

846 Inventory Inquiry/Advice

X12/V5010/846 : 846 Inventory Inquiry/Advice

| | |
|-----------------|-----------------------|
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Table of Contents

| | | |
|------------|---|-----------|
| 846 | Inventory Inquiry/Advice | 1 |
| | ST Transaction Set Header | 2 |
| | BIA Beginning Segment for Inventory Inquiry/Advice | 3 |
| | REF Reference Information | 4 |
| | LIN Loop Item Identification | 5 |
| | LIN Item Identification | 6 |
| | PID Product/Item Description | 8 |
| | QTY Loop Quantity Information | 9 |
| | QTY Quantity Information | 10 |
| | DTM Date/Time Reference | 12 |
| | SE Transaction Set Trailer | 13 |

846 Inventory Inquiry/Advice

Functional Group=**IB**

Purpose: This X12 Transaction Set 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.

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 | BIA | Beginning Segment for Inventory Inquiry/Advice | M | 1 | | | Must use |
| 0600 | REF | Reference Information | 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> |
|----------------------|-----------|--------------------------|------------|----------------|---------------|--------------|--------------|
| LOOP ID - LIN | | | | | 10000 | | |
| 0100 | LIN | Item Identification | M | 1 | | | Must use |
| 0300 | PID | Product/Item Description | M | 1 | | | Must use |
| LOOP ID - QTY | | | | | 2 | | |
| 3200 | QTY | Quantity Information | M | 1 | | | Must use |
| 3550 | DTM | Date/Time Reference | M | 1 | | | 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> |
|------------|-----------|-------------------------|------------|----------------|---------------|--------------|--------------|
| 0200 | SE | Transaction Set Trailer | M | 1 | | | Must use |

User Note 1:

Suppliers will be expected send 846 files as often as possible but at least once a day representing available inventory. This does not have to be inventory allocated to Hubert Company. The files are to represent corporate level inventory levels, regardless of ship from location. Suppliers are encouraged to provide future quantities and dates but is not required. If files are not received in a timely manner Hubert Company reserves the right to pull items off the website.

ST Transaction Set Header

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

User Option (Usage): Must use

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

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---------------------------------|------------|-------------|----------------|--------------|
| ST01 | 143 | Transaction Set Identifier Code | M | ID | 3/3 | Must use |

Description: Code uniquely identifying a Transaction Set

CodeList Summary (Total Codes: 318, Included: 1)

Code Name

846 Inventory Inquiry/Advice

| | | | | | | |
|------|-----|--------------------------------|---|----|-----|----------|
| ST02 | 329 | Transaction Set Control Number | M | AN | 4/9 | Must use |
|------|-----|--------------------------------|---|----|-----|----------|

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

Semantics:

1. The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

BIA Beginning Segment for Inventory Inquiry/Advice

| | |
|---------------------|-------------|
| Pos: 0200 | Max: 1 |
| Heading - Mandatory | |
| Loop: N/A | Elements: 5 |

User Option (Usage): Must use

Purpose: To indicate the beginning of an Inventory Inquiry/Advice 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> |
|------------|-----------|------------------------------|------------|-------------|----------------|--------------|
| BIA01 | 353 | Transaction Set Purpose Code | M | ID | 2/2 | Must use |

Description: Code identifying purpose of transaction set

CodeList Summary (Total Codes: 66, Included: 1)

Code Name

00 Original

| | | | | | | |
|-------|-----|------------------|---|----|-----|----------|
| BIA02 | 755 | Report Type Code | M | ID | 2/2 | Must use |
|-------|-----|------------------|---|----|-----|----------|

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

CodeList Summary (Total Codes: 541, Included: 1)

Code Name

MB Manufacturer/Distributor Inventory Report

| | | | | | | |
|-------|-----|--------------------------|---|----|------|----------|
| BIA03 | 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

| | | | | | | |
|-------|-----|------|---|----|-----|----------|
| BIA04 | 373 | Date | M | DT | 8/8 | Must use |
|-------|-----|------|---|----|-----|----------|

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

| | | | | | | |
|-------|-----|------|---|----|-----|----------|
| BIA05 | 337 | Time | M | TM | 4/8 | Must use |
|-------|-----|------|---|----|-----|----------|

Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

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.

REF Reference Information

| | |
|---------------------|-------------|
| Pos: 0600 | Max: 1 |
| Heading - Mandatory | |
| Loop: N/A | 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: 1731, Included: 1)

Code Name

IA Internal Vendor Number

| | | | | | | |
|-------|-----|--------------------------|---|----|------|----------|
| REF02 | 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

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 Item Identification

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

User Option (Usage): Must use

Purpose: To specify basic item identification data

Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|--------------------------|------------|----------------|---------------|--------------|
| 0100 | LIN | Item Identification | M | 1 | | Must use |
| 0300 | PID | Product/Item Description | M | 1 | | Must use |
| 3200 | | Loop QTY | M | | 2 | Must use |

LIN Item Identification

| | |
|--------------------|-------------|
| Pos: 0100 | Max: 1 |
| Detail - Mandatory | |
| Loop: LIN | Elements: 7 |

