

# 860 Purchase Order Change Request - Buyer Initiated

FUNCTIONAL GROUP ID = **PC**

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

## Header

| PAGE #              | POS. # | SEG. ID | NAME  | REQ. DES. | MAX USE | LOOP REPEAT |
|---------------------|--------|---------|---|-----------|---------|-------------|
| 136                 | 010    | ST      | Transaction Set Header  | M         | 1       |             |
| 137                 | 020    | BCH     | Beginning Segment for Purchase Order Change                       | M         | 1       |             |
| N/U                 | 030    | NTE     | Note/Special Instruction  | F         | 100     |             |
| 139                 | 040    | CUR     | Currency  | O         | 1       |             |
| 141                 | 050    | REF     | Reference Numbers   | O         | 12      |             |
| N/U                 | 060    | PER     | Administrative Communications Contact                             | O         | 3       |             |
| N/U                 | 070    | TAX     | Tax Reference   | O         | 3       |             |
| 142                 | 080    | FOB     | F.O.B. Related Instructions                                       | O         | 1       |             |
| N/U                 | 090    | CTP     | Pricing Information   | O         | 25      |             |
| N/U                 | 100    | SSS     | Special Services  | O         | 25      |             |
| N/U                 | 110    | CSH     | Header Sale Condition   | O         | 5       |             |
| N/U                 | 120    | ITA     | Allowance, Charge or Service                                      | O         | 10      |             |
| 144                 | 130    | ITD     | Terms of Sale/Deferred Terms of Sale                              | O         | 5       |             |
| N/U                 | 140    | DIS     | Discount Detail   | O         | 20      |             |
| N/U                 | 145    | INC     | Installment Information   | O         | 1       |             |
| 146                 | 150    | DTM     | Date/Time Reference   | O         | 10      |             |
| N/U                 | 160    | LDT     | Lead Time   | O         | 12      |             |
| N/U                 | 180    | LIN     | Item Identification   | O         | 5       |             |
| N/U                 | 185    | SI      | Service Characteristic Identification                             | O         | 2       |             |
| N/U                 | 190    | PID     | Product/Item Description  | O         | 200     |             |
| N/U                 | 200    | MEA     | Measurements  | O         | 40      |             |
| 147                 | 210    | PWK     | Paperwork   | O         | 25      |             |
| N/U                 | 220    | PKG     | Marking, Packaging, Loading                                       | O         | 200     |             |
| N/U                 | 230    | TD1     | Carrier Details (Quantity and Weight)                             | O         | 2       |             |
| 148                 | 240    | TD5     | Carrier Details (Routing Sequence/Transit Time)                   | O         | 12      |             |
| N/U                 | 250    | TD3     | Carrier Details (Equipment)                                       | O         | 12      |             |
| N/U                 | 260    | TD4     | Carrier Details (Special Handling or Hazardous Materials or Both) | O         | 5       |             |
| N/U                 | 270    | MAN     | Marks and Numbers   | O         | 10      |             |
| <b>LOOP ID - N9</b> |        |         |   |           |         | <b>1000</b> |
| N/U                 | 280    | N9      | Reference Number  | O         | 1       |             |
| N/U                 | 290    | MSG     | Message Text  | O         | 1000    |             |
| <b>LOOP ID - N1</b> |        |         |   |           |         | <b>200</b>  |
| 150                 | 300    | N1      | Name  | O         | 1       |             |
| 151                 | 310    | N2      | Additional Name Information                                       | O         | 2       |             |

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|     |     |            |   |          |            |
|-----|-----|------------|---|----------|------------|
| 152 | 320 | <b>N3</b>  | Address Information   | <b>O</b> | <b>2</b>   |
| 153 | 330 | <b>N4</b>  | Geographic Location   | <b>O</b> | <b>1</b>   |
| N/U | 335 | <b>NX2</b> | Real Estate Property ID Component                                 | <b>O</b> | <b>3</b>   |
| N/U | 340 | <b>REF</b> | Reference Numbers   | <b>O</b> | <b>12</b>  |
| 154 | 350 | <b>PER</b> | Administrative Communications Contact                             | <b>O</b> | <b>3</b>   |
| N/U | 360 | <b>FOB</b> | F.O.B. Related Instructions                                       | <b>O</b> | <b>1</b>   |
| N/U | 370 | <b>TD1</b> | Carrier Details (Quantity and Weight)                             | <b>O</b> | <b>2</b>   |
| N/U | 380 | <b>TD5</b> | Carrier Details (Routing Sequence/Transit Time)                   | <b>O</b> | <b>12</b>  |
| N/U | 390 | <b>TD3</b> | Carrier Details (Equipment)                                       | <b>O</b> | <b>12</b>  |
| N/U | 400 | <b>TD4</b> | Carrier Details (Special Handling or Hazardous Materials or Both) | <b>O</b> | <b>5</b>   |
| N/U | 410 | <b>PKG</b> | Marking, Packaging, Loading                                       | <b>O</b> | <b>200</b> |

**Detail**

| PAGE #                   | POS. # | SEG. ID    | NAME  | REQ. DES. | MAX USE    | LOOP REPEAT  |
|--------------------------|--------|------------|---|-----------|------------|--------------|
| <b>LOOP ID - POC</b>     |        |            |   |           |            | <b>10000</b> |
| 155                      | 010    | <b>POC</b> | Line Item Change  | <b>O</b>  | <b>1</b>   |              |
| N/U                      | 018    | <b>SI</b>  | Service Characteristic Identification                             | <b>O</b>  | <b>5</b>   |              |
| N/U                      | 020    | <b>CUR</b> | Currency  | <b>O</b>  | <b>1</b>   |              |
| N/U                      | 030    | <b>PO3</b> | Additional Item Detail  | <b>O</b>  | <b>25</b>  |              |
| N/U                      | 040    | <b>CTP</b> | Pricing Information   | <b>O</b>  | <b>25</b>  |              |
| N/U                      | 049    | <b>MEA</b> | Measurements  | <b>O</b>  | <b>40</b>  |              |
| <b>LOOP ID - POC/PID</b> |        |            |   |           |            | <b>1000</b>  |
| 158                      | 050    | <b>PID</b> | Product/Item Description  | <b>O</b>  | <b>1</b>   |              |
| N/U                      | 060    | <b>MEA</b> | Measurements  | <b>O</b>  | <b>10</b>  |              |
| 160                      | 070    | <b>PWK</b> | Paperwork   | <b>O</b>  | <b>25</b>  |              |
| 162                      | 080    | <b>PKG</b> | Marking, Packaging, Loading                                       | <b>O</b>  | <b>200</b> |              |
| N/U                      | 090    | <b>PO4</b> | Item Physical Details   | <b>O</b>  | <b>1</b>   |              |
| 163                      | 100    | <b>REF</b> | Reference Numbers   | <b>O</b>  | <b>12</b>  |              |
| 164                      | 110    | <b>PER</b> | Administrative Communications Contact                             | <b>O</b>  | <b>3</b>   |              |
| 165                      | 120    | <b>SSS</b> | Special Services  | <b>O</b>  | <b>25</b>  |              |
| 166                      | 130    | <b>ITA</b> | Allowance, Charge or Service                                      | <b>O</b>  | <b>10</b>  |              |
| N/U                      | 140    | <b>IT8</b> | Conditions of Sale  | <b>O</b>  | <b>1</b>   |              |
| N/U                      | 150    | <b>ITD</b> | Terms of Sale/Deferred Terms of Sale                              | <b>O</b>  | <b>2</b>   |              |
| N/U                      | 160    | <b>DIS</b> | Discount Detail   | <b>O</b>  | <b>20</b>  |              |
| N/U                      | 165    | <b>INC</b> | Installment Information   | <b>O</b>  | <b>1</b>   |              |
| 168                      | 170    | <b>TAX</b> | Tax Reference   | <b>O</b>  | <b>3</b>   |              |
| N/U                      | 180    | <b>FOB</b> | F.O.B. Related Instructions                                       | <b>O</b>  | <b>1</b>   |              |
| N/U                      | 190    | <b>SDQ</b> | Destination Quantity  | <b>O</b>  | <b>500</b> |              |
| 170                      | 200    | <b>DTM</b> | Date/Time Reference   | <b>O</b>  | <b>10</b>  |              |
| N/U                      | 210    | <b>LDT</b> | Lead Time   | <b>O</b>  | <b>12</b>  |              |
| 171                      | 220    | <b>SCH</b> | Line Item Schedule  | <b>O</b>  | <b>200</b> |              |
| N/U                      | 230    | <b>TD1</b> | Carrier Details (Quantity and Weight)                             | <b>O</b>  | <b>1</b>   |              |
| 172                      | 240    | <b>TD5</b> | Carrier Details (Routing Sequence/Transit Time)                   | <b>O</b>  | <b>12</b>  |              |
| N/U                      | 250    | <b>TD3</b> | Carrier Details (Equipment)                                       | <b>O</b>  | <b>12</b>  |              |
| N/U                      | 260    | <b>TD4</b> | Carrier Details (Special Handling or Hazardous Materials or Both) | <b>O</b>  | <b>5</b>   |              |
| N/U                      | 270    | <b>MAN</b> | Marks and Numbers   | <b>O</b>  | <b>10</b>  |              |
| N/U                      | 280    | <b>AMT</b> | Monetary Amount   | <b>O</b>  | <b>1</b>   |              |

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|                             |     |     |   |   |             |
|-----------------------------|-----|-----|---|---|-------------|
| N/U                         | 285 | TC2 | Commodity   | O | 2           |
| <b>LOOP ID - POC/N9</b>     |     |     |   |   | <b>1000</b> |
| N/U                         | 320 | N9  | Reference Number  | O | 1           |
| N/U                         | 330 | MSG | Message Text  | O | 1000        |
| <b>LOOP ID - POC/N1</b>     |     |     |   |   | <b>200</b>  |
| 174                         | 340 | N1  | Name  | O | 1           |
| 175                         | 350 | N2  | Additional Name Information                                       | O | 2           |
| 176                         | 360 | N3  | Address Information   | O | 2           |
| 177                         | 370 | N4  | Geographic Location   | O | 1           |
| N/U                         | 375 | NX2 | Real Estate Property ID Component                                 | O | 3           |
| N/U                         | 380 | REF | Reference Numbers   | O | 12          |
| N/U                         | 390 | PER | Administrative Communications Contact                             | O | 3           |
| N/U                         | 400 | FOB | F.O.B. Related Instructions                                       | O | 1           |
| N/U                         | 410 | TD1 | Carrier Details (Quantity and Weight)                             | O | 2           |
| N/U                         | 420 | TD5 | Carrier Details (Routing Sequence/Transit Time)                   | O | 12          |
| N/U                         | 430 | TD3 | Carrier Details (Equipment)                                       | O | 12          |
| N/U                         | 440 | TD4 | Carrier Details (Special Handling or Hazardous Materials or Both) | O | 5           |
| N/U                         | 450 | PKG | Marking, Packaging, Loading                                       | O | 200         |
| <b>LOOP ID - POC/SLN</b>    |     |     |   |   | <b>1000</b> |
| 179                         | 460 | SLN | Subline Item Detail   | O | 1           |
| N/U                         | 470 | SI  | Service Characteristic Identification                             | O | 5           |
| 182                         | 480 | PID | Product/Item Description  | O | 1000        |
| N/U                         | 490 | PO3 | Additional Item Detail  | O | 104         |
| N/U                         | 495 | TC2 | Commodity   | O | 2           |
| N/U                         | 500 | ITA | Allowance, Charge or Service                                      | O | 10          |
| N/U                         | 510 | DTM | Date/Time Reference   | O | 10          |
| <b>LOOP ID - POC/SLN/N1</b> |     |     |   |   | <b>10</b>   |
| N/U                         | 520 | N1  | Name  | O | 1           |
| N/U                         | 530 | N2  | Additional Name Information                                       | O | 2           |
| N/U                         | 540 | N3  | Address Information   | O | 2           |
| N/U                         | 550 | N4  | Geographic Location   | O | 1           |
| N/U                         | 560 | NX2 | Real Estate Property ID Component                                 | O | 3           |
| N/U                         | 570 | REF | Reference Numbers   | O | 12          |
| N/U                         | 580 | PER | Administrative Communications Contact                             | O | 3           |

## Summary

| PAGE # | POS. # | SEG. ID | NAME                    | REQ. DES. | MAX USE | LOOP REPEAT |
|--------|--------|---------|-------------------------|-----------|---------|-------------|
| 184    | 010    | CTT     | Transaction Totals      | M         | 1       |             |
| 185    | 020    | AMT     | Monetary Amount         | O         | 1       |             |
| 186    | 030    | SE      | Transaction Set Trailer | M         | 1       |             |

## Transaction Set Notes:

**1/180** If segment LIN is used, do not use LIN01.

**2/280** If AMT is used in the detail area, then AMT01 will = 1 and AMT02 will indicate total line amount as calculated by the sender.

