

# 870 Order Status Report

X12/V4030/870: 870 Order Status Report

**Company:** SPS Commerce  
**Publication:** 8/7/2016  
**Trading Partner:** JCPenney Factory Ship  
**Notes:**

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# 870 Order Status Report

Functional Group=**RS**

**Purpose:** This Draft Standard for Trial Use contains the format and establishes the data contents of the Order Status Report Transaction Set (870) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to report on the current status of a requirement forecast, an entire purchase order, selected line items on a purchase order, selected products/services on a purchase order, or purchase orders for a specific customer in their entirety or on a selection basis. The transaction set can also be used to report on the current status of single or multiple requisitions. The report format allows for the inclusion of "reasons" relative to the status. This transaction set may also be used to update the supplier's scheduled shipment or delivery dates. This transaction set can result from either an inquiry or a prearranged schedule agreed to by the trading partners.

**Heading:**

| <u>Pos</u>           | <u>Id</u> | <u>Segment Name</u>                       | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Notes</u> | <u>Usage</u> |
|----------------------|-----------|---|------------|----------------|---------------|--------------|--------------|
| 0100                 | ST        | Transaction Set Header                    | M          | 1              |               |              | Must use     |
| 0200                 | BSR       | Beginning Segment for Order Status Report | M          | 1              |               |              | Must use     |
| <b>LOOP ID - REF</b> |           |   |            |                | <b>&gt;1</b>  |              |              |
| 0460                 | REF       | Reference Identification                  | O          | 1              |               |              | Must use     |
| <b>LOOP ID - N1</b>  |           |   |            |                | <b>200</b>    |              |              |
| 0500                 | N1        | Name                                      | M          | 1              |               |              | Must use     |

**Detail:**

| <u>Pos</u>           | <u>Id</u> | <u>Segment Name</u>      | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Notes</u> | <u>Usage</u> |
|----------------------|-----------|--------------------------|------------|----------------|---------------|--------------|--------------|
| <b>LOOP ID - HL</b>  |           |                          |            |                | <b>1000</b>   |              |              |
| 0100                 | HL        | Hierarchical Level       | M          | 1              |               |              | Must use     |
| 0200                 | PRF       | Purchase Order Reference | O          | 1              |               |              | Must use     |
| 0800                 | DTM       | Date/Time Reference      | O          | 10             |               |              | Used         |
| <b>LOOP ID - REF</b> |           |                          |            |                | <b>&gt;1</b>  |              |              |
| 0870                 | REF       | Reference Identification | O          | 1              |               |              | Must use     |
| <b>LOOP ID - HL</b>  |           |                          |            |                | <b>1000</b>   |              |              |
| 0100                 | HL        | Hierarchical Level       | M          | 1              |               |              | Must use     |
| <b>LOOP ID - PO1</b> |           |                          |            |                | <b>1000</b>   |              |              |
| 1500                 | PO1       | Baseline Item Data       | O          | 1              |               |              | Must use     |
| <b>LOOP ID - ISR</b> |           |                          |            |                | <b>104</b>    |              |              |
| 2100                 | ISR       | Item Status Report       | O          | 1              |               |              | Must use     |
| 2300                 | QTY       | Quantity                 | O          | 4              |               |              | Must use     |

**Summary:**

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u>     | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Notes</u> | <u>Usage</u> |
|------------|-----------|-------------------------|------------|----------------|---------------|--------------|--------------|
| 0100       | CTT       | Transaction Totals      | O          | 1              |               | N3/0100      | Must use     |
| 0200       | SE        | Transaction Set Trailer | M          | 1              |               |              | Must use     |

**Notes:**

3/0100 The number of line items (CTT01) is the accumulation of the number of HL segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

**User Note 1:**

*The 870 Order Response will be used to confirm cancellation of an order. If an order has shipped and cannot be cancelled, the 810 invoice should be sent confirming shipment and billing for all items on the order.*

