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# **846 Inventory Inquiry/Advice**

X12/V4010/846 : 846 Inventory Inquiry/Advice

**Status: Final**

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**Notes:**

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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.

## 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>
010	ST	Transaction Set Header	M	1			Must use
020	BIA	Beginning Segment for Inventory Inquiry/Advice	M	1			Must use
<b>LOOP ID - N1</b>					<b><u>5</u></b>		
080	N1	Name	O	1			Used
100	N3	Address Information	O	2			Used
110	N4	Geographic Location	O	1			Used
130	PER	Administrative Communications Contact	O	3			Used

## 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 - LIN</b>					<b><u>10000</u></b>		
010	LIN	Item Identification	M	1			Must use
030	PID	Product/Item Description	O	200			Used
<b>LOOP ID - QTY</b>					<b><u>99</u></b>		
320	QTY	Quantity	O	1			Used

## 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>
010	CTT	Transaction Totals	O	1		N3/010	Used
020	SE	Transaction Set Trailer	M	1			Must use

# ST Transaction Set Header

Pos: 010	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	<b>Transaction Set Identifier Code</b>	M	ID	3/3	Must use
<b>Description:</b> Code uniquely identifying a Transaction Set						
<b>Code Name</b>						
846 Inventory Inquiry/Advice						
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						

# BIA Beginning Segment for Inventory Inquiry/Advice

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

**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	<b>Transaction Set Purpose Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code identifying purpose of transaction set				
		<b>Code Name</b>				
		00		Original		
BIA02	755	<b>Report Type Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code indicating the title or contents of a document, report or supporting item				
		<b>Code Name</b>				
		SI		Seller Inventory Report		
BIA03	127	<b>Reference Identification</b>	M	AN	1/30	Must use
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
BIA04	373	<b>Date</b>	M	DT	8/8	Must use
		<b>Description:</b> Date expressed as CCYYMMDD				

# N1 Name

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

**User Option (Usage):** Used

**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
		<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual				
		<b>Code Name</b>				
		DU				Resale Dealer
		WH				Warehouse
N102	93	<b>Name</b>	X	AN	1/60	Used
		<b>Description:</b> Free-form name				
N103	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)				
		<b>Code Name</b>				
		91				Assigned by Seller or Seller's Agent
N104	67	<b>Identification Code</b>	X	AN	2/80	Used
		<b>Description:</b> Code identifying a party or other code				
		<b>User Note 1:</b> CDW WAREHOUSE ID				
		01 - VERNON HILLS, IL				
		07 - NORTH LAS VEGAS, NV				

# N3 Address Information

Pos: 100	Max: 2
Heading - Optional	
Loop: N1	Elements: 1

**User Option (Usage):** Used

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

## 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>
N301	166	Address Information	M	AN	1/55	Must use

**Description:** Address information

# N4 Geographic Location

Pos: 110	Max: 1
Heading - Optional	
Loop: N1	Elements: 3

**User Option (Usage):** Used

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

## 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>
N401	19	<b>City Name</b>	O	AN	2/30	Used
		<b>Description:</b> Free-form text for city name				
N402	156	<b>State or Province Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency				
N403	116	<b>Postal Code</b>	O	ID	3/15	Used
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				



# PER Administrative Communications Contact

Pos: 130	Max: 3
Heading - Optional	
Loop: N1	Elements: 4

**User Option (Usage):** Used

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

## 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>
PER01	366	Contact Function Code	M	ID	2/2	Must use
		<b>Description:</b> Code identifying the major duty or responsibility of the person or group named				
		<b>Code Name</b>				
		IC				Information Contact
PER02	93	Name	O	AN	1/60	Used
		<b>Description:</b> Free-form name				
PER03	365	Communication Number Qualifier	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type of communication number				
		<b>Code Name</b>				
		TE				Telephone
PER04	364	Communication Number	X	AN	1/80	Used
		<b>Description:</b> Complete communications number including country or area code when applicable				

# LIN Item Identification

Pos: 010	Max: 1
Detail - Mandatory	
Loop: LIN	Elements: 9

**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	<b>Assigned Identification</b>	O	AN	1/20	Used
		<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set				
LIN02	235	<b>Product/Service ID Qualifier</b>	M	ID	2/2	Must use
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>Code Name</b>				
		MG Manufacturer's Part Number				
LIN03	234	<b>Product/Service ID</b>	M	AN	1/48	Must use
		<b>Description:</b> Identifying number for a product or service				
LIN04	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)				
		<b>Code Name</b>				
		BP Buyer's Part Number				
LIN05	234	<b>Product/Service ID</b>	X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				
LIN06	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)				
		<b>Code Name</b>				
		VP Vendor's (Seller's) Part Number				
LIN07	234	<b>Product/Service ID</b>	X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				
LIN08	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)				
		<b>Code Name</b>				
		UP U.P.C. Consumer Package Code (1-5-5-1)				
LIN09	234	<b>Product/Service ID</b>	X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				

# PID Product/Item Description

Pos: 030	Max: 200
Detail - Optional	
Loop: LIN	Elements: 2

**User Option (Usage):** Used

**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

**Code Name**

F Free-form

PID05	352	Description	X	AN	1/80	Used
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**Description:** A free-form description to clarify the related data elements and their content

# QTY Quantity

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

**User Option (Usage):** Used

**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

**Code Name**

- 14 Quantity in Float
- 17 Quantity on Hand
- 27 Committed Quantity
- 63 On Order Quantity
- 64 Past Due Quantity
- 76 Returns
- IQ In-Transit Quantity

QTY02	380	Quantity	X	R	1/15	Used
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**Description:** Numeric value of quantity

# CTT Transaction Totals

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

**User Option (Usage):** Used

**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

# SE Transaction Set Trailer

Pos: 020	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				