Belk Stores
856 Advance Ship Notice

X12/V4030/856: 856 Advance Ship Notice

Belk Technical Information for 856:

- All EDI Transmissions are through the Inovis network
- VICS 856, Version 4030
- VICS 997, Acknowledgment will be returned
- EDI Communications ID - 08 6123830200
- VAN - Inovis

Belk Guidelines for ASN Consolidation:

- EDI ASN Consolidation is Mandatory
- ASNs must be consolidated by the ship to DC location, and the Bill of Lading#
- Consolidated ASNs may contain multiple PO#s
- Each ship to DC's ASN should have a unique BOL# that matches the corresponding invoice BOL#
- All cartons and weights shipped on one day from one location to one of Belk's ship to DC locations must be combined on one master BOL#
- Use unique interchange numbers for each transmission as our system rejects duplicate numbers from the same sender/receiver ID

856 Ship Notice/Manifest

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:

Number of line items (CTT01) is the accumulation of the number of HL segments.   If used, hash total (CTT02) is the sum of the value of units shipped (SN102) for each SN1 segment.

Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
5	0100	ST	Transaction Set Header	M	1		
6	0200	BSN	Beginning Segment for Ship Notice	M	1		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - HL			200000	
7	0100	HL	Hierarchical Level - Shipment	M	1		c1
8	1100	TD1	Carrier Details (Quantity and Weight)	O	20		
9	1200	TD5	Carrier Details (Routing Sequence/Transit Time)	M	12		
10	1500	REF	Reference Identification	M	>1		
11	2000	DTM	Date/Time Reference	M	10		
			LOOP ID - N1			200	
12	2200	N1	Name	M	1		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - HL			200000	
13	0100	HL	Hierarchical Level - Order	M	1		n1
14	0500	PRF	Purchase Order Reference	M	1		
15	1500	REF	Reference Identification	M	>1		
			LOOP ID - N1			200	
16	2200	N1	Name	M	1		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - HL			200000	
17	0100	HL	Hierarchical Level - Pack	M	1		
18	1900	MAN	Marks and Numbers	M	>1		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - HL			200000	
19	0100	HL	Hierarchical Level - Item	M	1		
20	0200	LIN	Item Identification	M	1		
21	0300	SN1	Item Detail (Shipment)	M	1		

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
22	0100	CTT	Transaction Totals	M	1		
23	0200	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of the number of HL segments. If used, hash total (CTT02) is the sum of the value of units shipped (SN102) for each SN1 segment.

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:	0100
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the start of a transaction set and to assign a control number

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	ST01	143	**Transaction Set Identifier Code**	M	1	ID 3/3
			Code uniquely identifying a Transaction Set			
			856 Ship Notice/Manifest			
M	ST02	329	**Transaction Set Control Number**	M	1	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			

The number is sequentially assigned by the sender, starting with one within each functional group.   For each functional group, the first transaction set control number will be 0001 and incremented by one for each additional transaction set within the group.

Segment: **BSN** **Beginning Segment for Ship Notice**
Position: 0200
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	BSN01	353	**Transaction Set Purpose Code**	M	1	ID 2/2

Code identifying purpose of transaction set

    00   Original

M	BSN02	396	**Shipment Identification**	M	1	AN 2/30

A unique control number assigned by the original shipper to identify a specific shipment

M	BSN03	373	**Date**	M	1	DT 8/8

Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

M	BSN04	337	**Time**	M	1	TM 4/8

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	BSN05	1005	**Hierarchical Structure Code**	M	1	ID 4/4

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

Segment: # HL **Hierarchical Level - Shipment**
Position: 0100
Loop: HL   Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	HL01	628	**Hierarchical ID Number**	M	1	AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure			
			The value for this level (Shipment) is 1.			
	HL02	734	**Hierarchical Parent ID Number**	O	1	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	1	ID 1/2
			Code defining the characteristic of a level in a hierarchical structure			
			S Shipment			

Segment: **TD1** Carrier Details (Quantity and Weight)
Position: 1100
Loop: HL   Mandatory
Level: Detail
Usage: Optional
Max Use: 20
Purpose: To specify the transportation details relative to commodity, weight, and quantity

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
TD101	**103**	**Packaging Code**	O	1	AN 3/5

Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required

Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required

	CTN25	Corrugated or Solid
	25	Corrugated or Solid
	31	Fibre
	71	Not Otherwise Specified
	76	Paper

Ref. Des.	Data Element	Name	Attributes		
TD102	**80**	**Lading Quantity**	X	1	N0 1/7

Number of units (pieces) of the lading commodity

The number of packages in the shipment.

TD106	**187**	**Weight Qualifier**	O	1	ID 1/2

Code defining the type of weight

	G	Gross Weight

TD107	**81**	**Weight**	X	1	R 1/10

Numeric value of weight

TD108	**355**	**Unit or Basis for Measurement Code**	X	1	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

See Section III for code list.

