846 Inventory Inquiry/Advice

ANSI X12-4010
Supplier Implementation Guide
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846 Inventory Inquiry/Advice

Functional Group ID=IB

Introduction:

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:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
M	020	BIA	Beginning Segment for Inventory Inquiry/Advice	M	1		
	060	REF	Reference Identification	O	12		
			LOOP ID - N1			5	
	080	N1	Name	O	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - LIN			10000	
M	010	LIN	Item Identification	M	1		
	220	SDQ	Destination Quantity	O	500		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
	010	CTT	Transaction Totals	O	1		n1
M	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. 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.

Segment:		**ST** Transaction Set Header	
Position:		010	
Loop:			
Level:		Heading	
Usage:		Mandatory	
Max Use:		1	
Purpose:		To indicate the start of a transaction set and to assign a control number	
Syntax Notes:			
Semantic Notes:		**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).	
Comments:			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**ST01**	**143**	**Transaction Set Identifier Code**	**M ID 3/3**
			Code uniquely identifying a Transaction Set	
			846 Inventory Inquiry/Advice	
M	**ST02**	**329**	**Transaction Set Control Number**	**M AN 4/9**
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

Segment:		**BIA** Beginning Segment for Inventory Inquiry/Advice		
Position:	020			
Loop:				
Level:	Heading			
Usage:	Mandatory			
Max Use:	1			
Purpose:	To indicate the beginning of an Inventory Inquiry/Advice Transaction Set			
Syntax Notes:				
Semantic Notes:	**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.		
Comments:				

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**BIA01**	**353**	**Transaction Set Purpose Code**	**M** **ID 2/2**
			Code identifying purpose of transaction set	
			00 Original	
M	**BIA02**	**755**	**Report Type Code**	**M** **ID 2/2**
			Code indicating the title or contents of a document, report or supporting item	
			DD Distributor Inventory Report	
M	**BIA03**	**127**	**Reference Identification**	**M** **AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
M	**BIA04**	**373**	**Date**	**M** **DT 8/8**
			Date expressed as CCYYMMDD	

Segment: **REF** Reference Identification
Position: 060
Loop:
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes: 1   At least one of REF02 or REF03 is required.
             2   If either C04003 or C04004 is present, then the other is required.
             3   If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1   REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	REF01	128	**Reference Identification Qualifier**	M ID 2/3
			Code qualifying the Reference Identification	
			VR Vendor ID Number	
	REF02	127	**Reference Identification**	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			Vendor Number Assigned by CVS	

Segment:	**N1** Name	
Position:	080	
Loop:	N1	Optional
Level:	Heading	
Usage:	Optional	
Max Use:	1	
Purpose:	To identify a party by type of organization, name, and code	
Syntax Notes:	1	At least one of N102 or N103 is required.
	2	If either N103 or N104 is present, then the other is required.
Semantic Notes:		
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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N101**	**98**	**Entity Identifier Code**	**M ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual	
			RL Reporting Location	
	N102	**93**	**Name**	**X AN 1/60**
			Free-form name	

Segment: **LIN** Item Identification

Position:	010
Loop:	LIN Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To specify basic item identification data

Syntax Notes:		
	1	If either LIN04 or LIN05 is present, then the other is required.
	2	If either LIN06 or LIN07 is present, then the other is required.
	3	If either LIN08 or LIN09 is present, then the other is required.
	4	If either LIN10 or LIN11 is present, then the other is required.
	5	If either LIN12 or LIN13 is present, then the other is required.
	6	If either LIN14 or LIN15 is present, then the other is required.
	7	If either LIN16 or LIN17 is present, then the other is required.
	8	If either LIN18 or LIN19 is present, then the other is required.
	9	If either LIN20 or LIN21 is present, then the other is required.
	10	If either LIN22 or LIN23 is present, then the other is required.
	11	If either LIN24 or LIN25 is present, then the other is required.
	12	If either LIN26 or LIN27 is present, then the other is required.
	13	If either LIN28 or LIN29 is present, then the other is required.
	14	If either LIN30 or LIN31 is present, then the other is required.

Semantic Notes:	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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**LIN02**	**235**	**Product/Service ID Qualifier**	**M**	**ID 2/2**

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

ND	National Drug Code (NDC)
UD	U.P.C./EAN Consumer Package Code (2-5-5)
UI	U.P.C. Consumer Package Code (1-5-5)

	Ref. Des.	Data Element	Name	Attributes	
M	**LIN03**	**234**	**Product/Service ID**	**M**	**AN 1/48**