**3/010** Number of line items (CTT01) is the accumulation of the number of POC segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (POC03) for each POC segment.

**3/020** If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

**Segment: ST Transaction Set Header**

**Level:** Header

**Loop:** \_\_\_

**Usage:** Mandatory

**Max Use:** 1

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

**Semantic:** 1 The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the invoice transaction set).

**Data Element Summary**

| REF. DES. | DATA ELEMENT | NAME   | ATTRIBUTES |
|-----------|--------------|--|------------|
| ST01      | 143          | <b>Transaction Set Identifier Code</b><br>Code uniquely identifying a Transaction Set.<br><b>860</b> X12.15 Purchase Order Change Request - Buyer Initiated  | M ID 3/3   |
| ST02      | 329          | <b>Transaction Set Control Number</b><br>Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set<br><b>The transaction set control number assigned by the originator is sequentially assigned within each functional group. The same control number will also appear in the SE segment (SE02) in the Summary Area for the transaction set.</b> | M AN 4/9   |

**Segment:** **BCH** Beginning Segment for Purchase Order Change  
**Level:** Header  
**Loop:** \_\_\_  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the beginning of the purchase order change transaction set and transmit identifying numbers and dates.  
**Semantic:** 1 BCH09 is the seller's order number.

**Data Element Summary**

| REF. DES. | DATA ELEMENT | NAME   | ATTRIBUTES |
|-----------|--------------|--|------------|
| BCH01     | 353          | <b>Transaction Set Purpose Code</b><br>Code identifying purpose of transaction set.  | M ID 2/2   |
|           |              | 01 Cancellation<br>"01" is used to cancel the complete P.O.  |            |
|           |              | 04 Change<br>"04" is used to "Cancel" or "Change" one (1) or more lines of an order, but not the complete order.   |            |
|           |              | 06 Confirmation<br>"06" is used when a verbal or other non-EDI P.O. Change has been given to the supplier.   |            |
|           |              | 07 Duplicate<br>"07" denotes a true duplicate; no changes have been made to the original P.O. Change.  |            |
| BCH02     | 92           | <b>Purchase Order Type Code</b><br>Code specifying the type of Purchase Order.   | M ID 2/2   |
|           |              | CF Confirmation  |            |
|           |              | EO Emergency Order   |            |
|           |              | RL Release or Delivery Order   |            |
|           |              | RO Rush Order  |            |
|           |              | SA Stand-alone Order   |            |
|           |              | SS Supply or Service Order   |            |
| BCH03     | 324          | <b>Purchase Order Number</b><br>Identifying number for Purchase Order assigned by the orderer/purchaser.   | M AN 1/22  |
| BCH04     | 328          | <b>Release Number</b><br>Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction.   | O AN 1/30  |
|           |              | <b>RECOMMENDED FOR USE BY PIDX</b><br>Used when BCH02 = RL.  |            |
| ➤         | BCH05        | 327 <b>Change Order Sequence Number</b><br>Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set.   | O AN 1/8   |
| ➤         | BCH06        | 323 <b>Purchase Order Date</b><br>Date assigned by the purchaser to Purchase Order.  | M DT 6/6   |
|           | BCH07        | 326 <b>Request Reference Number</b><br>Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number). | O AN 1/45  |
|           |              | <b>NOT USED BY PIDX</b>  |            |
|           | BCH08        | 367 <b>Contract Number</b><br>Contract number.   | O AN 1/30  |

**A PIDX CONVENTION FOR  
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|              |            |   |                  |
|--------------|------------|---|------------------|
| <b>BCH09</b> | <b>127</b> | <b>Reference Number</b>   | <b>O AN 1/30</b> |
|              |            | Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. |                  |
|              |            | <b>Supplier's tracking number, eg. Sales Order Number</b>   |                  |
| <b>BCH10</b> | <b>588</b> | <b>Acknowledgment Date</b>  | <b>O DT 6/6</b>  |
|              |            | Date assigned by the sender to the acknowledgment.  |                  |
|              |            | <b>NOT USED BY PIDX</b>   |                  |
| <b>BCH11</b> | <b>279</b> | <b>Purchase Order Change Request Date</b>   | <b>O DT 6/6</b>  |
|              |            | Date of the purchase order change request.  |                  |
|              |            | <b>RECOMMENDED FOR USE BY PIDX</b>  |                  |

**Segment: CUR** Currency

**Level:** Header

**Loop:** \_\_\_

**Usage:** Optional

**Max Use:** 1

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

- Syntax:**
- 1 C0807**  
If CUR08 is present, then CUR07 is required.
  - 2 C0907**  
If CUR09 is present, then CUR07 is required.
  - 3 C1110**  
If CUR11 is present, then CUR10 is required.
  - 4 C1210**  
If CUR12 is present, then CUR10 is required.
  - 5 C1413**  
If CUR14 is present, then CUR13 is required.
  - 6 C1513**  
If CUR15 is present, then CUR13 is required.
  - 7 C1716**  
If CUR17 is present, then CUR16 is required.
  - 8 C1816**  
If CUR18 is present, then CUR16 is required.
  - 9 C2019**  
If CUR20 is present, then CUR19 is required.
  - 10 C2119**  
If CUR21 is present, then CUR19 is required.

**Notes:** Use the CUR segment ONLY if pricing is not in U.S. Dollars.

**Data Element Summary**

| REF. DES.    | DATA ELEMENT | NAME   | ATTRIBUTES      |
|--------------|--------------|--|-----------------|
| <b>CUR01</b> | <b>98</b>    | <b>Entity Identifier Code</b><br>Code identifying an organizational entity, a physical location, or an individual  | <b>M ID 2/2</b> |
| <b>CUR02</b> | <b>100</b>   | <b>Currency Code</b><br>Code (Standard ISO) for country in whose currency the charges are specified.<br><b>See External Code Source 5 in Section III for reference document.</b> | <b>M ID 3/3</b> |
| <b>CUR03</b> | <b>280</b>   | <b>Exchange Rate</b><br>Value to be used as a multiplier conversion factor to convert monetary value from one currency to another.   | <b>O R 4/6</b>  |
| <b>CUR04</b> | <b>98</b>    | <b>Entity Identifier Code</b><br>Code identifying an organizational entity, a physical location, or an individual<br><b>NOT USED BY PIDX</b>                                     | <b>O ID 2/2</b> |
| <b>CUR05</b> | <b>100</b>   | <b>Currency Code</b><br>Code (Standard ISO) for country in whose currency the charges are specified.<br><b>NOT USED BY PIDX</b>  | <b>O ID 3/3</b> |
| <b>CUR06</b> | <b>669</b>   | <b>Currency Market/Exchange Code</b><br>Code identifying the market upon which the currency exchange rate is based.<br><b>NOT USED BY PIDX</b>                                   | <b>O ID 3/3</b> |
| <b>CUR07</b> | <b>374</b>   | <b>Date/Time Qualifier</b><br>Code specifying type of date or time, or both date and time.<br><b>NOT USED BY PIDX</b>  | <b>C ID 3/3</b> |

**A PIDX CONVENTION FOR  
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|              |            |   |          |           |            |
|--------------|------------|---|----------|-----------|------------|
| <b>CUR08</b> | <b>373</b> | <b>Date</b><br>Date (YYMMDD).<br><b>NOT USED BY PIDX</b>  | <b>O</b> | <b>DT</b> | <b>6/6</b> |
| <b>CUR09</b> | <b>337</b> | <b>Time</b><br>Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)<br><b>NOT USED BY PIDX</b> | <b>O</b> | <b>TM</b> | <b>4/6</b> |
| <b>CUR10</b> | <b>374</b> | <b>Date/Time Qualifier</b><br>Code specifying type of date or time, or both date and time.<br><b>NOT USED BY PIDX</b>       | <b>C</b> | <b>ID</b> | <b>3/3</b> |
| <b>CUR11</b> | <b>373</b> | <b>Date</b><br>Date (YYMMDD).<br><b>NOT USED BY PIDX</b>  | <b>O</b> | <b>DT</b> | <b>6/6</b> |
| <b>CUR12</b> | <b>337</b> | <b>Time</b><br>Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)<br><b>NOT USED BY PIDX</b> | <b>O</b> | <b>TM</b> | <b>4/6</b> |
| <b>CUR13</b> | <b>374</b> | <b>Date/Time Qualifier</b><br>Code specifying type of date or time, or both date and time.<br><b>NOT USED BY PIDX</b>       | <b>C</b> | <b>ID</b> | <b>3/3</b> |
| <b>CUR14</b> | <b>373</b> | <b>Date</b><br>Date (YYMMDD).<br><b>NOT USED BY PIDX</b>  | <b>O</b> | <b>DT</b> | <b>6/6</b> |
| <b>CUR15</b> | <b>337</b> | <b>Time</b><br>Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)<br><b>NOT USED BY PIDX</b> | <b>O</b> | <b>TM</b> | <b>4/6</b> |
| <b>CUR16</b> | <b>374</b> | <b>Date/Time Qualifier</b><br>Code specifying type of date or time, or both date and time.<br><b>NOT USED BY PIDX</b>       | <b>C</b> | <b>ID</b> | <b>3/3</b> |
| <b>CUR17</b> | <b>373</b> | <b>Date</b><br>Date (YYMMDD).<br><b>NOT USED BY PIDX</b>  | <b>O</b> | <b>DT</b> | <b>6/6</b> |
| <b>CUR18</b> | <b>337</b> | <b>Time</b><br>Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)<br><b>NOT USED BY PIDX</b> | <b>O</b> | <b>TM</b> | <b>4/6</b> |
| <b>CUR19</b> | <b>374</b> | <b>Date/Time Qualifier</b><br>Code specifying type of date or time, or both date and time.<br><b>NOT USED BY PIDX</b>       | <b>C</b> | <b>ID</b> | <b>3/3</b> |
| <b>CUR20</b> | <b>373</b> | <b>Date</b><br>Date (YYMMDD).<br><b>NOT USED BY PIDX</b>  | <b>O</b> | <b>DT</b> | <b>6/6</b> |
| <b>CUR21</b> | <b>337</b> | <b>Time</b><br>Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)<br><b>NOT USED BY PIDX</b> | <b>O</b> | <b>TM</b> | <b>4/6</b> |

**Segment: REF Reference Numbers**

**Level:** Header

**Loop:** \_\_\_

**Usage:** Optional

**Max Use:** 12

**Purpose:** To specify identifying numbers.

**Syntax:** 1 R0203

At least one of REF02 or REF03 is required.

**Notes:** The REF segment is used only for accounting description and/or codes. If used, at least one of the following qualifiers is required which is provided by the customer: "AE", "CR", "DJ", "LU", or "WN". The direction of PIDX is to move toward the use of a single qualifier ("CR").

The REF segment is not commonly used at both the Header and Detail Level. It is preferred to be used at the Header Level or Detail Level, but not both. It may be used at both the Header Level and Detail Level where business issues dictate between trading partners.

This segment is not to be used for additional "Ship To" information.

This segment should be used when an EDI Purchase Order/Release Number is not issued by the trading partner.

**Data Element Summary**

| REF. DES. | DATA ELEMENT | NAME   | ATTRIBUTES |
|-----------|--------------|--|------------|
| REF01     | 128          | <b>Reference Number Qualifier</b><br>Code qualifying the Reference Number.<br>AE Authorization for Expense (AFE) Number<br>CR Customer Reference Number<br>DJ Delivery Ticket Number<br>LU Location Number<br>WN Well Number | M ID 2/2   |
| REF02     | 127          | <b>Reference Number</b><br>Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.   | C AN 1/30  |
| REF03     | 352          | <b>Description</b><br>A free-form description to clarify the related data elements and their content.  | C AN 1/80  |

**Segment:** **FOB** F.O.B. Related Instructions  
**Level:** Header  
**Loop:** \_\_\_  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify transportation instructions relating to shipment  
**Syntax:** 1 **C0302**  
 If FOB03 is present, then FOB02 is required.  
 2 **C0405**  
 If FOB04 is present, then FOB05 is required.  
 3 **C0706**  
 If FOB07 is present, then FOB06 is required.  
 4 **C0809**  
 If FOB08 is present, then FOB09 is required.  
**Semantic:** 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.

