# 846 Vendor Inventory Inquiry/Advice - Outbound

## Version: 4010 1.0 Final

| | |
|---|---|
| **Company:** | **TECH DATA CORPORATION** |
| **Publication:** | **1/1/2012** |
| **Modified:** | **2/18/2016** |

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# 846 Inventory Inquiry/Advice

## Functional Group=IB

**Purpose:** This Draft Standard for Trial Use contains the format and establishes the data contents of the Inventory Inquiry/Advice Transaction Set (846) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used in the following ways: (1) for a seller of goods and services to provide inventory information to a prospective purchaser, with no obligation to the purchaser to acquire these goods or services; (2) for a representative of a seller of goods and services to supply inventory information to that seller; (3) for one location to supply another location with inventory information; and (4) for an inquiry as to the availability of inventory with no obligation on the seller of goods and services to reserve that inventory.

### User:

Either the SDQ or QTY segment will be presented for inventory quantities.   The SDQ segment will be used when multiple warehouse locations are requested within a single transaction. The QTY segment will be used when multiple transactions are requested each containing a single warehouse location.

### Heading:

| Pos | Id | Segment Name | Req | Max Use | Repeat | Notes |
|-----|-----|--------------|-----|---------|--------|-------|
| 010 | ST | Transaction Set Header | M | 1 | | |
| 020 | BIA | Beginning Segment for Inventory Inquiry/Advice | M | 1 | | |
| 050 | DTM | Date/Time Reference | O | 10 | | |
| **LOOP ID - N1** | | | | | **5** | |
| 080 | N1 | Name | O | 1 | | |
| 100 | N3 | Address Information | O | 2 | | |
| 110 | N4 | Geographic Location | O | 1 | | |

### Detail:

| Pos | Id | Segment Name | Req | Max Use | Repeat | Notes |
|-----|-----|--------------|-----|---------|--------|-------|
| **LOOP ID - LIN** | | | | | **10000** | |
| 010 | LIN | Item Identification | M | 1 | | |
| 030 | PID | Product/Item Description | O | 200 | | |
| 140 | REF | Reference Identification | O | >1 | | |
| 220 | SDQ | Destination Quantity | O | 500 | | |
| **LOOP ID - QTY** | | | | | **99** | |
| 320 | QTY | Quantity | O | 1 | | |

### Summary:

| Pos | Id | Segment Name | Req | Max Use | Repeat | Notes |
|-----|-----|--------------|-----|---------|--------|-------|
| 010 | CTT | Transaction Totals | O | 1 | | N3/010 |
| 020 | SE | Transaction Set Trailer | M | 1 | | |

### Notes:

3/010    Number of line items (CTT01) is the accumulation of number of LIN segments. If used, hash total (CTT02) is the sum of the values of the quantities (QTY02) of each QTY segment.

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# ST — Transaction Set Header

| | | | Pos: 010 | Max: 1 |
|---|---|---|---|---|
| | | | Heading - Mandatory | |
| | | | Loop: N/A | Elements: 2 |

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

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| ST01 | 143 | **Transaction Set Identifier Code** | M | ID | 3/3 | Must use | 1 |

**Description:** Code uniquely identifying a Transaction Set

**CodeList Summary** (Total Codes: 298, Included: 1)

| Code | Name |
|---|---|
| 846 | Inventory Inquiry/Advice |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| ST02 | 329 | **Transaction Set Control Number** | M | AN | 4/9 | Must use | 1 |

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

## Semantics:

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

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# BIA — Beginning Segment for Inventory Inquiry/Advice

| | |
|---|---|
| **Pos: 020** | **Max: 1** |
| **Heading - Mandatory** | |
| **Loop: N/A** | **Elements: 4** |

**Purpose:** To indicate the beginning of an Inventory Inquiry/Advice Transaction Set

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| BIA01 | 353 | **Transaction Set Purpose Code** | M | ID | 2/2 | Must use | 1 |

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

**CodeList Summary** (Total Codes: 65, Included: 1)

| Code | Name |
|---|---|
| 00 | Original |

**Description:** This is the first transaction set for the current period.   BIA03 is an unique number. Tech Data refers to this as a "full file" since it represents all items selected for the trading partner.

