856 Ship Notice/Manifest

Functional Group ID=SH

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Ship Notice/Manifest Transaction Set (856) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to list the contents of a shipment of goods as well as additional information relating to the shipment, such as order information, product description, physical characteristics, type of packaging, marking, carrier information, and configuration of goods within the transportation equipment. The transaction set enables the sender to describe the contents and configuration of a shipment in various levels of detail and provides an ordered flexibility to convey information. The sender of this transaction is the organization responsible for detailing and communicating the contents of a shipment, or shipments, to one or more receivers of the transaction set. The receiver of this transaction set can be any organization having an interest in the contents of a shipment or information about the contents of a shipment.

Notes:

The Boscov's EDI 856 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.

MESSAGE PURPOSE AND BUSINESS RULES:

The Boscov's 856 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:

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Attribute	Notes and No.	Pos. ID	Seg. Name	Des.	Req. Max Use	Repeat	Loop Comments
M	010	ST	Transaction Set Header	M	1		
M	020	BSN	Beginning Segment for Ship Notice	M	1		

Detail:

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Attribute	Notes and No.	Pos. ID	Seg. Name	Des.	Req. Max Use	Repeat	Loop Comments
			LOOP ID - 1000				
M	010	HL	Hierarchical Level - Shipment	M	1	1	c1
D	120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
D	200	DTM	Date/Time Reference	O	10		
			LOOP ID - 2000				
M	010	HL	Hierarchical Level - Order	M	1		
M/U	050	PRF	Purchase Order Reference	O	1		
			LOOP ID – 3000			200000	
M/U	010	HL	Hierarchical Level – Pack	O	1		
D	190	MAN	Marks and Numbers	O	>1		
			LOOP ID - 4000			200000	
D	010	HL	Hierarchical Level - Item	O	1		
M/U	020	LIN	Item Identification	O	1		
M/U	030	SN1	Item Detail (Shipment)	O	1		
	150	REF	Reference Identification	O	>1		

Summary:

Boscov's - 856 Attribute	Pos. Notes and No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat Comments
M	020	SE	Transaction Set Trailer	M	1	

Transaction Set Comments

1. The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.

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: EXAMPLE: ST*856*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 856 Ship Notice/Manifest	**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: **BSN** **Beginning Segment for Ship Notice**
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set
Syntax Notes: **1** If BSN07 is present, then BSN06 is required.
Semantic Notes: **1** BSN03 is the date the shipment transaction set is created.
2 BSN04 is the time the shipment transaction set is created.
3 BSN06 is limited to shipment related codes.
Comments: **1** BSN06 and BSN07 differentiate the functionality of use for the transaction set.
Notes: EXAMPLE: BSN*00*000000001*20031016*1211*0002

Data Element Summary

User Attribute	Ref. Des.	Data Element Name	Attributes
M	**BSN01**	**353 Transaction Set Purpose Code** Code identifying purpose of transaction set 00 Original	**M ID 2/2**
M	**BSN02**	**396 Shipment Identification** A unique control number assigned by the original shipper to identify a specific shipment	**M AN 2/30**
M	**BSN03**	**373 Date** Date expressed as CCYYMMDD	**M DT 8/8**
M	**BSN04**	**337 Time** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	**M TM 4/8**
M/U	**BSN05**	**1005 Hierarchical Structure Code** Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set 0001 Shipment, Order, Packaging, Item 0004 Shipment, Order, Item	**O ID 4/4**

Segment: **HL** **Hierarchical Level - Shipment**
Position: 010
Loop: 1000 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments
Syntax Notes:
Semantic Notes:
Comments:
1 The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
The HL segment defines a top-down/left-right ordered structure.
2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.
Notes: EXAMPLE: HL*1**S

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	**HL01**	**628**	**Hierarchical ID Number**	**M AN 1/12**
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
			1 Top Level of hierarchy	
M/U	**HL02**	**734**	**Hierarchical Parent ID Number**	**O AN 1/12**
			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	
M	**HL03**	**735**	**Hierarchical Level Code**	**M ID 1/2**
			Code defining the characteristic of a level in a hierarchical structure	
			S Shipment	