*All JCPenney specific segment and element usage notes can be noted in the 'user option' and 'usage' fields respectively.*

# ST Transaction Set Header

|                     |             |
|---------------------|-------------|
| Pos: 0100           | Max: 1      |
| Heading - Mandatory |             |
| Loop: N/A           | Elements: 3 |

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

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

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>   | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| ST01       | 143       | <b>Transaction Set Identifier Code</b>  | M          | ID          | 3/3            | Must use     |
|            |           | <b>Description:</b> Code uniquely identifying a Transaction Set<br><b>All valid standard codes are used. (Total Codes: 314)</b>                                 |            |             |                |              |
| ST02       | 329       | <b>Transaction Set Control Number</b>   | M          | AN          | 4/9            | Must use     |
|            |           | <b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set |            |             |                |              |
| ST03       | 1705      | <b>Implementation Convention Reference</b>  | O          | AN          | 1/35           | Used         |
|            |           | <b>Description:</b> Reference assigned to identify Implementation Convention  |            |             |                |              |

## Semantics:

1. The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.

# BSR Beginning Segment for Order Status Report

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

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

**Purpose:** To indicate the beginning of an Order Status Report Transaction Set

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---------------------|------------|-------------|----------------|--------------|
| BSR01      | 850       | Status Report Code  | M          | ID          | 1/2            | Must use     |

**Description:** Code indicating the reason for sending the report

**CodeList Summary** (Total Codes: 12, Included: 1)

**Code Name**

3 Unsolicited Report

|       |     |                 |   |    |     |          |
|-------|-----|-----------------|---|----|-----|----------|
| BSR02 | 847 | Order/Item Code | M | ID | 1/2 | Must use |
|-------|-----|-----------------|---|----|-----|----------|

**Description:** Code identifying a group of orders and items

**User Note 1:** *Item level info required when BSR02=PP*

**CodeList Summary** (Total Codes: 8, Included: 1)

**Code Name**

PP Selected Orders - Selected Items

|       |     |                          |   |    |      |          |
|-------|-----|--------------------------|---|----|------|----------|
| BSR03 | 127 | Reference Identification | M | AN | 1/50 | Must use |
|-------|-----|--------------------------|---|----|------|----------|

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

|       |     |      |   |    |     |          |
|-------|-----|------|---|----|-----|----------|
| BSR04 | 373 | Date | M | DT | 8/8 | Must use |
|-------|-----|------|---|----|-----|----------|

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

## Semantics:

1. BSR03 indicates a status report document number assigned by the sender.
2. BSR04 indicates the date of this report from the sender.
3. BSR07 indicates the time of this report from the sender.
4. BSR08 indicates a status report document number assigned by the inquirer.
5. BSR09 indicates the date this report was requested from the sender by the inquirer.
6. BSR10 indicates the time this report was requested from the sender by the inquirer.

# Loop Reference Identification

|           |               |
|-----------|---------------|
| Pos: 0460 | Repeat: >1    |
| Optional  |               |
| Loop: REF | Elements: N/A |

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

**Purpose:** To specify identifying information

## Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u>      | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|--------------------------|------------|----------------|---------------|--------------|
| 0460       | REF       | Reference Identification | O          | 1              |               | Must use     |

# REF Reference Identification

|                    |             |
|--------------------|-------------|
| Pos: 0460          | Max: 1      |
| Heading - Optional |             |
| Loop: REF          | Elements: 2 |

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

**Purpose:** To specify identifying information

## Element Summary:

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

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1631, Included: 1)

**Code Name**

IA Internal Vendor Number

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

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

**User Note 1:** JCP 6-digit vendor ID

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Semantics:

1. REF04 contains data relating to the value cited in REF02.



# Loop Name

|           |               |
|-----------|---------------|
| Pos: 0500 | Repeat: 200   |
| Optional  |               |
| Loop: N1  | Elements: N/A |