User Option (Usage): Must use

Purpose: To specify basic item identification data

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| LIN01 | 350 | Assigned Identification | O | AN | 1/20 | Used |
| | | Description: Alphanumeric characters assigned for differentiation within a transaction set | | | | |
| LIN02 | 235 | Product/Service ID Qualifier | M | ID | 2/2 | Must use |
| | | Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | |
| | | CodeList Summary (Total Codes: 519, Included: 1) | | | | |
| | | Code Name | | | | |
| | | VN Vendor's (Seller's) Item Number | | | | |
| LIN03 | 234 | Product/Service ID | M | AN | 1/48 | Must use |
| | | Description: Identifying number for a product or service | | | | |
| LIN04 | 235 | Product/Service ID Qualifier | X | ID | 2/2 | Used |
| | | Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | |
| | | CodeList Summary (Total Codes: 519, Included: 2) | | | | |
| | | Code Name | | | | |
| | | IN Buyer's Item Number | | | | |
| | | UP UCC - 12 | | | | |
| LIN05 | 234 | Product/Service ID | X | AN | 1/48 | Used |
| | | Description: Identifying number for a product or service | | | | |
| LIN06 | 235 | Product/Service ID Qualifier | X | ID | 2/2 | Used |
| | | Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | |
| | | CodeList Summary (Total Codes: 519, Included: 2) | | | | |
| | | Code Name | | | | |
| | | IN Buyer's Item Number | | | | |
| | | UP UCC - 12 | | | | |
| LIN07 | 234 | Product/Service ID | X | AN | 1/48 | Used |
| | | Description: Identifying number for a product or service | | | | |

Syntax Rules:

1. P0405 - If either LIN04 or LIN05 is present, then the other is required.
2. P0607 - If either LIN06 or LIN07 is present, then the other is required.
3. P0809 - If either LIN08 or LIN09 is present, then the other is required.

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

Semantics:

1. LIN01 is the line item identification

Comments:

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

PID Product/Item Description

| | |
|--------------------|-------------|
| Pos: 0300 | Max: 1 |
| Detail - Mandatory | |
| Loop: LIN | Elements: 3 |

User Option (Usage): Must use

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

Element Summary:

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

Description: Code indicating the format of a description

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

Code Name

F Free-form

| | | | | | | |
|-------|-----|-------------------------------------|---|----|-----|----------|
| PID02 | 750 | Product/Process Characteristic Code | M | ID | 2/3 | Must use |
|-------|-----|-------------------------------------|---|----|-----|----------|

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

CodeList Summary (Total Codes: 238, Included: 1)

Code Name

08 Product

| | | | | | | |
|-------|-----|-------------|---|----|------|----------|
| PID05 | 352 | Description | M | AN | 1/80 | Must use |
|-------|-----|-------------|---|----|------|----------|

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

Loop Quantity Information

| | |
|-----------|---------------|
| Pos: 3200 | Repeat: 2 |
| Mandatory | |
| Loop: QTY | Elements: N/A |

User Option (Usage): Must use

Purpose: To specify quantity 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> |
|------------|-----------|----------------------|------------|----------------|---------------|--------------|
| 3200 | QTY | Quantity Information | M | 1 | | Must use |
| 3550 | DTM | Date/Time Reference | M | 1 | | Must use |

QTY Quantity Information

| | |
|--------------------|-------------|
| Pos: 3200 | Max: 1 |
| Detail - Mandatory | |
| Loop: QTY | 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: 1123, Included: 2)

Code Name

- 29 Projected Available Inventory
- 33 Quantity Available for Sale (stock quantity)

User Note 1:

Mandatory

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

Description: Numeric value of quantity

| | | | | | | |
|-------|------|---------------------------|---|------|--|----------|
| QTY03 | C001 | Composite Unit of Measure | M | 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: 844, Included: 30)

Code Name

- 03 Seconds
- BD Bundle
- BG Bag
- BO Bottle
- BX Box
- CA Case
- CN Can
- CT Carton
- DZ Dozen
- EA Each
- FT Foot
- GA Gallon
- GS Gross
- HD Half Dozen
- IN Inch
- KT Kit
- LB Pound

| <u>Code</u> | <u>Name</u> |
|-------------|-------------|
| LO | Lot |
| PC | Piece |
| PD | Pad |
| PK | Package |
| PR | Pair |
| RL | Roll |
| SF | Square Foot |
| SH | Sheet |
| SL | Sleeve |
| ST | Set |
| TB | Tube |
| TH | Thousand |
| UN | Unit |

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.

DTM Date/Time Reference

| | |
|--------------------|-------------|
| Pos: 3550 | Max: 1 |
| Detail - Mandatory | |
| Loop: QTY | Elements: 2 |

User Option (Usage): Must use

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: 1280, Included: 1)

Code Name

018 Available

| | | | | | | |
|-------|-----|------|---|----|-----|----------|
| DTM02 | 373 | Date | M | DT | 8/8 | Must use |
|-------|-----|------|---|----|-----|----------|

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.

SE Transaction Set Trailer

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

User Option (Usage): Must use

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

Element Summary:

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

Comments:

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