**Data Element Summary**

| REF.<br>DES.            | DATA<br>ELEMENT | NAME   | ATTRIBUTES |           |             |
|-------------------------|-----------------|--|------------|-----------|-------------|
| <b>FOB01</b>            | <b>146</b>      | <b>Shipment Method of Payment</b><br>Code identifying payment terms for transportation charges.<br><b>CC</b> Collect<br><b>CF</b> Collect, Freight Credited Back to Customer<br><b>NC</b> Service Freight, No Charge<br><b>PB</b> Customer Pick-up/Backhaul<br><b>PC</b> Prepaid but Charged to Customer<br><b>PP</b> Prepaid (by Seller)<br><b>PU</b> Pickup<br><b>TP</b> Third Party Pay | <b>M</b>   | <b>ID</b> | <b>2/2</b>  |
| <b>FOB02</b>            | <b>309</b>      | <b>Location Qualifier</b><br>Code identifying type of location.<br><b>DE</b> Destination (Shipping)<br><b>FE</b> Freight Equalization Point<br><b>OA</b> Origin (After Loading on Equipment)<br><b>OR</b> Origin (Shipping Point)<br><b>OV</b> On Vessel (Free On Board [FOB] point)<br><b>PL</b> Plant<br><b>WH</b> Warehouse   | <b>C</b>   | <b>ID</b> | <b>1/2</b>  |
| <b>FOB03</b>            | <b>352</b>      | <b>Description</b><br>A free-form description to clarify the related data elements and their content.  | <b>O</b>   | <b>AN</b> | <b>1/80</b> |
| <b>FOB04</b>            | <b>334</b>      | <b>Transportation Terms Qualifier Code</b><br>Code identifying the source of the transportation terms.   | <b>O</b>   | <b>ID</b> | <b>2/2</b>  |
| <b>NOT USED BY PIDX</b> |                 |  |            |           |             |
| <b>FOB05</b>            | <b>335</b>      | <b>Transportation Terms Code</b><br>Code identifying the trade terms which apply to the shipment transportation responsibility.  | <b>C</b>   | <b>ID</b> | <b>3/3</b>  |
| <b>NOT USED BY PIDX</b> |                 |  |            |           |             |

|              |            |  |                  |
|--------------|------------|--|------------------|
| <b>FOB06</b> | <b>309</b> | <b>Location Qualifier</b><br>Code identifying type of location.<br><b>DE</b> Destination (Shipping)<br><b>FE</b> Freight Equalization Point<br><b>OA</b> Origin (After Loading on Equipment)<br><b>OR</b> Origin (Shipping Point)<br><b>OV</b> On Vessel (Free On Board [FOB] point)<br><b>PL</b> Plant<br><b>WH</b> Warehouse | <b>C ID 1/2</b>  |
| <b>FOB07</b> | <b>352</b> | <b>Description</b><br>A free-form description to clarify the related data elements and their content.<br><b>NOT USED BY PIDX</b>   | <b>O AN 1/80</b> |
| <b>FOB08</b> | <b>54</b>  | <b>Risk of Loss Qualifier</b><br>Code specifying where responsibility for risk of loss passes.<br><b>NOT USED BY PIDX</b>  | <b>O ID 2/2</b>  |
| <b>FOB09</b> | <b>352</b> | <b>Description</b><br>A free-form description to clarify the related data elements and their content.<br><b>NOT USED BY PIDX</b>   | <b>C AN 1/80</b> |

**Segment: ITD Terms of Sale/Deferred Terms of Sale**

**Level:** Header

**Loop:** \_\_\_

**Usage:** Optional

**Max Use:** 5

**Purpose:** To specify terms of sale.

**Syntax: 1 L03040513**

If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.

**2 L08040513**

If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.

**3 L091011**

If ITD09 is present, then at least one of ITD10 or ITD11 is required.

**Semantic: 1** ITD15 is the percentage applied to a base amount used to determine a late payment charge.

**Comments: A** If the code in ITD01 is 04, then ITD09 is required and either ITD10 or ITD11 is required. If the code in ITD01 equals 05, then ITD06 or ITD07 is required.

**Notes:** The term "Discount" is payment discount, not pricing discount.

**Data Element Summary**

| REF. DES.  | DATA ELEMENT | NAME   | ATTRIBUTES |    |      |
|--|--------------|--|------------|----|------|
| ITD01  | 336          | <b>Terms Type Code</b><br>Code identifying type of payment terms.  | O          | ID | 2/2  |
| <b>NOT USED BY PIDX</b>  |              |  |            |    |      |
| ITD02  | 333          | <b>Terms Basis Date Code</b><br>Code identifying the beginning of the terms period.<br>2 Delivery Date<br>3 Invoice Date<br>5 Invoice Receipt Date                             | O          | ID | 1/2  |
| ITD03  | 338          | <b>Terms Discount Percent</b><br>Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date. | O          | R  | 1/6  |
| <b>RECOMMENDED FOR USE BY PIDX</b>   |              |  |            |    |      |
| ITD04  | 370          | <b>Terms Discount Due Date</b><br>Date payment is due if discount is to be earned.   | C          | DT | 6/6  |
| <b>NOT USED BY PIDX</b>  |              |  |            |    |      |
| ITD05  | 351          | <b>Terms Discount Days Due</b><br>Number of days in the terms discount period by which payment is due if terms discount is earned.   | C          | N0 | 1/3  |
| <b>RECOMMENDED FOR USE BY PIDX</b>   |              |  |            |    |      |
| <b>If ITD03 is sent, ITD05 is required. ITD03 must be greater than zero.</b> |              |  |            |    |      |
| ITD06  | 446          | <b>Terms Net Due Date</b><br>Date when total invoice amount becomes due.   | O          | DT | 6/6  |
| <b>NOT USED BY PIDX</b>  |              |  |            |    |      |
| ITD07  | 386          | <b>Terms Net Days</b><br>Number of days until total invoice amount is due (discount not applicable).   | O          | N0 | 1/3  |
| ITD08  | 362          | <b>Terms Discount Amount</b><br>Total amount of terms discount.  | O          | N2 | 1/10 |
| <b>NOT USED BY PIDX</b>  |              |  |            |    |      |
| ITD09  | 388          | <b>Terms Deferred Due Date</b><br>Date deferred payment or percent of invoice payable is due.  | O          | DT | 6/6  |
| <b>NOT USED BY PIDX</b>  |              |  |            |    |      |

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|--------------|------------|--|-------------|-------------|
| <b>ITD10</b> | <b>389</b> | <b>Deferred Amount Due</b><br>Deferred amount due for payment.   | <b>C N2</b> | <b>1/10</b> |
| <b>ITD11</b> | <b>342</b> | <b>Percent of Invoice Payable</b><br>Amount of invoice payable expressed in percent.   | <b>C R</b>  | <b>1/5</b>  |
| <b>ITD12</b> | <b>352</b> | <b>Description</b><br>A free-form description to clarify the related data elements and their content.<br><b>ITD10 - ITD12 are to be used for any special terms, ie: Retainage.</b> | <b>O AN</b> | <b>1/80</b> |
| <b>ITD13</b> | <b>765</b> | <b>Day of Month</b><br>The numeric value of the day of the month between 1 and the maximum day of the month being referenced.<br><b>NOT USED BY PIDX</b>                           | <b>C N0</b> | <b>1/2</b>  |
| <b>ITD14</b> | <b>107</b> | <b>Payment Method Code</b><br>Code identifying type of payment procedures.<br><b>NOT USED BY PIDX</b>  | <b>O ID</b> | <b>1/1</b>  |
| <b>ITD15</b> | <b>954</b> | <b>Percent</b><br>Percentage expressed as a decimal<br><b>NOT USED BY PIDX</b>   | <b>O R</b>  | <b>1/10</b> |

**Segment: DTM** Date/Time Reference

**Level:** Header

**Loop:** \_\_\_

**Usage:** Optional

**Max Use:** 10

**Purpose:** To specify pertinent dates and times

**Syntax:** 1 R0203

At least one of DTM02 or DTM03 is required.

**Notes:** DTM Segment is not commonly used at the Header Level and Detail Level. It is preferred to be used at the Header Level or Detail Level, not both.

**Data Element Summary**

| REF. DES. | DATA ELEMENT | NAME   | ATTRIBUTES |    |     |
|-----------|--------------|--|------------|----|-----|
| DTM01     | 374          | <b>Date/Time Qualifier</b><br>Code specifying type of date or time, or both date and time.<br>002 Delivery Requested<br>010 Requested Ship<br>074 Requested for Delivery (Prior to and Including)<br>079 Promised for Shipment<br>150 Service Period Start<br>151 Service Period End   | M          | ID | 3/3 |
| DTM02     | 373          | <b>Date</b><br>Date (YYMMDD).  | C          | DT | 6/6 |
| DTM03     | 337          | <b>Time</b><br>Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)   | C          | TM | 4/6 |
| DTM04     | 623          | <b>Time Code</b><br>Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time. Since + is a restricted character, + and - are substituted by P and M in the codes that follow.<br><b>See External Code Source 94 in Section III for reference document.</b> | O          | ID | 2/2 |
| DTM05     | 624          | <b>Century</b><br>The first two characters in the designation of the year (CCYY).  | O          | NO | 2/2 |

**Segment: PWK Paperwork**

**Level:** Header

**Loop:** \_\_\_

**Usage:** Optional

**Max Use:** 25

**Purpose:** To identify the type and transmission of paperwork or supporting information

**Syntax:** 1 **P0506**

If either PWK05 or PWK06 is present, then the other is required.

**Comments:** **A** PWK05 and PWK06 may be used to identify the addressee by a code number.

**B** PWK07 may be used to indicate special information to be shown on the specified report.

**C** PWK08 may be used to indicate action pertaining to a report.

**Notes:** **PWK Segment is not commonly used at the Header and Detail Level. It is preferred to be used at the Header Level or Detail Level, NOT BOTH.**

**This segment should be used only if "Attached" paperwork is applicable.**

**Data Element Summary**

| REF. DES. | DATA ELEMENT | NAME  | ATTRIBUTES       |
|-----------|--------------|---|------------------|
| PWK01     | 755          | <b>Report Type Code</b>   | <b>M ID 2/2</b>  |
|           |              | Code indicating the title or contents of a document, report or supporting item  |                  |
|           |              | <b>The business being conducted may require other Report Type Codes, but those listed below are recommended and will cover a large portion of the transactions.</b> |                  |
|           |              | 12 Mechanical Properties  |                  |
|           |              | <b>BM</b> Bill of Material  |                  |
|           |              | <b>CT</b> Certification   |                  |
|           |              | <b>IT</b> Certified Inspection and Test Results   |                  |
|           |              | <b>MS</b> Material Safety Data Sheet  |                  |
|           |              | <b>SI</b> Seller Inventory Report   |                  |
| PWK02     | 756          | <b>Report Transmission Code</b>   | <b>O ID 2/2</b>  |
|           |              | Code defining timing, transmission method or format by which reports are to be sent   |                  |
|           |              | <b>The preferred method should always be first in an X12 transaction set, if available, but electronically never the less.</b>                                      |                  |
|           |              | <b>AE</b> Electronically After Shipping   |                  |
|           |              | <b>BM</b> By Mail   |                  |
|           |              | <b>EL</b> Electronically Only   |                  |
|           |              | <b>FX</b> By Fax  |                  |
| PWK03     | 757          | <b>Report Copies Needed</b>   | <b>O NO 1/2</b>  |
|           |              | The number of copies of a report that should be sent to the addressee.  |                  |
| PWK04     | 98           | <b>Entity Identifier Code</b>   | <b>O ID 2/2</b>  |
|           |              | Code identifying an organizational entity, a physical location, or an individual  |                  |
| PWK05     | 66           | <b>Identification Code Qualifier</b>  | <b>C ID 1/2</b>  |
|           |              | Code designating the system/method of code structure used for Identification Code (67).   |                  |
| PWK06     | 67           | <b>Identification Code</b>  | <b>C AN 2/17</b> |
|           |              | Code identifying a party or other code.   |                  |
| PWK07     | 352          | <b>Description</b>  | <b>O AN 1/80</b> |
|           |              | A free-form description to clarify the related data elements and their content.   |                  |
| PWK08     | 704          | <b>Paperwork/Report Action Code</b>   | <b>O ID 1/2</b>  |
|           |              | Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required.        |                  |

**Segment: TD5 Carrier Details (Routing Sequence/Transit Time)**

**Level:** Header

**Loop:** \_\_\_

**Usage:** Optional

**Max Use:** 12

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

**Syntax: 1 R0204050612**

At least one of TD502, TD504, TD505, TD506 or TD512 is required.

**2 C0203**

If TD502 is present, then TD503 is required.

**3 C0708**

If TD507 is present, then TD508 is required.

**4 C1011**

If TD510 is present, then TD511 is required.