**User Option (Usage):** Used

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

## Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|---------------------|------------|----------------|---------------|--------------|
| 0500       | N1        | Name                | M          | 1              |               | Must use     |

# N1 Name

|                            |                    |
|----------------------------|--------------------|
| <b>Pos: 0500</b>           | <b>Max: 1</b>      |
| <b>Heading - Mandatory</b> |                    |
| <b>Loop: N1</b>            | <b>Elements: 4</b> |

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

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

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>           | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|-------------------------------|------------|-------------|----------------|--------------|
| N101       | 98        | <b>Entity Identifier Code</b> | M          | ID          | 2/3            | Must use     |

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

**CodeList Summary** (Total Codes: 1446, Included: 3)

**Code Name**

BT Bill-to-Party  
 ST Ship To  
 Z7 Mark-for Party

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

**Description:** Free-form name

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

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

**CodeList Summary** (Total Codes: 223, Included: 1)

**Code Name**

92 Assigned by Buyer or Buyer's Agent

|      |    |                            |   |    |      |      |
|------|----|----------------------------|---|----|------|------|
| N104 | 67 | <b>Identification Code</b> | X | AN | 2/80 | Used |
|------|----|----------------------------|---|----|------|------|

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

## Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

## Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

# Loop Hierarchical Level

|           |               |
|-----------|---------------|
| Pos: 0100 | Repeat: 1000  |
| Mandatory |               |
| Loop: HL  | Elements: N/A |

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

**Purpose:** To identify dependencies among and the content of hierarchically related groups of data segments

## Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u>      | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|--------------------------|------------|----------------|---------------|--------------|
| 0100       | HL        | Hierarchical Level       | M          | 1              |               | Must use     |
| 0200       | PRF       | Purchase Order Reference | O          | 1              |               | Must use     |
| 0800       | DTM       | Date/Time Reference      | O          | 10             |               | Used         |
| 0870       |           | Loop REF                 | O          |                | >1            | Must use     |
| 0100       |           | Loop HL                  | M          |                | 1000          | Must use     |

# HL Hierarchical Level

|                    |             |
|--------------------|-------------|
| Pos: 0100          | Max: 1      |
| Detail - Mandatory |             |
| Loop: HL           | Elements: 2 |

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

**Purpose:** To identify dependencies among and the content of hierarchically related groups of data segments

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>    | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|------------------------|------------|-------------|----------------|--------------|
| HL01       | 628       | Hierarchical ID Number | M          | AN          | 1/12           | Must use     |

**Description:** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure

|      |     |                         |   |    |     |          |
|------|-----|-------------------------|---|----|-----|----------|
| HL03 | 735 | Hierarchical Level Code | M | ID | 1/2 | Must use |
|------|-----|-------------------------|---|----|-----|----------|

**Description:** Code defining the characteristic of a level in a hierarchical structure

**CodeList Summary** (Total Codes: 218, Included: 1)

| <u>Code</u> | <u>Name</u> |
|-------------|-------------|
| O           | Order       |

## Comments:

1. The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
2. The HL segment defines a top-down/left-right ordered structure.
3. HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
4. HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
5. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
6. HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

# PRF Purchase Order Reference

|                   |             |
|-------------------|-------------|
| Pos: 0200         | Max: 1      |
| Detail - Optional |             |
| Loop: HL          | Elements: 2 |

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

**Purpose:** To provide reference to a specific purchase order

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>  | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| PRF01      | 324       | <b>Purchase Order Number</b>   | M          | AN          | 1/22           | Must use     |
|            |           | <b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser                  |            |             |                |              |
| PRF04      | 373       | <b>Date</b>  | O          | DT          | 8/8            | Must use     |
|            |           | <b>Description:</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year |            |             |                |              |