Identifying number for a product or service

UPC Number /EAN or NDC #

Segment:	**SDQ** Destination Quantity		
Position:	220		
Loop:	LIN	Mandatory	
Level:	Detail		
Usage:	Optional		
Max Use:	500		
Purpose:	To specify destination and quantity detail		
Syntax Notes:	1	If either SDQ05 or SDQ06 is present, then the other is required.	
	2	If either SDQ07 or SDQ08 is present, then the other is required.	
	3	If either SDQ09 or SDQ10 is present, then the other is required.	
	4	If either SDQ11 or SDQ12 is present, then the other is required.	
	5	If either SDQ13 or SDQ14 is present, then the other is required.	
	6	If either SDQ15 or SDQ16 is present, then the other is required.	
	7	If either SDQ17 or SDQ18 is present, then the other is required.	
	8	If either SDQ19 or SDQ20 is present, then the other is required.	
	9	If either SDQ21 or SDQ22 is present, then the other is required.	
Semantic Notes:	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.	
Notes:	BOH – Balance on Hand		
	TIL – Targeted Inventory Level		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	SDQ01	355	**Unit or Basis for Measurement Code**	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			PC Piece	
	SDQ02	66	**Identification Code Qualifier**	O ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			FA Facility Identification	
			Used for BOH	
			ZZ Mutually Defined	
			Used for TIL	
M	SDQ03	67	**Identification Code**	M AN 2/80
			Code identifying a party or other code	
			Store Number	
M	SDQ04	380	**Quantity**	M R 1/15
			Numeric value of quantity	
			If SDQ02 = FA, this will be the BOH quantity	
			If SDQ02 = ZZ, this will be the TIL quantity	
	SDQ05	67	**Identification Code**	X AN 2/80
			Code identifying a party or other code	
			Store Number	
	SDQ06	380	**Quantity**	X R 1/15
			Numeric value of quantity	
			If SDQ02 = FA, this will be the BOH quantity	

		If SDQ02 = ZZ, this will be the TIL quantity		
SDQ07	**67**	**Identification Code**	**X**	**AN 2/80**
		Code identifying a party or other code		
		Store Number		
SDQ08	**380**	**Quantity**	**X**	**R 1/15**
		Numeric value of quantity		
		If SDQ02 = FA, this will be the BOH quantity If SDQ02 = ZZ, this will be the TIL quantity		
SDQ09	**67**	**Identification Code**	**X**	**AN 2/80**
		Code identifying a party or other code		
		Store Number		
SDQ10	**380**	**Quantity**	**X**	**R 1/15**
		Numeric value of quantity		
		If SDQ02 = FA, this will be the BOH quantity If SDQ02 = ZZ, this will be the TIL quantity		
SDQ11	**67**	**Identification Code**	**X**	**AN 2/80**
		Code identifying a party or other code		
		Store Number		
SDQ12	**380**	**Quantity**	**X**	**R 1/15**
		Numeric value of quantity		
		If SDQ02 = FA, this will be the BOH quantity If SDQ02 = ZZ, this will be the TIL quantity		
SDQ13	**67**	**Identification Code**	**X**	**AN 2/80**
		Code identifying a party or other code		
		Store Number		
SDQ14	**380**	**Quantity**	**X**	**R 1/15**
		Numeric value of quantity		
		If SDQ02 = FA, this will be the BOH quantity If SDQ02 = ZZ, this will be the TIL quantity		
SDQ15	**67**	**Identification Code**	**X**	**AN 2/80**
		Code identifying a party or other code		
		Store Number		
SDQ16	**380**	**Quantity**	**X**	**R 1/15**
		Numeric value of quantity		
		If SDQ02 = FA, this will be the BOH quantity If SDQ02 = ZZ, this will be the TIL quantity		
SDQ17	**67**	**Identification Code**	**X**	**AN 2/80**
		Code identifying a party or other code		
		Store Number		
SDQ18	**380**	**Quantity**	**X**	**R 1/15**
		Numeric value of quantity		
		If SDQ02 = FA, this will be the BOH quantity If SDQ02 = ZZ, this will be the TIL quantity		
SDQ19	**67**	**Identification Code**	**X**	**AN 2/80**
		Code identifying a party or other code		
		Store Number		
SDQ20	**380**	**Quantity**	**X**	**R 1/15**
		Numeric value of quantity		
		If SDQ02 = FA, this will be the BOH quantity If SDQ02 = ZZ, this will be the TIL quantity		
SDQ21	**67**	**Identification Code**	**X**	**AN 2/80**

Code identifying a party or other code

| | | Store Number | | |

SDQ22   **380**   **Quantity**   **X**   **R 1/15**

Numeric value of quantity

If SDQ02 = FA, this will be the BOH quantity
If SDQ02 = ZZ, this will be the TIL quantity

SDQ23   **310**   **Location Identifier**   **O**   **AN 1/30**

Code which identifies a specific location

Store Number

Segment:	**CTT** Transaction Totals
Position:	010
Loop:	
Level:	Summary
Usage:	Optional
Max Use:	1
Purpose:	To transmit a hash total for a specific element in the transaction set
Syntax Notes:	1 If either CTT03 or CTT04 is present, then the other is required.
	2 If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	CTT01	354	**Number of Line Items**	M N0 1/6
			Total number of line items in the transaction set	

Segment: **SE** **Transaction Set Trailer**
Position: 020
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
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)
Syntax Notes:
Semantic Notes:
Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	SE01	96	**Number of Included Segments**	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
M	SE02	329	**Transaction Set Control Number**	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

