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:

- ASN Consolidation is Mandatory
- ASNs must be consolidated by the Bill of Lading#
- 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 Bill of Lading#
- Each ASN should have a unique Bill of Lading#
- Consolidated ASNs should contain multiple PO#s, if multiple PO#s were shipped on one master Bill of Lading#
- Use unique interchange numbers for each transmission as our system rejects duplicate numbers from the same sender/receiver ID

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:

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** Code uniquely identifying a Transaction Set 856 Ship Notice/Manifest	**M**	**1**	**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 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.	**M**	**1**	**AN 4/9**

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** Code identifying purpose of transaction set 00 Original	**M 1 ID 2/2**
M	**BSN02**	**396**	**Shipment Identification** A unique control number assigned by the original shipper to identify a specific shipment	**M 1 AN 2/30**
M	**BSN03**	**373**	**Date** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	**M 1 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 1 TM 4/8**
M	**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	**M 1 ID 4/4**

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** 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.	**M**	**1**	**AN 1/12**
	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**	**1**	**AN 1/12**
M	**HL03**	**735**	**Hierarchical Level Code** Code defining the characteristic of a level in a hierarchical structure S Shipment	**M**	**1**	**ID 1/2**

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			
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** Code designating the system/method of code structure used for Identification Code (67) 2 Standard Carrier Alpha Code (SCAC)	**M**	**1**	**ID 1/2**
M	**TD503**	**67**	**Identification Code** Code identifying a party or other code	**M**	**1**	**AN 2/80**

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** Code qualifying the Reference Identification BM Bill of Lading Number	**M**	**1**	**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**	**1**	**AN 1/30**

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** Code specifying type of date or time, or both date and time 011 Shipped	**M**	**1**	**ID 3/3**
M	**DTM02**	**373**	**Date** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	**M**	**1**	**DT 8/8**

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** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	**M**	**1**	**AN 1/12**
M	**HL02**	**734**	**Hierarchical Parent ID Number** Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	**M**	**1**	**AN 1/12**
M	**HL03**	**735**	**Hierarchical Level Code** Code defining the characteristic of a level in a hierarchical structure O Order	**M**	**1**	**ID 1/2**

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** Identifying number for Purchase Order assigned by the orderer/purchaser	**M**	**1**	**AN 1/22**

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

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

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** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	**M 1 AN 1/12**
M	**HL02**	**734**	**Hierarchical Parent ID Number** Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	**M 1 AN 1/12**
M	**HL03**	**735**	**Hierarchical Level Code** Code defining the characteristic of a level in a hierarchical structure P Pack	**M 1 ID 1/2**

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** Code specifying the application or source of Marks and Numbers (87) GM SSCC-18 and Application Identifier	**M**	**1**	**ID 1/2**
M	**MAN02**	**87**	**Marks and Numbers** Marks and numbers used to identify a shipment or parts of a shipment	**M**	**1**	**AN 1/48**

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** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	**M**	**1**	**AN 1/12**
M	**HL02**	**734**	**Hierarchical Parent ID Number** Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	**M**	**1**	**AN 1/12**
M	**HL03**	**735**	**Hierarchical Level Code** Code defining the characteristic of a level in a hierarchical structure I Item	**M**	**1**	**ID 1/2**

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** 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.)	**M**	**1**	**ID 2/2**
M	**LIN03**	**234**	**Product/Service ID** Identifying number for a product or service	**M**	**1**	**AN 1/48**

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** Alphanumeric characters assigned for differentiation within a transaction set	**O**	**1**	**AN 1/20**
M	**SN102**	**382**	**Number of Units Shipped** Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set. Units must be in whole numbers.	**M**	**1**	**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 See Section III for complete code list. AS Assortment EA Each	**M**	**1**	**ID 2/2**

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** Total number of line items in the transaction set The total number of HL segments present in the transaction set.	**M**	**1 N0 1/6**

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** Total number of segments included in a transaction set including ST and SE segments	**M**	**1**	**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 This must be the same number as in the ST segment (ST02) for the transaction set.	**M**	**1**	**AN 4/9**

ASN Sample Data:

Sample Data – 856 (Eaches)

ISA*00* *00* *ql*Sender ID *08*6123830000*170507*1705*U*00403*000000254*0*P*>~
GS*SH*Sender ID*6123830000*20170507*1705*254*X*004030VICS~
ST*856*2540001~
BSN*00*0883470001*20170507*1030*0001~
HL*1**S~
TD1*CTN25*3****G*139*LB~
TD5**2*RDWY~
REF*BM*6087000566~
DTM*011*20170507~
N1*SF**1*689321457~
N1*ST**92*0737~
HL*2*1*O~
PRF*5053697~
REF*DP*0427~
REF*IV*1547664~
N1*BY**92*0888~
HL*3*2*P~
MAN*GM*00000701350244079969~
HL*4*3*I~
LIN**UP*041568465222~
SN1**10*EA~
HL*5*1*O~
PRF*6059997~
REF*DP*0427~
REF*IV*1547665~
N1*BY**92*0888~
HL*6*5*P~
MAN*GM*00000701350244072786~
HL*7*6*I~
LIN**UP*041568465062~
SN1**75*EA~
CTT*7~
SE*31*2540001~
GE*5*254~
IEA*1*000000254~

Sample Data – 856 (Pack)

ISA*00* *00* *ql*Sender ID *08*6123830000*170507*1705*U*00403*000000238*0*P*>~
GS*SH*Sender ID*6123830000*20170507*1705*254*X*004030VICS~
ST*856*2540001~
BSN*00*0883470001*20170507*1030*0001~
HL*1**S~
TD1*CTN25*3****G*214*LB~
TD5**2*RDWY~
REF*BM*6087000321~
DTM*011*20170507~
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**2*AS~
HL*6*1*O~
PRF*6023457~
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*041568464314~
SN1**2*AS~
CTT*9~
SE*37*2540001~
GE*5*254~
IEA*000000238~