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| BIA02 | 755 | **Report Type Code** | M | ID | 2/2 | Must use | 1 |

**Description:** Code indicating the title or contents of a document, report or supporting item

**CodeList Summary** (Total Codes: 522, Included: 1)

| Code | Name |
|---|---|
| DD | Distributor Inventory Report |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| BIA03 | 127 | **Reference Identification** | M | AN | 1/30 | Must use | 1 |

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

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| BIA04 | 373 | **Date** | M | DT | 8/8 | Must use | 1 |

**Description:** Date expressed as CCYYMMDD
**User:** Effective Inventory Date

## Semantics:

1. BIA03 identifies the number of the inquiry/advice that is transferred.
2. BIA04 identifies the date of the inquiry/advice that is transferred.
3. BIA05 identifies the time of the inquiry/advice that is transferred.

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| **DTM** | **Date/Time Reference** | **Pos: 050** | **Max: 10** |
|---|---|---|---|
| | | **Heading - Optional** | |
| | | **Loop: N/A** | **Elements: 2** |

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

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| DTM01 | 374 | **Date/Time Qualifier** | M | ID | 3/3 | Must use | 1 |

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

**CodeList Summary** (Total Codes: 1112, Included: 1)

| Code | Name |
|---|---|
| 007 | Effective |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| DTM02 | 373 | **Date** | C | DT | 8/8 | Used | 1 |

**Description:** Date expressed as CCYYMMDD

## 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.

# N1     Name

| Pos: 080 | Max: 1 |
|---|---|
| **Heading - Optional** | |
| Loop: N1 | Elements: 4 |

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

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| N101 | 98 | **Entity Identifier Code** | M | ID | 2/3 | Must use | 1 |

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

**CodeList Summary** (Total Codes: 1312, Included: 2)

| Code | Name |
|---|---|
| DS | Distributor |
| WH | Warehouse |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| N102 | 93 | **Name** | C | AN | 1/60 | Used | 1 |

**Description:** Free-form name

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| N103 | 66 | **Identification Code Qualifier** | C | ID | 1/2 | Used | 1 |

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

**CodeList Summary** (Total Codes: 215, Included: 2)

| Code | Name |
|---|---|
| 1 | D-U-N-S Number,Dun & Bradstreet |
| 9 | D-U-N-S+4,D-U-N-S Number with Four Character Suffix |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| N104 | 67 | **Identification Code** | C | AN | 2/80 | Used | 1 |

**Description:** Code identifying a party or other code
**User:**
DUNS when N101 is "DS"
DUNS + warehouse code when N101 is "WH"

## 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.

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# N3 Address Information

<table>
<tr><td>Pos: 100</td><td>Max: 2</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: N1</td><td>Elements: 2</td></tr>
</table>

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

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|-------------|-----|------|---------|-------|-----|
| N301 | 166 | **Address Information** | M | AN | 1/55 | Must use | 1 |
| | | **Description:** Address information | | | | | |
| N302 | 166 | **Address Information** | O | AN | 1/55 | Used | 1 |
| | | **Description:** Address information | | | | | |

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# N4    **Geographic Location**

| Pos: 110 | Max: 1 |
|---|---|
| **Heading - Optional** | |
| **Loop: N1** | **Elements: 6** |

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

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| N401 | 19 | **City Name** | O | AN | 2/30 | Used | 1 |

**Description:** Free-form text for city name

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| N402 | 156 | **State or Province Code** | O | ID | 2/2 | Used | 1 |

**Description:** Code (Standard State/Province) as defined by appropriate government agency

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| N403 | 116 | **Postal Code** | O | ID | 3/15 | Used | 1 |

**Description:** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| N404 | 26 | **Country Code** | O | ID | 2/3 | Used | 1 |

**Description:** Code identifying the country

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| N405 | 309 | **Location Qualifier** | C | ID | 1/2 | Used | 1 |

**Description:** Code identifying type of location
**User:** Only mapped when N101 = WH

**CodeList Summary** (Total Codes: 172, Included: 1)

| Code | Name |
|---|---|
| WH | Warehouse |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| N406 | 310 | **Location Identifier** | O | AN | 1/30 | Used | 1 |

