

ANSI X12 Advance Ship Notice (856) Transaction Set Version 004010

Alternative Standard Carton Pack Structure - Short ASN

Revised: 8/17/98

This standard provides the format and establishes the data content of an Advance Ship Notice (856) transaction set. An Advance Ship Notice transaction set lists 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 a supplier to describe the contents and configuration of a shipment in various levels of detail and provides an ordered flexibility to convey information. The following pages will cover the segments and elements necessary to send an EDI Advance Ship Notice to KB toys.

Segment Summary

Header Area

Segment ID	Segment Name
ST	Start of Advance Ship Notice Transaction Set
BSN	ASN Number, Date, Time, and Hierarchical Structure Code

Detail Area

Shipment Level	Segment Name
HL	Start of Shipment Level
TD1	Transportation Packaging, Weight, and Total Cartons
TD5	Carrier and Transit Time
REF	Bill of Lading Number
REF	Carrier Reference Number (PRO Number)
DTM	Supplier's Ship Date
DTM	Supplier's Estimated Shipment Arrival Date
FOB	Shipment Method of Payment
N1 -----+	Ship-to Distribution Center or Store Number
N1 -----+	Ship-from Vendor Name
N4 -----+	City, State, Zip Code, and Country of Origin

Order Level	Segment Name
HL	Start of Order Level
PRF	Purchase Order Number
REF	Ship-from Vendor Number

Item Level	Segment Name
HL	Start of Item Level
LIN -----+	KB toys SKU Number and UPC Code
SN1	SKU Quantity Shipped and Original Order Quantity
PO4	Number of Inner Packs, Quantity in Each Inner Pack
TD1	Transportation Packaging and Total Cartons
TD5 -----+	Shipment/Order Status Code

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Summary Area

Segment ID	Segment Name
CTT	Transaction Totals
SE	Transaction Set Trailer

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Header Segments

Segment ID/EI	Ref#	Name	ANSI X12	KB toys	Comments
ST		Transaction Set Header	M	M	
ST01	143	Transaction Set Id	M ID 03/03		'856'
ST02	329	Transaction Set Ctl. No.	M AN 04/09		Sequential Control Number
BSN		Beginning Segment	M	M	
BSN01	353	Transaction Set Purpose	M ID 02/02	M	'00' Original
BSN02	396	Shipment Identification	M AN 02/30	M AN	07/25 Ship Notice Number
BSN03	373	Ship Notice Date	M DT 08/08	M	
BSN04	337	Ship Notice Time	M TM 04/08	M TM	04/04
BSN05	1005	Hierarchical Structure Code	O ID 04/04	M	'0004' Shipment, Order, Item

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Detail Segments - Shipment Level

Segment ID/EI	Ref#	Name	ANSI X12	KB toys	Comments
HL		Hierarchical Level	M	M	
HL01	628	Hierarchical ID Number	M AN 01/12	M	Shipment level is '1'
HL03	735	Hierarchical Level Code	M ID 01/02	M	'S' Shipment
TD1		Carrier Details	O	M	
TD101	103	Packaging Code	O AN 03/05	M	'CTN25' Corrugated Carton
TD102	80	Lading Quantity	C NO 01/07	M	Total cartons in TD101
TD106	187	Weight Qualifier	O ID 01/02	M	'G' Gross Weight
TD107	81	Weight	C R 01/10	M	
TD108	355	Unit of Measure Code	C ID 02/02	M	'LB' Pounds
TD5		Carrier Details	O	M	
TD502	66	Identification Code Qualifier	C ID 01/02	M	'2' Standard Carrier Alpha Code
TD503	67	Identification Code	C AN 02/80	M AN	02/04 SCAC Code
TD504	91	Transportation Method/ Type Code	C ID 01/02	M ID	01/01 'A' Air 'L' Contract Carrier 'S' Ocean
TD510	732	Transit Time Direction Qual	O ID 02/02	O	'CD' Calendar Days 'HO' Hours
TD511	733	Transit Time	C R 01/04	C	
REF		Reference Numbers	O	M	
REF01	128	Ref. No. Qualifier	M ID 02/03	M ID	02/02 'BM' Bill of Lading
REF02	127	Reference Number	C AN 01/30	M AN	01/15
REF		Reference Numbers	O	M	
REF01	128	Ref. No. Qualifier	M ID 02/03	M ID	02/02 'CN' Carrier's Number (PRO Number)
REF02	127	Reference Number	C AN 01/30	M AN	01/15
DTM		Date/Time Ref.	O	M	
DTM01	374	Date Time Qualifier	M ID 03/03	M	'011' Date Shipped
DTM02	373	Date	C DT 08/08	M	
DTM03	337	Time	C TM 04/08	O TM	04/04