Segment: **TD5** **Carrier Details (Routing Sequence/Transit Time)**
Position: 120
Loop: 1000 Mandatory
Level: Detail
Usage: Optional (Dependent)
Max Use: 12
Purpose: To specify the carrier and sequence of routing and provide transit time information
* If any shipment activity is being reported as part of the 856 then a "B" qualified TD5 segment is required.
Syntax Notes: **1** At least one of TD502 TD504 TD505 TD506 or TD512 is required.
2 If TD502 is present, then TD503 is required.
3 If TD507 is present, then TD508 is required.
4 If TD510 is present, then TD511 is required.
5 If TD513 is present, then TD512 is required.
6 If TD514 is present, then TD513 is required.
7 If TD515 is present, then TD512 is required.
Semantic Notes: **1** TD515 is the country where the service is to be performed.
Comments: **1** When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.
Notes: EXAMPLE: TD5*B****FDX_HD

Data Element Summary

User Attribute	Ref. Des.	Data Element Name	Attributes
M/U	**TD501**	**133 Routing Sequence Code** Code describing the relationship of a carrier to a specific shipment movement B Origin/Delivery Carrier (Any Mode)	**O ID 1/2**
D	**TD505**	**387 Routing** Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	**X AN 1/35**

Segment: **DTM** **Date/Time Reference**
Position: 200
Loop: 1000 Mandatory
Level: Detail
Usage: Optional (Dependent)
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: EXAMPLE: DTM*011*20031015

Data Element Summary

User Attribute	Ref. Des.	Data Element Name	Attributes
M	**DTM01**	**374 Date/Time Qualifier** Code specifying type of date or time, or both date and time 011 Shipped	**M ID 3/3**
M/U	**DTM02**	**373 Date** Date expressed as CCYYMMDD	**X DT 8/8**

Segment: **HL** **Hierarchical Level - Order**
Position: 010
Loop: 2000 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments
Syntax Notes:
Semantic Notes:
Comments:
1 The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
The HL segment defines a top-down/left-right ordered structure.
2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.
Notes: EXAMPLE: HL*2*1*O

Data Element Summary

User Attribute	Ref. Des.	Data Element Name	Attributes
M	**HL01**	**628 Hierarchical ID Number** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	**M AN 1/12**
M/U	**HL02**	**734 Hierarchical Parent ID Number** Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	**O AN 1/12**
M	**HL03**	**735 Hierarchical Level Code** Code defining the characteristic of a level in a hierarchical structure O Order	**M ID 1/2**

Segment: **PRF** **Purchase Order Reference**
Position: 050
Loop: 2000 Mandatory
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To provide reference to a specific purchase order
Syntax Notes:
Semantic Notes: **1** PRF04 is the date assigned by the purchaser to purchase order.
Comments:
Notes: EXAMPLE: PRF*78965

Data Element Summary

User Attribute	Ref. Des.	Data Element Name	Attributes
M	**PRF01**	**324 Purchase Order Number** Identifying number for Purchase Order assigned by the orderer/purchaser *PO Number has up to 6-Digits (do not use leading zeros)*	**M AN 1/22**

Segment: **HL** **Hierarchical Level - Pack**
Position: 010
Loop: 3000 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments
* Pack level HL is required for reporting tracking number(s) when item level SN1_08 = "AC"
* Pack level HL is required only when reporting tracking number(s) when item level SN1_08 = "AC"
Syntax Notes:
Semantic Notes:
Comments:
1 The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
The HL segment defines a top-down/left-right ordered structure.
2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.
Notes: EXAMPLE: HL*3*2*P

* Pack level HL is required for reporting tracking number(s) when item level SN1_08 = "AC"

Data Element Summary

User Attribute	Ref. Des.	Data Name		Attributes
M	**HL01**	**628**	**Hierarchical ID Number** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	**M AN 1/12**
M/U	**HL02**	**734**	**Hierarchical Parent ID Number** Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	**O AN 1/12**
M	**HL03**	**735**	**Hierarchical Level Code** Code defining the characteristic of a level in a hierarchical structure P Pack	**M ID 1/2**

Segment: **MAN** **Marks and Numbers**
Position: 190
Loop: 3000 Optional (Must Use)
Level: Detail
Usage: Optional (Dependent)
Max Use: >1
Purpose: To indicate identifying marks and numbers for shipping containers
Syntax Notes: **1** If either MAN04 or MAN05 is present, then the other is required.
2 If MAN06 is present, then MAN05 is required.
Semantic Notes: **1** MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.
2 When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range.
3 When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.
Comments: **1** When MAN01 contains code "UC" (U.P.C. Shipping Container Code) and MAN05/MAN06 contain a range of ID numbers, MAN03 is not used. The reason for this is that the U.P.C. Shipping Container code is the same on every carton that is represented in the range in MAN05/MAN06.
2 MAN03 and/or MAN06 are only used when sending a range(s) of ID numbers. When both MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.
Notes: EXAMPLE: MAN*CP*IZ9999999999999912

