



846 Inventory Inquiry/Advice

X12/V4010/846 : 846 Inventory Inquiry/Advice

Version: 3.0 Final

Company:

Insight Direct USA, Inc.

Modified:

10/7/2022

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

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		
010	LIN	Item Identification	M	1			Must use
030	PID	Product/Item Description	M	1			Must use
220	SDQ	Destination Quantity	M	500			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>
010	CTT	Transaction Totals	M	1		N3/010	Must use
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	Transaction Set Identifier Code	M	ID	3/3	Must use

Description: Code uniquely identifying a Transaction Set

Code List Summary (Total Codes: 298, Included: 1)

Code Name

846 Inventory Inquiry/Advice

ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Insight Notes:

NOTE *INSIGHT only accepts 1 846 transaction set per ISA envelope.*

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	Transaction Set Purpose Code	M	ID	2/2	Must use

Description: Code identifying purpose of transaction set

Code List Summary (Total Codes: 65, Included: 2)

Code Name

00	Original
04	Change

BIA02	755	Report Type Code	M	ID	2/2	Must use
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Description: Code indicating the title or contents of a document, report or supporting item

Code List Summary (Total Codes: 522, Included: 1)

Code Name

DD	Distributor Inventory Report
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BIA03	127	Reference Identification	M	AN	1/30	Must use
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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
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Description: Date expressed as CCYYMMDD

Example:

BIA~00~DD~20060208~20060208
 BIA~04~DD~20060208~20060208

LIN Item Identification

Pos: 010	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	M	AN	1/20	Must use
		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)				
		Code List Summary (Total Codes: 477, Included: 1)				
		<u>Code</u>	<u>Name</u>			
		VP	Vendor's (Seller's) Part 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	M	ID	2/2	Must use
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		Code List Summary (Total Codes: 477, Included: 1)				
		<u>Code</u>	<u>Name</u>			
		MG	Manufacturer's Part Number			
LIN05	234	Product/Service ID	M	AN	1/48	Must use
		Description: Identifying number for a product or service				
LIN08	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)				
		Code List Summary (Total Codes: 477, Included: 1)				
		<u>Code</u>	<u>Name</u>			
		MF	Manufacturer			
LIN09	234	Product/Service ID	M	AN	1/48	Must use
		Description: Identifying number for a product or service				

Example:

LIN~000001~VP~C00624~MG~970082-0403~~~MF~LOGITECH

PID Product/Item Description

Pos: 030	Max: 1
Detail - Mandatory	
Loop: LIN	Elements: 2

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

Code List Summary (Total Codes: 3, Included: 1)

Code Name

F Free-form

PID05	352	Description	M	AN	1/80	Must use
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Description: A free-form description to clarify the related data elements and their content

Insight Notes:

PID~F~~~~ITEM DESC

SDQ Destination Quantity

Pos: 220	Max: 500
Detail - Mandatory	
Loop: LIN	Elements: 22

User Option (Usage): Must use

Purpose: To specify destination and quantity detail

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>
SDQ01	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
<p>Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p>Code List Summary (Total Codes: 794, Included: 1)</p> <p><u>Code</u> <u>Name</u></p> <p>EA Each</p>						
SDQ02	66	Identification Code Qualifier	M	ID	1/2	Must use
<p>Description: Code designating the system/method of code structure used for Identification Code (67)</p> <p>Code List Summary (Total Codes: 215, Included: 2)</p> <p><u>Code</u> <u>Name</u></p> <p>54 Warehouse</p> <p>91 Assigned by Seller or Seller's Agent</p>						
SDQ03	67	Identification Code	M	AN	2/80	Must use
<p>Description: Code identifying a party or other code</p>						
SDQ04	380	Quantity	M	R	1/15	Must use
<p>Description: Numeric value of quantity</p>						
SDQ05	67	Identification Code	O	AN	2/80	Used
<p>Description: Code identifying a party or other code</p>						
SDQ06	380	Quantity	O	R	1/15	Used
<p>Description: Numeric value of quantity</p>						
SDQ07	67	Identification Code	O	AN	2/80	Used
<p>Description: Code identifying a party or other code</p>						
SDQ08	380	Quantity	O	R	1/15	Used
<p>Description: Numeric value of quantity</p>						
SDQ09	67	Identification Code	O	AN	2/80	Used
<p>Description: Code identifying a party or other code</p>						
SDQ10	380	Quantity	O	R	1/15	Used
<p>Description: Numeric value of quantity</p>						
SDQ11	67	Identification Code	O	AN	2/80	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code identifying a party or other code				
SDQ12	380	Quantity	O	R	1/15	Used
		Description: Numeric value of quantity				
SDQ13	67	Identification Code	O	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ14	380	Quantity	O	R	1/15	Used
		Description: Numeric value of quantity				
SDQ15	67	Identification Code	O	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ16	380	Quantity	O	R	1/15	Used
		Description: Numeric value of quantity				
SDQ17	67	Identification Code	O	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ18	380	Quantity	O	R	1/15	Used
		Description: Numeric value of quantity				
SDQ19	67	Identification Code	O	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ20	380	Quantity	O	R	1/15	Used
		Description: Numeric value of quantity				
SDQ21	67	Identification Code	O	AN	2/80	Used
		Description: Code identifying a party or other code				
SDQ22	380	Quantity	O	R	1/15	Used
		Description: Numeric value of quantity				

Insight Notes:

A maximum of 10 warehouse locations is allowed per SDQ segment.

Example:

SDQ-EA-91~10~12~20~0~30~9~40~15~80~27~10~22~60~17~70~27~99~27~80~29

CTT Transaction Totals

Pos: 010	Max: 1
Summary - Mandatory	
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

Example:

CTT-17071

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	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				