**Comments: A** When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement: use TD502 to identify the party responsible for defining the routing sequence; use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

**Notes: TD5 Segment is not commonly used at both the Header and Detail Level. It is preferred to be used at the Header Level or Detail Level, NOT BOTH.**

**Data Element Summary**

| REF. DES. | DATA ELEMENT | NAME   | ATTRIBUTES       |
|-----------|--------------|--|------------------|
| TD501     | 133          | <b>Routing Sequence Code</b><br>Code describing the relationship of a carrier to a specific shipment movement.<br><b>B</b> Origin/Delivery Carrier (Any Mode)<br><b>O</b> Origin Carrier (Air, Motor, or Ocean)  | <b>O ID 1/2</b>  |
| TD502     | 66           | <b>Identification Code Qualifier</b><br>Code designating the system/method of code structure used for Identification Code (67).<br><b>30</b> American Petroleum Institute Location Code<br><b>6</b> Plant Code<br><b>7</b> Dock  | <b>C ID 1/2</b>  |
| TD503     | 67           | <b>Identification Code</b><br>Code identifying a party or other code.  | <b>C AN 2/17</b> |
| TD504     | 91           | <b>Transportation Method/Type Code</b><br>Code specifying the method or type of transportation for the shipment.<br><b>A</b> Air<br><b>AE</b> Air Express<br><b>D</b> Parcel Post<br><b>E</b> Expedited Truck<br><b>H</b> Customer Pickup<br><b>M</b> Motor (Common Carrier)<br><b>R</b> Rail<br><b>S</b> Ocean<br><b>SR</b> Supplier Truck<br><b>T</b> Best Way (Shippers Option) | <b>C ID 1/2</b>  |
| TD505     | 387          | <b>Routing</b><br>Free-form description of the routing or requested routing for shipment, or the originating carrier's identity.   | <b>C AN 1/35</b> |

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|              |            |  |          |           |             |
|--------------|------------|--|----------|-----------|-------------|
| <b>TD506</b> | <b>368</b> | <b>Shipment/Order Status Code</b><br>Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction. | <b>C</b> | <b>ID</b> | <b>2/2</b>  |
| <b>TD507</b> | <b>309</b> | <b>Location Qualifier</b><br>Code identifying type of location.  | <b>O</b> | <b>ID</b> | <b>1/2</b>  |
| <b>TD508</b> | <b>310</b> | <b>Location Identifier</b><br>Code which identifies a specific location.   | <b>C</b> | <b>AN</b> | <b>1/25</b> |
| <b>TD509</b> | <b>731</b> | <b>Transit Direction Code</b><br>The point of origin and point of direction.   | <b>O</b> | <b>ID</b> | <b>2/2</b>  |
| <b>TD510</b> | <b>732</b> | <b>Transit Time Direction Qualifier</b><br>Code specifying the value of time used to measure the transit time.   | <b>O</b> | <b>ID</b> | <b>2/2</b>  |
| <b>TD511</b> | <b>733</b> | <b>Transit Time</b><br>The numeric amount of transit time.   | <b>C</b> | <b>R</b>  | <b>1/4</b>  |
| <b>TD512</b> | <b>284</b> | <b>Service Level Code</b><br>Code defining service   | <b>C</b> | <b>ID</b> | <b>2/2</b>  |

**Segment: N1 Name**

**Level:** Header

**Loop:** N1    **Usage:** Optional    **Max Use:** 200

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To identify a party by type of organization, name and code

**Syntax:** 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: A** 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.

**Data Element Summary**

| REF. DES. | DATA ELEMENT | NAME  | ATTRIBUTES       |
|-----------|--------------|---|------------------|
| N101      | 98           | <b>Entity Identifier Code</b><br>Code identifying an organizational entity, a physical location, or an individual<br><b>BS</b> Bill and Ship To<br><b>BT</b> Party to be Billed For Other Than Freight(Bill To)<br><b>SE</b> Selling Party<br><b>ST</b> Ship To   | <b>M ID 2/2</b>  |
| N102      | 93           | <b>Name</b><br>Free-form name.  | <b>C AN 1/35</b> |
| N103      | 66           | <b>Identification Code Qualifier</b><br>Code designating the system/method of code structure used for Identification Code (67).<br><b>RECOMMENDED FOR USE BY PIDX</b><br>1 D-U-N-S Number, Dun & Bradstreet<br>9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix<br><b>DUNS+4 is the API Recommended Practice.</b><br>91 Assigned by Seller or Seller's Agent<br>92 Assigned by Buyer or Buyer's Agent | <b>C ID 1/2</b>  |
| N104      | 67           | <b>Identification Code</b><br>Code identifying a party or other code.<br><b>RECOMMENDED FOR USE BY PIDX</b>   | <b>C AN 2/17</b> |

**Segment: N2 Additional Name Information**

**Level:** Header

**Loop:** N1

**Usage:** Optional

**Max Use:** 2

**Purpose:** To specify additional names or those longer than 35 characters in length

**Data Element Summary**

| REF.<br>DES. | DATA<br>ELEMENT | NAME                           | ATTRIBUTES       |
|--------------|-----------------|--------------------------------|------------------|
| <b>N201</b>  | <b>93</b>       | <b>Name</b><br>Free-form name. | <b>M AN 1/35</b> |
| <b>N202</b>  | <b>93</b>       | <b>Name</b><br>Free-form name. | <b>O AN 1/35</b> |

**Segment: N3 Address Information**

**Level:** Header

**Loop:** N1

**Usage:** Optional

**Max Use:** 2

**Purpose:** To specify the location of the named party

**Data Element Summary**

| REF.<br>DES. | DATA<br>ELEMENT | NAME  | ATTRIBUTES |           |             |
|--------------|-----------------|---|------------|-----------|-------------|
| <b>N301</b>  | <b>166</b>      | <b>Address Information</b><br>Address information | <b>M</b>   | <b>AN</b> | <b>1/35</b> |
| <b>N302</b>  | <b>166</b>      | <b>Address Information</b><br>Address information | <b>O</b>   | <b>AN</b> | <b>1/35</b> |

**Segment: N4 Geographic Location**

**Level:** Header

**Loop:** N1

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify the geographic place of the named party

**Syntax:** 1 **R0105**

At least one of N401 or N405 is required.

2 **P0506**

If either N405 or N406 is present, then the other is required.

**Comments:** A A combination of either N401 through N404 (or N405 and N406) may be adequate to specify a location.

B N402 is required only if city name (N401) is in the USA or Canada.

**Data Element Summary**

| REF. DES. | DATA ELEMENT | NAME  | ATTRIBUTES |
|-----------|--------------|---|------------|
| N401      | 19           | <b>City Name</b><br>Free-form text for city name.   | C AN 2/30  |
| N402      | 156          | <b>State or Province Code</b><br>Code (Standard State/Province) as defined by appropriate government agency.<br><b>See External Code Source 22 in Section III for reference document.</b><br><br><b>Refer to API Bulletin D12A for applicable values.</b><br><br><b>Also refer to Code Source 22 in Appendix A for other applicable code values. If N404 is used, then the use of N401 - N403 is required.</b>  | O ID 2/2   |
| N403      | 116          | <b>Postal Code</b><br>Code defining international postal zone code excluding punctuation and blanks (zip code for United States).<br><b>See External Code Source 51 in Section III for reference document.</b><br><br><b>Refer to Code Source 51 in Appendix A for applicable code values.</b><br><br><b>For Canadian Postal Codes:</b><br><br><b>National Philatelic Centre</b><br><b>75 ST NINIAN ST Suite 100</b><br><b>ANIGONISH NS B2G 2R8</b><br><b>Canada</b><br><br><b>E-mail: service@mailposte.ca</b> | O ID 3/9   |
| N404      | 26           | <b>Country Code</b><br>Code identifying the country.<br><b>See External Code Source 5 in Section III for reference document.</b><br><br><b>Refer to API Bulletin D12A for applicable values.</b><br><br><b>Also refer to Code Source 22 in Appendix A for other applicable code values. If N404 is used, then the use of N401 - N403 is required.</b>   | O ID 2/3   |
| N405      | 309          | <b>Location Qualifier</b><br>Code identifying type of location.<br><b>NOT USED BY PIDX</b>  | C ID 1/2   |
| N406      | 310          | <b>Location Identifier</b><br>Code which identifies a specific location.<br><b>NOT USED BY PIDX</b>   | C AN 1/25  |

**Segment: PER Administrative Communications Contact**

**Level:** Header

**Loop:** N1

**Usage:** Optional

**Max Use:** 3

**Purpose:** To identify a person or office to whom administrative communications should be directed

**Syntax:** 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.

**Data Element Summary**

| REF. DES. | DATA ELEMENT | NAME  | ATTRIBUTES |    |      |
|-----------|--------------|---|------------|----|------|
| PER01     | 366          | <b>Contact Function Code</b><br>Code identifying the major duty or responsibility of the person or group named.<br><b>BD</b> Buyer Name or Department<br><b>DC</b> Delivery Contact<br><b>OC</b> Order Contact<br><b>SR</b> Sales Representative or Department  | M          | ID | 2/2  |
| PER02     | 93           | <b>Name</b><br>Free-form name.<br><b>RECOMMENDED FOR USE BY PIDX</b>  | O          | AN | 1/35 |
| PER03     | 365          | <b>Communication Number Qualifier</b><br>Code identifying the type of communication number.<br><b>ED</b> Electronic Data Interchange Access Number<br><b>ED qualifier is used pending the approval of a new qualifier for Employee Identification Code.</b><br><b>EM</b> Electronic Mail<br><b>FX</b> Facsimile<br><b>TE</b> Telephone<br><b>TL</b> Telex | C          | ID | 2/2  |
| PER04     | 364          | <b>Communication Number</b><br>Complete communications number including country or area code when applicable.   | C          | AN | 1/25 |
| PER05     | 365          | <b>Communication Number Qualifier</b><br>Code identifying the type of communication number.   | C          | ID | 2/2  |
| PER06     | 364          | <b>Communication Number</b><br>Complete communications number including country or area code when applicable.   | C          | AN | 1/25 |

**Segment: POC Line Item Change**

**Level:** Detail

**Loop:** POC    **Usage:** Optional    **Max Use:** 10000

**Usage:** Mandatory

**Max Use:** 1

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

**Syntax:** 1 **C030405**

If POC03 is present, then POC04 and POC05 are required.

2 **C0706**

If POC07 is present, then POC06 is required.

3 **C0809**

If POC08 is present, then POC09 is required.

4 **C1011**

If POC10 is present, then POC11 is required.

5 **C1213**

If POC12 is present, then POC13 is required.

6 **C1415**

If POC14 is present, then POC15 is required.

7 **C1617**

If POC16 is present, then POC17 is required.

8 **C1819**

If POC18 is present, then POC19 is required.

9 **C2021**

If POC20 is present, then POC21 is required.

10 **C2223**

If POC22 is present, then POC23 is required.

11 **C2425**

If POC24 is present, then POC25 is required.

12 **C2627**

If POC26 is present, then POC27 is required.

**Semantic:** 1 POC01 is the purchase order line item identification.

**Notes:** Quantity and price changes are the new value, not incremental value.

**Data Element Summary**

| REF. DES. | DATA ELEMENT | NAME   | ATTRIBUTES |
|-----------|--------------|--|------------|
| ➤         | POC01        | <b>350 Assigned Identification</b><br>Alphanumeric characters assigned for differentiation within a transaction set.<br><b>This is the purchase order line number and should correspond to the "Original" purchase order assigned identification number.</b> | O AN 1/11  |
| ➤         | POC02        | <b>670 Change or Response Type Code</b><br>Code specifying the type of change to the line item.  | M ID 2/2   |
| ➤         | POC03        | <b>330 Quantity Ordered</b><br>Quantity ordered.   | O R 1/9    |
|           | POC04        | <b>671 Quantity Left to Receive</b><br>Quantity left to receive as qualified by the unit of measure.   | C R 1/9    |
|           | POC05        | <b>355 Unit or Basis for Measurement Code</b><br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken  | C ID 2/2   |
|           | POC06        | <b>212 Unit Price</b><br>Price per unit of product, service, commodity, etc.   | C R 1/14   |
|           | POC07        | <b>639 Basis of Unit Price Code</b><br>Code identifying the type of unit price for an item.  | O ID 2/2   |