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	**MAN01**	**88**	**Marks and Numbers Qualifier**	**M ID 1/2**
			Code specifying the application or source of Marks and Numbers (87)	
			CP Carrier-Assigned Package ID Number	
M	**MAN02**	**87**	**Marks and Numbers**	**M AN 1/48**
			Marks and numbers used to identify a shipment or parts of a shipment	
			Tracking Number IMPORTANT NOTE: enforces validation rules for UPS and FEDEX tracking numbers including check digit routines when applicable. Please insure that all tracking numbers you submit are correctly formatted. Any shipment confirmation message containing invalid tracking numbers will be rejected.	

Segment: **HL** **Hierarchical Level - Item**
Position: 010
Loop: 4000 Optional (Dependent)
Level: Detail
Usage: Optional (Dependent)
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments
Syntax Notes:
Semantic Notes:
Comments:
1 The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
The HL segment defines a top-down/left-right ordered structure.
2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.
Notes: EXAMPLE: HL*4*3*I

Data Element Summary

User Attribute	Ref. Des.	Data Element Name	Attributes
M	**HL01**	**628 Hierarchical ID Number**	**M AN 1/12**
		A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
M/U	**HL02**	**734 Hierarchical Parent ID Number**	**O AN 1/12**
		Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	
M	**HL03**	**735 Hierarchical Level Code**	**M ID 1/2**
		Code defining the characteristic of a level in a hierarchical structure	
		I Item	

Segment: **LIN** **Item Identification**
Position: 020
Loop: 4000 Optional (Dependent)
Level: Detail
Usage: Optional (Must Use)
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.
3 Vendors transmitting 856 documents to Boscov's in PRODUCTION prior to 5/1/2017, the LIN04 and LIN05 elements are optional.
Notes: EXAMPLE: LIN*1*VN*123456*UP*0999999999991

Data Element Summary

User Attribute	Ref. Des.	Data Element Name	Attributes
M/U	**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	**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** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) UP U.P.C. Consumer Package Code	**M ID 2/2**
M	**LIN05**	**234 Product/Service ID** **Description:** Identifying number for a product or service	**M AN 12/13**

Segment: **SN1** **Item Detail (Shipment)**
Position: 030
Loop: 4000 Optional (Dependent)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify line-item detail relative to shipment
* Only one of the SN1_02 or SN1_05 should be used in any given 'Item' HL.

Syntax Notes: **1** If either SN105 or SN106 is present, then the other is required.
Semantic Notes: **1** SN101 is the ship notice line-item identification.
Comments: **1** SN103 defines the unit of measurement for both SN102 and SN104.
Notes: EXAMPLE:

SHIPMENT: SN1**3*EA*****AC

CANCEL: SN1**0*EA**3*EA**ID

A 'ship' action is assumed if the SN1-08 code is omitted or not 'AC','ID'.

Data Element Summary

User Attribute	Ref. Des.	Data Element Name	Attributes
M	**SN102**	**382 Number of Units Shipped** Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	**M R 1/10**
M	**SN103**	**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**
D	**SN105**	**330 Quantity Ordered** Quantity ordered	**X R 1/15**
	SN106	**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	**X ID 2/2**
M/U	**SN108**	**668 Line Item Status Code** Code specifying the action taken by the seller on a line item requested by the buyer * Any code other than "AC" or those listed indicates shipment of the quantity specified in SN1_05, regardless of value in SN1-02 AC Item Accepted and Shipped ID Item Deleted Reason provided in "TD" qualified REF-02	**O ID 2/2**

Segment: **REF** **Reference Identification**
Position: 150
Loop: 4000 Optional (Dependent)
Level: Detail
Usage: Optional
Max Use: >1
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: EXAMPLE: REF*TD*bad_sku*this sku does not exist

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification TD Reason for Change	**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 Contact your Onboarding Specialist for the complete list of cancel codes.	**X AN 1/30**
	REF03	**352**	**Description** A free-form description to clarify the related data elements and their content Additional freeform description of cancellation	**X AN 1/80**

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: EXAMPLE: SE*11*0001

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	**SE01**	**96**	**Number of Included Segments** Total number of segments included in a transaction set including ST and SE segments	**M N0 1/10**
M	**SE02**	**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**