## Semantics:

1. PRF04 is the date assigned by the purchaser to purchase order.

# DTM Date/Time Reference

|                   |             |
|-------------------|-------------|
| Pos: 0800         | Max: 10     |
| Detail - Optional |             |
| Loop: HL          | Elements: 2 |

**User Option (Usage):** Used

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

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---------------------|------------|-------------|----------------|--------------|
| DTM01      | 374       | Date/Time Qualifier | M          | ID          | 3/3            | Must use     |

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

**CodeList Summary** (Total Codes: 1226, Included: 1)

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

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

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

## Syntax Rules:

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

# Loop Reference Identification

Pos: 0870      Repeat: >1  
 Optional  
 Loop: REF    Elements: N/A

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

**Purpose:** To specify identifying information

## Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u>      | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|--------------------------|------------|----------------|---------------|--------------|
| 0870       | REF       | Reference Identification | O          | 1              |               | Must use     |

# REF Reference Identification

|                   |             |
|-------------------|-------------|
| Pos: 0870         | Max: 1      |
| Detail - Optional |             |
| Loop: REF         | Elements: 2 |

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

**Purpose:** To specify identifying information

## Element Summary:

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

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1631, Included: 2)

**Code Name**

DP Department Number

**User Note 1:**

*Mandatory*

VN Vendor Order Number

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

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

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Semantics:

1. REF04 contains data relating to the value cited in REF02.

### User Note 1:

*Department Number (REF01=DP): Used to specify the 3-digit subdivision number.*



# Loop Hierarchical Level

|           |               |
|-----------|---------------|
| Pos: 0100 | Repeat: 1000  |
| Mandatory |               |
| Loop: HL  | Elements: N/A |

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

**Purpose:** To identify dependencies among and the content of hierarchically related groups of data segments

## Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|---------------------|------------|----------------|---------------|--------------|
| 0100       | HL        | Hierarchical Level  | M          | 1              |               | Must use     |
| 1500       |           | Loop PO1            | O          |                | 1000          | Must use     |

# HL Hierarchical Level

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

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

**Purpose:** To identify dependencies among and the content of hierarchically related groups of data segments

## Element Summary:

| <u>Ref</u>   | <u>Id</u> | <u>Element Name</u>                  | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|--|-----------|--------------------------------------|------------|-------------|----------------|--------------|
| HL01   | 628       | <b>Hierarchical ID Number</b>        | M          | AN          | 1/12           | Must use     |
| <b>Description:</b> A unique number assigned by the sender to identify a particular data segment in a hierarchical structure                   |           |                                      |            |             |                |              |
| HL02   | 734       | <b>Hierarchical Parent ID Number</b> | O          | AN          | 1/12           | Must use     |
| <b>Description:</b> Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to |           |                                      |            |             |                |              |
| HL03   | 735       | <b>Hierarchical Level Code</b>       | M          | ID          | 1/2            | Must use     |
| <b>Description:</b> Code defining the characteristic of a level in a hierarchical structure  |           |                                      |            |             |                |              |
| <b>CodeList Summary</b> (Total Codes: 218, Included: 1)  |           |                                      |            |             |                |              |
| <b>Code Name</b>   |           |                                      |            |             |                |              |
| I Item   |           |                                      |            |             |                |              |

## Comments:

1. The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
2. The HL segment defines a top-down/left-right ordered structure.
3. HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
4. HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
5. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
6. HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

# Loop Baseline Item Data

Pos: 1500    Repeat: 1000  
 Optional  
 Loop: PO1    Elements: N/A

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

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

## Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|---------------------|------------|----------------|---------------|--------------|
| 1500       | PO1       | Baseline Item Data  | O          | 1              |               | Must use     |
| 2100       |           | Loop ISR            | O          |                | 104           | Must use     |

# PO1 Baseline Item Data

|                   |              |
|-------------------|--------------|
| Pos: 1500         | Max: 1       |
| Detail - Optional |              |
| Loop: PO1         | Elements: 11 |