|              |            |  |                  |
|--------------|------------|--|------------------|
| <b>POC08</b> | <b>235</b> | <b>Product/Service ID Qualifier</b>  | <b>O ID 2/2</b>  |
|              |            | Code identifying the type/source of the descriptive number used in Product/Service ID (234).   |                  |
|              |            | <b>RECOMMENDED FOR USE BY PIDX</b>   |                  |
|              |            | <b>CB</b> Buyer's Catalog Number   |                  |
|              |            | <b>CG</b> Commodity Grouping   |                  |
|              |            | <b>The CG qualifier is to be used pending the approval of a new qualifier for Common Codes. WC is the proposed code. This will identify the WORLD CODE (CIMIS Number).</b> |                  |
|              |            | <b>CQ</b> Equipment Code per COPAS standard  |                  |
|              |            | <b>See External Code Source 61 in Section III for reference document.</b>  |                  |
|              |            | <b>IN</b> Buyer's Item Number  |                  |
|              |            | <b>MG</b> Manufacturer's Part Number   |                  |
|              |            | <b>MN</b> Model Number   |                  |
|              |            | <b>TP</b> Product Type Code  |                  |
|              |            | <b>VN</b> Vendor's (Seller's) Item Number  |                  |
| <b>POC09</b> | <b>234</b> | <b>Product/Service ID</b>  | <b>C AN 1/30</b> |
|              |            | Identifying number for a product or service.   |                  |
|              |            | <b>RECOMMENDED FOR USE BY PIDX</b>   |                  |
| <b>POC10</b> | <b>235</b> | <b>Product/Service ID Qualifier</b>  | <b>O ID 2/2</b>  |
|              |            | Code identifying the type/source of the descriptive number used in Product/Service ID (234).   |                  |
| <b>POC11</b> | <b>234</b> | <b>Product/Service ID</b>  | <b>C AN 1/30</b> |
|              |            | Identifying number for a product or service.   |                  |
| <b>POC12</b> | <b>235</b> | <b>Product/Service ID Qualifier</b>  | <b>O ID 2/2</b>  |
|              |            | Code identifying the type/source of the descriptive number used in Product/Service ID (234).   |                  |
| <b>POC13</b> | <b>234</b> | <b>Product/Service ID</b>  | <b>C AN 1/30</b> |
|              |            | Identifying number for a product or service.   |                  |
| <b>POC14</b> | <b>235</b> | <b>Product/Service ID Qualifier</b>  | <b>O ID 2/2</b>  |
|              |            | Code identifying the type/source of the descriptive number used in Product/Service ID (234).   |                  |
| <b>POC15</b> | <b>234</b> | <b>Product/Service ID</b>  | <b>C AN 1/30</b> |
|              |            | Identifying number for a product or service.   |                  |
| <b>POC16</b> | <b>235</b> | <b>Product/Service ID Qualifier</b>  | <b>O ID 2/2</b>  |
|              |            | Code identifying the type/source of the descriptive number used in Product/Service ID (234).   |                  |
| <b>POC17</b> | <b>234</b> | <b>Product/Service ID</b>  | <b>C AN 1/30</b> |
|              |            | Identifying number for a product or service.   |                  |
| <b>POC18</b> | <b>235</b> | <b>Product/Service ID Qualifier</b>  | <b>O ID 2/2</b>  |
|              |            | Code identifying the type/source of the descriptive number used in Product/Service ID (234).   |                  |
| <b>POC19</b> | <b>234</b> | <b>Product/Service ID</b>  | <b>C AN 1/30</b> |
|              |            | Identifying number for a product or service.   |                  |
| <b>POC20</b> | <b>235</b> | <b>Product/Service ID Qualifier</b>  | <b>O ID 2/2</b>  |
|              |            | Code identifying the type/source of the descriptive number used in Product/Service ID (234).   |                  |
| <b>POC21</b> | <b>234</b> | <b>Product/Service ID</b>  | <b>C AN 1/30</b> |
|              |            | Identifying number for a product or service.   |                  |
| <b>POC22</b> | <b>235</b> | <b>Product/Service ID Qualifier</b>  | <b>O ID 2/2</b>  |
|              |            | Code identifying the type/source of the descriptive number used in Product/Service ID (234).   |                  |

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|--------------|------------|---|------------------|
| <b>POC23</b> | <b>234</b> | <b>Product/Service ID</b><br>Identifying number for a product or service.   | <b>C AN 1/30</b> |
| <b>POC24</b> | <b>235</b> | <b>Product/Service ID Qualifier</b><br>Code identifying the type/source of the descriptive number used in Product/Service ID (234). | <b>O ID 2/2</b>  |
| <b>POC25</b> | <b>234</b> | <b>Product/Service ID</b><br>Identifying number for a product or service.   | <b>C AN 1/30</b> |
| <b>POC26</b> | <b>235</b> | <b>Product/Service ID Qualifier</b><br>Code identifying the type/source of the descriptive number used in Product/Service ID (234). | <b>O ID 2/2</b>  |
| <b>POC27</b> | <b>234</b> | <b>Product/Service ID</b><br>Identifying number for a product or service.   | <b>C AN 1/30</b> |

**Segment: PID Product/Item Description**

**Level:** Detail

**Loop:** POC/PID      **Usage:** Optional      **Max Use:** 1000

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To describe a product or process in coded or free-form format

**Syntax:** 1 **C0403**

If PID04 is present, then PID03 is required.

2 **R0405**

At least one of PID04 or PID05 is required.

3 **C0703**

If PID07 is present, then PID03 is required.

4 **C0803**

If PID08 is present, then PID03 is required.

**Semantic:** 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. A "N" indicates it does not apply. Any other value is indeterminate.

**Comments:** A If PID01 = "F", then PID05 is used. If PID01 = "S", then PID04 is used. If PID01 = "X", then both PID04 and PID05 are used.

B Use PID06 when necessary to refer to the product surface or layer being described in the segment.

C PID07 specifies the individual code list of the agency specified in PID03.

**Usage Note:** RECOMMENDED FOR USE BY PIDX

**Data Element Summary**

| REF. DES. | DATA ELEMENT | NAME   | ATTRIBUTES |    |      |
|-----------|--------------|--|------------|----|------|
| PID01     | 349          | <b>Item Description Type</b><br>Code indicating the format of a description.<br>F Free-form  | M          | ID | 1/1  |
| PID02     | 750          | <b>Product/Process Characteristic Code</b><br>Code identifying the general class of a product or process characteristic<br><b>NOT USED BY PIDX</b>           | O          | ID | 2/3  |
| PID03     | 559          | <b>Agency Qualifier Code</b><br>Code identifying the agency assigning the code values.<br><b>NOT USED BY PIDX</b>  | C          | ID | 2/2  |
| PID04     | 751          | <b>Product Description Code</b><br>A code from an industry code list which provides specific data about a product characteristic.<br><b>NOT USED BY PIDX</b> | C          | AN | 1/12 |
| PID05     | 352          | <b>Description</b><br>A free-form description to clarify the related data elements and their content.<br><b>RECOMMENDED FOR USE BY PIDX</b>                  | C          | AN | 1/80 |
| PID06     | 752          | <b>Surface/Layer/Position Code</b><br>Code indicating the product surface, layer or position that is being described.<br><b>NOT USED BY PIDX</b>             | O          | ID | 2/2  |
| PID07     | 822          | <b>Source Subqualifier</b><br>A reference that indicates the table or text maintained by the Source Qualifier.<br><b>NOT USED BY PIDX</b>                    | O          | AN | 1/15 |

|  |      |  |   |    |     |
|--|------|--|---|----|-----|
| PID08  | 1073 | <b>Yes/No Condition or Response Code</b> | O | ID | 1/1 |
| Code indicating a Yes or No condition or response. |      |  |   |    |     |
| <b>NOT USED BY PIDX</b>                            |      |  |   |    |     |

**Segment: PWK Paperwork**

**Level:** Detail

**Loop:** POC

**Usage:** Optional

**Max Use:** 25

**Purpose:** To identify the type and transmission of paperwork or supporting information

**Syntax:** 1 **P0506**

If either PWK05 or PWK06 is present, then the other is required.

**Comments:** A PWK05 and PWK06 may be used to identify the addressee by a code number.

B PWK07 may be used to indicate special information to be shown on the specified report.

C PWK08 may be used to indicate action pertaining to a report.

**Notes:** This segment should be used only if "Attached" paperwork is applicable.

The PWK segment is not commonly used at both the Header and Detail Level. It is preferred to be used at the Header Level or Detail Level, but not both.

**Data Element Summary**

| REF. DES. | DATA ELEMENT | NAME  | ATTRIBUTES      |
|-----------|--------------|---|-----------------|
| PWK01     | 755          | <b>Report Type Code</b>   | <b>M ID 2/2</b> |
|           |              | Code indicating the title or contents of a document, report or supporting item  |                 |
|           |              | <b>The business being conducted may require other Report Type Codes, but those listed below are recommended and will cover a large portion of the transactions.</b> |                 |
|           |              | 12 Mechanical Properties  |                 |
|           |              | BM Bill of Material   |                 |
|           |              | CT Certification  |                 |
|           |              | IT Certified Inspection and Test Results  |                 |
|           |              | MS Material Safety Data Sheet   |                 |
|           |              | PJ Purchasing Specification   |                 |
|           |              | SI Seller Inventory Report  |                 |
| PWK02     | 756          | <b>Report Transmission Code</b>   | <b>O ID 2/2</b> |
|           |              | Code defining timing, transmission method or format by which reports are to be sent   |                 |
|           |              | <b>The preferred method should always be first in an X12 transaction set, if available, but electronically never the less.</b>                                      |                 |
|           |              | AE Electronically After Shipping  |                 |
|           |              | BM By Mail  |                 |
|           |              | EL Electronically Only  |                 |
|           |              | FX By Fax   |                 |
| PWK03     | 757          | <b>Report Copies Needed</b>   | <b>O NO 1/2</b> |
|           |              | The number of copies of a report that should be sent to the addressee.  |                 |
|           |              | <b>NOT USED BY PIDX</b>   |                 |
| PWK04     | 98           | <b>Entity Identifier Code</b>   | <b>O ID 2/2</b> |
|           |              | Code identifying an organizational entity, a physical location, or an individual  |                 |
|           |              | <b>NOT USED BY PIDX</b>   |                 |
| PWK05     | 66           | <b>Identification Code Qualifier</b>  | <b>C ID 1/2</b> |
|           |              | Code designating the system/method of code structure used for Identification Code (67).   |                 |
|           |              | <b>NOT USED BY PIDX</b>   |                 |

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|-------------------------|------------|---|------------------|
| <b>PWK06</b>            | <b>67</b>  | <b>Identification Code</b><br>Code identifying a party or other code.   | <b>C AN 2/17</b> |
| <b>NOT USED BY PIDX</b> |            |   |                  |
| <b>PWK07</b>            | <b>352</b> | <b>Description</b><br>A free-form description to clarify the related data elements and their content.   | <b>O AN 1/80</b> |
| <b>NOT USED BY PIDX</b> |            |   |                  |
| <b>PWK08</b>            | <b>704</b> | <b>Paperwork/Report Action Code</b><br>Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required. | <b>O ID 1/2</b>  |
| <b>NOT USED BY PIDX</b> |            |   |                  |

**Segment: PKG Marking, Packaging, Loading**

**Level:** Detail

**Loop:** POC

**Usage:** Optional

**Max Use:** 200

**Purpose:** To describe marking, packaging, loading and unloading requirements.

**Syntax:** 1 **R040506**

At least one of PKG04, PKG05 or PKG06 is required.

2 **C0401**

If PKG04 is present, then PKG01 is required.

3 **C0501**

If PKG05 is present, then PKG01 is required.

**Semantic:** 1 PKG04 should be used for industry-specific packaging description codes.

**Comments:** A Use MEA (Measurements) segment to define dimensions, tolerances weights, counts, physical restrictions, etc.

B If PKG01 = "F", then PKG05 is used. If PKG01 = "S", then PKG04 is used. If PKG01 = "X", then both PKG04 and PKG05 are used.

C Use PKG03 to indicate the organization that publishes the code list being referred to.

D Special marking or tagging data can be given in PKG05 (Description).

**Notes:** Use only for International Shipments.

**Data Element Summary**

| REF. DES. | DATA ELEMENT | NAME   | ATTRIBUTES |
|-----------|--------------|--|------------|
| PKG01     | 349          | <b>Item Description Type</b><br>Code indicating the format of a description.<br>F Free-form  | C ID 1/1   |
| PKG02     | 753          | <b>Packaging Characteristic Code</b><br>Code specifying the marking, packaging, loading and related characteristics being described.<br>34 Product Marking<br>35 Type of Package<br>36 Package Specifications<br>68 Skid/Pallet Type | O ID 1/5   |
| PKG03     | 559          | <b>Agency Qualifier Code</b><br>Code identifying the agency assigning the code values.<br><b>NOT USED BY PIDX</b>  | C ID 2/2   |
| PKG04     | 754          | <b>Packaging Description Code</b><br>A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product.<br><b>NOT USED BY PIDX</b>                                   | C AN 1/7   |
| PKG05     | 352          | <b>Description</b><br>A free-form description to clarify the related data elements and their content.  | C AN 1/80  |
| PKG06     | 400          | <b>Unit Load Option Code</b><br>Code identifying loading or unloading a shipment<br><b>NOT USED BY PIDX</b>  | O ID 2/2   |

**Segment: REF Reference Numbers**

**Level:** Detail

**Loop:** POC

**Usage:** Optional

**Max Use:** 12

**Purpose:** To specify identifying numbers.

**Syntax: 1 R0203**

At least one of REF02 or REF03 is required.

**Notes:** The REF segment is not commonly used at both the Header and Detail Level. It is preferred to be used at the Header Level or Detail Level, but not both. It may be used at both the Header Level and Detail Level where business issues dictate between trading partners.

This segment is not to be used for additional "Ship To" information.