**Description:** Code which identifies a specific location
**User:** Tech Data warehouse code and only mapped when N101 = WH

## Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

## Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

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# LIN

## Item Identification

| Pos: 010 | Max: 1 |
|---|---|
| **Detail - Mandatory** | |
| Loop: LIN | Elements: 15 |

**Purpose:** To specify basic item identification data

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| LIN01 | 350 | **Assigned Identification** | O | AN | 1/20 | Used | 1 |

**Description:** Alphanumeric characters assigned for differentiation within a transaction set
**User:** Line item identification

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| LIN02 | 235 | **Product/Service ID Qualifier** | M | ID | 2/2 | Must use | 1 |

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

**CodeList Summary** (Total Codes: 477, Included: 5)

| Code | Name |
|---|---|
| MF | Manufacturer |
| MG | Manufacturer's Part Number |
| UP | U.P.C. Consumer Package Code (1-5-5-1) |
| VP | Vendor's (Seller's) Part Number |
| | **Description:** Tech Data's part number |
| VX | Vendor's Specification Number |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| LIN03 | 234 | **Product/Service ID** | M | AN | 1/48 | Must use | 1 |

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

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| LIN04 | 235 | **Product/Service ID Qualifier** | C | ID | 2/2 | Used | 1 |

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

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| LIN05 | 234 | **Product/Service ID** | C | AN | 1/48 | Used | 1 |

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

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| LIN06 | 235 | **Product/Service ID Qualifier** | C | ID | 2/2 | Used | 1 |

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

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| LIN07 | 234 | **Product/Service ID** | C | AN | 1/48 | Used | 1 |

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

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| LIN08 | 235 | **Product/Service ID Qualifier** | C | ID | 2/2 | Used | 1 |

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

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| LIN09 | 234 | **Product/Service ID** | C | AN | 1/48 | Used | 1 |

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

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| LIN10 | 235 | **Product/Service ID Qualifier** | C | ID | 2/2 | Used | 1 |

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

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| LIN11 | 234 | **Product/Service ID** | C | AN | 1/48 | Used | 1 |

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

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| LIN12 | 235 | **Product/Service ID Qualifier** | C | ID | 2/2 | Used | 1 |

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

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| LIN13 | 234 | **Product/Service ID** | C | AN | 1/48 | Used | 1 |

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

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| LIN14 | 235 | **Product/Service ID Qualifier** | C | ID | 2/2 | Used | 1 |

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

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| LIN15 | 234 | **Product/Service ID** | C | AN | 1/48 | Used | 1 |

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

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

## Semantics:
1. LIN01 is the line item identification

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

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# PID    Product/Item Description

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

## Element Summary:

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

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

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

| Code | Name |
|------|------|
| F | Free-form |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|--------------|-----|------|---------|-------|-----|
| PID02 | 750 | **Product/Process Characteristic Code** | O | ID | 2/3 | Used | 1 |

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

**CodeList Summary** (Total Codes: 217, Included: 1)

| Code | Name |
|------|------|
| 08 | Product |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|--------------|-----|------|---------|-------|-----|
| PID03 | 559 | **Agency Qualifier Code** | C | ID | 2/2 | Used | 1 |

**Description:** Code identifying the agency assigning the code values

**CodeList Summary** (Total Codes: 176, Included: 1)

| Code | Name |
|------|------|
| ZZ | Mutually Defined |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|--------------|-----|------|---------|-------|-----|
| PID04 | 751 | **Product Description Code** | C | AN | 1/12 | Used | 1 |

**Description:** A code from an industry code list which provides specific data about a product characteristic

**User:**
New
Active
Phased Out
Allocated
Discontinued

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|-----|--------------|-----|------|---------|-------|-----|
| PID05 | 352 | **Description** | C | AN | 1/80 | Used | 1 |

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

## Syntax Rules:

1. C0403 - If PID04 is present, then PID03 is required.
2. R0405 - At least one of PID04 or PID05 is required.
3. C0703 - If PID07 is present, then PID03 is required.
4. C0804 - If PID08 is present, then PID04 is required.
5. C0905 - If PID09 is present, then PID05 is required.

