

Inventory/Inquiry Advice EDI Guideline

Version 4010

846 Inventory Inquiry/Advice Version 4010 Revised: February 2011

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.Seg.			Req.	Loop	Notes and
No.	ID	Name Des.		Max.Use Repeat	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	

Detail:

Pos.Seg.			Req.	Loop	Notes and
No.	ID	Name Des.		Max.Use Repeat	Comments
		LOOP ID – LIN		10000	
M 010	LIN	Item Identification	M	1	
030	PID	Product/Item Description	O	200	
110	CTP	Pricing Information	O	25	
		LOOP ID - QTY			99
320	QTY	Quantity	O	1	

Summary:

Pos.Seg.			Req.	Loop	Notes and
No.	ID	Name Des.		Max.Use Repeat	Comments
	010	CTT	O	1 200000	n1
M	020	SE	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:
 Notes:

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

functional group assigned by the originator for a transaction set

ST*846*0165~

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.	Data	Name	Attributes
	Des.	Element		
M	BIA01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original	M ID 2/2
M	BIA02	755	Report Type Code Code indicating the title or contents of a document, report or supporting item SI Seller Inventory Report	M ID 2/2
M	BIA03	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Contains current entry number (a sequential number assigned to each successive 846).	M AN 1/30
M	BIA04	373	Date Date expressed as CCYYMMDD	M DT 8/8

BIA*00*SI*164*20110305~

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.	Data	Name	Attributes
	Des.	Element		
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification IO Inbound-to or Outbound-from Party	M ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as Specified by the Reference Identification Qualifier	X AN 1/30

REF*IO*IQVC~

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.

Semantic Notes: 1 LIN01 is the line item identification

Comments: 1 See the Data Dictionary for a complete list of IDs.

2 LIN02 through LIN03 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.	Data	Name	Attributes
	Des.	Element		
	LIN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O AN 1/20
M	LIN02	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) VN Vendor's (Seller's) Item Number UP U.P.C. Consumer Package Code (1-5-5-1) SK Stock Keeping Unit (SKU)	M ID 2/2
M	LIN03	234	Product/Service ID Identifying number for a product or service	M AN 1/48
	LIN04	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to LIN02 for code values.	X ID 2/2
	LIN05	234	Product/Service ID Identifying number for a product or service	X AN 1/48
	LIN06	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to LIN02 for code values.	X ID 2/2
	LIN07	234	Product/Service ID Identifying number for a product or service	X AN 1/48

LIN*2*VN*LER0047*UP*765023800470*SK*515782~

Segment: CTP Pricing Information

Position: 110

Loop: LIN Mandatory

Level: Detail

Usage: Optional

Max Use: 25

Purpose: To specify pricing information

Syntax Notes: 1 If either CTP04 or CTP05 is present, then the other is required.

Semantic Notes:

Comments:

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
CTP01	687	Class of Trade Code Code indicating class of trade DI Distributor	O ID 2/2
CTP02	236	Price Identifier Code Code identifying pricing specification UCP Unit Cost Price	X ID 3/3
CTP03	212	Unit Price X R 1/17 Price per unit of product, service, commodity, etc.	

CTP*DI*UCP*15.245~

Segment: QTY Quantity

Position: 320

Loop: QTY Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify quantity information

Syntax Notes: 1 At least one of QTY02 or QTY04 is required.

2 Only one of QTY02 or QTY04 may be present.

Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.

Comments:

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
M	QTY01	673	Quantity Qualifier Code specifying the type of quantity 61 Remaining Authorized Quantity	M ID 2/2
	QTY02	380	Quantity	X R 1/15
M	C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each	M ID 2/2

QTY*61*37*EA~

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.	Data		
	Des.	Element	Name	Attributes
M	CTT01	354	Number of Line Items	M N0 1/6

Total number of line items in the transaction set

CTT*212~

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.	Data	Attributes
	Des.	Element Name	
M	SE01	96 Number of Included Segments	M NO 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	

SE*642*0165~