The REF segment is used for Accounting description and/or codes. If used, at least one of the following qualifiers is required which is provided by the customer: "AE", "CR", "DJ", "LU", or "WN". The direction of PIDX is to move toward the use of a single qualifier ("CR").

This segment should be used when an EDI Purchase Order/Release Number is not issued by the trading partner.

**Data Element Summary**

| REF.<br>DES. | DATA<br>ELEMENT | NAME  | ATTRIBUTES       |
|--------------|-----------------|---|------------------|
| REF01        | 128             | <b>Reference Number Qualifier</b><br>Code qualifying the Reference Number.<br><b>AE</b> Authorization for Expense (AFE) Number<br><b>CR</b> Customer Reference Number<br><b>DJ</b> Delivery Ticket Number<br><b>LU</b> Location Number<br><b>WN</b> Well Number | <b>M ID 2/2</b>  |
| REF02        | 127             | <b>Reference Number</b><br>Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.  | <b>C AN 1/30</b> |
| REF03        | 352             | <b>Description</b><br>A free-form description to clarify the related data elements and their content.   | <b>C AN 1/80</b> |

**Segment: PER Administrative Communications Contact**

**Level:** Detail  
**Loop:** POC  
**Usage:** Optional

**Max Use:** 3

**Purpose:** To identify a person or office to whom administrative communications should be directed

**Syntax:** 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.

**Notes:** This PER segment in the Detail section should not be used if used in the Header section.

**Data Element Summary**

| REF. DES.                          | DATA ELEMENT | NAME  | ATTRIBUTES       |
|------------------------------------|--------------|---|------------------|
| PER01                              | 366          | <b>Contact Function Code</b><br>Code identifying the major duty or responsibility of the person or group named.<br><b>BD</b> Buyer Name or Department<br><b>DC</b> Delivery Contact<br><b>OC</b> Order Contact<br><b>SR</b> Sales Representative or Department  | <b>M ID 2/2</b>  |
| PER02                              | 93           | <b>Name</b><br>Free-form name.  | <b>O AN 1/35</b> |
| <b>RECOMMENDED FOR USE BY PIDX</b> |              |   |                  |
| PER03                              | 365          | <b>Communication Number Qualifier</b><br>Code identifying the type of communication number.<br><b>ED</b> Electronic Data Interchange Access Number<br><b>ED Qualifier is used pending the approval of a new qualifier for Employee Identification Code.</b><br><b>EM</b> Electronic Mail<br><b>FX</b> Facsimile<br><b>TE</b> Telephone<br><b>TL</b> Telex | <b>C ID 2/2</b>  |
| PER04                              | 364          | <b>Communication Number</b><br>Complete communications number including country or area code when applicable.   | <b>C AN 1/25</b> |
| PER05                              | 365          | <b>Communication Number Qualifier</b><br>Code identifying the type of communication number.   | <b>C ID 2/2</b>  |
| PER06                              | 364          | <b>Communication Number</b><br>Complete communications number including country or area code when applicable.   | <b>C AN 1/25</b> |

**Segment: SSS Special Services**

**Level:** Detail

**Loop:** POC

**Usage:** Optional

**Max Use:** 25

**Purpose:** To specify special conditions or services associated with the purchased product

**Comments: A** SSS02 identifies the source of the code value in SSS03.

**B** SSS07 (Description) is normally used to clarify/expand on the services to be provided.

**C** SSS09 specifies the individual code list of the agency specified in SSS02.

**Data Element Summary**

| REF. DES. | DATA ELEMENT | NAME   | ATTRIBUTES |    |      |
|-----------|--------------|--|------------|----|------|
| SSS01     | 248          | <b>Allowance or Charge Indicator</b><br>Code which indicates an allowance or charge for the service specified.                     | M          | ID | 1/1  |
| SSS02     | 559          | <b>Agency Qualifier Code</b><br>Code identifying the agency assigning the code values.   | M          | ID | 2/2  |
| SSS03     | 560          | <b>Special Services Code</b><br>Code identifying the special service.  | M          | ID | 2/10 |
| SSS04     | 561          | <b>Service Marks and Numbers</b><br>Data used to identify the performance of the service specified by Special Services Code (560). | O          | AN | 1/45 |
| SSS05     | 359          | <b>Allowance or Charge Rate</b><br>Allowance or Charge Rate per Unit.  | O          | R  | 1/9  |
| SSS06     | 360          | <b>Allowance or Charge Total Amount</b><br>Total dollar amount for the allowance or charge.  | O          | N2 | 1/9  |
| SSS07     | 352          | <b>Description</b><br>A free-form description to clarify the related data elements and their content.                              | O          | AN | 1/80 |
| SSS08     | 380          | <b>Quantity</b><br>Numeric value of quantity.  | O          | R  | 1/15 |
| SSS09     | 822          | <b>Source Subqualifier</b><br>A reference that indicates the table or text maintained by the Source Qualifier.                     | O          | AN | 1/15 |

**Segment: ITA Allowance, Charge or Service**

**Level:** Detail  
**Loop:** POC  
**Usage:** Optional

**Max Use:** 10

**Purpose:** To specify allowances, charges or services

**Syntax:** 1 **L02031314**

If ITA02 is present, then at least one of ITA03, ITA13 or ITA14 is required.

2 **C0809**

If ITA08 is present, then ITA09 is required.

3 **C1011**

If ITA10 is present, then ITA11 is required.

4 **C1502**

If ITA15 is present, then ITA02 is required.

**Semantic:** 1 ITA12 is the quantity of free goods.

**Comments:** A If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present.

B ITA02 identifies the source of the code value in ITA03 or ITA14.

C If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.

D ITA13 is used to clarify the allowance, charge or service.

E ITA15 specifies the individual code list of the agency specified in ITA02.

F ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

**Data Element Summary**

| REF. DES. | DATA ELEMENT | NAME   | ATTRIBUTES |    |      |
|-----------|--------------|--|------------|----|------|
| ITA01     | 248          | <b>Allowance or Charge Indicator</b><br>Code which indicates an allowance or charge for the service specified.<br>A Allowance<br>C Charge                                  | M          | ID | 1/1  |
| ▶ ITA02   | 559          | <b>Agency Qualifier Code</b><br>Code identifying the agency assigning the code values.<br>AX ANSI Accredited Standards Committee, X12.                                     | C          | ID | 2/2  |
| ITA03     | 560          | <b>Special Services Code</b><br>Code identifying the special service.<br><b>NOT RECOMMENDED FOR USE BY PIDX</b>  | C          | ID | 2/10 |
| ITA04     | 331          | <b>Allowance or Charge Method of Handling Code</b><br>Code indicating method of handling for an allowance or charge.<br>02 Off Invoice<br>06 Charge to be Paid by Customer | M          | ID | 2/2  |
| ITA05     | 341          | <b>Allowance or Charge Number</b><br>The number assigned by a vendor referencing an allowance, promotion, deal or charge.  | O          | AN | 1/16 |
| ITA06     | 359          | <b>Allowance or Charge Rate</b><br>Allowance or Charge Rate per Unit.  | O          | R  | 1/9  |
| ▶ ITA07   | 360          | <b>Allowance or Charge Total Amount</b><br>Total dollar amount for the allowance or charge.  | O          | N2 | 1/9  |
| ITA08     | 378          | <b>Allowance/ Charge Percent Qualifier</b><br>Code indicating on what basis allowance or charge percent is calculated.   | O          | ID | 1/1  |
| ITA09     | 332          | <b>Allowance or Charge Percent</b><br>Allowance or charge expressed as a percent.  | C          | R  | 1/6  |

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|  |            |   |             |             |
|--|------------|---|-------------|-------------|
| <b>ITA10</b>   | <b>339</b> | <b>Allowance or Charge Quantity</b><br>Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity.           | <b>O R</b>  | <b>1/10</b> |
| <b>ITA11</b>   | <b>355</b> | <b>Unit or Basis for Measurement Code</b><br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | <b>C ID</b> | <b>2/2</b>  |
| <b>ITA12</b>   | <b>380</b> | <b>Quantity</b><br>Numeric value of quantity.   | <b>O R</b>  | <b>1/15</b> |
| <b>ITA13</b>   | <b>352</b> | <b>Description</b><br>A free-form description to clarify the related data elements and their content.   | <b>C AN</b> | <b>1/80</b> |
| <b>RECOMMENDED FOR USE BY PIDX</b>   |            |   |             |             |
| <b>If additional information is available in ITA14, ITA13 should contain that description.</b>   |            |   |             |             |
| <b>ITA14</b>   | <b>150</b> | <b>Special Charge or Allowance Code</b><br>Code identifying type of special charge or allowance.  | <b>C ID</b> | <b>3/3</b>  |
| <b>RECOMMENDED FOR USE BY PIDX</b>   |            |   |             |             |
| <b>These are recommended codes. Try to use these codes if possible. If not applicable, any relevant code in Table 150 may be used.</b> |            |   |             |             |
| <b>400</b> Freight   |            |   |             |             |
| <b>405</b> Fuel Surcharge  |            |   |             |             |
| <b>690</b> Special Handling Service  |            |   |             |             |
| <b>DSC</b> Discount  |            |   |             |             |
| <b>INC</b> Insurance Surcharge   |            |   |             |             |
| <b>LAE</b> One-Time License Fee  |            |   |             |             |
| <b>RAK</b> Royalties   |            |   |             |             |
| <b>ITA15</b>   | <b>822</b> | <b>Source Subqualifier</b><br>A reference that indicates the table or text maintained by the Source Qualifier.  | <b>O AN</b> | <b>1/15</b> |
| <b>NOT RECOMMENDED FOR USE BY PIDX</b>   |            |   |             |             |
| <b>ITA16</b>   | <b>662</b> | <b>Price Relationship Code</b><br>Code indicating the relationship of the price or amount to the associated segment.  | <b>O ID</b> | <b>1/1</b>  |
| <b>NOT RECOMMENDED FOR USE BY PIDX</b>   |            |   |             |             |

**Segment: TAX Tax Reference**

**Level:** Detail

**Loop:** POC

**Usage:** Optional

**Max Use:** 3

**Purpose:** To provide data required for proper notification/determination of applicable taxes applying to the transaction or business described in the transaction

**Syntax: 1 R0103**

At least one of TAX01 or TAX03 is required.

**2 P0203**

If either TAX02 or TAX03 is present, then the other is required.

**3 P0405**

If either TAX04 or TAX05 is present, then the other is required.

**4 P0607**

If either TAX06 or TAX07 is present, then the other is required.

**5 P0809**

If either TAX08 or TAX09 is present, then the other is required.

**6 P1011**

If either TAX10 or TAX11 is present, then the other is required.

**Comments: A** Tax ID number is, in many instances, referred to as a "Tax Exemption Number." The paired (combined) use of data elements 309 and 310 provides for the designation of five (5) taxing jurisdictions.

**B** TAX01 is required if tax exemption is being claimed.

**Notes:** It is PIDX's recommendation that the TAX segment be provided at the Detail Level to support tax exemptions. However, many systems cannot provide Detail Level TAX segments at this time, therefore, the TAX at the Detail Level is not currently required.

**Data Element Summary**

| REF. DES. | DATA ELEMENT | NAME   | ATTRIBUTES |
|-----------|--------------|--|------------|
| TAX01     | 325          | <b>Tax Identification Number</b><br>Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.), often called a tax exemption number or certificate number. | C AN 1/20  |
| TAX02     | 309          | <b>Location Qualifier</b><br>Code identifying type of location.  | C ID 1/2   |
| TAX03     | 310          | <b>Location Identifier</b><br>Code which identifies a specific location.   | C AN 1/25  |
| TAX04     | 309          | <b>Location Qualifier</b><br>Code identifying type of location.  | C ID 1/2   |
| TAX05     | 310          | <b>Location Identifier</b><br>Code which identifies a specific location.   | C AN 1/25  |
| TAX06     | 309          | <b>Location Qualifier</b><br>Code identifying type of location.  | C ID 1/2   |
| TAX07     | 310          | <b>Location Identifier</b><br>Code which identifies a specific location.   | C AN 1/25  |
| TAX08     | 309          | <b>Location Qualifier</b><br>Code identifying type of location.  | C ID 1/2   |
| TAX09     | 310          | <b>Location Identifier</b><br>Code which identifies a specific location.   | C AN 1/25  |
| TAX10     | 309          | <b>Location Qualifier</b><br>Code identifying type of location.  | C ID 1/2   |
| TAX11     | 310          | <b>Location Identifier</b><br>Code which identifies a specific location.   | C AN 1/25  |

**TAX12 441 Tax Exempt Code**  
Code identifying exemption status from sales and use tax.

**O ID 1/1**

**Segment: DTM** Date/Time Reference

**Level:** Detail

**Loop:** POC

**Usage:** Optional

**Max Use:** 10

**Purpose:** To specify pertinent dates and times

**Syntax:** 1 R0203

At least one of DTM02 or DTM03 is required.