## Semantics:

1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

## Comments:

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.

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

| **REF** | **Reference Identification** | **Pos: 140** **Max: >1** **Detail - Optional** **Loop: LIN** **Elements: 2** |

**Purpose:** To specify identifying information

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|----|--------------|----|------|---------|-------|-----|
| REF01 | 128 | **Reference Identification Qualifier** | M | ID | 2/3 | Must use | 1 |

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1503, Included: 1)

| Code | Name |
|------|------|
| VR | Vendor ID Number |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-----|----|--------------|----|------|---------|-------|-----|
| REF02 | 127 | **Reference Identification** | C | AN | 1/30 | Used | 1 |

**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.

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# SDQ Destination Quantity

| | |
|---|---|
| **Pos: 220** | **Max: 500** |
| **Detail - Optional** | |
| **Loop: LIN** | **Elements: 20** |

**Purpose:** To specify destination and quantity detail

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| SDQ01 | 355 | **Unit or Basis for Measurement Code** | M | ID | 2/2 | Must use | 1 |

**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: 794, Included: 1)

| Code | Name |
|---|---|
| EA | Each |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| SDQ02 | 66 | **Identification Code Qualifier** | O | ID | 1/2 | Used | 1 |

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

**CodeList Summary** (Total Codes: 215, Included: 1)

| Code | Name |
|---|---|
| 91 | Assigned by Seller or Seller's Agent |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| SDQ03 | 67 | **Identification Code** | M | AN | 2/80 | Must use | 1 |

**Description:** Code identifying a party or other code
**User:** Tech Data's warehouse name

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| SDQ04 | 380 | **Quantity** | M | R | 1/15 | Must use | 1 |

**Description:** Numeric value of quantity
**User:** Always 0

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| SDQ05 | 67 | **Identification Code** | C | AN | 2/80 | Used | 1 |

**Description:** Code identifying a party or other code
**User:** Tech Data's warehouse code

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| SDQ06 | 380 | **Quantity** | C | R | 1/15 | Used | 1 |

**Description:** Numeric value of quantity
**User:** Always 0

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| SDQ07 | 67 | **Identification Code** | C | AN | 2/80 | Used | 1 |

**Description:** Code identifying a party or other code
**User:** Tech Data's warehouse city

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| SDQ08 | 380 | **Quantity** | C | R | 1/15 | Used | 1 |

**Description:** Numeric value of quantity
**User:** Always 0

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| SDQ09 | 67 | **Identification Code** | C | AN | 2/80 | Used | 1 |

**Description:** Code identifying a party or other code
**User:** 33

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| SDQ10 | 380 | **Quantity** | C | R | 1/15 | Used | 1 |

**Description:** Numeric value of quantity
**User:** Quantity Available

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| SDQ11 | 67 | **Identification Code** | C | AN | 2/80 | Used | 1 |

**Description:** Code identifying a party or other code
**User:** 17

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| SDQ12 | 380 | **Quantity** | C | R | 1/15 | Used | 1 |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | **Description:** Numeric value of quantity | | | | | |
| | | **User:** Quantity On Hand | | | | | |
| SDQ13 | 67 | **Identification Code** | C | AN | 2/80 | Used | 1 |
| | | **Description:** Code identifying a party or other code | | | | | |
| | | **User:** 27 | | | | | |
| SDQ14 | 380 | **Quantity** | C | R | 1/15 | Used | 1 |
| | | **Description:** Numeric value of quantity | | | | | |
| | | **User:** Quantity Committed | | | | | |
| SDQ15 | 67 | **Identification Code** | C | AN | 2/80 | Used | 1 |
| | | **Description:** Code identifying a party or other code | | | | | |
| | | **User:** 63 | | | | | |
| SDQ16 | 380 | **Quantity** | C | R | 1/15 | Used | 1 |
| | | **Description:** Numeric value of quantity | | | | | |
| | | **User:** Quantity On Order | | | | | |
| SDQ17 | 67 | **Identification Code** | C | AN | 2/80 | Used | 1 |
| | | **Description:** Code identifying a party or other code | | | | | |
| | | **User:** BQ | | | | | |
| SDQ18 | 380 | **Quantity** | C | R | 1/15 | Used | 1 |
| | | **Description:** Numeric value of quantity | | | | | |
| | | **User:** Backordered Quantity | | | | | |
| SDQ21 | 67 | **Identification Code** | C | AN | 2/80 | Used | 1 |
| | | **Description:** Code identifying a party or other code | | | | | |
| | | **User:** 61 | | | | | |
| SDQ22 | 380 | **Quantity** | C | R | 1/15 | Used | 1 |
| | | **Description:** Numeric value of quantity | | | | | |
| | | **User:** Unreleased Blanket Order Quantity | | | | | |