	LB	Pound

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)
Position: 1200
Loop: HL   Mandatory
Level: Detail
Usage: Mandatory
Max Use: 12
Purpose: To specify the carrier and sequence of routing and provide transit time information

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	TD502	66	**Identification Code Qualifier**	M	1	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)			
			2 Standard Carrier Alpha Code (SCAC)			
M	TD503	67	**Identification Code**	M	1	AN 2/80
			Code identifying a party or other code			

Segment: # REF Reference Identification

Position: 1500
Loop: HL   Mandatory
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: To specify identifying information

Data Element Summary

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

Segment: # DTM **Date/Time Reference**
Position: 2000
Loop: HL   Mandatory
Level: Detail
Usage: Mandatory
Max Use: 10
Purpose: To specify pertinent dates and times

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	DTM01	374	**Date/Time Qualifier**	M	1	ID 3/3
			Code specifying type of date or time, or both date and time			
			011 Shipped			
M	DTM02	373	**Date**	M	1	DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			

Segment: # N1 Name
Position: 2200
    Loop: N1   Mandatory
    Level: Detail
    Usage: Mandatory
Max Use: 1
  Purpose: To identify a party by type of organization, name, and code

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
M	**N101**	**98**	**Entity Identifier Code**	**M**	**1 ID 2/3**

Code identifying an organizational entity, a physical location, property or an individual

SF	Ship From	
	Vendor	
ST	Ship To	
	DC Location	

	N103	**66**	**Identification Code Qualifier**	**X**	**1 ID 1/2**

Code designating the system/method of code structure used for Identification Code (67)

1	D-U-N-S Number, Dun & Bradstreet
92	Assigned by Buyer or Buyer's Agent

	N104	**67**	**Identification Code**	**X**	**1 AN 2/80**

Code identifying a party or other code

Belk's four digit DC number (0737, 0744, 0745), Vendor D-U-N-S number

Segment: **HL** **Hierarchical Level - Order**
Position: 0100
Loop: HL   Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
M	HL01	**628**	**Hierarchical ID Number**	M 1 AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
M	HL02	**734**	**Hierarchical Parent ID Number**	M 1 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 1 ID 1/2
			Code defining the characteristic of a level in a hierarchical structure	
			O Order	

Segment: **PRF** Purchase Order Reference
Position: 0500
Loop: HL   Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To provide reference to a specific purchase order

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
M PRF01	324	**Purchase Order Number**	M 1 AN 1/22
		Identifying number for Purchase Order assigned by the orderer/purchaser	

Segment: **REF** Reference Identification
Position: 1500
Loop: HL   Mandatory
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: To specify identifying information

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	REF01	128	**Reference Identification Qualifier**	M	1	ID 2/3
			Code qualifying the Reference Identification			
			DP Department Number			
			Department Number is Mandatory			
			IV Seller's Invoice Number			
			Seller's Invoice Number is Not Required			
	REF02	127	**Reference Identification**	X	1	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			

Segment: # N1 Name
Position: 2200
    Loop: N1   Mandatory
    Level: Detail
    Usage: Mandatory
Max Use: 1
    Purpose: To identify a party by type of organization, name, and code

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	N101	98	**Entity Identifier Code**	M	1	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual			
			BY Buying Party (Purchaser)			
	N102	93	**Name**	O	1	AN 1/60
			Free-form name			
	N103	66	**Identification Code Qualifier**	X	1	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)			
			92 Assigned by Buyer or Buyer's Agent			
	N104	67	**Identification Code**	X	1	AN 2/80
			Code identifying a party or other code			
			Belk requires our four digit store number			

Segment: **HL** **Hierarchical Level - Pack**
Position: 0100
Loop: HL   Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Data Element Summary

	Ref. Des.	Data Element	Name			Attributes
M	HL01	628	**Hierarchical ID Number**	M	1	AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure			
M	HL02	734	**Hierarchical Parent ID Number**	M	1	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	1	ID 1/2
			Code defining the characteristic of a level in a hierarchical structure			
			P Pack			

Segment: # MAN Marks and Numbers
Position: 1900
Loop: HL   Mandatory
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: To indicate identifying marks and numbers for shipping containers
Notes: The MAN02 must be 20 digits

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	MAN01	88	**Marks and Numbers Qualifier**	M	1	ID 1/2
			Code specifying the application or source of Marks and Numbers (87)			
			GM SSCC-18 and Application Identifier			
M	MAN02	87	**Marks and Numbers**	M	1	AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment			

Segment: **HL** **Hierarchical Level - Item**
Position: 0100
Loop: HL   Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	HL01	628	**Hierarchical ID Number**	M	1	AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure			
M	HL02	734	**Hierarchical Parent ID Number**	M	1	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	1	ID 1/2
			Code defining the characteristic of a level in a hierarchical structure			
			I Item			

Segment: # LIN Item Identification

Position: 0200
Loop: HL   Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify basic item identification data

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	LIN02	235	**Product/Service ID Qualifier**	M	1	ID 2/2	

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

EN	European Article Number (EAN) (2-5-5-1)

Data structure for the 13 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)

UP	U.P.C. Consumer Package Code (1-5-5-1)

Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN).   Also known as the Universal Product Code (U.P.C.)