**Notes:** DTM Segment is not commonly used at the Header Level and Detail Level. It is preferred to be used at the Header Level or Detail Level, not both.

**Data Element Summary**

| REF. DES. | DATA ELEMENT | NAME   | ATTRIBUTES |    |     |
|-----------|--------------|--|------------|----|-----|
| DTM01     | 374          | <b>Date/Time Qualifier</b><br>Code specifying type of date or time, or both date and time.<br>002 Delivery Requested<br>010 Requested Ship<br>074 Requested for Delivery (Prior to and Including)<br>079 Promised for Shipment<br>150 Service Period Start<br>151 Service Period End   | M          | ID | 3/3 |
| DTM02     | 373          | <b>Date</b><br>Date (YYMMDD).  | C          | DT | 6/6 |
| DTM03     | 337          | <b>Time</b><br>Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)   | C          | TM | 4/6 |
| DTM04     | 623          | <b>Time Code</b><br>Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time. Since + is a restricted character, + and - are substituted by P and M in the codes that follow.<br><b>See External Code Source 94 in Section III for reference document.</b> | O          | ID | 2/2 |
| DTM05     | 624          | <b>Century</b><br>The first two characters in the designation of the year (CCYY).  | O          | NO | 2/2 |

**Segment: SCH** Line Item Schedule

**Level:** Detail  
**Loop:** POC  
**Usage:** Optional

**Max Use:** 200

**Purpose:** To specify the data for scheduling a specific line item.

**Syntax:** 1 **C0304**  
If SCH03 is present, then SCH04 is required.  
2 **C0908**  
If SCH09 is present, then SCH08 is required.

**Comments:** A SCH05 specifies the interpretation to be used for SCH06 and SCH07.

**Notes:** Do not use if using a DTM Segment. This segment is ONLY to be used when the line item requires multiple shipping quantities for specific dates.

**Data Element Summary**

| REF. DES. | DATA ELEMENT | NAME   | ATTRIBUTES |
|-----------|--------------|--|------------|
| SCH01     | 380          | <b>Quantity</b><br>Numeric value of quantity.  | M R 1/15   |
| SCH02     | 355          | <b>Unit or Basis for Measurement Code</b><br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken  | M ID 2/2   |
| SCH03     | 98           | <b>Entity Identifier Code</b><br>Code identifying an organizational entity, a physical location, or an individual<br><b>NOT USED BY PIDX</b>   | O ID 2/2   |
| SCH04     | 93           | <b>Name</b><br>Free-form name.<br><b>NOT USED BY PIDX</b>  | C AN 1/35  |
| SCH05     | 374          | <b>Date/Time Qualifier</b><br>Code specifying type of date or time, or both date and time.<br>002 Delivery Requested<br>010 Requested Ship<br>074 Requested for Delivery (Prior to and Including)<br>079 Promised for Shipment<br>150 Service Period Start<br>151 Service Period End | M ID 3/3   |
| SCH06     | 373          | <b>Date</b><br>Date (YYMMDD).  | M DT 6/6   |
| SCH07     | 337          | <b>Time</b><br>Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)   | O TM 4/6   |
| SCH08     | 374          | <b>Date/Time Qualifier</b><br>Code specifying type of date or time, or both date and time.<br><b>NOT USED BY PIDX</b>  | C ID 3/3   |
| SCH09     | 373          | <b>Date</b><br>Date (YYMMDD).<br><b>NOT USED BY PIDX</b>   | O DT 6/6   |
| SCH10     | 337          | <b>Time</b><br>Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)<br><b>NOT USED BY PIDX</b>  | O TM 4/6   |
| SCH11     | 326          | <b>Request Reference Number</b><br>Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number).   | O AN 1/45  |

**Segment: TD5 Carrier Details (Routing Sequence/Transit Time)**

**Level:** Detail  
**Loop:** POC  
**Usage:** Optional

**Max Use:** 12

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

**Syntax: 1 R0204050612**

At least one of TD502, TD504, TD505, TD506 or TD512 is required.

**2 C0203**

If TD502 is present, then TD503 is required.

**3 C0708**

If TD507 is present, then TD508 is required.

**4 C1011**

If TD510 is present, then TD511 is required.

**Comments: A** When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement: use TD502 to identify the party responsible for defining the routing sequence; use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

**Notes: TD5 Segment is not commonly used at both the Header and Detail Level. It is preferred to be used at the Header Level or Detail Level, NOT BOTH.**

**Data Element Summary**

| REF. DES. | DATA ELEMENT | NAME   | ATTRIBUTES       |
|-----------|--------------|--|------------------|
| TD501     | 133          | <b>Routing Sequence Code</b><br>Code describing the relationship of a carrier to a specific shipment movement.<br><b>B</b> Origin/Delivery Carrier (Any Mode)<br><b>O</b> Origin Carrier (Air, Motor, or Ocean)  | <b>O ID 1/2</b>  |
| TD502     | 66           | <b>Identification Code Qualifier</b><br>Code designating the system/method of code structure used for Identification Code (67).<br><b>30</b> American Petroleum Institute Location Code<br><b>6</b> Plant Code<br><b>7</b> Dock  | <b>C ID 1/2</b>  |
| TD503     | 67           | <b>Identification Code</b><br>Code identifying a party or other code.  | <b>C AN 2/17</b> |
| TD504     | 91           | <b>Transportation Method/Type Code</b><br>Code specifying the method or type of transportation for the shipment.<br><b>A</b> Air<br><b>AE</b> Air Express<br><b>D</b> Parcel Post<br><b>E</b> Expedited Truck<br><b>H</b> Customer Pickup<br><b>M</b> Motor (Common Carrier)<br><b>R</b> Rail<br><b>S</b> Ocean<br><b>SR</b> Supplier Truck<br><b>T</b> Best Way (Shippers Option) | <b>C ID 1/2</b>  |
| TD505     | 387          | <b>Routing</b><br>Free-form description of the routing or requested routing for shipment, or the originating carrier's identity.   | <b>C AN 1/35</b> |

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|              |            |  |          |           |             |
|--------------|------------|--|----------|-----------|-------------|
| <b>TD506</b> | <b>368</b> | <b>Shipment/Order Status Code</b><br>Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction. | <b>C</b> | <b>ID</b> | <b>2/2</b>  |
| <b>TD507</b> | <b>309</b> | <b>Location Qualifier</b><br>Code identifying type of location.  | <b>O</b> | <b>ID</b> | <b>1/2</b>  |
| <b>TD508</b> | <b>310</b> | <b>Location Identifier</b><br>Code which identifies a specific location.   | <b>C</b> | <b>AN</b> | <b>1/25</b> |
| <b>TD509</b> | <b>731</b> | <b>Transit Direction Code</b><br>The point of origin and point of direction.   | <b>O</b> | <b>ID</b> | <b>2/2</b>  |
| <b>TD510</b> | <b>732</b> | <b>Transit Time Direction Qualifier</b><br>Code specifying the value of time used to measure the transit time.   | <b>O</b> | <b>ID</b> | <b>2/2</b>  |
| <b>TD511</b> | <b>733</b> | <b>Transit Time</b><br>The numeric amount of transit time.   | <b>C</b> | <b>R</b>  | <b>1/4</b>  |
| <b>TD512</b> | <b>284</b> | <b>Service Level Code</b><br>Code defining service   | <b>C</b> | <b>ID</b> | <b>2/2</b>  |

**Segment: N1 Name**

**Level:** Detail

**Loop:** POC/N1      **Usage:** Optional      **Max Use:** 200

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To identify a party by type of organization, name and code

**Syntax:** 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: A** 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.

**Notes:** This segment is not for additional "Ship To" Information.

This segment is for the identification of the manufacturer of the item in the POC segment.

**Data Element Summary**

| REF. DES. | DATA ELEMENT | NAME   | ATTRIBUTES       |
|-----------|--------------|--|------------------|
| N101      | 98           | <b>Entity Identifier Code</b><br>Code identifying an organizational entity, a physical location, or an individual<br><b>MF</b> Manufacturer of Goods       | <b>M ID 2/2</b>  |
| N102      | 93           | <b>Name</b><br>Free-form name.   | <b>C AN 1/35</b> |
| N103      | 66           | <b>Identification Code Qualifier</b><br>Code designating the system/method of code structure used for Identification Code (67).<br><b>NOT USED BY PIDX</b> | <b>C ID 1/2</b>  |
| N104      | 67           | <b>Identification Code</b><br>Code identifying a party or other code.<br><b>NOT USED BY PIDX</b>   | <b>C AN 2/17</b> |

**Segment: N2 Additional Name Information**

**Level:** Detail

**Loop:** POC/N1

**Usage:** Optional

**Max Use:** 2

**Purpose:** To specify additional names or those longer than 35 characters in length

**Data Element Summary**

| REF.<br>DES. | DATA<br>ELEMENT | NAME                           | ATTRIBUTES       |
|--------------|-----------------|--------------------------------|------------------|
| <b>N201</b>  | <b>93</b>       | <b>Name</b><br>Free-form name. | <b>M AN 1/35</b> |
| <b>N202</b>  | <b>93</b>       | <b>Name</b><br>Free-form name. | <b>O AN 1/35</b> |

**Segment: N3 Address Information**

**Level:** Detail

**Loop:** POC/N1

**Usage:** Optional

**Max Use:** 2

**Purpose:** To specify the location of the named party

**Data Element Summary**

| REF.<br>DES. | DATA<br>ELEMENT | NAME  | ATTRIBUTES |           |             |
|--------------|-----------------|---|------------|-----------|-------------|
| <b>N301</b>  | <b>166</b>      | <b>Address Information</b><br>Address information | <b>M</b>   | <b>AN</b> | <b>1/35</b> |
| <b>N302</b>  | <b>166</b>      | <b>Address Information</b><br>Address information | <b>O</b>   | <b>AN</b> | <b>1/35</b> |

**Segment: N4 Geographic Location**

**Level:** Detail  
**Loop:** POC/N1  
**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify the geographic place of the named party

**Syntax:** 1 **R0105**  
At least one of N401 or N405 is required.

2 **P0506**  
If either N405 or N406 is present, then the other is required.

**Comments:** A A combination of either N401 through N404 (or N405 and N406) may be adequate to specify a location.

B N402 is required only if city name (N401) is in the USA or Canada.

**Data Element Summary**

| REF. DES. | DATA ELEMENT | NAME   | ATTRIBUTES |
|-----------|--------------|--|------------|
| N401      | 19           | <b>City Name</b><br>Free-form text for city name.  | C AN 2/30  |
| N402      | 156          | <b>State or Province Code</b><br>Code (Standard State/Province) as defined by appropriate government agency.<br><b>See External Code Source 22 in Section III for reference document.</b><br><br><b>Code list in:</b><br><u>STATES AND OUTLYING AREAS OF THE USA</u><br>(SD) Catalog No. C52. 13:5-1<br><br><b>Available from:</b><br>Superintendent of Documents<br>U.S. Government Printing Office<br>Washington, DC 20402<br><br><b>Code list in:</b><br><u>STATES AND OUTLYING AREAS OF THE USA</u><br>(SD) Catalog No. C52. 13:5-1<br><br><b>Available from:</b><br>Superintendent of Documents<br>U.S. Government Printing Office<br>Washington, DC 20402<br><br><b>Refer to API Bulletin D12A for applicable values.</b><br><br><b>Also refer to Code Source 22 in Appendix A for other applicable code values.</b><br><b>If N404 is used, then the use of N401 - N403 is required.</b> | O ID 2/2   |
| N403      | 116          | <b>Postal Code</b><br>Code defining international postal zone code excluding punctuation and blanks (zip code for United States).<br><b>See External Code Source 51 in Section III for reference document.</b>   | O ID 3/9   |
| N404      | 26           | <b>Country Code</b><br>Code identifying the country.<br><b>See External Code Source 5 in Section III for reference document.</b>   | O ID 2/3   |

Refer to Code Source 51 in Appendix A for applicable code values.

For Canadian Postal Codes:

National Philatelic Centre  
75 ST NINIAN ST Suite 100  
ANIGONISH NS B2G 2R8  
Canada

E-mail: [service@mailposte.ca](mailto:service@mailposte.ca)

Available from:  
American National Standards Institute  
1430 Broadway  
New York, NY 10018

Refer to API Bulletin D12A

|             |            |  |          |           |             |
|-------------|------------|--|----------|-----------|-------------|
| <b>N405</b> | <b>309</b> | <b>Location Qualifier</b><br>Code identifying type of location.          | <b>C</b> | <b>ID</b> | <b>1/2</b>  |
| <b>N406</b> | <b>310</b> | <b>Location Identifier</b><br>Code which identifies a specific location. | <b>C</b> | <b>AN</b> | <b>1/25</b> |

**Segment: SLN Subline Item Detail**

**Level:** Detail

**Loop:** POC/SLN      **Usage:** Optional      **Max Use:** 1000

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To specify product subline detail item data

**Syntax:** 1 **C0706**

If SLN07 is present, then SLN06 is required.