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Detail Segments - Shipment Level (continued)

Segment ID/EI	Ref#	Name	ANSI X12	KB toys	Comments
DTM		Date/Time Ref.	O	O	
DTM01	374	Date Time Qualifier	M ID 03/03	M	'067' Current Schedule Delivery
DTM02	373	Date	C DT 08/08	M	
FOB		F.O.B. Related Instructions	O	M	
FOB01	146	Shipment Meth. of Payment	M ID 02/02	M	'CC' Collect 'CF' Collect, Freight Credited Back to Customer 'PC' Prepaid but Charged to Customer 'PP' Prepaid (by Seller)
N1	Name		O	M	
N101	98	Entity ID Code	M ID 02/03	M ID	02/02 'ST' Ship To
N102	93	Name	C AN 01/60	O	KB toys DC Location
N103	66	ID Code Qual	C ID 01/02	M	'92' Assigned by Buyer
N104	67	ID Code	C AN 02/80	M NO	04/04 KB toys DC Number
the Implementation					(See Section 10.1.1 of KB toys Guide)
N1	Name		O	M	
N101	98	Entity ID Code	M ID 02/03	M ID	02/02 'SF' Ship From
N102	93	Name	C AN 01/60	M	Vendor Name
N4	Geographic Location		O	M	
N401	19	City Name	C AN 02/30	M AN	02/19 Ship From City Name
N402	156	State or Prov. Code	O ID 02/02	M	Ship From State
N403	116	Postal Code	O ID 03/15	M ID	04/09 Ship From Zip Code
N404	26	Country Code	O ID 02/03	O ID02/02	Ship From Country Code

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Detail Segments - Order Level

Segment ID/EI	Ref#	Name	ANSI X12	KB toys	Comments
HL		Hierarchical Level	M	M	
HL01	628	Hierarchical ID Number	M AN 01/12	M	See Note
HL02	734	Hierarchical Parent ID No.	O ID 01/12	M	See Note
HL03	735	Hierarchical Level Code	M ID 01/02	M	'O' Order

HL01 - The value assigned to the first HL segment (Shipment level) will be "1", and is incremented by one for each subsequent HL segment within the transaction set.

HL02 - Identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate (child of).

PRF		Purchase Order Reference	O	M	
PRF01	324	Purchase Order Number	M AN 01/22	M AN	07/07

REF		Reference Numbers	O	M	
REF01	128	Ref. No. Qualifier	M ID 02/03	M ID	02/02 'IA' Internal Vendor Number
REF02	127	Reference Number Vendor No.	C AN 01/30	M AN	04/04 KB toys Internal
					(See Section 10.1.3 of the KB toys Implementation Guide)

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Detail Segments - Item Level

Segment ID/EI	Ref#	Name	ANSI X12	KB toys	Comments
HL		Hierarchical Level	M	M	
HL01	628	Hierarchical ID Number	M AN 01/12	M	See Note
HL02	734	Hierarchical Parent ID No.	O ID 01/12	M	See Note
HL03	735	Hierarchical Level Code	M ID 01/02	M	'I' Item

HL01 - The value assigned to the first HL segment (Shipment level) will be "1", and is incremented by one for each subsequent HL segment within the transaction set.

HL02 - Identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate (child of).

LIN		Item Identification	O	M	
LIN01	350	Assigned Identification	O AN 01/20	O AN	04/04 Original Purchase
					Line Item Number
LIN02	235	Product ID Qualifier	M ID 02/02	M	'CB' Buyer's Catalog No.
LIN03	234	Product ID	M AN 01/48	M NO	10/10
LIN04	235	Product ID Qualifier	C ID 02/02	O	'UP' Universal Product Code (UPC)
LIN05	234	Product ID	C AN 01/48	O AN	1/12

SN1		Item Detail	O	M	
SN102	382	Number of Units Shipped	M R 01/10	M R 01/09	Number of Units Shipped
SN103	355	Unit of Measure Code	M ID 02/02	M	'PC' Pieces
					'EA' Each
SN105	330	Quantity Ordered	C R 01/15	C R 01/09	Original PO Order Quantity
SN106	355	Unit of Measure Code	C ID 02/02	C	'PC' Pieces
					'EA' Each

SN106 - value required if Original Order Quantity (SN105) is sent.