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

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

## Element Summary:

| <u>Ref</u>   | <u>Id</u> | <u>Element Name</u>                       | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|--|-----------|---|------------|-------------|----------------|--------------|
| PO101  | 350       | <b>Assigned Identification</b>            | O          | AN          | 1/20           | Must use     |
| <b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set                                  |           |   |            |             |                |              |
| <b>User Note 1:</b> <i>Should match PO101 value from the PO</i>  |           |   |            |             |                |              |
| PO102  | 330       | <b>Quantity Ordered</b>                   | X          | R           | 1/15           | Must use     |
| <b>Description:</b> Quantity ordered   |           |   |            |             |                |              |
| PO103  | 355       | <b>Unit or Basis for Measurement Code</b> | O          | ID          | 2/2            | Must use     |
| <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken |           |   |            |             |                |              |
| <b>CodeList Summary</b> (Total Codes: 803, Included: 1)  |           |   |            |             |                |              |
| <u>Code</u> <u>Name</u>  |           |   |            |             |                |              |
| EA Each  |           |   |            |             |                |              |
| PO104  | 212       | <b>Unit Price</b>                         | X          | R           | 1/17           | Used         |
| <b>Description:</b> Price per unit of product, service, commodity, etc.  |           |   |            |             |                |              |
| PO105  | 639       | <b>Basis of Unit Price Code</b>           | O          | ID          | 2/2            | Used         |
| <b>Description:</b> Code identifying the type of unit price for an item  |           |   |            |             |                |              |
| <b>CodeList Summary</b> (Total Codes: 91, Included: 2)   |           |   |            |             |                |              |
| <u>Code</u> <u>Name</u>  |           |   |            |             |                |              |
| NC No Charge   |           |   |            |             |                |              |
| WH Wholesale   |           |   |            |             |                |              |
| PO106  | 235       | <b>Product/Service ID Qualifier</b>       | X          | ID          | 2/2            | Must use     |
| <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)                    |           |   |            |             |                |              |
| <b>CodeList Summary</b> (Total Codes: 505, Included: 3)  |           |   |            |             |                |              |
| <u>Code</u> <u>Name</u>  |           |   |            |             |                |              |
| EN EAN/UCC - 13  |           |   |            |             |                |              |
| IN Buyer's Item Number   |           |   |            |             |                |              |
| UP UCC - 12  |           |   |            |             |                |              |
| PO107  | 234       | <b>Product/Service ID</b>                 | X          | AN          | 1/48           | Must use     |
| <b>Description:</b> Identifying number for a product or service  |           |   |            |             |                |              |
| PO108  | 235       | <b>Product/Service ID Qualifier</b>       | X          | ID          | 2/2            | Used         |
| <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)                    |           |   |            |             |                |              |

| <u>Ref</u>   | <u>Id</u> | <u>Element Name</u>                 | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|--|-----------|-------------------------------------|------------|-------------|----------------|--------------|
| <b>CodeList Summary</b> (Total Codes: 505, Included: 3)<br><u>Code Name</u><br>EN EAN/UCC - 13<br>IN Buyer's Item Number<br>UP UCC - 12  |           |                                     |            |             |                |              |
| PO109  | 234       | <b>Product/Service ID</b>           | X          | AN          | 1/48           | Used         |
| <b>Description:</b> Identifying number for a product or service  |           |                                     |            |             |                |              |
| PO110  | 235       | <b>Product/Service ID Qualifier</b> | X          | ID          | 2/2            | Used         |
| <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)<br><b>CodeList Summary</b> (Total Codes: 505, Included: 3)<br><u>Code Name</u><br>EN EAN/UCC - 13<br>IN Buyer's Item Number<br>UP UCC - 12 |           |                                     |            |             |                |              |
| PO111  | 234       | <b>Product/Service ID</b>           | X          | AN          | 1/48           | Used         |
| <b>Description:</b> Identifying number for a product or service  |           |                                     |            |             |                |              |