2 **C0806**

If SLN08 is present, then SLN06 is required.

3 **C0910**

If SLN09 is present, then SLN10 is required.

4 **C1112**

If SLN11 is present, then SLN12 is required.

5 **C1314**

If SLN13 is present, then SLN14 is required.

6 **C1516**

If SLN15 is present, then SLN16 is required.

7 **C1718**

If SLN17 is present, then SLN18 is required.

8 **C1920**

If SLN19 is present, then SLN20 is required.

9 **C2122**

If SLN21 is present, then SLN22 is required.

10 **C2324**

If SLN23 is present, then SLN24 is required.

11 **C2526**

If SLN25 is present, then SLN26 is required.

12 **C2728**

If SLN27 is present, then SLN28 is required.

**Semantic:** 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.

**Comments:** A See the Data Dictionary for a complete list of ID's.

B 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.

C SLN09 through SLN28 provide for ten (10) different product/service ID's for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

**Data Element Summary**

| REF. DES. | DATA ELEMENT | NAME  | ATTRIBUTES |    |      |
|-----------|--------------|---|------------|----|------|
| SLN01     | 350          | <b>Assigned Identification</b><br>Alphanumeric characters assigned for differentiation within a transaction set.  | M          | AN | 1/11 |
| SLN02     | 350          | <b>Assigned Identification</b><br>Alphanumeric characters assigned for differentiation within a transaction set.  | O          | AN | 1/11 |
| SLN03     | 661          | <b>Configuration Code</b><br>Code indicating the relationship of the subline item to the baseline item.   | M          | ID | 1/1  |
| SLN04     | 380          | <b>Quantity</b><br>Numeric value of quantity.   | M          | R  | 1/15 |
| SLN05     | 355          | <b>Unit or Basis for Measurement Code</b><br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | M          | ID | 2/2  |

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|--------------|------------|---|-------------|-------------|
| <b>SLN06</b> | <b>212</b> | <b>Unit Price</b><br>Price per unit of product, service, commodity, etc.  | <b>C R</b>  | <b>1/14</b> |
| <b>SLN07</b> | <b>639</b> | <b>Basis of Unit Price Code</b><br>Code identifying the type of unit price for an item.   | <b>O ID</b> | <b>2/2</b>  |
| <b>SLN08</b> | <b>662</b> | <b>Price Relationship Code</b><br>Code indicating the relationship of the price or amount to the associated segment.                | <b>O ID</b> | <b>1/1</b>  |
| <b>SLN09</b> | <b>235</b> | <b>Product/Service ID Qualifier</b><br>Code identifying the type/source of the descriptive number used in Product/Service ID (234). | <b>O ID</b> | <b>2/2</b>  |
| <b>SLN10</b> | <b>234</b> | <b>Product/Service ID</b><br>Identifying number for a product or service.   | <b>C AN</b> | <b>1/30</b> |
| <b>SLN11</b> | <b>235</b> | <b>Product/Service ID Qualifier</b><br>Code identifying the type/source of the descriptive number used in Product/Service ID (234). | <b>O ID</b> | <b>2/2</b>  |
| <b>SLN12</b> | <b>234</b> | <b>Product/Service ID</b><br>Identifying number for a product or service.   | <b>C AN</b> | <b>1/30</b> |
| <b>SLN13</b> | <b>235</b> | <b>Product/Service ID Qualifier</b><br>Code identifying the type/source of the descriptive number used in Product/Service ID (234). | <b>O ID</b> | <b>2/2</b>  |
| <b>SLN14</b> | <b>234</b> | <b>Product/Service ID</b><br>Identifying number for a product or service.   | <b>C AN</b> | <b>1/30</b> |
| <b>SLN15</b> | <b>235</b> | <b>Product/Service ID Qualifier</b><br>Code identifying the type/source of the descriptive number used in Product/Service ID (234). | <b>O ID</b> | <b>2/2</b>  |
| <b>SLN16</b> | <b>234</b> | <b>Product/Service ID</b><br>Identifying number for a product or service.   | <b>C AN</b> | <b>1/30</b> |
| <b>SLN17</b> | <b>235</b> | <b>Product/Service ID Qualifier</b><br>Code identifying the type/source of the descriptive number used in Product/Service ID (234). | <b>O ID</b> | <b>2/2</b>  |
| <b>SLN18</b> | <b>234</b> | <b>Product/Service ID</b><br>Identifying number for a product or service.   | <b>C AN</b> | <b>1/30</b> |
| <b>SLN19</b> | <b>235</b> | <b>Product/Service ID Qualifier</b><br>Code identifying the type/source of the descriptive number used in Product/Service ID (234). | <b>O ID</b> | <b>2/2</b>  |
| <b>SLN20</b> | <b>234</b> | <b>Product/Service ID</b><br>Identifying number for a product or service.   | <b>C AN</b> | <b>1/30</b> |
| <b>SLN21</b> | <b>235</b> | <b>Product/Service ID Qualifier</b><br>Code identifying the type/source of the descriptive number used in Product/Service ID (234). | <b>O ID</b> | <b>2/2</b>  |
| <b>SLN22</b> | <b>234</b> | <b>Product/Service ID</b><br>Identifying number for a product or service.   | <b>C AN</b> | <b>1/30</b> |
| <b>SLN23</b> | <b>235</b> | <b>Product/Service ID Qualifier</b><br>Code identifying the type/source of the descriptive number used in Product/Service ID (234). | <b>O ID</b> | <b>2/2</b>  |
| <b>SLN24</b> | <b>234</b> | <b>Product/Service ID</b><br>Identifying number for a product or service.   | <b>C AN</b> | <b>1/30</b> |
| <b>SLN25</b> | <b>235</b> | <b>Product/Service ID Qualifier</b><br>Code identifying the type/source of the descriptive number used in Product/Service ID (234). | <b>O ID</b> | <b>2/2</b>  |
| <b>SLN26</b> | <b>234</b> | <b>Product/Service ID</b><br>Identifying number for a product or service.   | <b>C AN</b> | <b>1/30</b> |
| <b>SLN27</b> | <b>235</b> | <b>Product/Service ID Qualifier</b><br>Code identifying the type/source of the descriptive number used in Product/Service ID (234). | <b>O ID</b> | <b>2/2</b>  |

**SLN28 234 Product/Service ID**  
Identifying number for a product or service.

**C AN 1/30**

**Segment: PID Product/Item Description**

**Level:** Detail  
**Loop:** POC/SLN  
**Usage:** Optional

**Max Use:** 1000

**Purpose:** To describe a product or process in coded or free-form format

**Syntax:** 1 **C0403**  
If PID04 is present, then PID03 is required.

2 **R0405**  
At least one of PID04 or PID05 is required.

3 **C0703**  
If PID07 is present, then PID03 is required.

4 **C0803**  
If PID08 is present, then PID03 is required.

**Semantic:** 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. A "N" indicates it does not apply. Any other value is indeterminate.

**Comments:** A If PID01 = "F", then PID05 is used. If PID01 = "S", then PID04 is used. If PID01 = "X", then both PID04 and PID05 are used.

B Use PID06 when necessary to refer to the product surface or layer being described in the segment.

C PID07 specifies the individual code list of the agency specified in PID03.

**Data Element Summary**

| REF. DES. | DATA ELEMENT | NAME   | ATTRIBUTES |    |      |
|-----------|--------------|--|------------|----|------|
| PID01     | 349          | <b>Item Description Type</b><br>Code indicating the format of a description.<br>F Free-form  | M          | ID | 1/1  |
| PID02     | 750          | <b>Product/Process Characteristic Code</b><br>Code identifying the general class of a product or process characteristic<br><b>NOT USED BY PIDX</b>           | O          | ID | 2/3  |
| PID03     | 559          | <b>Agency Qualifier Code</b><br>Code identifying the agency assigning the code values.<br><b>NOT USED BY PIDX</b>  | C          | ID | 2/2  |
| PID04     | 751          | <b>Product Description Code</b><br>A code from an industry code list which provides specific data about a product characteristic.<br><b>NOT USED BY PIDX</b> | C          | AN | 1/12 |
| PID05     | 352          | <b>Description</b><br>A free-form description to clarify the related data elements and their content.<br><b>RECOMMENDED FOR USE BY PIDX</b>                  | C          | AN | 1/80 |
| PID06     | 752          | <b>Surface/Layer/Position Code</b><br>Code indicating the product surface, layer or position that is being described.<br><b>NOT USED BY PIDX</b>             | O          | ID | 2/2  |
| PID07     | 822          | <b>Source Subqualifier</b><br>A reference that indicates the table or text maintained by the Source Qualifier.<br><b>NOT USED BY PIDX</b>                    | O          | AN | 1/15 |

|  |      |  |   |    |     |
|--|------|--|---|----|-----|
| PID08  | 1073 | <b>Yes/No Condition or Response Code</b> | O | ID | 1/1 |
| Code indicating a Yes or No condition or response. |      |  |   |    |     |
| <b>NOT USED BY PIDX</b>                            |      |  |   |    |     |

**Segment: CTT Transaction Totals**

**Level:** Summary

**Loop:** \_\_\_

**Usage:** Mandatory

**Max Use:** 1

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

**Syntax:** 1 **C0304**

If CTT03 is present, then CTT04 is required.

2 **C0506**

If CTT05 is present, then CTT06 is required.

**Comments: A** This segment is intended to provide hash totals to validate transaction completeness and correctness.

**Data Element Summary**

| REF. DES.               | DATA ELEMENT | NAME   | ATTRIBUTES       |
|-------------------------|--------------|--|------------------|
| CTT01                   | 354          | <b>Number of Line Items</b><br>Total number of line items in the transaction set.  | <b>M NO 1/6</b>  |
| CTT02                   | 347          | <b>Hash Total</b><br>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 leftmost digits if the sum is greater than the maximum size of the hash total of the data element.<br><br>Example:<br><br>-.0018 First occurrence of value being hashed.<br>.18 Second occurrence of value being hashed.<br>1.8 Third occurrence of value being hashed.<br><u>18.01</u> Fourth occurrence of value being hashed.<br>1855 Hash total prior to truncation.<br>855 Hash total after truncation to three-digit field. | <b>O R 1/10</b>  |
| <b>NOT USED BY PIDX</b> |              |  |                  |
| CTT03                   | 81           | <b>Weight</b><br>Numeric value of weight.  | <b>O R 1/10</b>  |
| <b>NOT USED BY PIDX</b> |              |  |                  |
| CTT04                   | 355          | <b>Unit or Basis for Measurement Code</b><br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken  | <b>C ID 2/2</b>  |
| <b>NOT USED BY PIDX</b> |              |  |                  |
| CTT05                   | 183          | <b>Volume</b><br>Value of volumetric measure.  | <b>O R 1/8</b>   |
| <b>NOT USED BY PIDX</b> |              |  |                  |
| CTT06                   | 355          | <b>Unit or Basis for Measurement Code</b><br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken  | <b>C ID 2/2</b>  |
| <b>NOT USED BY PIDX</b> |              |  |                  |
| CTT07                   | 352          | <b>Description</b><br>A free-form description to clarify the related data elements and their content.  | <b>O AN 1/80</b> |
| <b>NOT USED BY PIDX</b> |              |  |                  |

**Segment:** **AMT** Monetary Amount  
**Level:** Summary  
**Loop:** \_\_\_  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To indicate the total monetary amount.

**Data Element Summary**

| REF.<br>DES. | DATA<br>ELEMENT | NAME   | ATTRIBUTES |           |             |
|--------------|-----------------|--|------------|-----------|-------------|
| <b>AMT01</b> | <b>522</b>      | <b>Amount Qualifier Code</b><br>Code to qualify amount<br><b>TT</b> Total Transaction Amount | <b>M</b>   | <b>ID</b> | <b>1/2</b>  |
| <b>AMT02</b> | <b>782</b>      | <b>Monetary Amount</b><br>Monetary amount.   | <b>M</b>   | <b>R</b>  | <b>1/15</b> |

**Segment: SE Transaction Set Trailer**

**Level:** Summary

**Loop:** \_\_\_

**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).

**Comments: A** SE is the last segment of each transaction set.

**Data Element Summary**

| REF.<br>DES. | DATA<br>ELEMENT | NAME   | ATTRIBUTES       |
|--------------|-----------------|--|------------------|
| <b>SE01</b>  | <b>96</b>       | <b>Number of Included Segments</b><br>Total number of segments included in a transaction set including ST and SE segments.   | <b>M NO 1/10</b> |
| <b>SE02</b>  | <b>329</b>      | <b>Transaction Set Control Number</b><br>Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | <b>M AN 4/9</b>  |