PO4		Item Physical Details	O	M	
PO401	356	Pack	O NO 01/06	M	Number of Inner Packs
PO402	357	Size	C R 01/08	M	SKU Quantity in the Inner Pack
PO403	355	Unit of Measure Code	C ID 02/02	M	'PC' Pieces
					'EA' Each

TD1		Carrier Details	O	M	
TD101	103	Packaging Code	O AN 03/05	M	'CTN25' Corrugated Carton
TD102	80	Lading Quantity	C NO 01/07	M	Total cartons in TD101 for the Item

NOTE: The TD1 will reflect how many cartons are present for each item.

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Detail Segments - Item Level (continued)

Segment ID/EI	Ref#	Name	ANSI X12	KB toys	Comments
TD5		Carrier Details	O	O	
TD506	368	Order Status Code	C ID 02/02	M	'BK' Back Order from Previous Order 'BP' Shipment Partial, Back Order to Follow 'CC' Shipment Complete 'CM' Shipment Complete with Additional Quantity 'CP' Partial Shipment, No Backorder 'CS' Shipment Complete with Substitution 'DE' Deleted Order 'IC' Item Canceled 'IS' Substitution from Original Order 'PR' Partial Shipment 'SS' Split Shipment

NOTE: Only one occurrence of the TD5 should be sent per item.

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Summary Segments

Segment ID/EI	Ref#	Name	ANSI X12	KB toys	Comments
CTT		Transaction Totals	O	M	
CTT01	354	Number of Line Items	M N0 01/06	M	Number of HL Segments in the 856 transaction
SE		Transaction Set Trailer	M	M	
SE01	96	Number of Included Segments	M N0 01/10	M	Number of Segments in the 856 transaction
SE02	329	Transaction Set Control No.	M AN 04/09	M	Control Number from ST02

**ANSI X12
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X12 Example**

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NOTE: The asterisk (*) is used in the examples to enhance the segment readability. The asterisk should not be sent in test or production transmissions to KB toys.

ST*856*000000001;
BSN*00*1234567*19980801*1640*0004;
HL*1**S;
TD1*CTN25*24****G*1200*LB;
TD5**2*RDWY*L*****CD*5;
REF*BM*5566778899;
REF*CN*052-243185;
DTM*011*19980731*1610;
DTM*067*19980805;
FOB*PP;
N1*ST*BERKSHIRE #991*92*0991;
N1*SF*SUPPLIER INC.;
N4*ANYTOWN*ST*99999*US;
HL*2*1*O;
PRF*402484A;
REF*IA*9999;
HL*3*2*I;
LIN*1*CB*9999941921*UP*12222333331;
SN1**80*PC**80*PC;
PO4*5*4*PC;
TD1*CTN25*4;
TD5*****CC;
HL*4*2*I;
LIN*2*CB*9999941922*UP*12222444441;
SN1**120*PC**200*PC;
PO4*1*6*PC;
TD1*CTN25*20;
TD5*****BP;
CTT*10;
SE*45*000000001;

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Paper Example

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Header Area

ASN Number	:	1234567
ASN Date	:	08/01/1998
ASN Time	:	16:40
Hierarchical Structure Code	:	Alternative Standard Carton Pack - Short ASN

Detail Area - Shipment Level

Shipment Type	:	Motor Carrier
Carrier	:	Roadway Express
Carrier SCAC Code	:	RDWY
Transit Time	:	5 Calendar Days
Bill of Lading Number	:	5566778899
Carrier PRO Number	:	052-243185
Carrier Shipment Details	:	24 Cartons
	:	1200 Lbs. Gross
Date Shipped:	:	07/31/1998
Time Shipped:	:	16:10
Estimated Shipment Arrival Date:	:	08/05/1998
F.O.B. Instructions	:	Prepaid by Seller
Ship To	:	Berkshire #991
Ship From	:	Supplier Inc.
	:	Anytown, ST 99999 US

Order Level

Purchase Order Number	:	402484A
KB Internal Vendor Number	:	9999

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Paper Example (cont.)

Item Level

Original PO Line Item Number	:	1
KB Stock Number	:	9999941921
UPC Code	:	12222333331
Number of Units Shipped	:	80 Pieces
Original PO Order Quantity	:	80 Pieces
Number of Inner Packs per Carton	:	5
Quantity per Inner Pack	:	4 Pieces
Total Cartons	:	4
Order Status Code	:	Shipment Complete for This Item

Item Level

Original PO Line Item Number	:	2
KB Stock Number	:	9999941922
UPC Code	:	12222444441
Number of Units Shipped	:	120 Pieces
Original PO Order Quantity	:	200 Pieces
Number of Inner Packs per Carton	:	1 (no inners)
Quantity per Inner Pack	:	6 Pieces
Total Cartons	:	20
Order Status Code	:	Partial Shipment, Remainder Back Ordered