846 – Inventory/Inquiry Advice Example v4010:

ISA*00* *00* *01*001786664 *ZZ*Vendor ID*091006*1057*U*00400*000000480*0*P*^~
GS*IB*001786664*Vendor ID*20091006*1057*34*X*004010~
ST*846*6524~
BIA*00*DD*Test*20090925~
REF*VR*10999~
N1*RL*CVS~
LIN**UI*00000999999~
SDQ*PC*FA*01489*0~
SDQ*PC*ZZ*01489*0~
CTT*1~
SE*9*6524~
ST*846*6525~
BIA*00*DD*Test*20090925~
REF*VR*12999~
N1*RL*CVS~
LIN**UI*09999999999~
SDQ*PC*FA*00003*1*00009*0*00021*1*00026*0*00040*0*00060*0*00074*1*00075*2*00104*2*00109*3~
SDQ*PC*FA*00111*1*00117*3*00123*0*00125*3*00127*3*00133*3*00144*2*00146*3*00147*2*00153*2~
SDQ*PC*FA*00190*1*00200*1*00204*2*00213*1*00214*1*00220*1*00223*0*00224*2*00227*2*00230*2~
SDQ*PC*FA*00232*2*00243*1*00252*1*00265*1*00271*1*00314*1*00316*1*00327*2*00348*0*00349*1~
SDQ*PC*FA*00350*1*00354*1*00357*2*00360*1*00366*1*00369*1*00371*2*00373*2*00382*2*00390*2~
SDQ*PC*FA*00409*2*00419*4*00428*2*00431*4*00444*4*00456*4*00461*2*00467*1*00471*0*00472*3~
SDQ*PC*FA*00477*1*00478*2*00479*2*00482*2*00488*2*00489*2*00490*1*00491*0*00493*1*00494*4~
SDQ*PC*FA*00496*4*00509*4*00518*1*00524*4*00526*4*00531*4*00541*3*00542*3*00547*1*00552*2~
SDQ*PC*FA*00563*1*00564*6*00575*2*00583*6*00588*6*00591*6*00595*2*00615*1*00616*2*00620*2~
SDQ*PC*FA*00625*2*00635*2*00642*1*00652*2*00656*2*00668*2*00678*1*00684*1*00688*1*00692*1~
SDQ*PC*FA*00696*3*00697*2*00708*1*00710*2*00711*2*00714*2*00719*2*00729*6*00730*2*00731*2~
SDQ*PC*FA*00738*3*00740*3*00742*3*00746*3*00750*3*00752*3*00765*2*00770*4*00777*2*00781*1~
SDQ*PC*FA*00783*2*00784*2*00785*3*00791*2*00798*2*00802*2*00808*3*00826*2*00843*2*00848*1~
SDQ*PC*ZZ*00003*2*00009*2*00021*2*00026*2*00040*2*00060*2*00074*2*00075*2*00104*2*00109*3~

SDQ*PC*ZZ*00111*2*00117*2*00123*2*00125*2*00127*2*00133*2*00144*3*00146*3*00147*2*00153*3~
SDQ*PC*ZZ*00190*2*00200*2*00204*2*00213*2*00214*2*00220*2*00223*2*00224*2*00227*2*00230*2~
SDQ*PC*ZZ*00232*2*00243*2*00252*2*00265*2*00271*2*00314*2*00316*2*00327*2*00348*3*00349*3~
SDQ*PC*ZZ*00350*2*00354*2*00357*2*00360*2*00366*2*00369*2*00371*2*00373*2*00382*2*00390*2~
SDQ*PC*ZZ*00409*3*00419*3*00428*2*00431*3*00444*3*00456*3*00461*2*00467*2*00471*3*00472*3~
SDQ*PC*ZZ*00477*2*00478*2*00479*4*00482*2*00488*2*00489*2*00490*2*00491*2*00493*2*00494*2~
SDQ*PC*ZZ*00496*4*00509*3*00518*2*00524*3*00526*3*00531*3*00541*3*00542*4*00547*2*00552*2~
SDQ*PC*ZZ*00563*2*00564*3*00575*2*00583*3*00588*3*00591*3*00595*2*00615*3*00616*3*00620*2~
SDQ*PC*ZZ*00625*2*00635*2*00642*3*00652*2*00656*2*00668*2*00678*2*00684*2*00688*2*00692*2~
SDQ*PC*ZZ*00696*2*00697*2*00708*2*00710*2*00711*2*00714*2*00719*2*00729*2*00730*2*00731*2~
SDQ*PC*ZZ*00738*2*00740*3*00742*2*00746*3*00750*3*00752*3*00765*2*00770*2*00777*2*00781*2~
SDQ*PC*ZZ*00783*3*00784*2*00785*2*00791*2*00798*2*00802*2*00808*3*00826*3*00843*2*00848*2~
CTT*1~
SE*33*6525~
GE*2*34~
IEA*1*000000480~