## Syntax Rules:

1. P0506 - If either SDQ05 or SDQ06   is present, then the other is required.
2. P0708 - If either SDQ07 or SDQ08   is present, then the other is required.
3. P0910 - If either SDQ09 or SDQ10   is present, then the other is required.
4. P1112 - If either SDQ11 or SDQ12   is present, then the other is required.
5. P1314 - If either SDQ13 or SDQ14   is present, then the other is required.
6. P1516 - If either SDQ15 or SDQ16   is present, then the other is required.
7. P1718 - If either SDQ17 or SDQ18   is present, then the other is required.
8. P1920 - If either SDQ19 or SDQ20   is present, then the other is required.
9. P2122 - If either SDQ21 or SDQ22   is present, then the other is required.

## Semantics:

1. SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.

## Comments:

1. SDQ02 is used only if different than previously defined in the transaction set.
2. SDQ03 is the store number.
3. SDQ23 may be used to identify areas within a store, e.g., front room, back room, selling outpost, end aisle display, etc. The value is agreed to by trading partners or industry conventions.

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# QTY    Quantity

| | |
|---|---|
| **Pos: 320** | **Max: 1** |
| **Detail - Optional** | |
| **Loop: QTY** | **Elements: 2** |

**Purpose:** To specify quantity information

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| QTY01 | 673 | **Quantity Qualifier** | M | ID | 2/2 | Must use | 1 |

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

**CodeList Summary** (Total Codes: 832, Included: 7)

| Code | Name |
|---|---|
| 17 | Quantity on Hand |

**Description:** This quantity is salable inventory still in physical inventory for the specific reporting location.   This includes quantity committed, but not quantity in float.   Quantity on hand does not include non-salable or defective products, or product that has been physically relieved for return to a vendor.

| | |
|---|---|
| 27 | Committed Quantity |

**Description:** This quantity is the number of units that are presently allocated or committed to a sales order, but not yet been relieved from the physical inventory.

| | |
|---|---|
| 33 | Quantity Available for Sale (stock quantity) |
| 61 | Remaining Authorized Quantity |
| 63 | On Order Quantity |

**Description:** This quantity is the number of units of the specified item on order (not yet shipped) with all vendors for delivery to the specified reporting location.   When reporting to a manufacturer for instance, the reported quantity could include quantities on order from several distributors as well as from the manufacturer receiving this inventory report.

| | |
|---|---|
| BQ | Backorder Quantity |
| QH | Quantity on Hold |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| QTY02 | 380 | **Quantity** | C | R | 1/15 | Used | 1 |

**Description:** Numeric value of quantity

## 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.

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# CTT     **Transaction Totals**

| | |
|---|---|
| **Pos: 010** | **Max: 1** |
| **Summary - Optional** | |
| **Loop: N/A** | **Elements: 1** |

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

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| CTT01 | 354 | **Number of Line Items** | M | N0 | 1/6 | Must use | 1 |

**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.

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# SE Transaction Set Trailer

| | |
|---|---|
| **Pos: 020** | **Max: 1** |
| **Summary - Mandatory** | |
| **Loop: N/A** | **Elements: 2** |

**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:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| SE01 | 96 | **Number of Included Segments** | M | N0 | 1/10 | Must use | 1 |

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

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|---|---|---|---|---|---|---|---|
| SE02 | 329 | **Transaction Set Control Number** | M | AN | 4/9 | Must use | 1 |

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

## Comments:

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

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