

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.

Notes:

Level 2 note:

The Boscov's EDI 846 guide outlines the specific business rules and functional requirements that apply to Boscov's.

Shipping information (Ship-to, Bill-to, Ship-from, Carrier/routing) will be communicated in the Heading unless it can vary from one PO line to the next, in which case it will be communicated in the Detail. This affects the DTM and TD5 segments and the N1 loop.

Boscov's - 846

MESSAGE PURPOSE AND BUSINESS RULES:

The Boscov's 846 conveys all information necessary to fulfill a drop ship order originating with this retailer.

DATA ELEMENT REQUIREMENTS AND USAGE:

The following User Attributes are employed in this document:

- M - Mandatory by the X12 standard.
- M/U - Must be used to meet the Boscov's requirements
- D - Dependent
- R - Recommended

Any element not marked with one of the above indicators indicates that Boscov's has the ability to include this information in the purchase order but does not guarantee that it will always be included. Your system needs to be able to handle these segments/elements correctly.

Heading:

Boscov's - 846 Attribute	Pos. Notes and No. ID	Seg. Name	Des.	Req. Max.Use	Loop Repeat	Comments
M	010 ST	Transaction Set Header	M	1		
M	020 BIA	Beginning Segment for Inventory Inquiry/Advice	M	1		
M/U	060 REF	Reference Identification	O	12		

Detail:

Boscov's - 846 Attribute	Pos. Notes and No. ID	Seg. Name	Des.	Req. Max.Use	Loop Repeat	Comments
		LOOP ID - LIN			10000	
M	010 LIN	Item Identification	M	1		
	100 DTM	Date/Time Reference	O	10		
	110 CTP	Pricing Information	O	25		
		LOOP ID - QTY			99	
M/U	320 QTY	Quantity	O	1		

Summary:

Boscov's - 846 Attribute	Pos. Notes and No. ID	Seg. Name	Des.	Req. Max.Use	Loop Repeat	Comments

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: Level 2 note

EXAMPLE: ST*846*0001

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
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 functional group assigned by the originator for a transaction set	M AN 4/9

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:

Notes: Level 2 note

EXAMPLE: BIA*00*SI*000000001*19990701

Data Element Summary

<u>User Attribute</u>	<u>Ref. Des.</u>	<u>Data Element Name</u>	<u>Attributes</u>
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	M AN 1/30
M	BIA04	373 Date Date expressed as CCYYMMDD	M DT 8/8

Segment: **REF** Reference Identification
Position: 060
Loop:
Level: Heading
Usage: Optional (Must Use)
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:
Notes: **Level 2 note**
EXAMPLE: REF*IO*BOSCOVS

Data Element Summary

<u>User Attribute</u>	<u>Ref. Des.</u>	<u>Data Element Name</u>	<u>Attributes</u>
M	REF01	128 Reference Identification Qualifier Code qualifying the Reference Identification IO Inbound-to or Outbound-from Party	M ID 2/3
M/U	REF02	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Level 2 note: Boscovs	X AN 1/30
	REF03	352 Description A free-form description to clarify the related data elements and their content	O AN 1/80

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.

Notes: **Level 2 note**
EXAMPLE: LIN*1*VN*123456*UP*099999999999*SK3459877

Data Element Summary

User Attribute	Ref. Des.	Data Element Name	Attributes
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	M ID 2/2
M	LIN03	234 Product/Service ID Identifying number for a product or service	M AN 1/48
M	LIN04	235 Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) UP U.P.C. Consumer Package Code (1-5-5-1)	M ID 2/2
M	LIN05	234 Product/Service ID Identifying number for a product or service	M AN 1/48
	LIN06	235 Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) SK Stock Keeping Unit (SKU)	X ID 2/2
	LIN07	234 Product/Service ID	O AN 1/48

Boscov's - 846

Segment: **DTM** Date/Time Reference

Position: 100

Loop: LIN Mandatory

Level: Detail

Usage: Optional

Max Use: 10

Purpose: To specify pertinent dates and times

- Syntax Notes:**
- 1 At least one of DTM02 DTM03 or DTM05 is required.
 - 2 If DTM04 is present, then DTM03 is required.
 - 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes: Level 2 note

EXAMPLE: DTM*036*19990705

Data Element Summary

User Attribute	Ref. Des.	Data Element Name	Attributes
	DTM01	374 Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		036 Expiration	
		Date coverage expires	
	DTM02	373 Date	X DT 8/8
		Date expressed as CCYYMMDD	

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.
 - 2 If CTP06 is present, then CTP07 is required.
 - 3 If CTP09 is present, then CTP02 is required.
 - 4 If CTP10 is present, then CTP02 is required.
 - 5 If CTP11 is present, then CTP03 is required.

Semantic Notes: 1 CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.

2 CTP08 is the rebate amount.

Comments: 1 See Figures Appendix for an example detailing the use of CTP03 and CTP04.

See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

Notes: **Level 2 note**

EXAMPLE: CTP**UCP*50.25

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
	CTP02	236	Price Identifier Code Code identifying pricing specification UCP Unit cost price	X ID 3/3
	CTP03	212	Unit Price Price per unit of product, service, commodity, etc.	X R 1/17

Segment: **QTY** Quantity
Position: 320
Loop: QTY Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
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:
Notes: Level 2 note

EXAMPLE: QTY*61*25

Data Element Summary				
User Attribute	Ref. Des.	Data Element	Name	Attributes
M	QTY01	673	Quantity Qualifier Code specifying the type of quantity 20 Unusable Quantity Level 2 note: indicates stock that is currently not available for sale 33 Quality Available for Sale (stock quantity) 61 Remaining Authorized Quantity Level 2 note: indicates stock that is dedicated to the merchant to whom the inventory is being reported	M ID 2/2
M/U	QTY02	380	Quantity Numeric value of quantity	X R 1/15

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.

Notes: **Level 2 note**

EXAMPLE: SE*8*0001

Data Element Summary

<u>User</u>	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Des.</u>	<u>Element Name</u>	
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	