As qualified by FST02 and FST03, FST04 represents either a discrete forecast date, the first date of a forecasted bucket (weekly, monthly, quarterly, etc.) or the start date of a flexible interval.
   2    FST06 qualifies the time in FST07. The purpose of the FST07 element is to express the specific time of day in a 24-hour clock to satisfy "just-in-time" requirements. As an alternative, the ship/delivery pattern segment (SDP) may be used to define an approximate time, such as a.m. or p.m.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| M | FST01 | 380 | **Quantity** | M | R 1/15 |
| | | | Numeric value of quantity | | |
| M | FST02 | 680 | **Forecast Qualifier** | M | ID 1/1 |
| | | | Code specifying the sender's confidence level of the forecast data or an action associated with a forecast | | |
| | | | C        Firm | | |
| | | | D        Planning | | |
| M | FST03 | 681 | **Forecast Timing Qualifier** | M | ID 1/1 |
| | | | Code specifying interval grouping of the forecast | | |
| | | | A        Annually (Calendar Year) | | |
| | | | Q        Quarterly (Calendar Quarters) | | |
| | | | S        Semi-Annually (Calendar Year) | | |
| M | FST04 | 373 | **Date** | M | DT 8/8 |
| | | | Date expressed as CCYYMMDD | | |
| | FST05 | 373 | **Date** | O | DT 8/8 |
| | | | Date expressed as CCYYMMDD | | |
| | FST10 | 783 | **Planning Schedule Type Code** | O | ID 2/2 |
| | | | Code identifying type of planning schedule used | | |
| | | | AA        Customized Ordering Forecast | | |
| | | | XA        Requirement Forecast | | |

| | | | | | |
|---|---|---|---|---|---|
| **Segment:** | | **SCH** Line Item Schedule | | | |
| **Position:** | 296 | | | | |
| **Loop:** | SCH | Optional | | | |
| **Level:** | Detail | | | | |
| **Usage:** | Optional | | | | |
| **Max Use:** | 1 | | | | |
| **Purpose:** | To specify the data for scheduling a specific line-item | | | | |
| **Syntax Notes:** | 1 | If SCH03 is present, then SCH04 is required. | | | |
| | 2 | If SCH08 is present, then at least one of SCH09 or SCH10 is required. | | | |
| | 3 | If SCH09 is present, then SCH08 is required. | | | |
| | 4 | If SCH10 is present, then SCH08 is required. | | | |
| **Semantic Notes:** | 1 | SCH12 is the schedule identification. | | | |
| **Comments:** | 1 | SCH05 specifies the interpretation to be used for SCH06 and SCH07. | | | |

### Data Element Summary

| | Ref.<br>Des. | Data<br>Element | Name | | Attributes |
|---|---|---|---|---|---|
| M | SCH01 | 380 | **Quantity** | M | R 1/15 |
| | | | Numeric value of quantity | | |
| M | SCH02 | 355 | **Unit or Basis for Measurement Code** | M | ID 2/2 |
| | | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | |
| M | SCH05 | 374 | **Date/Time Qualifier** | M | ID 3/3 |
| | | | Code specifying type of date or time, or both date and time | | |
| | | | 996         Required Delivery | | |
| | | | A date on which or before, ordered goods or services must be delivered | | |
| M | SCH06 | 373 | **Date** | M | DT 8/8 |
| | | | Date expressed as CCYYMMDD | | |

| | | | |
|---|---|---|---|
| **Segment:** | **TD4** Carrier Details (Special Handling, or Hazardous Materials, or Both) | | |
| **Position:** | 300 | | |
| **Loop:** | SCH | Optional | |
| **Level:** | Detail | | |
| **Usage:** | Optional | | |
| **Max Use:** | 5 | | |
| **Purpose:** | To specify transportation special handling requirements, or hazardous materials information, or both | | |
| **Syntax Notes:** | 1 | At least one of TD401 TD402 or TD404 is required. | |
| | 2 | If TD402 is present, then TD403 is required. | |
| **Semantic Notes:** | 1 | TD405 identifies if a Material Safety Data Sheet (MSDS) exists for this product. A "Y" indicates an MSDS exists for this product; an "N" indicates an MSDS does not exist for this product. | |
| **Comments:** | | | |

### Data Element Summary

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **TD401** | **152** | **Special Handling Code** | **X ID 2/3** |
| | | Code specifying special transportation handling instructions | |
| | | HM            Endorsed as Hazardous Material | |

**Segment:** # SLN Subline Item Detail

| | |
|---|---|
| **Position:** | 308 |
| **Loop:** | SLN      Optional |
| **Level:** | Detail |
| **Usage:** | Optional |
| **Max Use:** | 1 |
| **Purpose:** | To specify product subline detail item data |

**Syntax Notes:**
1. If either SLN04 or SLN05 is present, then the other is required.
2. If SLN07 is present, then SLN06 is required.
3. If SLN08 is present, then SLN06 is required.
4. If either SLN09 or SLN10 is present, then the other is required.
5. If either SLN11 or SLN12 is present, then the other is required.
6. If either SLN13 or SLN14 is present, then the other is required.
7. If either SLN15 or SLN16 is present, then the other is required.
8. If either SLN17 or SLN18 is present, then the other is required.
9. If either SLN19 or SLN20 is present, then the other is required.
10. If either SLN21 or SLN22 is present, then the other is required.
11. If either SLN23 or SLN24 is present, then the other is required.
12. If either SLN25 or SLN26 is present, then the other is required.
13. If either SLN27 or SLN28 is present, then the other is required.