**Syntax Rules:**

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

**Comments:**

1. See the Data Element Dictionary for a complete list of IDs.
2. PO101 is the line item identification.
3. PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

# Loop Item Status Report

|           |               |
|-----------|---------------|
| Pos: 2100 | Repeat: 104   |
| Optional  |               |
| Loop: ISR | Elements: N/A |

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

**Purpose:** To specify detailed purchase order/item status

## Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|---------------------|------------|----------------|---------------|--------------|
| 2100       | ISR       | Item Status Report  | O          | 1              |               | Must use     |
| 2300       | QTY       | Quantity            | O          | 4              |               | Must use     |

# ISR Item Status Report

|                   |             |
|-------------------|-------------|
| Pos: 2100         | Max: 1      |
| Detail - Optional |             |
| Loop: ISR         | Elements: 2 |

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

**Purpose:** To specify detailed purchase order/item status

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>        | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|----------------------------|------------|-------------|----------------|--------------|
| ISR01      | 368       | Shipment/Order Status Code | M          | ID          | 2/2            | Must use     |

**Description:** 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

**CodeList Summary** (Total Codes: 102, Included: 1)

| <u>Code</u> | <u>Name</u>   |
|-------------|---------------|
| IC          | Item Canceled |

|       |     |      |   |    |     |      |
|-------|-----|------|---|----|-----|------|
| ISR02 | 373 | Date | O | DT | 8/8 | Used |
|-------|-----|------|---|----|-----|------|

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

## Semantics:

1. If ISR01 specifies a date, ISR02 is required.

# QTY Quantity

|                   |             |
|-------------------|-------------|
| Pos: 2300         | Max: 4      |
| Detail - Optional |             |
| Loop: ISR         | Elements: 3 |

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

**Purpose:** To specify quantity information

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---------------------|------------|-------------|----------------|--------------|
| QTY01      | 673       | Quantity Qualifier  | M          | ID          | 2/2            | Must use     |

**Description:** Code specifying the type of quantity

**CodeList Summary** (Total Codes: 976, Included: 1)

**Code Name**

01 Discrete Quantity

|       |     |          |   |   |      |          |
|-------|-----|----------|---|---|------|----------|
| QTY02 | 380 | Quantity | X | R | 1/15 | Must use |
|-------|-----|----------|---|---|------|----------|

**Description:** Numeric value of quantity

**User Note 1:** *Should be 0*

|       |      |                           |   |      |  |          |
|-------|------|---------------------------|---|------|--|----------|
| QTY03 | C001 | Composite Unit of Measure | O | Comp |  | Must use |
|-------|------|---------------------------|---|------|--|----------|

**Description:** To identify a composite unit of measure(See Figures Appendix for examples of use)

|          |     |                                    |   |    |     |          |
|----------|-----|------------------------------------|---|----|-----|----------|
| QTY03-01 | 355 | Unit or Basis for Measurement Code | M | ID | 2/2 | Must use |
|----------|-----|------------------------------------|---|----|-----|----------|

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

**CodeList Summary** (Total Codes: 803, Included: 1)

**Code Name**

EA Each

## Syntax Rules:

1. R0204 - At least one of QTY02 or QTY04 is required.
2. E0204 - Only one of QTY02 or QTY04 may be present.

## Semantics:

1. QTY04 is used when the quantity is non-numeric.



# CTT Transaction Totals

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

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

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

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>  | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|----------------------|------------|-------------|----------------|--------------|
| CTT01      | 354       | Number of Line Items | M          | NO          | 1/6            | Must use     |

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

## Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

## Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

# SE Transaction Set Trailer

|                     |             |
|---------------------|-------------|
| Pos: 0200           | Max: 1      |
| Summary - Mandatory |             |
| Loop: N/A           | Elements: 2 |

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

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

## Element Summary:

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

## Comments:

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