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

Identifying number for a product or service

Segment: **SN1** Item Detail (Shipment)
Position: 0300
Loop: HL   Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify line-item detail relative to shipment

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
	SN101	350	**Assigned Identification**	O	1	AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set			
M	SN102	382	**Number of Units Shipped**	M	1	R 1/10
			Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set.			
			Units must be in whole numbers.			
M	SN103	355	**Unit or Basis for Measurement Code**	M	1	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			See Section III for complete code list.			
		AS	Assortment			
		EA	Each			

Segment: **CTT** Transaction Totals
Position: 0100
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set

Data Element Summary

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

Total number of line items in the transaction set

The total number of HL segments present in the transaction set.

Segment: **SE** **Transaction Set Trailer**
Position: 0200
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)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	SE01	96	**Number of Included Segments**	M	1	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	1	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			
			This must be the same number as in the ST segment (ST02) for the transaction set.			

Sample Data – 856 (Eaches)

```
ISA*00* *00* *ql*Sender ID *08*6123830200*131107*1705*U*00403*000000254*0*P*>~
GS*SH*Sender ID*6123830200*20131107*1705*254*X*004030VICS~
ST*856*2540001~
BSN*00*0883470001*20131106*1030*0001~
HL*1**S~
TD1*CTN25*3****G*139*LB~
TD5**2*RDWY~
REF*BM*6087000566~
DTM*011*20131106~
N1*SF**1*689321457~
N1*ST**92*0737~
HL*2*1*O~
PRF*5053697~
REF*DP*0427~
REF*IV*1547664~
N1*BY**92*0001~
HL*3*2*P~
MAN*GM*00000701350244079969~
HL*4*3*I~
LIN**UP*041568465222~
SN1**9*EA~
HL*5*3*I~
LIN**UP*041568465260~
SN1**9*EA~
HL*6*1*O~
PRF*5053697~
REF*DP*0427~
REF*IV*1547665~
N1*BY**92*0006~
HL*7*6*P~
MAN*GM*00000701350244072786~
HL*8*7*I~
LIN**UP*041568465062~
SN1**9*EA~
HL*9*7*I~
LIN**UP*041568465222~
SN1**9*EA~
HL*10*7*I~
LIN**UP*041568465260~
SN1**9*EA~
HL*11*1*O~
PRF*5053697~
```

REF*DP*0427~
REF*IV*1547666~
N1*BY**92*0008~
HL*12*11*P~
MAN*GM*00000701350244072755~
HL*13*12*I~
LIN**UP*041568465062~
SN1**9*EA~
CTT*13~
SE*48*2540001~
GE*5*254~ IEA*1*000000254~

Sample Data – 856 (Pack)

ISA*00* *00* *ql*Sender ID *08*6123830200*131107*1705*U*00403*000000238*0*P*>~
GS*SH*Sender ID*6123830200*20131107*1705*254*X*004030VICS~
ST*856*2540001~
BSN*00*0883470001*20131106*1030*0001~
HL*1**S~
TD1*CTN25*3****G*214*LB~
TD5**2*RDWY~
REF*BM*6087000321~
DTM*011*20131106~
N1*SF*ABCCOMPANY*1*689321457~
N1*ST**92*0744~
HL*2*1*O~
PRF*5038695~
REF*DP*0427~
REF*IV*1547664~
N1*BY**92*0124~
HL*3*2*P~
MAN*GM*00000701350244079969~
HL*4*3*I~
LIN**UP*041568464314~
SN1**1*AS~
HL*5*3*I~
LIN**UP*041568462687~
SN1**1*AS~
HL*6*1*O~
PRF*50538695~
REF*DP*0427~
REF*IV*1547665~
N1*BY**92*0253~
HL*7*6*P~
MAN*GM*00000701350244072786~
HL*8*7*I~

LIN**UP*041568464314~
SN1**1*AS~
HL*9*7*I~
LIN**UP*041568462687~
SN1**9*EA~
HL*10*7*I~
LIN**UP*041568464314~
SN1**1*AS~
HL*11*1*O~
PRF*5038695~
REF*DP*0427~
REF*IV*1547666~
N1*BY**92*0351~
HL*12*11*P~
MAN*GM*00000701350244072755~
HL*13*12*I~
LIN**UP*041568462687~
SN1**1*AS~
CTT*13~
SE*48*2540001~
GE*5*254~
IEA*100000254~