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

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


**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| M | SLN01 | 350 | **Assigned Identification** | M | AN 1/20 |
| | | | Alphanumeric characters assigned for differentiation within a transaction set | | |
| | SLN02 | 350 | **Assigned Identification** | O | AN 1/20 |
| | | | Alphanumeric characters assigned for differentiation within a transaction set | | |
| M | SLN03 | 662 | **Relationship Code** | M | ID 1/1 |
| | | | Code indicating the relationship between entities | | |

         A          Add
         D          Delete
         I          Included
         O          Information Only

                 Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

         S          Substituted

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| | SLN04 | 380 | **Quantity** | X | R 1/15 |
| | | | Numeric value of quantity | | |
| | SLN05 | C001 | **Composite Unit of Measure** | X | |
| | | | To identify a composite unit of measure (See Figures Appendix for examples of use) | | |

| | | | | | |
|---|---|---|---|---|---|
| **M** | **C00101** | **355** | **Unit or Basis for Measurement Code** | **M** | **ID 2/2** |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
Refer to 004010HIBCC Data Element Dictionary for acceptable code values.

| | | | | |
|---|---|---|---|---|
| **SLN06** | **212** | **Unit Price** | **X** | **R 1/17** |

Price per unit of product, service, commodity, etc.

| | | | | |
|---|---|---|---|---|
| **SLN07** | **639** | **Basis of Unit Price Code** | **O** | **ID 2/2** |

Code identifying the type of unit price for an item

| | |
|---|---|
| CA | Catalog |
| CP | Current Price (Subject to Change) |
| CT | Contract |
| DI | Distributor |
| DS | Discount |
| PR | Promotion |
| QT | Quoted |
| WH | Wholesale |

| | | | | |
|---|---|---|---|---|
| **SLN08** | **662** | **Relationship Code** | **O** | **ID 1/1** |

Code indicating the relationship between entities

| | |
|---|---|
| A | Add |
| D | Delete |
| I | Included |
| O | Information Only |

Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

| | |
|---|---|
| S | Substituted |

| | | | | |
|---|---|---|---|---|
| **SLN09** | **235** | **Product/Service ID Qualifier** | **X** | **ID 2/2** |

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

| | |
|---|---|
| CB | Buyer's Catalog Number |
| CG | Commodity Grouping |
| HI | HIBC (Health Care Industry Bar Code) |
| LT | Lot Number |
| N1 | National Drug Code in 4-4-2 Format |

4-digit manufacturer ID, 4-digit product ID, 2-digit trade package size

| | |
|---|---|
| N2 | National Drug Code in 5-3-2 Format |

5-digit manufacturer ID, 3-digit product ID, 2-digit trade package size

| | |
|---|---|
| N3 | National Drug Code in 5-4-1 Format |

5-digit manufacturer ID, 4-digit product ID, 1-digit trade package size

| | |
|---|---|
| N4 | National Drug Code in 5-4-2 Format |

5-digit manufacturer ID, 4-digit product ID, 2-digit trade package size

| | |
|---|---|
| N5 | National Health Related Item Code in 5-5 Format |
| N6 | National Health Related Item Code in 4-6 Format |
| ND | National Drug Code (NDC) |
| NH | National Health Related Item Code |
| SN | Serial Number |
| UK | U.P.C./EAN Shipping Container Code (1-2-5-5-1) |

A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging

|       |     |                                                                                                           |   |         |
|-------|-----|-----------------------------------------------------------------------------------------------------------|---|---------|
|       |     | indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit |   |         |
|       | UP  | U.P.C. Consumer Package Code (1-5-5-1)                                                                     |   |         |
|       | VC  | Vendor's (Seller's) Catalog Number                                                                        |   |         |
| **SLN10** | 234 | **Product/Service ID**                                                                                | X | AN 1/48 |
|       |     | Identifying number for a product or service                                                               |   |         |
| **SLN11** | 235 | **Product/Service ID Qualifier**                                                                      | X | ID 2/2  |
|       |     | Code identifying the type/source of the descriptive number used in Product/Service ID (234)              |   |         |
| **SLN12** | 234 | **Product/Service ID**                                                                                | X | AN 1/48 |
|       |     | Identifying number for a product or service                                                               |   |         |
| **SLN13** | 235 | **Product/Service ID Qualifier**                                                                      | X | ID 2/2  |
|       |     | Code identifying the type/source of the descriptive number used in Product/Service ID (234)              |   |         |

**Segment:** # CTT Transaction Totals

**Position:** 010
**Loop:**
**Level:** Summary
**Usage:** Optional
**Max Use:** 1
**Purpose:** To transmit a hash total for a specific element in the transaction set
**Syntax Notes:** 1 If either CTT03 or CTT04 is present, then the other is required.
2 If either CTT05 or CTT06 is present, then the other is required.
**Semantic Notes:**
**Comments:** 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

## Data Element Summary

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| M | CTT01 | 354 | **Number of Line Items** | M N0 1/6 |
| | | | Total number of line items in the transaction set | |

**Segment:** **SE** **Transaction Set Trailer**
**Position:** 020
**Loop:**
**Level:** Summary
**Usage:** Mandatory
**Max Use:** 1
**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)
**Syntax Notes:**
**Semantic Notes:**
**Comments:** 1  SE is the last segment of each transaction set.

### Data Element Summary

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| M | SE01 | 96 | **Number of Included Segments** | **M** | **N0 1/10** |

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

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| M | SE02 | 329 | **Transaction Set Control Number** | **M** | **AN 4/9** |

Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set